Report of the Intersessional Meeting of Small Tunas Species Group
(*Hybrid/Olhão, Portugal, 26-28 May 2025)*

The results, conclusions and recommendations contained in this report only reflect the view of the Small Tunas Species Group (SMT SG). Therefore, these should be considered preliminary until the SCRS adopts them at its annual Plenary meeting and the Commission revises them at its annual meeting. Accordingly, ICCAT reserves the right to comment, object and endorse this report, until it is finally adopted by the Commission.

1. Opening, adoption of agenda, meeting arrangements and assignment of rapporteurs

The Small Tunas Species Group Rapporteur and the SCRS Vice Chair opened the meeting and welcomed the participants (the Subcommittee). The Assistant Executive Secretary also welcomed the participants and wished them a successful meeting. The Chair then proceeded to review the agenda, which was adopted with a few changes (**Appendix 1**). The list of participants is in **Appendix 2**. The list of documents presented at the meeting is included in **Appendix 3**. Summaries of the documents and presentations are available in **Appendix 4**.

Rapporteurs were assigned as follows:

Section	*Name*
1	N.G. Taylor
2	C. Mayor, J. García
3.1	R. Lechuga
3.2	D. Angueko, G. Hajjej
3.3	J. Viñas
3.4	M. Narváez-Ruiz
4	T. Frédou, L.G. Cardoso
5	F. Frédou, C. Diaha, L.G. Cardoso
6	C. Diaha, L. Gustavo; M. Neves dos Santos
7.1	C. Diaha
7.2	M. Neves dos Santos
7.3	T. Frédou, N.G. Taylor
8	M. Neves dos Santos

2. Review of fisheries statistics

The Group reviewed the most recent fisheries statistics and biological data available in the ICCAT database system (ICCAT-DB) for the main small tuna species (**Table 1**), including Task 1 (T1NC: Nominal Catches) and Task 2 data (T2CE: Catch and Effort, T2SZ: Size Frequency Samples, T2CS: Catch-at-Size Estimations). The SCRS catalogues on Task 1 and Task 2 data availability for small tuna species for the period 1994 to 2023 are presented in **Appendix 5**. The most up to date conventional tagging information of small tuna species was also reviewed by the Group.

The ICCAT Secretariat presented documents SCRS/P/2025/044 and SCRS/P/2025/045, which provide consolidated overviews of the above datasets (Task 1/Task 2 and tagging, respectively) and describe the respective tools designed to facilitate the visualization and exploration of these datasets.

2.1 Task 1 (catches) data and spatial distribution of catches

Task 1 nominal catch estimates (T1NC) adopted by the Group for the major small tuna species by year are presented in **Table 2** and **Figure 1**. To complement the presentation of T1NC, two Excel files were provided: one containing nominal catches (landings and dead discards), and the other containing live discards. In addition, the T1NC dashboard - developed in line with the 2021 SCRS recommendation - was made available to the Group to facilitate exploration of the T1NC dataset.

The total catch by weight for small tuna species in the T1NC dataset between 1950 and 2023 (**Table 2**) represents, on average, about 16% of the total nominal catches of all species. Within the small tunas, BON (*Sarda sarda*), LTA (*Euthynnus alletteratus*), FRI (*Auxis thazard*), KGM (*Scomberomorus cavalla*), and SSM (*Scomberomorus maculatus*) account for the largest share, while CER (*Scomberomorus regalis*) and BOP (*Orcynopsis unicolor*) remain negligible.

The ICCAT Secretariat informed the Group that some minor improvements have been made over the past two years in reducing the proportion of unclassified gears (UN) in the reported catches of small tuna species (**Figure 2**). Historically, a large portion of the reported catches prior to 2006 continue to fall under the unclassified gear (UN) category, a standing issue not fully addressed by the various CPCs fishing for small tuna species. Among the identified fishing gears purse seine (PS) is the most frequently reported for these species, followed by longline (LL) and gillnet (GN). Another relevant aspect is the distinction between reported and SCRS-estimated T1NC data over the years, as shown in **Figure 3**.

The Group reviewed the catch data for the period 1994–2023 for each of the species, identifying potential gaps. It also noted an unusual peak in catches of BLF in 2023, a sharp decline in catches of CER starting in 1999, and a significant drop in catches of COM (*Scomberomorus commerson*) since 2020. The Group reiterated that small tuna fisheries statistics for the period 1950–2023 are still largely incomplete and lack proper gear discrimination.

The Group discussed whether fisheries not targeting ICCAT species, but which catch small tuna species as bycatch, should be reported. It concluded that these types of fishing activities within the Convention area also contribute to the fishing mortality of the 13 major small tuna species, and therefore these catches (landings and dead discards) must be reported regardless of whether they are targeted or caught incidentally.

Document SCRS/P/2025/046 reviewed the current state of fisheries in São Tomé e Príncipe - focusing on small tunas - covering national context, fisheries structure, recent catch data, and capacity - building efforts, while highlighting data discrepancies and limited analytical capacity for biological samples.

Document SCRS/2025/123 updated on the Moroccan coastal fleet targeting BON in southern Atlantic waters, reporting a significant increase in fishing effort, high CPUE in recent years, and size data indicating a healthy, adult-dominated population structure.

The presenter clarified that the fishery targeting BON operates year-round without marked seasonality, following a relatively linear pattern throughout the year. It was also noted that catches of LTA are scarce in the Dakhla area.

2.2 Task 2 catch/effort and size data

Task 2 catch and effort (T2CE) and Task 2 size information (T2SZ) availability for all the small tuna species between 1994 and 2023, were presented in the SCRS catalogues (**Appendix 5**). Detailed catalogues and datasets for both T2CE and T2SZ were also made available during the meeting. Detailed catalogues with important metadata and characteristics allow CPC scientists to verify dataset characteristics like time and geographical stratification.

During the presentation of the T2CE catalogue, the ICCAT Secretariat pointed out several aspects affecting data quality, including the cases of datasets with high time-area aggregation levels. One issue concerns the temporal resolution of some datasets, which were reported at the annual or quarterly level despite T2CE and T2SZ datasets being required by the SCRS to be reported at monthly resolution. It was also noted that several datasets use large spatial grids (e.g.: 5x10 and 10x10), that is, lower spatial resolutions outside the minimum standards required by the SCRS for the different gear types (squares of 5x5 degrees or better for longline; squares of 1x1 degree or better for surface and the remainder gears).

The Group reviewed the information available in the SCRS catalogues and noted that Task 2 data, both T2CE and T2SZ, the majority of small tunas datasets remain incomplete. Additionally, the SCRS catalogues also show that several CPC catch series of small tunas (species/stock/flag/gear combinations in the period 1994-2023) have some years with Task 2 information (T2CE and/or T2SZ) but lack the respective annual catch (T1NC). Both problems should be addressed by the respective CPCs with the support of the ICCAT Secretariat.

2.3 Tagging data

The ICCAT Secretariat presented a summary of the ICCAT conventional tagging data on small tunas (SCRS/P/2025/045), which already includes the tagging activities carried out during the Atlantic Ocean Tropical Tuna Tagging Programme (AOTTP). The ICCAT Secretariat also presented the dashboard of small tunas on conventional tagging, aimed to dynamically explore and interact with this tagging information (releases, recoveries, apparent movement, etc.). All this information is published on the ICCAT website (under the tab Statistics/Access to Statistics DB/Tagging/Conventional tagging/other species/small tunas).

The small tuna species conventional tagging summary information is presented in **Table 3** and **Figures 4(A), 4(B)** and **4(C)** (3 maps) following the standard formats normally presented to the SCRS. The same maps by species are presented in **Figure 5** (species grid and three map types: density releases, density recoveries and apparent movement).

The Group noted that conventional tagging to date has remained low for small tuna. Particularly for important species such as FRI and BLT, with abundant catches in many regions of ICCAT area, few individuals have been tagged (**Table 3**), presumably associated with opportunistic tagging activities.

Fisheries indicators (including length data analysis)

Document SCRS/2025/127 presents standardized catch per unit effort (CPUE) estimates for WAH bycatch in the Venezuelan industrial longline fishery (1993–2023), showing a generally increasing trend with a recent dip, based on a Generalized Additive Mixed Model (GAMM) analysis of over 104,000 sets and supported by size data from the national observer program.

The Group noted a decreasing trend in the size of WAH specimens sampled during the final years of the time series, which extends up to 2013. The authors committed to investigating this issue further, to determine whether the observed pattern is related to a reduced number of samples or to another factors.

3. Review of available and new information on biology and other life history information of small tunas

3.1 Age and growth

Document SCRS/2025/114 presented the growth parameters of WAH in Atlantic Ocean were estimated based on dorsal fin spines and otoliths. The von Bertalanffy growth model was considered the best fit to the paired data for both ageing structures. For spines, the resulting growth equation was FL = 155.13 (1-exp(-0.515(t+0.54)). For otoliths, the growth equation was FL = 179.68 (1-exp (-0.19 (t+3.06)). The author confirmed that no further samples are required for age analysis of the species.

Presentation SCRS/P/2025/047 provided the ageing study for BLT using dorsal spines based on previous genetic discrimination. It was suggested that for spines structures, 1.0 CW distances are the best to do the transverse section for this species. Growth parameters were presented for frequentist and Bayesian analyses fitting the von Bertalanffy function to the length-at-age data. It was suggested samples from other geographical areas to be incorporated to improve the coverage of study.

The possibility of using body shape to differentiate between *Auxis spp.* was discussed. It was confirmed that this line of research is currently being conducted for *Auxis spp.* and LTA. It was clarified that spines were easier to extract and more suitable for age analysis of *Auxis spp.*, BON and LTA, while otoliths can be used for shape analysis to differentiate between species or stocks. However, otolith shape analysis for stock identification purposes is limited by extraction difficulties. The analysis of body shape (i.e. geometric

morphometrics) may be pursued instead. It was also explained that the *Auxis spp*. samples analyzed in this work come exclusively from Portuguese waters, as they were collected before the species became a target of study by the Small Tunas Species Group.

3.2 Reproduction and maturity (including a summary of the 2024 workshop)

Document SCRS/2025/122 reported on the Workshop on reproductive biology of small tunas, held at the laboratory of the Spanish Institute of Oceanography (*Instituto Español de Oceanografía*, IEO-CSIC) in Málaga, Spain. The main objective of the workshop was to identify and validate the microscopic maturity scale for studying the reproductive biology of different tuna species at both macroscopic and microscopic levels. During this work the maturity scales available were examined and a reference document for this purpose was produced. Capacity building on laboratory gonad processing and microscopic determination of maturity stages were also carried out.

It was noted that during the workshop, an update of the samples collected as part of the Small Tuna Year Programme (SMTYP) was made. Furthermore, gaps and needs were also identified according to research areas, species and region. Recommendations were made concerning sample costs, in particular for WAH.

Presentation SCRS/P/2025/052 provided a preliminary analysis of some biological parameters of MAW landed in the main artisanal fishing landing point of Libreville (Gabon) from 313 samples collected from June 2020 to July 2021. Examination of the non-linear regression curve showed negative allometry. Examination of the gonadosomatic index and macroscopic examination of gonad maturity stages would indicate two reproductive periods in Gabonese waters.

Due to the observations of a similar pattern in spatial distribution for the species in other regions, the Group wanted to understand if there were seasonal migrations in the study area.

3.3 Genetics (species and stock differentiation)

Document SCRS/2025/119 presented a comprehensive genetic study of BON, revealing significant geographic population structure across its range, and recommended that the tropical eastern Atlantic stock, be managed separately due to clear genetic differentiation.

Several key points emerged during the discussion, including a clear need for additional sampling of both BON and LTA to better define the boundaries of their putative stocks, particularly in the eastern/Levantine Sea, and for BON specifically in the Aegean, Marmara, and Black Seas.

The potential species differentiation within LTA was also addressed, with emphasis on the importance of morphometric and meristic data to support this hypothesis. While cryptic speciation was proposed as a possible explanation, it was also noted that the two distinct LTA stocks exhibit consistently different patterns of growth and reproductive behaviour, further supporting the possibility of biological divergence.

3.4 Other

Document SCRS/2025/116 suggested that rising sea temperatures and expanded citizen science reporting have revealed a plausible and possibly increasing presence of WAH in the Mediterranean, prompting calls for systematic monitoring to assess its potential establishment under climate change.

The Group noted that additional samples for small tunas species in this area would be helpful.

Document SCRS/P/2025/051 provided an overview of PROATUM (Sustainable Management of Brazilian Tuna Fisheries), a four-year (2025–2028) multi-institutional initiative aimed at securing the ecological and socio-economic sustainability of Brazil's tuna and tuna-like fisheries. Eight integrated working groups are tasked with rebuilding the national catch and biological databases, refining life-history parameters, conducting comprehensive stock assessments and Management Strategy Evaluations, mapping bycatch and spatial conflicts, and translating scientific findings into updated regulations aligned with national and ICCAT frameworks.

The Group underlined the importance of stakeholder engagement from the outset of the marine spatial planning process to ensure effective outcomes. The author confirmed that this participatory approach is already being implemented within the project.

Presentation SCRS/P/2025/050 provided seasonal data on CPUE and length-frequency distributions for LTA in the Egyptian Mediterranean by purse seiner.

The Group expressed concern over the reported CPUE values, or potential inconsistencies in the calculation and/or reporting of CPUE data. The authors clarified their calculation methods, noting that the figures represent preliminary data. The Group encouraged further research to improve data collection and ensure data consistency.

4. Plan to apply Data Poor Methods for future development of management advice

The SCRS Vice-Chair, who acted as one of the instructors of the First ICCAT Workshop on Data Limited Assessment Methods for Small Tunas (Madrid, Spain, 9-12 May 2023), provided an overview of the main aspects to be considered aiming at the application of these stock assessment models to small tunas.

The Group discussed how to apply data limited stock assessment frameworks to ICCAT small tunas, stressing the need to build on the capacity developed during the 2023 and the 2024 ICCAT Workshop on data limited assessment Methods for Small tunas (Madrid, Spain, 10-13 Sept 2024) related workshops.

Following the small tunas workpan, it was discussed that one or two species will be selected in September 2025 for assessment in 2027, based on a set of criteria such as: data availability, life-history information, and the socio-economic importance of the fisheries. This draft selection will be made during informal meetings to be held before September 2025, aiming to make a Group decision during the next Small Tunas Species Group meeting. In 2026, a group of experts will be working together to evaluate whether the available data and life-history parameters are sufficient to assess the selected species/stocks. The Group also agreed that the first stock assessment of a small tuna species would be tentatively scheduled for 2027.

5. Small Tunas Year Programme (SMTYP)

5.1 Update on programed activities for 2025

Document SCRS/2025/121 presented the progress of the Small Tunas Year Programme (SMTYP), along with its ongoing activities. This included data on the number of species samples over the years by sampling area and the quantity of biological samples collected (muscles, spines, otoliths, and gonads). Additionally, size distributions per species and sampling area were also presented.

The discussion focused on how to improve coordination. The Group hypothesized that insufficient communication between the members of the Consortium might be contributing to the low sampling achievements. Therefore, it requested improving coordination and required full commitment by the Consortium members, to achieve the goals of the annual contract and conclude the ongoing studies according to the workplan timeline.

The Group recommended that the sampling protocols be strictly followed, aiming to ensure the quality of the samples is kept and properly preserved. The Group also discussed the new samples to be collected in 2025, highlighting that due to the limited available time, it is essential that every CPCs that can contribute to this cooperative and coordinated effort become engaged in these tasks of sample collection to fill the current gaps.

5.2 Plan for future SMTYP activities in 2026 and beyond

Presentation SCRS/P/2025/049 provided a review and perspectives of the small tuna research program. The presentation highlighted the key points in the data collection, after a thorough review of the available samples and achieved results.

The Group agreed that future activities shall focus on continuing to fill data gaps for up to two more years, aiming to conclude the ongoing studies by 2027. The different research areas (reproduction, age and growth, and genetics) will be spread out to ensure good progress in various aspects.

6. Recommendations

General recommendations

The work of the Group was hampered by the late submission of nearly all documents and presentations. The Group recommended that the submission deadline for documents and presentations be enforced by the SCRS while taking into consideration the need to have some flexibility on a case-by-case basis. In addition, SCRS officers should also assess if submitted documents are relevant for the issues to be discussed in their meetings. Documents considered not to be relevant may not be accepted.

The Group recommended that SCRS continue to invest in building capacity on fundamental stock assessment concepts and the practical application of assessment models. Strengthening this foundational knowledge across CPCs is essential to ensure broader and more effective participation in SCRS activities, particularly in support of assessments for data-limited stocks and in enhancing the understanding of how scientific advice is developed and provided to the Commission.

Recommendations on statistics

The Group reiterated its concerns regarding the persistent data gaps in the ICCAT fisheries statistics database for small tuna. Particularly, the Group expressed concerns that small tuna catches, although having a very high social importance as a source of protein for coastal communities, are systematically under reported to ICCAT. This fact is due to many reasons that makes their monitoring very challenging, including: the artisanal nature of many fisheries; the wide geographical dispersion and remoteness of landing sites; the limited coverage or absence of national monitoring programs, which frequently prioritize species of higher commercial value; the lack of technical expertise in species identification and sampling protocols; and insufficient ICCAT funding available to assist developing countries in strengthening their monitoring systems. Considering these challenges, the Group recommended:

- Scheduling a dedicated discussion to explore strategies for addressing this issue, with the goal of developing a long-term plan to improve small tuna fisheries data collection in the Mediterranean, particularly along the northern African coast and in Eastern Atlantic region.

- SCRS scientists proceed with data recovery/data-mining activities and present the results as SCRS documents to the Small Tunas Species Group and the Subcommittee on Statistics, aiming to improve the planned activities related to the upcoming stock assessments.

Although increased sampling for BON and LTA could confirm putative stock boundaries, the available genetic results show a distinction between specimens collected in an area between the north of Senegal and the Gulf of Guinea (i.e., Côte d'Ivoire, Gabon and São Tomé e Príncipe areas) and those collected in the North-eastern Atlantic and the Mediterranean Sea. These results shall be brought to the attention of the Subcommittee on Statistics to discuss potential new stock boundaries.

Recommendations on biological studies

In addition to the genetic analysis, further analysis on shape/morphology, growth, size distribution and reproduction of samples collected off mainland Portugal, Mediterranean Sea and the Equatorial area, should be collated in support of BLT and FRI species differentiation.

7. Other matters

7.1 Draft workplan for 2026

The Group extensively discussed the workplan for 2026 and beyond, which envisaged the development of four key activities:

1) Biological studies, the Group will continue the ongoing studies, aiming to conclude those related to BON, LTA, WAH, BLT and FRI by the end of 2027, noting that the collection of gonadal samples shall be collected monthly, unlike the other biological samples for the age and growth and genetic components.

2) Continue a crucial routine activity that involves updating the biological metadata base, which will ensure the continuous actualization of biological information.

3) Data mining and recovery efforts are anticipated to significantly enhance the quality of existing statistical data.

4) Develop stock assessment, by applying data-limited methods to selected stocks/species in 2027 and 2029.

The above initiatives will contribute to streamline data management, improve the accuracy of biological insights, with the objective of conducting stock assessments, with the aim to provide robust scientific advice to the Commission on the conservation and management of small tunas.

The Group developed a draft of the workplan for 2026 and beyond and agreed to review it during the September 2025 Small Tunas Species Group meeting.

7.2 New rules regarding the requests related to science funding

The ICCAT Secretariat provided the background for the new rules related to SCRS science funding requests that should be followed by the Group while drafting the Recommendations with financial implications. This included an overview of the available funding and use made by the Small Tunas Species Group between 2020 and 2024. It was explained that the "Explanatory note on the draft ICCAT budget for financial year XXXX", which is annually prepared by the ICCAT Secretariat and discussed during the annual meeting of the Commission aiming the approval of the regular budget, shall now include much more information regarding the science budget, including among others: i) a general overview on the use of funds made available over the previous 5 years; ii) the balance of the science budget; iii) clear description and justification on the activities to be developed, together with thorough estimates of the associated funding requests; iv) the rationale for those activities that are planned for multi-years; and, v) that the funding requests to be estimated for the upcoming two biennial cycles of the Commission regular budget, and compiled in the budget table template developed by the ICCAT Secretariat.

Accordingly, a new template has been developed by the ICCAT Secretariat to be filled by the SCRS subsidiary bodies, while drafting their recommendations with financial recommendations. However, since the first draft of the Explanatory note on the draft ICCAT budget for financial year 2025 is due by late June, it would be essential that Chairs/rapporteurs provide a tentative list of activities and estimates of associated cost by major line of activity as detailed in the table below in advance.

An EXCEL file has also been made available by the ICCAT Secretariat to allow more thorough estimates related to travel and subsistence costs, that should be used by the SCRS to estimate costs associated with the invitation of experts and/or instructors to meetings and workshops.

Although the final budget will be approved at the September 2025 Species Group meeting, a tentative budget was reviewed by the Group.

The Group was informed that the SCRS Science Strategic Plan Ad Hoc Drafting Group will be working intersessionally to advance the drafting of the 2026-2031 SCRS Science Strategic Plan for review at the SCRS Science Strategic Plan meeting (9-11 July 2025). The SCRS Chair reminded the Group that all Species Groups have been asked to develop 6-year plans within their research programs, in parallel with the Strategic Plan

development, to encourage strategic research planning and facilitate collaborative efforts across Species Groups. He suggested that the budget table template could serve as a good format for 6-year research plan summary tables, as well, since the headings included are comprehensive, and new rows could be added under each heading for separate research projects. This would also greatly facilitate synchronizing the budget template for the funding requests with the strategic research plans.

7.3 Others matters

Presentation SCRS/P/2025/042 provided a study examining interactions between ICCAT species and non-ICCAT artisanal fisheries in southern Tunisia, with a focus on the use of trammel nets and gillnets. Small tunas were rarely observed; however, the lack of data from their peak fishing season limits the ability to draw firm conclusions. The Group requested more detailed information on fishing effort and emphasized the importance of collecting catch length composition data. The Group also suggested that the authors share the finalized results of this analysis at the upcoming small tunas meeting.

It was further noted that, where possible, biological sampling of the species would be valuable to support future assessments. While it is the responsibility of CPCs to conduct biological sampling and to provide such information, the Group discussed the broader need for a comprehensive survey of artisanal fisheries along the Mediterranean coast to explore actions for evaluating small tuna catches and their significance as a local food source.

Presentation SCRS/P/2025/048 described a modelling approach used to reconstruct trends in mean length and to simulate length distributions of small tunas, correcting for biases arising from fishing pressure and environmental variability. When applied to Brazilian fisheries, the method revealed a general decline in mean lengths and demonstrated strong consistency with traditional simulations, offering a practical tool for stock assessments in data-limited contexts.

The Group inquired about the geographic scope of the data used in the analysis and it was clarified that only national data were included. The absence of bullet tuna in the results was attributed to limited data availability and possible species misidentification. The Group welcomed the intention to provide updated catch data, noting that Brazil will review the published catch estimates and update the data if necessary. The Group also proposed that the methodology be presented to the Working Group on Stock Assessment Methods (WGSAM) for further review.

8. Adoption of the report and closure

The report was adopted during the meeting. The Chair thanked all the participants for their efforts, the EU (*Instituto Português do Mar e da Atmosfera*, IPMA, Portugal) for hosting the meeting and the ICCAT Secretariat for its support. The meeting was adjourned.

Table 1. List of small tuna species in ICCAT-DB.

SpeciesCode	ScieName	NameEN	NameFR	NameES	Author
BLF	Thunnus atlanticus	Blackfin tuna	Thon à nageoires noires	Atún des aletas negras	(Lesson 1831)
BLT	Auxis rochei	Bullet tuna	Bonitou	Melva(=Melvera)	(Risso 1810)
BON	Sarda sarda	Atlantic bonito	Bonite à dos rayé	Bonito del Atlántico	(Bloch 1793)
BOP	Orcynopsis unicolor	Plain bonito	Palomette	Tasarte	(Geoffroy St. Hilaire 1817)
BRS	Scomberomorus brasiliensis	Serra Spanish mackerel	Thazard serra	Serra	Collette, Russo & Zavala-Camin 1978
CER	Scomberomorus regalis	Cero	Thazard franc	Carite chinigua	(Bloch 1793)
COM	Scomberomorus commerson	Narrow-barred Spanish mackerel	Thazard rayé indo-pacifique	Carite estriado Indo-Pacífico	(Lacepède 1800)
FRI	Auxis thazard	Frigate tuna	Auxide	Melva	(Lacepède 1800)
KGM	Scomberomorus cavalla	King mackerel	Thazard barré	Carite lucio	(Cuvier 1829)
LTA	Euthynnus alletteratus	Little tunny(=Atl.black skipj)	Thonine commune	Bacoreta	(Rafinesque 1810)
MAW	Scomberomorus tritor	West African Spanish mackerel	Thazard blanc	Carite lusitánico	(Cuvier 1832)
SSM	Scomberomorus maculatus	Atlantic Spanish mackerel	Thazard atlantique	Carite atlántico	(Mitchill 1815)
WAH	Acanthocybium solandri	Wahoo	Thazard-bâtard	Peto	(Cuvier 1832)

Table 2. Overall Task 1 nominal catches (T1NC, t) of major small tuna species, by species, area, and year.

	2-Tuna (small)																
	ATL												MED				
Year	FRI	BLF	BLT	BON	BOP	BRS	CER	KGM	LTA	MAW	SSM	WAH	BLT	BON	BOP	COM	LTA
1950	5527	300		1458	100	3000	100	961	3136	0	3583		751	483			156
1951	3801	300		1727	100	3000	100	1645	669	0	4726		424	413			251
1952	1900	300		3334	100	3000	100	1393	2539	0	4858		212	327			14
1953	9798	300		4486	400	2900	100	1506	3335	0	4251		794	6795			44
1954	8734	400		2037	400	3200	100	1238	4936	0	3585		689	18436			135
1955	6665	100		4270	400	3900	300	1617	4250	0	3845		1072	56207			60
1956	2618	300		3166	200	2900	300	2090	2059	0	5127		1392	58178			94
1957	5924	100		4799	100	2700	300	2022	2236	0	5410		32	44127			22
1958	8640	500		4769	2700	3434	500	2313	3359	0	6811		1729	28626			47
1959	6104	600		6331	1000	3742	700	2472	9660	0	6005		90	11530			11
1960	7279	600		6366	1000	4479	800	2993	3000	0	7118		1540	34361			13
1961	6453	400		4868	2200	4042	600	3199	2452	0	7672		3609	45812			24
1962	4185	700		7285	3000	3842	600	3346	5089	0	8355		3893	7527			31
1963	3568	788		5349	3100	3842	500	3770	3968	0	7835		4310	22837			18
1964	4022	776		3342	2300	4496	600	3387	1653	0	6148		2801	13489		102	48
1965	6888	712		4374	216	3796	600	3787	4078	0	8717		2604	27004	1	804	42
1966	4477	662		7023	339	4205	600	3545	3274	0	10016		2765	22113	1	504	27
1967	6972	896		7942	684	3813	600	4558	3978	0	9783		4628	41206	48	303	38
1968	5500	683		5679	228	1667	600	6055	3003	1800	12012	100	3139	26268	4	102	168
1969	13416	753		6065	1341	2926	500	6788	2599	2700	11180		2793	55612	3	102	951
1970	8185	1952		8002	806	3368	500	6589	7676	200	12484	378	3383	20681	3	102	960
1971	6209	1875		15692	683	3154	800	6520	4838	1300	10713	381	4107	28230	7	31	866
1972	10180	1895		8754	310	4810	800	7465	2237	2100	11956	381	3478	16225	6	223	904
1973	6641	936		6069	102	6946	780	9917	1542	1600	13093	280	3569	6254	3	344	1061
1974	9582	1062		13679	143	8750	619	13789	4196	4713	12226	391	4354	7693	7	181	1304
1975	7886	815		9571	84	5039	620	9290	7649	1140	13058	326	2644	6033		140	1394
1976	6457	1026		9490	212	2272	565	8442	8373	1901	12307	379	3290	6498		146	2028
1977	16611	1251		11977	321	3188	629	8960	5844	2572	12218	393	3404	8697	135	239	2500
1978	4776	1341		7854	817	3484	698	6944	15129	6716	11528	452	3567	9417	153	211	2504
1979	8868	1205		6485	464	3722	586	11593	11803	4167	10899	760	3707	13485	28	688	2870
1980	16960	1175		12568	698	5617	604	15797	16440	4921	13945	610	3952	18546	0	239	2774
1981	12759	1973		10879	1448	5841	628	18692	14160	2742	11164	2920	3677	28167	0	332	1446
1982	19755	1941		13456	584	6019	687	18352	13723	5311	13633	2280	6043	28937		296	2480
1983	16662	1738		6998	38	6632	677	14607	21018	4689	9574	2366	5820	35552		305	1561
1984	19746	1908		6918	49	8129	680	13182	18410	4482	11362	2159	6337	15058		11	1650
1985	17753	1403		7149	124	3501	574	9964	10625	3941	11590	920	5240	17959	9	912	2040
1986	15478	2822		6163	86	6549	500	13990	11225	3180	14207	1151	5057	15428	1	527	2166
1987	21193	3462		7370	538	6212	392	13792	18070	1721	14461	1235	3739	22317	26	256	2424
1988	20573	3093	357	20733	1474	9510	219	14331	23836	3811	12671	1635	6126	24028	8	681	2405
1989	16411	2834	723	17671	1109	10778	234	12153	28257	2808	13845	1527	6387	11955	7	1577	2035
1990	16738	3888	3634	6811	436	7698	225	10420	12772	6629	12782	1498	8360	22097	37	1393	2617
1991	19674	4202	2171	8079	507	8856	375	13241	9120	3746	15318	1721	6606	25255	101	405	2315
1992	11425	4353	814	6881	465	6051	390	14691	20607	2423	16285	1835	4900	15111	176	463	1755
1993	16797	3535	70	4531	378	8049	450	16331	11872	1723	16317	2671	3350	25997	252	770	1258
1994	13332	2719	100	6037	615	7161	490	14777	13202	1278	14490	2143	5200	15682	176	688	1197
1995	11816	4051	0	6030	588	7006	429	14930	10381	1953	13697	2408	4301	15189	115	1081	1894
1996	13871	4488		7939	2064	8435	280	17782	9453	2910	16571	2516	5909	17195	132	1398	2116
1997	13980	3258	0	10340	254	8004	251	19815	12804	1475	15403	3104	3070	14078	227	1032	1601
1998	14332	3395	28	15523	47	7923	251	16394	12804	1496	8877	2497	2281	29730	130	1164	2914
1999	10589	3203	263	9143	651	5754	1	17717	9407	971	9837	2972	2383	28170	217	1110	2876
2000	8680	2483	902	5179	1062	4785	4	16342	11830	1321	8220	2035	3010	21972	145	1007	3489
2001	10151	4034	1236	5400	858	4553	6	15408	13955	881	8383	2318	4559	22237	154	1166	2988
2002	5742	4756	626	8208	786	7750	1	17258	14080	1393	9414	2226	5416	15717	137	1941	2643
2003	6108	1303	353	3307	713	5137	2	15863	16329	646	9793	2067	3441	11117	23	1769	684
2004	8832	1926	401	4584	573	3410	1	12830	14918	352	8119	2613	5823	11248	8	1634	1439
2005	6154	1031	719	4391	215	3712	1	11766	10873	480	10472	2467	3513	74376	2	1033	1042
2006	8429	1937	889	9648	32	3587	1	8252	8320	571	6308	1829	3344	32303		1101	1808
2007	9789	1927	602	6381	875	2253	0	17936	16472	847	6118	2581	5015	9247	172	1622	1911
2008	7861	1669	334	6772	426	3305	0	7344	11954	616	5900	2176	6491	10042	107	1861	2259
2009	12384	1442	484	13691	442	2681	0	7826	14170	684	6199	2354	5072	10019	6	1932	2957
2010	14215	1837	746	16338	273	1590	0	11697	20910	2384	11788	2381	7206	12584	14	1670	2170
2011	15471	2083	507	22341	335	1055	2	10452	21679	1333	10916	2844	8977	14442	42	987	3668
2012	18287	2849	515	8959	657	613	0	10151	16679	1128	10156	3729	5719	39321	24	645	4186
2013	17597	2134	1158	6482	641	853	0	9712	17010	3016	12684	5235	6494	18365	21	540	4633
2014	17149	1152	367	4640	939	698	1	11039	10619	1460	7798	3526	3549	23352	13	752	3605
2015	17074	1306	755	6712	1161	389	1	9913	17456	1242	7741	2554	4816	8993	1078	828	6574
2016	21814	1920	467	10930	743	1124	0	10838	19097	1489	8669	17320	5253	43938	62	1089	9788
2017	15703	1368	232	10959	522	1032	1	11257	14338	1286	8332	6881	3116	11798	38	1183	15147
2018	17755	1557	228	11093	104	1010	1	11844	19134	7066	4332	6482	3855	35491	22	1192	7886
2019	18397	1472	215	23931	119	1118	1	10058	15793	1810	12651	4894	3218	5745	52	880	9743
2020	18119	2653	184	17458	63	773	0	14660	14994	839	16691	8542	3347	27160	43	68	7346
2021	20669	2859	209	21817	193	707	0	8788	13390	2823	11763	3218	3475	6728	27	135	5293
2022	18542	4838	40	36026	99	991	0	8731	17731	1710	11530	4392	4978	56204	47	71	9111
2023	15317	7597	126	31960	107	1010	0	17649	14431	4523	9573	4075	4343	7445	138		10068

Table 3. Number of small tunas' specimens on the ICCAT conventional tagging database (ICCAT historical and AOTTP program) released and recovered.

	Releases			*Recoveries*		
	ICCAT	**AOTTP**	**TOTAL**	**ICCAT**	**AOTTP**	**TOTAL**
FRI (*Auxis thazard*)	108	1	109		1	1
BLF (*Thunnus atlanticus*)	2211	7	2218	96	2	98
BLT (*Auxis rochei*)	28		28	14		14
BON (*Sarda sarda*)	642	10	652	51		51
CER (*Scomberomorus regalis*)	10		10	1		1
KGM (*Scomberomorus cavalla*)	24628		24628	1264		1264
LTA (*Euthynnus alletteratus*)	2262	7933	10195	47	715	762
SSM (*Scomberomorus maculatus*)	1937		1937	2		2
WAH (*Acanthocybium solandri*)	174	282	456	1	3	4
Totals	**32000**	**8233**	**40233**	**1476**	**721**	**2197**

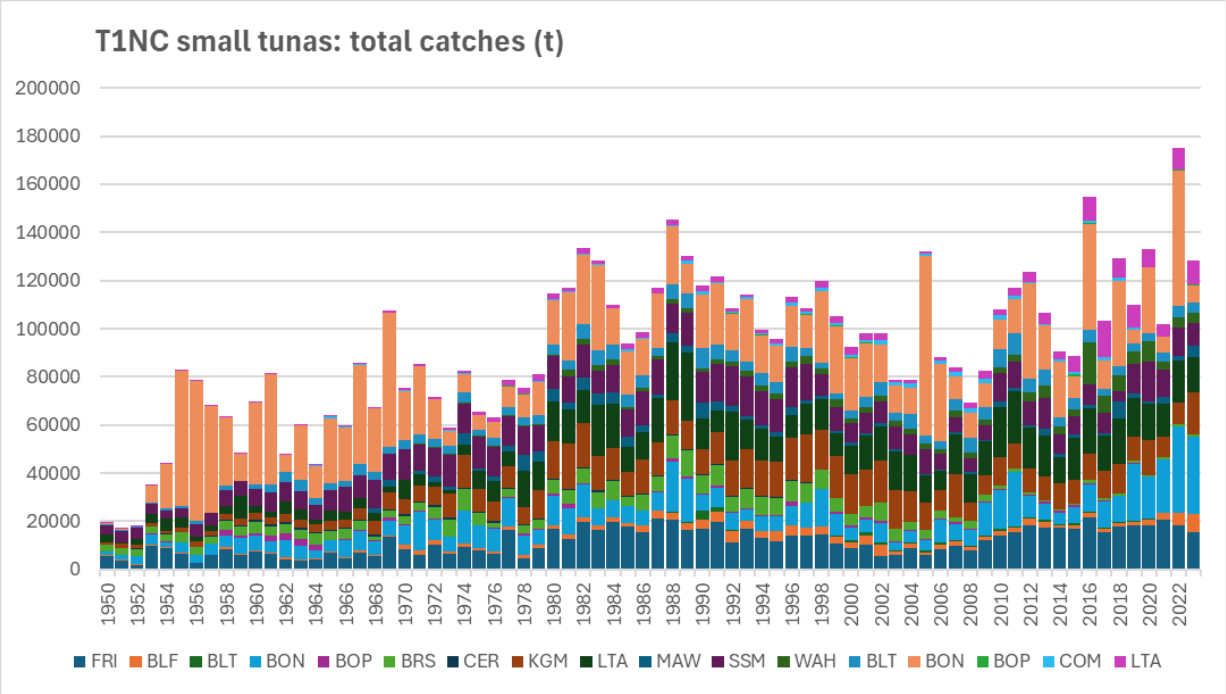


Figure 1. Total small tuna caches (t) in Task 1 (T1NC) by species and year.

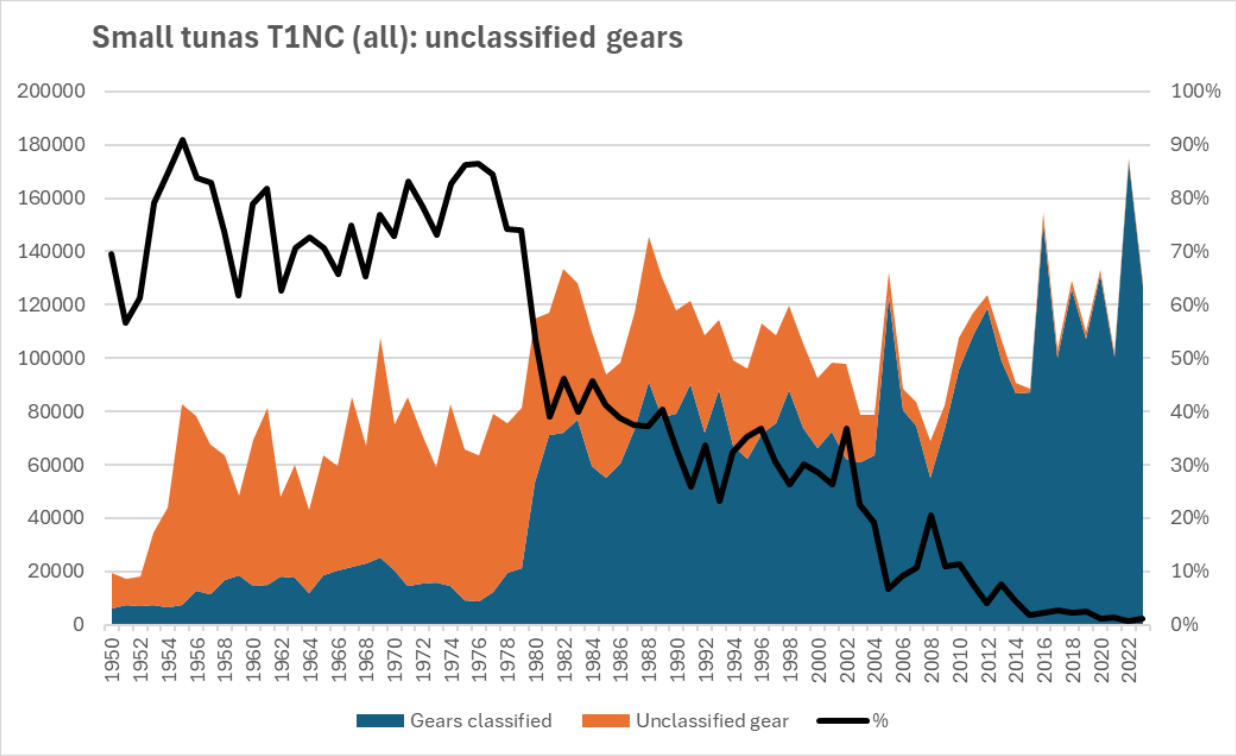


Figure 2. Total small tuna catches (t) with and without gear (UN: unclassified/unknown) by year. The ratio (%) of unclassified gears is shown in the right axis (black line series).

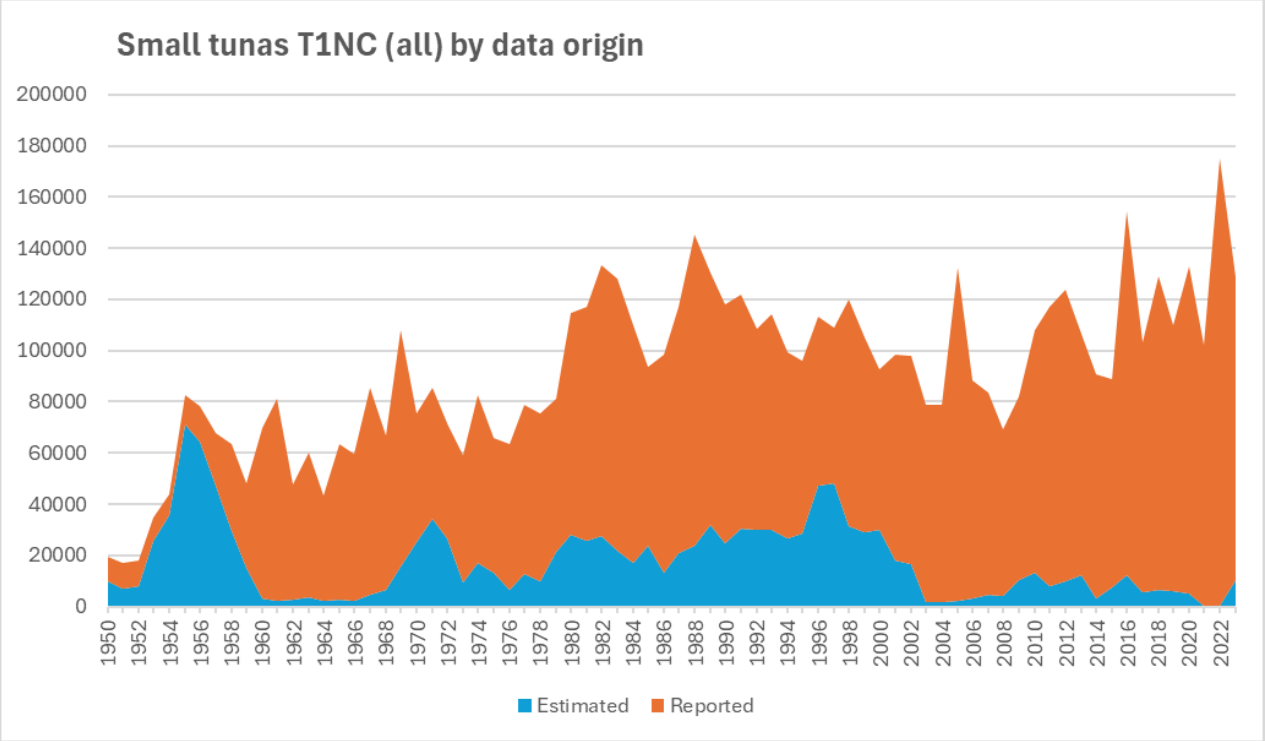


Figure 3. Total small tuna catches (t) in Task 1 (T1NC) by data origin and year. The data origin was classified in two categories: reported by CPCs and SCRS estimations (including carry overs). Historically unknown origin of T1NC records (1950-1969, with QualInfoCode = "UNKN") were classified as "Reported".

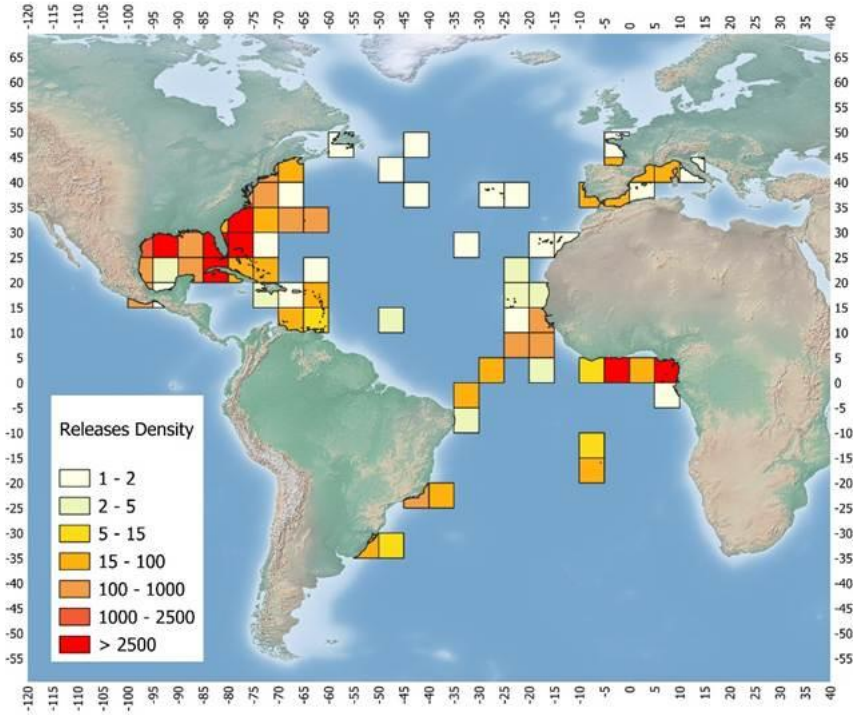


Figure 4. (A) density of the release positions at 5x5 lat lon grids in ICCAT conventional tagging on small tunas (including AOTTP).

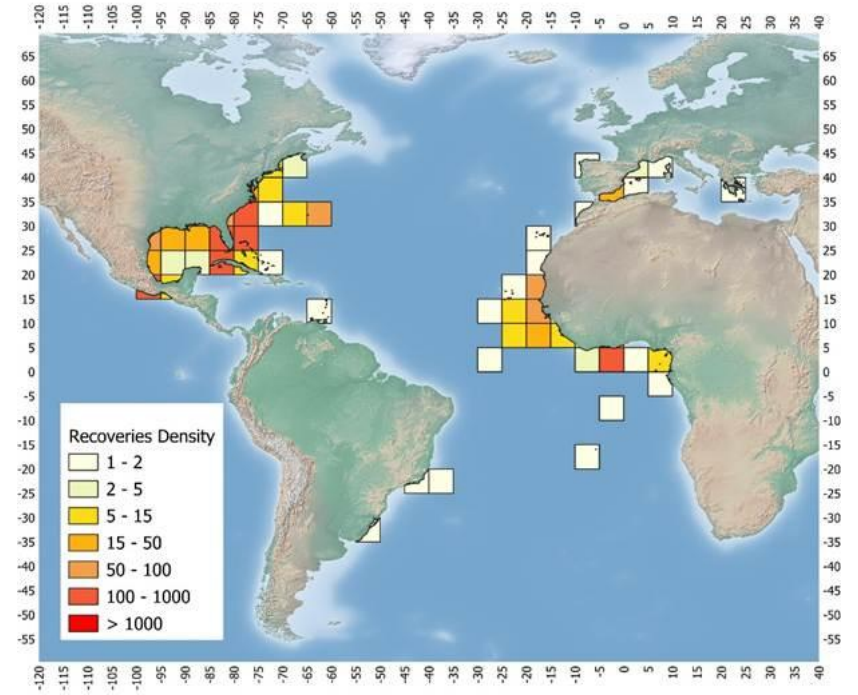


Figure 4. (B) Density of the recovery positions at 5x5 lat lon grids in ICCAT conventional tagging on small tunas (including AOTTP).

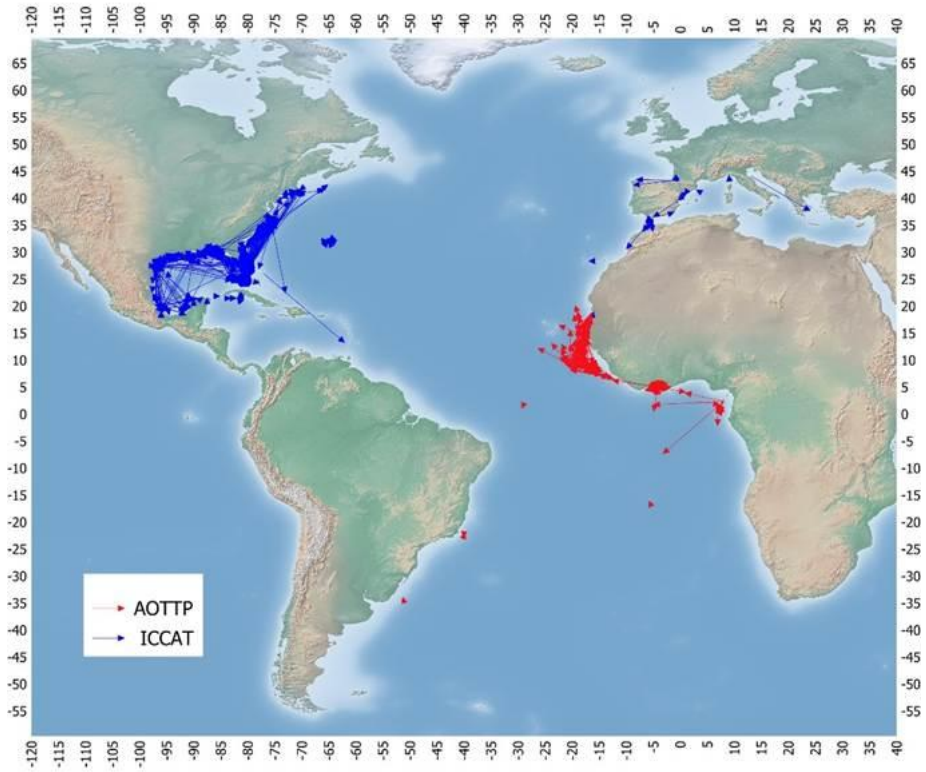


Figure 4. (C) Straight displacement from the release to the recovery position of the recaptured specimens in ICCAT conventional tagging on small tunas (including AOTTP).

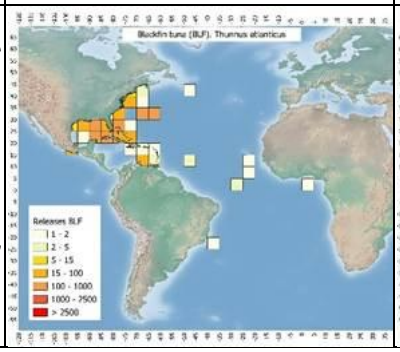
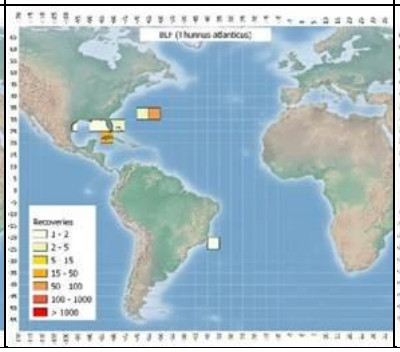
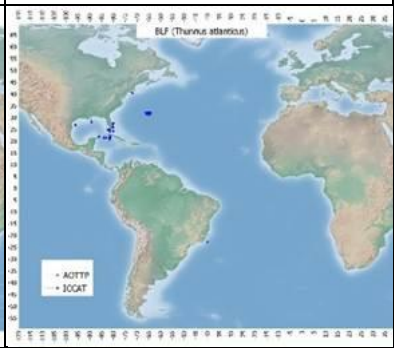
	Density releases	Density recoveries	Apparent movement
BLF (*Thunnus atlanticus*)			

Figure 5. Maps which show the density of the release positions at 5x5 lat lon grids, density of the recovery positions at 5x5 degree strata, and a map with the straight displacement from the release to the recovery position of the recaptured specimens, respectively for each species of the group of small tunas.

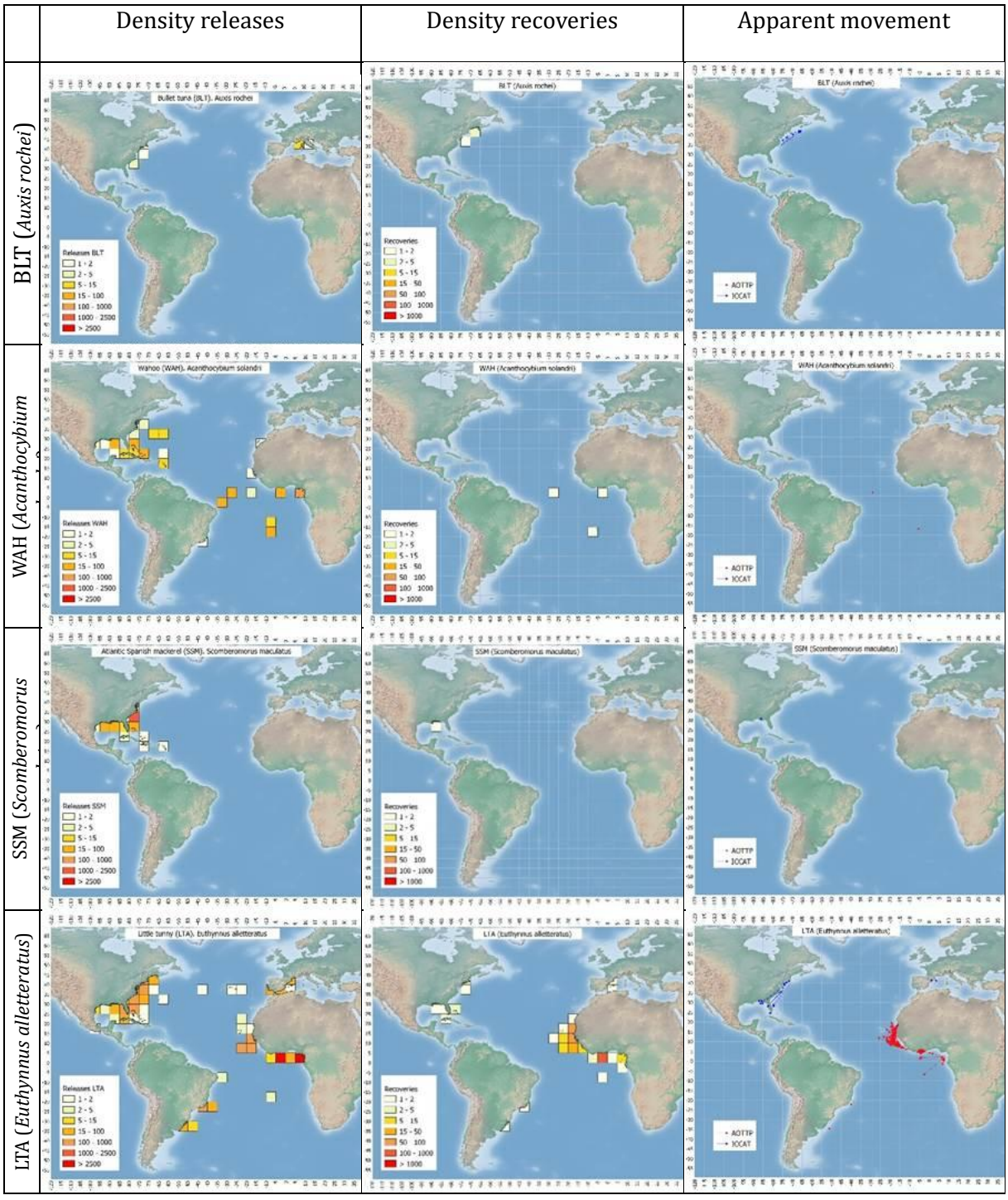


Figure 5 (continued). Maps which show the density of the release positions at 5x5 lat lon grids, density of the recovery positions at 5x5 degree strata, and a map with the straight displacement from the release to the recovery position of the recaptured specimens, respectively for each species of the group of small tunas.

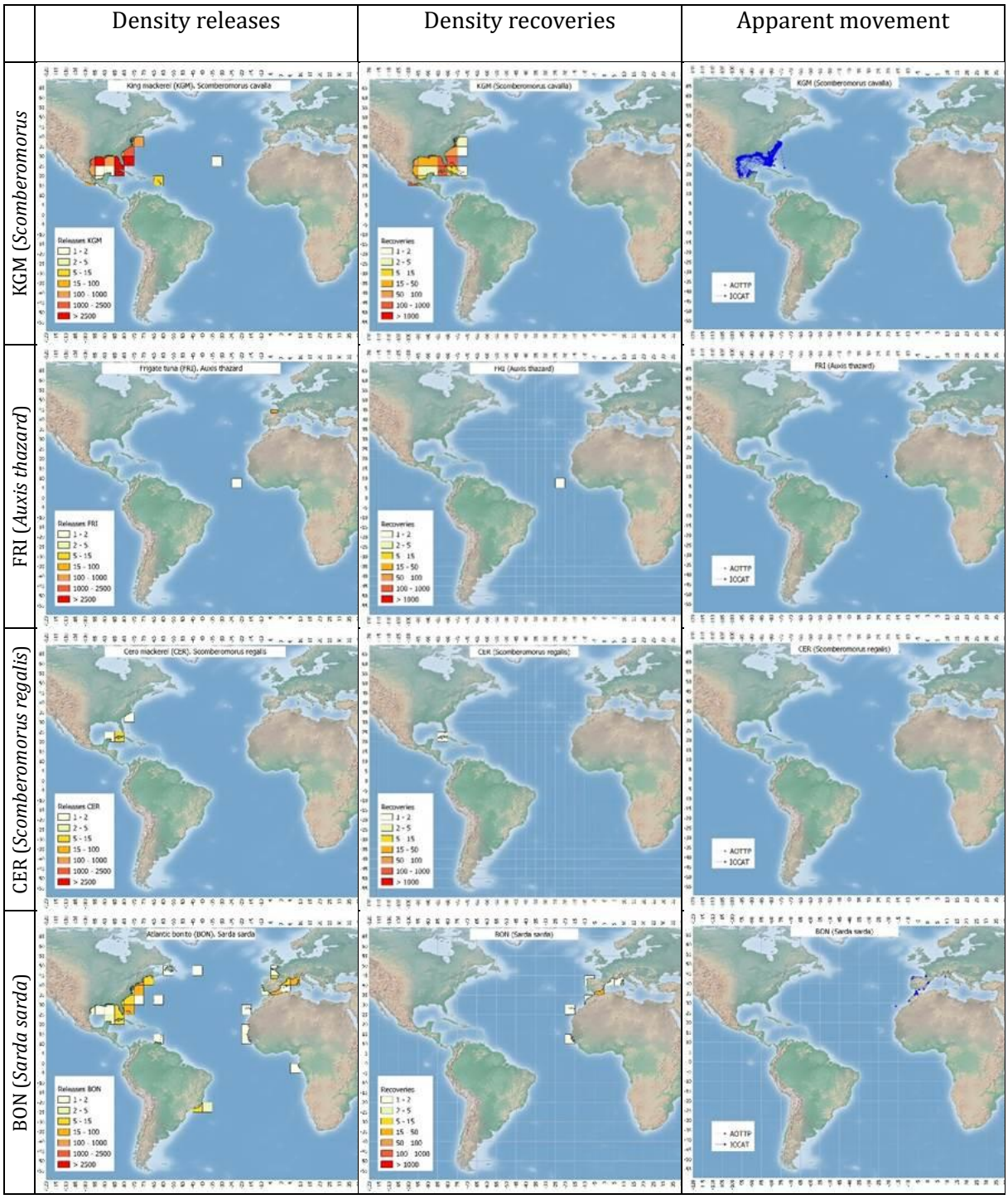


Figure 5 (continued). Maps which show the density of the release positions at 5x5 lat lon grids, density of the recovery positions at 5x5 degree strata, and a map with the straight displacement from the release to the recovery position of the recaptured specimens, respectively for each species of the group of small tunas.

Appendix 1

Agenda

1. Opening, adoption of Agenda, meeting arrangements and assignment of rapporteurs

2. Review of fisheries statistics
   2.1 Task 1 (catches) data and spatial distribution of catches
   2.2 Task 2 catch/effort and size data
   2.3 Tagging data

3. Review of available and new information on biology and other life-history information of small tunas
   3.1 Age and growth
   3.2 Reproduction and maturity (including a summary of the 2024 workshop)
   3.3 Genetics (species and stock differentiations)
   3.4 Other

4. Plan to apply Data Poor Methods for future development of management advice

5. Small Tunas Year Programme (SMTYP)
   5.1 Update on programed activities for 2025
   5.2 Plan for future SMTYP activities in 2026 and beyond

6. Recommendations

7. Other matters
   7.1 Draft workplan for 2026
   7.2 New rules regarding the requests related to science funding
   7.3 Other matters

8. Adoption of the report and closure

Appendix 2

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Appendix 3

List of Papers and Presentations

DocRef	Title	Authors
SCRS/2025/114	Updated age and growth of wahoo (*Acanthocybium solandri*) in the Atlantic Ocean, based on dorsal fin spines and otoliths	Silva G., Pinheiro J.L., Cardoso H., Lechuga R., Pascual-Alayón P, Diaha C.N'G., Davy A., N'Gom F.
SCRS/2025/116	Updated distribution of Wahoo (*Acanthocybium solandri*) in the Mediterranean Sea	DiNatale A., Corsini-Foka M., Deidun A., and Zava B.
SCRS/2025/119	Revisiting the Genetic Population Structure of Atlantic Bonito (Sarda sarda)	Bartrès D., Ollé-Vilanova J., and Viñas J.*
SCRS/2025/120	Quelques paramètres biologiques d'une espèce des thonidés mineurs ; le bonitou : *Auxis rochei* (Risso, 1810) pêché dans la zone centre d'Algérie	Benounnas K., Ferhani K., Bensmail S., and Mennad M.
SCRS/2025/121	Preliminary report of sampling activities in the SMTYP-2024	DaSilva G., Lucena Frédou F., Muñoz-Lechuga R., Viñas J., Macias D., Diaha N'G. C., Ngom Sow F., Angueko D., Hajjej G., and Baibbat S'A.
SCRS/2025/122	Report on the Workshop on Small Tuna Reproductive Biology	Diaha N.C., Ngom Sow F., Angueko D., Hajjej G., Baibbat S.A., Benounnas K., da Silva G., Macias D., Puerto M.A., and Rodríguez E.
SCRS/P/2025/041	Morphometric Comparison of Juvenile Tuna Species in the Adriatic Sea", in which we demonstrated a methodology for distinguishing juvenile *Thunnus thynnus* from *Euthynnus alletteratus* and *Auxis rochei* using geometric morphometrics and clustering techniques based on body shape	Talijančić, I., Žuvić L., Grubišić L., and Šegvić-Bubić T.
SCRS/2025/123	An Update of the Moroccan Coastal Fleet Targeting Bonito (*Sarda sarda*) South of Moroccan Atlantic Waters	Boughariouun, M, Abid, N., Baibbat, S. A., Ikkiss, A., and Bensbai, J.
SCRS/P/2025/042	Preliminary study of the interactions between small tunas and artisanal fisheries in the Ghannouch-Gabès region (Southeast Tunisia)	Hajjej G.
SCRS/P/2025/043	From Data Gaps to Assessment: Reconstructing Small Tuna Historical Data for Stock Evaluation and Management	Silva M. L. S., Andrade H. A., Cope J. M., Frédou T., Soares A. P. C., Barreto T. M. R. R., and Frédou F. L.
SCRS/P/2025/044	Summary of available Small Tunas statistical data	ICCAT Secretariat
SCRS/P/2025/045	Tagging summary for Small tunas (SMT)	ICCAT Secretariat
SCRS/P/2025/047	Update of the ageing analysis for Bullet tuna (*Auxis rochei*) after a genetic discrimination	Munoz-Lechuga R, Cabrera-Castro R., Mendoza A., Berlotti B., Viñas J., Ollé J., and Lino P.G.
SCRS/2025/127	Standardized catch rates for wahoo (*Acanthocybium solandri*) from the Venezuelan pelagic longline fishery off the Caribbean Sea and the western central Atlantic (1993-2023)	Narváez M., Marín H, Evaristo E, Gutiérrez X, and Arocha F
SCRS/P/2025/046	Fisheries statistics on Small tunas catches in São Tomé e Príncipe	Conceição I.
SCRS/P/2025/048	From data gaps to assessment: reconstructing small tuna historical data for stock evaluation and management	Silva M. L. S., Andrade H.A, Cope J.M., Frédou T., Soares A.P.C., Barreto T.M.R.R., Frédou F.L.
SCRS/P/2025/049	Small tuna research program: a review and perspectives	Fredou F, Silva G., Muñoz-Lechuga R., Viñas J., Macias D., Diaha C., Sow F.N., Angueko D., Hajjej G., Baibbat S'A.

SCRS/2025/099	Report on the workshop on small tuna reproductive biology	Diaha N.C., Sow F.N., Angueko D., Hajjej G., Baibbat S.A, Benounnas K., Silva G., Macias D., Puerto M.A., Rodríguez E.
SCRS/P/2025/050	Summer investigation of *Euthynnus alletteratus*from Egypt Mediterranean Sea " length variations and CPUE of purse seine	Farrag M
SCRS/P/2025/051	PROATUM – Sustainable Management of Brazilian Tuna Fisheries	Frédou T.
SCRS/P/2025/052	Preliminary Study of some Biological Parameters of the White King Mackerel Scomberomorus tritor, Cuvier, 1831, Landed in Capal	Angueko D.

Appendix 4

SCRS documents and presentation summaries as provided by the authors

SCRS/2025/099 - This report on the workshop about the reproductive biology of small tunas was held at the Spanish Institute of Oceanography laboratory (IEO_CSIC) in Málaga, (Spain). The main objective of the workshop was to identify and validate the reference scale for studying the reproductive biology of different small tuna species. To this end, available scales were examined and a summary was created to serve as a reference scale for gonad maturity. Capacity building was conducted to harmonize the different laboratory processes for gonad treatment. An update of samples collected for the SMTYP project was completed to highlight gaps by research axis.

SCRS/2025/114 - The Wahoo (*Acanthocybium solandri*) is a species of the Scombridae family, commonly found in tropical and subtropical environments around the world. Although wahoo is not a target species for the fishing industry, it is usually landed as a bycatch species by trolling fishing boats, purse seine fishing with loaders and fixed nets. the present study aims to estimate the growth parameters of Acanthocybium solandri in Atlantic Ocean, based on dorsal fin spines and otoliths. The paired data of the fork length (FL) and estimated age from dorsal spines were adjusted to the von Bertalanffy equation, resulting in the following growth equation: FL = 155.13 (1-exp(-0.515(t+0.54)). For the otoliths, the von Bertalanffy growth model presented the lowest AIC value, which can be considered the model with best fit to the paired data, resulting in the following growth equation: FL = 179.68 (1-exp (-0.19 (t+3.06)). With the present results we expect to contribute in the update of growth parameters of wahoo in the Atlantic Ocean, enabling an effective fishery management.

SCRS/2025/116 - The occurrence of the Wahoo (*Acanthocybium solandri*) in the Mediterranean Sea is known since the XIX century, but its records within the area remain occasional and casual. Apparently, its occurrence has increased in the last two decades, possibly also thanks to the increasingly warmer temperatures in the area, but also thanks to the citizen science opportunities provided by the ever-expanding social information networks. This short paper provides a review of the latest information on the Mediterranean distribution of the Wahoo, with the aim to increase the SCRS and ICCAT awareness on this species in the Mediterranean Sea.

SCRS/2025/119 - In the document SCRS_2025_119, the authors compiled all the available data on the population structure of bonito using the same molecular marker (mtDNA). The systematic application of this marker over more than two decades has enabled the study of 890 bonito samples, covering a large part of their distribution, with samples collected more than two decades apart. The main result is that the divergence between the northeast Atlantic samples and the tropical Atlantic localities is corroborated, and this should be considered the starting point for management purposes. During the discussion, the results of the genetic population structure of LTA were also presented. Once again, genomic analysis confirms the deep genetic separation at the species level between samples from the tropical eastern Atlantic and those from the north-east Atlantic/Mediterranean. This differentiation is corroborated by growth analysis and by different reproductive behaviour. The implications of this result were discussed.

SCRS/2025/120 - This study provided information on some growth parameters of bullet tuna (*Auxis rochei*) caught in the Bay of Bou-Ismail (Tipaza) in 2023. The study is based on monthly sampling over a total of seven months, carried out by small-scale fisheries in the central region of Algeria. According to the available data, the calculated relationships highlight a negative allometry between fork length and total weight for *Auxis rochei*. This indicates that fork length (FL) increases at a slower rate than total weight (TW). The Von Bertalanffy growth parameters were determined through the analysis of size structures: the asymptotic length (L8), the growth coefficient (K), and the theoretical age (t0) of individuals when their size is zero in Auxis rochei.

SCRS/2025/121 - This is the preliminary report of the Small Tunas Year Program (SMTYP) for the year of 2024 with the ongoing activities of sampling effort, as well as age and growth, reproduction, and stock structure analysis. A total of 148 individuals were collected by now during the present contract: 60 BLT from ATL-SE, 62 FRI from ATL-SE, 26 LTA (16 from ATL-SW and 10 from MED), and 53 WAH from ATL-NE. For age and growth studies, we have processed 10 dorsal spines of LTA from Tunisia (MED), 52 dorsal spines of wahoo from Senegal, and 46 otoliths of wahoo from Senegal (30 for daily ageing and 16 for annual ageing). Stock structure and species identification analyses are currently being performed, since we were waiting for samples to arrive and the procedure for a complete analysis. The preliminary results were presented in the ICCAT SCRS meeting in September 2024.

SCRS/2025/122 - This report on the workshop about the reproductive biology of small tunas was held at the Spanish Institute of Oceanography laboratory (IEO_CSIC) in Málaga, (Spain). The main objective of the workshop was to identify and validate the reference scale for studying the reproductive biology of different small tuna species. To this end, available scales were examined and a summary was created to serve as a reference scale for gonad maturity. Capacity building was conducted to harmonize the different laboratory processes for gonad treatment. An update of samples collected for the SMTYP project was completed to highlight gaps by research axis.

SCRS/2025/123 - This document presents an update of the biological data and fisheries indicators for Atlantic bonito (*Sarda sarda*, Bloch 1793) targeted by the Moroccan coastal fleet south of the Moroccan Atlantic waters for the period 2010-2024. In total, 8736 trips were carried out by this fleet during 2024. The size for Atlantic bonito ranged between 30 and 83 cm SFL, with an average size of 51.4 cm observed in 2024. The mean size of fish and the CPUE showed an increasing trend from 2010 to 2024. The analysis emphasizes the need of ongoing monitoring to identify and investigate sudden changes and trends, helping to prevent overfishing.

SCRS/2025/127 - A standardized CPUE index was developed for Wahoo (Acanthocybium solandri) using a Generalized Additive Mixed Model (GAMM) with a Delta lognormal distribution, based on logbook data from 1993-2023. The model incorporated Year as fixed factor, Season (quarter of the year) as random effect factor and environmental variables as smooth terms. These variables included: Sea surface temperature, salinity, dissolved oxygen, mixed layer depth, chlorophyll a, primary productivity, illumination percentage of moonlight and bathymetry. Diagnostic plots showed no major departure from expected. The index showed a variable trend with lower values at the end of the series.

SCRS/P/2025/041 - Accurately distinguishing small tuna species using geometric morphometrics depends on more than advanced statistical tools as it starts with consistent, standardised image acquisition. This presentation will introduce overview on protocols that can minimise measurement error, ensure reproducibility and provide a solid foundation for regional campaigns to improve small tuna specie identification in the Atlantic and Mediterranean.

SCRS/P/2025/042 - This study presents a case study of interactions between ICCAT-listed species and non-ICCAT fisheries, with a focus on artisanal fishing activities in Ghannouch, southern Tunisia. The study primarily examines the use of trammel nets (targeting cuttlefish and shrimp) and gillnet, as well as their associated catch composition and bycatch rates. Findings indicate that gear type significantly influences both catch selectivity and the incidence of bycatch. Small tunas were rarely recorded in landings, suggesting limited interaction; however, the main fishing season for these species (April-July) was not covered, which constrains interpretation of their actual impact.

SCRS/P/2025/050 - The little tunny (*Euthynnus alletratus*) as ICCAT concern has been paid attention for future conservation in the Mediterranean Sea particularly Egyptian coast. This is a short and specific investigation of *E. alletteratus* caught by purse seiners during March, June, July and August from certain areas and landing sites along the coast (Alex, - Abu Qir- Maadia and Rashid). The length variations were measured during all months, while the CPUE was estimated during June-August. The samples were ranged from 28 to 108 cm and an average of 68.01±20, weight ranged from 0.8 to 10.4 and average of 5.53 ± 2.53 kg. For monthly variations in length, the length range was 28-50cm, then increased to 44-108cm in June, 38-102cm in July and 44-102 cm in August. From the length frequency, the majority of length was from 46 to 78 cm. According to length analysis by R package, Accordingly, L8 was estimated as 122.37 cm, K values were estimated as 0.22 year–1, and growth performance was estimated as 3.01. Regarding, the estimated total catch during June- August, the highest total catch was estimated from Rashid landing site in July as 90

tonnes with CPUE 2500±230kg (Boat/Month) and 490±60kg (Boat/Day). The lowest total catch was estimated in Alex. during June 1.8 tonnes with CPUE 600±1500kg (Boat/Month) and 280±45kg (Boat/Day). The investigation considered preliminary and short investigation for one gear and need further combinations with other gears for long time. The small length range in March reflect the young specimens, then the samples during summer reflected the season of such species. From the CPUE estimation and evaluation in four areas, it was noticed that the areas (Alex. & Abu Qir) have similarity in the habitats and fishing boats and efforts. While the areas (Maadia and Rashid have nearly the similar behavior of fishing operations. In spite the investigated season represents the most catch of this species, it needs to be investigated during the whole of years and studied for various fishing gears. Moreover, this study may be considered the step guide for the attention towards the small tuna in the Egyptian Mediterranean coast.

Appendix 5

SCRS Catalogues for small tunas

Table 1[a-m] Small tuna species standard SCRS catalogues on statistics (Task 1 and Task 2) of the major ICCAT small tuna species by stock/area, major fishery (flag/gear combinations ranked by order of importance) and year (1994 to 2023). Only the most important fisheries (representing about 90 to 95 % of Task 1 total catch) are shown. For each data series, Task 1 (DSet= 't1', in tonnes) is visualised against its equivalent Task 2 availability (DSet= 't2') scheme. The Task 2 colour scheme, has a concatenation of characters ('a'= T2CE exists; 'b'= T2SZ exists; 'c'= CAS exists) that represents the Task 2 data availability in the ICCAT-DB. See the legend for the colour scheme pattern definitions.

Table	Species	Scientific name	% weight in Task I of Small tunas (1994-2023)	Order (#)	Stock / area
1a	BLF	Thunnus atlanticus	2.5	9	AT
1b	BLT	Auxis rochei	4.7	6	AT
1c	BLT	Auxis rochei			MD
1d	BON	Sarda sarda	31.2	1	AT
1e	BON	Sarda sarda			MD
1f	BOP	Orcynopsis unicolor	0.6	12	AT
1g	BOP	Orcynopsis unicolor			MD
1h	BRS	Scomberomorus brasiliensis	3.1	8	AT
1i	CER	Scomberomorus regalis	0.1	13	AT
1j	COM	Scomberomorus commerson	1.0	11	MD
1k	FRI	Auxis thazard	12.7	3	AT
1l	KGM	Scomberomorus cavalla	12.1	4	AT
1m	LTA	Euthynnus alletteratus	17.7	2	AT
1n	LTA	Euthynnus alletteratus			MD
1o	MAW	Scomberomorus tritor	1.6	10	AT
1p	SSM	Scomberomorus maculatus	9.4	5	AT
1q	WAH	Acanthocybium solandri	3.6	7	AT

Legend (t2)	
a	t2ce
b	t2sz
c	cas

-1	no T2 data
a	t2ce only
b	t2sz only
c	cas only
bc	t2sz + cas
ab	t2ce + t2sz
ac	t2ce + cas
abc	all
	no T1 data

Table 1-a. SCRS catalogue: BLF(AT) (Thunnus atlanticus)

						T1 Total	2719	4051	4488	3258	3395	3203	2483	4034	4756	1303	1926	1031	1937	1927	1669	1442	1837	2083	2849	2134	1152	1306	1920	1368	1557	1472	2653	2859	4838	7597			
Score:	**2.96**																																						
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**		**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**	**2022**	**2023**	**Rank**	**%**	**%cum**
BLF	ATL	CP	USA	RR	t1		482	518	388	469	647	568	288	420	287	365	638	191	806	402	631	594	888	946	1893	1301	551	725	1224	904	1025	701	1588	1002	2338	1957	1	31.22	31.22
BLF	ATL	CP	USA	RR	t2		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	ab	b	ab	ab		1		
BLF	ATL	CP	EU-France	UN	t1		1330	1370	1040	1040	1040	1040	1040	1040	1040														14	0	0	1			0	0		2	12.61	43.83
BLF	ATL	CP	EU-France	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1														-1	a	-1	b			a	a		2		
BLF	ATL	CP	Venezuela	PS	t1		13	621	691	415	907	844	472	891	324	204	605	121	165	742	202	291	238	416	195	155	69	76	161	25	33				2	0		3	11.20	55.03
BLF	ATL	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			3		
BLF	ATL	CP	Grenada	TR	t1		189	123	164	126	233	94	164	223	255	335	268	306	371	291	290	291	291	291	291	291						62	43		36	108	4	6.48	61.51
BLF	ATL	CP	Grenada	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	4		
BLF	ATL	CP	Brazil	HL	t1																		5				58	63	38	40	133	239	315	225	1230	2166	5	5.69	67.20
BLF	ATL	CP	Brazil	HL	t2																		a	-1			a	-1	a	a	a	a	a	a	a	a	5		
BLF	ATL	CP	Brazil	LL	t1		1		2	28						1	2	0	0			1	1	68	92	111	262	158	119	159	121	261	530	219	2293	6	5.59	72.79
BLF	ATL	CP	Brazil	LL	t2		-1		-1	-1						a	a	a	a	a	a	ab	-1	a	a	a	a	a	a	a	a	a	a	a	a	6		
BLF	ATL	CP	Brazil	UN	t1		6		382	297	55	55	38	149	1518				240		248	0							31	33						7	3.85	76.64
BLF	ATL	CP	Brazil	UN	t2		-1		-1	-1	-1	-1	-1	-1	-1				-1		-1	-1							-1	-1						7		
BLF	ATL	CP	Brazil	BB	t1		31	153	265	93					151	1	118	90		233	18	10	8	40	56	18	130	0			100	50	244	532	351	302	8	3.78	80.41
BLF	ATL	CP	Brazil	BB	t2		-1	-1	-1	-1					-1	a	-1	-1	ab	-1	-1	-1	a	-1	a	a	a	-1	a	a	a	a	a	a	a	a	8		
BLF	ATL	CP	Venezuela	BB	t1				64	60	108		224	973	821	107	127	104	71	34	29	1	92	13	25	25	4	3	35	4		0	0				9	3.69	84.10
BLF	ATL	CP	Venezuela	BB	t2		ab	ab	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	ab	ab		ab	ab				9		
BLF	ATL	NCO	Sta Lucia	TR	t1										96	169	96	126	182	151	179	165	203	229	192	147	104	80	156	119		127	84	74	75	60	10	3.55	87.66
BLF	ATL	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	-1	10		
BLF	ATL	NCO	Dominican Republic	UN	t1		239	892	892	231	158	18	19																								11	3.09	90.75
BLF	ATL	NCO	Dominican Republic	UN	t2		-1	-1	-1	-1	-1	-1	-1																								11		
BLF	ATL	CP	Brazil	PS	t1																													405	473	584	12	1.84	92.59
BLF	ATL	CP	Brazil	PS	t2																													-1	a	a	12		
BLF	ATL	CP	Cuba	BB	t1		223	156	287	287																											13	1.20	93.79
BLF	ATL	CP	Cuba	BB	t2		-1	-1	-1	-1					b																						13		
BLF	ATL	CP	USA	HL	t1		0	7	9	8	8	20	12	22	24	32	24	20	15	15	14	15	13	11	16	17	21	23	28	25	30	43	29	36	57	57	14	0.82	94.61
BLF	ATL	CP	USA	HL	t2		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	b	b	b	b	14		
BLF	ATL	CP	Venezuela	LL	t1		8	3	3	23	19	340		38	66	9			1	0		0	1	2	1	0	1	1	1	1	4	9	4	2	3	3	2	15	0.70	95.31
BLF	ATL	CP	Venezuela	LL	t2		a	a	-1	ab	ab	ab		-1	-1	a			a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	15		
BLF	ATL	CP	USA	LL	t1		10	55	49	62	43	27	24	28	22	14	13	13	10	5	4	8	10	9	10	7	11	11	8	15	16	11	9	15	7	12	16	0.68	95.99
BLF	ATL	CP	USA	LL	t2		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	16		
BLF	ATL	CP	Curaçao	UN	t1		60	50	45	45	45	45	45	45	45																						17	0.54	96.53
BLF	ATL	CP	Curaçao	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1																						17		
BLF	ATL	NCO	Dominica	UN	t1		19	30				79	83	54	78	42			0	0	0	0	0	1	1		2	3	4	0	1	3	0				18	0.50	97.03
BLF	ATL	NCO	Dominica	UN	t2		-1	-1				-1	-1	-1	-1	-1			-1	a	a	a	-1	a	-1		-1	-1	-1	a	a	a	a					18		
BLF	ATL	NCO	Sta Lucia	HL	t1		82	47			60	41	45	108																							19	0.48	97.52
BLF	ATL	NCO	Sta Lucia	HL	t2		-1	-1			-1	-1	-1	-1																							19		

Table 1-b. SCRS catalogue: BLT(AT) (Auxis rochei)

						T1 Total	100	0	0	0	28	263	902	1236	626	353	401	719	889	602	334	484	746	507	515	1158	367	755	467	232	228	215	184	209	40	126			
Score:	**1.76**																																						
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**		**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**	**2022**	**2023**	**Rank**	**%**	**%cum**
BLT	ATL	CP	Russian Federation	TW	t1								408	1028	460	122	102	139	22		23	48	67	119	366	703	352	345	336	62	125	75	134	64	19	32	1	40.61	40.61
BLT	ATL	CP	Russian Federation	TW	t2								-1	-1	-1	-1	-1	-1	-1		-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	1		
BLT	ATL	CP	EU-Portugal	TP	t1						28	0	313	65	48	83	296	580	510	582	168		479	363								52	24	125	1	28	2	29.51	70.12
BLT	ATL	CP	EU-Portugal	TP	t2						-1	a	a	a	a	a	a	-1	-1	-1	-1		a	a								a	a	a	a	a	2		
BLT	ATL	CP	EU-Portugal	UN	t1							239	177	142	117	148	1				143	436	175	21	38	25						4	2	1	2	5	3	13.19	83.30
BLT	ATL	CP	EU-Portugal	UN	t2							a	a	a	a	a	a	a			a	-1	a	a	-1	-1						a	a	a	a	a	3		
BLT	ATL	CP	Brazil	LL	t1																				5	117		56	131	34	59						4	3.17	86.48
BLT	ATL	CP	Brazil	LL	t2																				-1	-1		-1	-1	-1	-1						4		
BLT	ATL	CP	EU-Portugal	LL	t1							20	0	2	1				357	20			1			0						0	0	0	0	0	5	3.16	89.64
BLT	ATL	CP	EU-Portugal	LL	t2							a	-1	a	a		a	a	a	a			a			-1						a	a	a	a	a	5		
BLT	ATL	CP	Brazil	BB	t1																				74	289					13						6	2.96	92.59
BLT	ATL	CP	Brazil	BB	t2																				-1	a				-1							6		
BLT	ATL	CP	Côte d'Ivoire	GN	t1																							222	0	1	0	0	20				7	1.91	94.50
BLT	ATL	CP	Côte d'Ivoire	GN	t2																						a	a	a	-1	a	-1					7		
BLT	ATL	CP	EU-Germany	TW	t1																								121	14						3	8	1.09	95.59
BLT	ATL	CP	EU-Germany	TW	t2																								-1	a						-1	8		
BLT	ATL	CP	EU-Lithuania	TW	t1																						1				76		6	14	27	9	0.97	96.57
BLT	ATL	CP	EU-Lithuania	TW	t2																						-1				-1		-1	-1	-1	9		
BLT	ATL	CP	Russian Federation	PS	t1		100																														10	0.79	97.35
BLT	ATL	CP	Russian Federation	PS	t2		-1																														10		

Table 1-c. SCRS catalogue: BLT(MD) (Auxis rochei)

Score: 0.88

Species	Stock	Status	FlagName	Gear	Grp	DSet	T1Total	5200	4301	5909	3070	2281	2383	3010	4559	5416	3441	5823	3513	3344	5015	6491	5072	7206	8977	5719	6494	3549	4816	5253	3116	3855	3218	3347	3475	4978	4343	Rank	%	%cum
BLT	MED	CP	EU-España	UN	t1			702	1233	1962	408	221	527	411	750	317	495	1009	828	1027	2979	3265	607	3748	3099	1463	2418	600	165	113		27	54			0	0	1	20.73	20.73
BLT	MED	CP	EU-España	UN	t2			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	a	a	b		-1	a	a	a		a	a	1		
BLT	MED	CP	Türkiye	PS	t1		77						316	316	316	316		284	1020	1031	993	836	1873	1081	2552	907	863	562	476	407	474	367	441	1064	730	794	472	2	13.54	34.26
BLT	MED	CP	Türkiye	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	-1	-1	-1	2		
BLT	MED	CP	Algerie	PS	t1		247	188	202	156	245	149	178	166	306		153	201	472	437		219	109	986	983	443	914	1846	1563	192	778	362	667	1707		1576	3	11.26	45.52
BLT	MED	CP	Algerie	PS	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	-1	-1	-1	a	a	a	a	a	3		
BLT	MED	CP	EU-Italy	UN	t1		531	531	229	229	229	462	462	462	2328	974	1309	627			74		74	37	55	849												4	6.90	52.42
BLT	MED	CP	EU-Italy	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												4		
BLT	MED	CP	EU-España	PS	t1																							912	881	1978	523	793	879	417	119	868	5	5.37	57.79
BLT	MED	CP	EU-España	PS	t2																							ab	b	b	ab	ab	a	ab	a	ab		5		
BLT	MED	CP	Maroc	GN	t1		1532	566	1673	555	629	463	536	232	621	246	96	5		1	7	8	6														6	5.23	63.02
BLT	MED	CP	Maroc	GN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1														6		
BLT	MED	CP	Tunisie	UN	t1		13	14	13	32	93	45	15	2300	932	989	1760																				7	4.52	67.54
BLT	MED	CP	Tunisie	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																				7		
BLT	MED	CP	EU-Greece	PS	t1				26	26			196	125	120	246	226	180	274	157	620	506	169	129	118	155	108	311	207	181	294	513	262	139	273	309	8	4.28	71.83
BLT	MED	CP	EU-Greece	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	-1	-1	8		
BLT	MED	CP	Algerie	LL	t1												99	156	111	39		20	10	127	103	132	109	124	27	39	20	543	64	95	3229	675	9	4.17	76.00
BLT	MED	CP	Algerie	LL	t2												-1	-1	-1	-1		-1	-1	a	a	a	a	a	-1	-1	-1	a	a	a	a	ab	9		
BLT	MED	CP	EU-Greece	UN	t1		1400	1400	1400	1400																											10	4.08	80.08
BLT	MED	CP	EU-Greece	UN	t2		-1	-1	-1	-1																											10		
BLT	MED	CP	EU-España	TP	t1		422	239	334	196	266	142	612	111	176		18	74	104	124	120	39	128	156	236	135	114	87	120	224	180	71	81	128	93	11	3.45	83.53
BLT	MED	CP	EU-España	TP	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	abc	abc	a	ac	ab	ab	ab	b	ab	ab	ab	a	ab	ab	ab		11		
BLT	MED	CP	Tunisie	PS	t1																		940	935	938	920	13	23	26	136	67	91	139	147	162	12	3.31	86.84
BLT	MED	CP	Tunisie	PS	t2																		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	12		
BLT	MED	CP	Algerie	UN	t1		14	11	10	5	15	9	17	22	27		41				1134	567	851														13	1.98	88.82
BLT	MED	CP	Algerie	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1		-1				-1	-1	-1														13		
BLT	MED	CP	EU-Italy	GN	t1															100		693	346	520	433				136		326	1	2	2	0		14	1.86	90.68
BLT	MED	CP	EU-Italy	GN	t2															-1		-1	-1	-1	-1				-1		-1	-1	-1	-1	-1		14		
BLT	MED	CP	EU-Italy	PS	t1														133	47	222	39	130	84	107	32			731		434	24	2	12	13	12	15	1.47	92.16
BLT	MED	CP	EU-Italy	PS	t2														-1	-1	-1	-1	-1	-1	-1	-1			-1	b	ab	ab	a	-1	-1		15		
BLT	MED	CP	Maroc	HL	t1												78	9	9	5	10	10	16	4	11	17	97	723	155		265	30	58	55	31	26	16	1.17	93.33
BLT	MED	CP	Maroc	HL	t2												-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	16		
BLT	MED	CP	EU-Italy	HL	t1											124	489	510	239																		17	0.99	94.32
BLT	MED	CP	EU-Italy	HL	t2										-1	-1	-1	-1																			17		
BLT	MED	CP	Maroc	LL	t1												97	20	188	28	60	104	187	143	113	160	6	52	30		66	8	15	14	8	6	18	0.95	95.27
BLT	MED	CP	Maroc	LL	t2												-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	18		
BLT	MED	CP	Maroc	TP	t1		194	55		7	478	210	227	24																						19	0.87	96.14
BLT	MED	CP	Maroc	TP	t2		-1	-1		-1	-1	-1	-1	-1																						19		
BLT	MED	CP	Maroc	PS	t1						33	9					55	16	2	1	6	214	316	90	70	60	68	36	15		111	12	24	23	13	11	20	0.86	97.01
BLT	MED	CP	Maroc	PS	t2						-1	-1					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	20		
BLT	MED	CP	EU-Italy	TW	t1																	0	0			0	1		726		179	1	0	0	0		21	0.66	97.67
BLT	MED	CP	EU-Italy	TW	t2																	-1	-1			-1	-1		-1		-1	-1	-1	-1	-1		21		

Table 1-d. SCRS catalogue: BON(AT) (Sarda sarda)

Score: 2.41

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	6037	6030	7939	10340	15523	9143	5179	5400	8208	3307	4584	4391	9648	6381	6772	13691	16338	22341	8959	6482	4640	6712	10930	10959	11093	23931	17458	21817	36026	31960	Rank	%	%cum
							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	2022	2023			
BON	ATL	CP	Mauritania	TW	t1														1296	818	1823	2363	6861	9432	3159	488	1022	2487	4790	1496	1742	1902	4945	4760	10727	4792	1	18.43	18.43
BON	ATL	CP	Mauritania	TW	t2														-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2		
BON	ATL	CP	Mexico	LL	t1		674	1144	1312	1312	1632	1861	1293	1113	1032	1238	1066	654	1303	1188	1113	1063	1046	1080	1447	1534	1115	1110	1188	1361	1440	1258	954	693	430	692	3	9.75	28.18
BON	ATL	CP	Mexico	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	-1	-1	4		
BON	ATL	CP	Senegal	GN	t1		395	397	862	617	689	850	183	417	435	112	134	330	707	480	700	2854	1505	2555	998	429	999	1372	473	300	840	2982	1283	2911	2687	1968	5	8.93	37.11
BON	ATL	CP	Senegal	GN	t2		ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	ab	b	b	-1	b	-1	-1	-1	-1	6		
BON	ATL	CP	Maroc	PS	t1		561	659	861	1224	1479	1334	1987	1610	1936	863	936	67	102	81	120	945	61	12	24	11	1	9	170	317	971	1363	1313	1088	2533	4311	7	7.65	44.76
BON	ATL	CP	Maroc	PS	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	a	-1	-1	-1	-1	-1	-1	a	a	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	8		
BON	ATL	CP	Maroc	LL	t1													535	996	538	806	909	22	88	140	60	62	102	420	650	1814	2499	2407	1987	4625	7871	9	7.53	52.30
BON	ATL	CP	Maroc	LL	t2							a			a	a	a	a	a	a	a	a	a	ab	b	bc	abc	b	b	b	b	-1	-1	-1	-1	a	10		
BON	ATL	CP	Russian Federation	TW	t1						4960			574	1441	461	16	79	316	259	52	368	1042	2293	848	125	416	308	850	666	573	617	1281	908	6969	732	6	7.43	59.72
BON	ATL	CP	Russian Federation	TW	t2						-1			-1	-1	-1	-1	-1	-1	-1	-1	-1	abc	abc	abc	abc	abc	ab	ab	ab	ab	abc	abc	abc	abc	abc	11		
BON	ATL	CP	Maroc	HL	t1														246	239	178	282	478	16	16	71	18	27	63	260	450	1296	1817	1750	1441	3353	5706	7	5.03	64.75
BON	ATL	CP	Maroc	HL	t2											a		-1	-1	-1	-1	-1	-1	-1	b	a	ab	a	ab	a	ab	b	ab	ab	ab	ab	12		
BON	ATL	CP	EU-Latvia	TW	t1		3	19	301	887	318		416	396	639								1019	2231	34	48	29					6604	518	522	1414	712	8	4.57	69.32
BON	ATL	CP	EU-Latvia	TW	t2		-1	-1	-1	-1	-1		-1	-1	-1								-1	-1	-1	-1	-1					-1	-1	-1	-1	-1	9		
BON	ATL	CP	Côte d'Ivoire	GN	t1							0	0	0			3		2		3	13	0	3		17	3	4	6	3510	42	2725	1757	5098	687	374	9	4.04	73.37
BON	ATL	CP	Côte d'Ivoire	GN	t2							a	a	a			a		a	a	a	a	ab	ab		ab	ab	ab	a	ab	-1	a	-1	-1	a	a	10		
BON	ATL	CP	Senegal	TR	t1		353	307	130	584	743	1610	71	103	155	76	30	137	1575	498	634	1138	105	213	221		33		350	209							10	2.63	76.00
BON	ATL	CP	Senegal	TR	t2		ab	ab	a	ab	a	a	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	b	b	b	b						11		
BON	ATL	CP	Venezuela	UN	t1		1646	1646	1348	1348	1647	1596																									11	2.62	78.62
BON	ATL	CP	Venezuela	UN	t2		-1	-1	-1	-1	-1	-1																									12		
BON	ATL	NCO	Ukraine	TW	t1				342	2786	1918	1114	399	231	656	30																					12	2.12	80.74
BON	ATL	NCO	Ukraine	TW	t2				-1	-1	-1	-1	-1	-1	-1	-1																					13		
BON	ATL	CP	Senegal	HL	t1		65	27	20	88	781	96	31	24	31	8	19	17	22	42	38	38	66	109	234	85	184	339	758	717	856	1000	96		288	492	13	1.87	82.61
BON	ATL	CP	Senegal	HL	t2		ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	ab	b	b	-1	b	-1		-1	-1	14		
BON	ATL	CP	EU-Netherlands	TW	t1															344	539	539		2047	104	1075	54	11	124	79	39	91	71	82	146	77	14	1.54	84.15
BON	ATL	CP	EU-Netherlands	TW	t2															a	-1	a		-1	a	-1	a	-1	a	-1	-1	-1	-1	a	a	a	15		
BON	ATL	NCO	Togo	GN	t1													1583	1215	2298																	15	1.45	85.60
BON	ATL	NCO	Togo	GN	t2												-1	-1	-1																		16		
BON	ATL	CP	EU-France	UN	t1		990	990	610	610	610	24								42	33	4	17	6	10	1	170	5	10	6	21	1	0	0	0	0	16	1.18	86.78
BON	ATL	CP	EU-France	UN	t2		-1	-1	-1	-1	-1	-1								-1	-1	-1	-1	-1	-1	-1	ab	-1	-1	a	-1	a		-1	a	a	a	17		
BON	ATL	CP	EU-Lithuania	TW	t1										793															78	686	385	596	138	903	313	17	1.10	87.88
BON	ATL	CP	EU-Lithuania	TW	t2										-1															-1	-1	-1	-1	-1	-1	-1	18		
BON	ATL	CP	Angola	TP	t1		20	9	10	16		2	118	118	118					0		1458	1484	97	198	8	2										19	1.04	88.92
BON	ATL	CP	Angola	TP	t2		-1	-1	-1	-1		-1	-1	-1	-1					-1		-1	-1	-1	-1	-1											20		
BON	ATL	CP	Trinidad and Tobago	UN	t1		703	169	266	220	30	117	117	56	452	188	280	81	7	16	38	68	68	14	9	16	16		16	16	16	16	16	16	16	16	21	0.87	89.79
BON	ATL	CP	Trinidad and Tobago	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	-1	a	a	a	a	a	-1		-1	-1	-1	-1	-1	-1	-1	-1	22		
BON	ATL	CP	EU-Portugal	PS	t1		3	22	21	3	9	22	38	20	2	2	8	3	101	64	60	28	166	195	213	123			213	209	147	262	85	182	80	582	23	0.81	90.60
BON	ATL	CP	EU-Portugal	PS	t2		ab	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1			a	a	a	a	a	a	a	a	a	24		
BON	ATL	CP	Curaçao	TW	t1																		539	539	539	539											25	0.61	91.21
BON	ATL	CP	Curaçao	TW	t2																		-1	-1	-1	-1											26		
BON	ATL	CP	Maroc	GN	t1		19	26	29	30	78	41	150	84	81	64	47	400	309	142	204	185	1													27	0.54	91.75
BON	ATL	CP	Maroc	GN	t2		-1	a	a	a	a	a	a	a	a	a	a	a	a	a	ab	a	a	a	b												28		
BON	ATL	CP	USA	RR	t1		35	29	79	98	35	29	81	64	115	13	28	13	15	33	15	6	10	147	75	55	63	64	13	9	153	78	112	55	168	150	29	0.52	92.27
BON	ATL	CP	USA	RR	t2		ab	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	ab	ab	ab	30		
BON	ATL	CP	EU-Portugal	UN	t1		21	35	31	11	24	19	67	20	13	6	19	ab	0	112	80	226	216	97	45			325	144	56	44	49	34	43	98	31	0.52	92.79
BON	ATL	CP	EU-Portugal	UN	t2		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1	-1			a	a	a	a	a	a	a	a	32		
BON	ATL	CP	Mauritania	GN	t1														8	12	24	16	25	23	35	22	18		136	42	49	20	53	527	98	696	33	0.51	93.30
BON	ATL	CP	Mauritania	GN	t2														-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	34		
BON	ATL	CP	S Tomé e Príncipe	PS	t1																	145	147	149	153	158	162	267	207	211	2						35	0.45	93.76
BON	ATL	CP	S Tomé e Príncipe	PS	t2																	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						36		
BON	ATL	CP	Gambia	LL	t1																														724	732	37	0.41	94.17
BON	ATL	CP	Gambia	LL	t2																														-1	-1	38		
BON	ATL	CP	Angola	HL	t1													12		931		56	57	4	8	288			0				2	1			39	0.39	94.56
BON	ATL	CP	Angola	HL	t2													-1		-1		-1	-1	-1	-1				-1				-1	-1			40		
BON	ATL	CP	EU-France	GN	t1								14		17					79	22	9	62	84	33	147	1	201	198	157	85	57	33	40	19	36	41	0.37	94.93
BON	ATL	CP	EU-France	GN	t2								-1		-1					-1	-1	-1	-1	-1	-1	-1	a	-1	-1	ab	-1	ab	-1	a	ab	ab	42		
BON	ATL	NCO	Togo	UN	t1		254	145	197	197	197	197																									43	0.34	95.26
BON	ATL	NCO	Togo	UN	t2		-1	-1	-1	-1	-1	-1																									44		
BON	ATL	CP	Côte d'Ivoire	HL	t1																															1146	45	0.33	95.59
BON	ATL	CP	Côte d'Ivoire	HL	t2																								b						-1		46		
BON	ATL	CP	Angola	TW	t1																												3	4		1064	47	0.30	95.89
BON	ATL	CP	Angola	TW	t2																												-1	-1	a		48		
BON	ATL	CP	Côte d'Ivoire	LL	t1																															215	49	0.28	96.17
BON	ATL	CP	Côte d'Ivoire	LL	t2																		755												a		50		
BON	ATL	CP	Angola	PS	t1																		-1													4	51	0.27	96.44
BON	ATL	CP	Angola	PS	t2																	429	437	29	58											-1	52		
BON	ATL	CP	Angola	GN	t1																	-1	-1	-1	-1												53		
BON	ATL	CP	Angola	GN	t2													36				19	19	1	3	837			3	2							54	0.26	96.70
BON	ATL	NCO	Argentina	TW	t1				2	110	11	28	19	235	0	129	269	10					-1	-1	-1	-1			-1	-1							55		
BON	ATL	NCO	Argentina	TW	t2				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					6	0	0	0											56	0.23	96.93
BON	ATL	CP	USA	GN	t1		43		70	68	30	35	48	36	15	25	28	41	8	48	21	19	-1	a	a	-1											57		
BON	ATL	CP	USA	GN	t2		-1		-1	-1	b	b	b	-1	b	-1	b	-1	-1	-1	-1	-1	21	23	10	8	29	24	26	36	29	20	20	8	5	15	58	0.23	97.16
BON	ATL	CP	EU-Germany	UN	t1				714														-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59		
BON	ATL	CP	EU-Germany	UN	t2				-1																												60	0.20	97.37
BON	ATL	CP	EU-Portugal	LL	t1		1	7	5	2	4	1		3	6	0		16	196	365	32	9	1	2	1				0	0	7	4	1	0	0	0	61	0.19	97.56
BON	ATL	CP	EU-Portugal	LL	t2		a	a	a	a	a	a		a	a	a		a	a	a	a	a	a	a	-1				a	a	a	a	a	a	a	a	62		

Table 1-e. SCRS catalogue: BON(MD) (Sarda sarda)

Score: 0.68

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	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	2022	2023	Rank	%	%cum
BON	MED	CP	Türkiye	PS	t1	15682	10093	8944	10284	7810	24000	17900	12000	13460	6286	6000	5701	70797	29690	5965	6448	7036	9401	10019	35764	13158	19032	4573	39460	7578	30920	660	16701	1490	41403	1208	1	72.90	72.90
BON	MED	CP	Türkiye	PS	t2	15189	-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	-1	-1	1		
BON	MED	CP	EU-Italy	UN	t1	17195	1828	1512	2233	2233	2233	4159	4159	4159	4579	1067	1112	814			740	76	602	543		1039	442	69	110	28	220	3					2	5.23	78.13
BON	MED	CP	EU-Italy	UN	t2	14078	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	b	b	b		-1	-1	abc	a		abc	ab	-1	-1	-1	-1	-1					2		
BON	MED	CP	EU-Greece	PS	t1	29730	1581	2116	1752	1559	945	2135	1914	1550	1420	1538	1321	1390	845	1123	587	476	531	798	733	960	678	691	700	399	641	422	342	269	659	213	3	4.66	82.79
BON	MED	CP	EU-Greece	PS	t2	28170	-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	-1	-1	3		
BON	MED	CP	Tunisie	PS	t1	21972																		1425	1415	1413	1407	867	1290	1993	1986	2079	2612	2498	1832	3350	4	3.72	86.51
BON	MED	CP	Tunisie	PS	t2	22237																		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	4		
BON	MED	CP	Türkiye	GN	t1	15717																										915	5932	1098	8180	829	5	2.61	89.12
BON	MED	CP	Türkiye	GN	t2	11117																										-1	-1	-1	-1	-1	5		
BON	MED	CP	Tunisie	UN	t1	11248	305	413	560	611	855	1350	1528	1183	1112	848	1251																				6	1.54	90.66
BON	MED	CP	Tunisie	UN	t2	74376	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																				6		
BON	MED	CP	EU-España	UN	t1	32303	341	624	681	619	313	419	321	327	448	544	272	202	420	508	453	225	457	539	420	807	520	173	103			101		0	0	0	7	1.51	92.17
BON	MED	CP	EU-España	UN	t2	9247	a	a	a	a	a	-1	a	a	a	-1	-1	-1	a	a	a	a	a	a	a	ab	a	a	ab			a	a	a	a	a	7		
BON	MED	CP	Algerie	PS	t1	10042	332	377	219	284	389	376	346	292	361		317	298	340	585		293	146	213	218	392	351	427	300	395	527	208	214	404		589	8	1.41	93.58
BON	MED	CP	Algerie	PS	t2	10019	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1		-1	-1	a	a	a	a	a	-1	-1	-1	a	a	a		a	8		
BON	MED	CP	Egypt	PS	t1	12584		697	985	725	724	1442	1442	1128	1128																						9	1.27	94.86
BON	MED	CP	Egypt	PS	t2	14442		-1	-1	-1	-1	-1	-1	-1	-1																						9		
BON	MED	CP	EU-Italy	LL	t1	39321										995	874	523	40	44	243	909	160	420		206	118	60	18	68	38	20	61	24	32	40	10	0.75	95.61
BON	MED	CP	EU-Italy	LL	t2	18365										b		-1	b	-1	-1	-1	abc	-1		abc	ab	ab	ab	ab	b	ab	ab	ab	ab	ab	-1	10		
BON	MED	CP	Algerie	LL	t1	23352											126	111	310	292		146	73	140	126	216	152	278	150	193	282	93	96	76	1216	252	11	0.67	96.28
BON	MED	CP	Algerie	LL	t2	8993											-1	-1	-1	-1		-1	-1	a	a	a	a	a	-1	-1	-1	a	a	a	a	a	11		
BON	MED	CP	EU-Italy	PS	t1	43938													512	181	339	146	202	233	472		494	283	215	204	119	169	152	98	110	69	12	0.61	96.89
BON	MED	CP	EU-Italy	PS	t2	11798												b	b	b	-1	-1	abc		-1	abc		-1	-1	ab	b	ab	ab	ab	b	ab	12		
BON	MED	CP	EU-España	PS	t1	35491																						269	188	168	212	312	162	144	1818	171	13	0.53	97.42
BON	MED	CP	EU-España	PS	t2	5745												a										ab	ab	b	ab	ab	a	ab	a	ab	13		
BON	MED	CP	EU-Italy	GN	t1	27160														386								270	187		201	382	339	343	319	322	14	0.42	97.84
BON	MED	CP	EU-Italy	GN	t2	6728							b	b		b	b	b		b								-1	-1		-1	-1	-1	-1	-1	-1	14		

Table 1-f. SCRS catalogue: BOP(AT) (Orcynopsis unicolor)

Score: 1.23

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	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	2022	2023	Rank	%	%cum
BOP	ATL	CP	Maroc	PS	t1	615	595	523	1992	215	28	595	995	813	776	705	300	116		54	33	50	60	40	120	95	13	183	14	70	6	8	9	26	14		1	52.28	52.28
BOP	ATL	CP	Maroc	PS	t2	588	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		a	-1	a	a	a	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1		
BOP	ATL	CP	Maroc	LL	t1	2064											201	13		578	357	220	135	114	345	320	167	198	286	130	11	15	18	49	26	31	2	19.90	72.18
BOP	ATL	CP	Maroc	LL	t2	254	a				a		a	a	a	a	a	a	a	a	a	a	a	a	-1	-1	a	-1	-1	-1	-1	-1	-1	-1	-1	-1	2		
BOP	ATL	CP	Maroc	HL	t1	47												2	1					59	177	140	687	732	365	250	21	30	35	95	51	60	3	16.74	88.91
BOP	ATL	CP	Maroc	HL	t2	651											-1	-1						-1	a	a	a	a	a	a	a	-1	-1	a	-1	-1	3		
BOP	ATL	CP	Senegal	GN	t1	1062	9	30	53	1	3	6	4	5	4	4	14	57	27	235	29	148	40	112	13	61	63	29					22	7	14	4	6.13	95.05
BOP	ATL	CP	Senegal	GN	t2	858	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a					-1	-1	-1	-1	4		
BOP	ATL	CP	Senegal	HL	t1	786	7	33	7	4	10	18	10	19	1	1	55	16	1	4	4	10	13	1	1	23	9	19	78	72	66	66		0	1	1	5	3.41	98.46
BOP	ATL	CP	Senegal	HL	t2	713	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	-1	-1	-1	-1		-1	-1	-1	5		
BOP	ATL	CP	Maroc	GN	t1	573	3	1	11	31		31	53	17	4	1				2	1	3	4														6	1.00	99.46
BOP	ATL	CP	Maroc	GN	t2	215	-1	a	a	a	a	a	-1	a	a	a	a	a	a	a	a	a	a														6		
BOP	ATL	CP	EU-Portugal	LL	t1	32												5	3	1		10	20	4	1	1						0	0	0	0	0	7	0.28	99.74
BOP	ATL	CP	EU-Portugal	LL	t2	875												a	a	a		a	a	a	-1	-1						a	a	a	a	a	7		
BOP	ATL	CP	Senegal	TR	t1	426		0	0				0	3	0	1	1	5	0	0				2													8	0.08	99.82
BOP	ATL	CP	Senegal	TR	t2	442		-1	-1				-1	-1	-1	-1	-1	-1	-1	-1				-1			a										8		
BOP	ATL	CP	EU-Portugal	UN	t1	273														0	2	1	3			1						0	1	1	0	1	9	0.06	99.88
BOP	ATL	CP	EU-Portugal	UN	t2	335												a	a	a	a	a	a	a		-1						a	a	a	a	a	9		
BOP	ATL	NCO	Benin	HS	t1	657	1	1	1	3	1	1																									10	0.06	99.93
BOP	ATL	NCO	Benin	HS	t2	641	-1	-1	-1	-1	-1	-1																									10		
BOP	ATL	CP	Senegal	UN	t1	939		0			4	0	0	1			0	0	0	1																	11	0.03	99.97
BOP	ATL	CP	Senegal	UN	t2	1161		-1			-1	-1	-1	-1			-1	-1	-1	-1																	11		
BOP	ATL	CP	EU-Portugal	PS	t1	743												0	0	0		0	0	0	0	0						0	0	0	0	0	12	0.01	99.98
BOP	ATL	CP	EU-Portugal	PS	t2	522												a	a	a		-1	a	a	-1	-1						a	a	a	a	a	12		
BOP	ATL	CP	Maroc	TP	t1	104												2																			13	0.01	99.99
BOP	ATL	CP	Maroc	TP	t2	119												-1	a																		13		
BOP	ATL	CP	Senegal	LL	t1	63																												1			14	0.00	100.00
BOP	ATL	CP	Senegal	LL	t2	193																												-1			14		
BOP	ATL	CP	EU-Portugal	GN	t1	99																										0	0	0	0	0	15	0.00	100.00
BOP	ATL	CP	EU-Portugal	GN	t2	107																										a	a	a	a	a	15		
BOP	ATL	CP	EU-Portugal	TP	t1																			0												0	16	0.00	100.00
BOP	ATL	CP	EU-Portugal	TP	t2																			a												a	16		
BOP	ATL	CP	EU-Portugal	TN	t1																												0	0	0	0	17	0.00	100.00
BOP	ATL	CP	EU-Portugal	TN	t2																												a	a	a	a	17		
BOP	ATL	CP	EU-France	TN	t1																										0						18	0.00	100.00
BOP	ATL	CP	EU-France	TN	t2																										-1						18		
BOP	ATL	CP	EU-Portugal	TW	t1																											0			0	0	19	0.00	100.00
BOP	ATL	CP	EU-Portugal	TW	t2																											a			a	a	19		

Table 1-g. SCRS catalogue: BOP(MD) (Orcynopsis unicolor)

Score: 0.00

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	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	2022	2023	Rank	%	%cum
BOP	MED	CP	Tunisie	PS	t1	176										23	8	2	0	172	107	6	14	42	24	21	13	1078	62	38	22	52	43	27	47	138	1	41.38	41.38
BOP	MED	CP	Tunisie	PS	t2																			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1		
BOP	MED	CP	Algerie	GN	t1	115		108	78	91	197	109	179	122	130	113																					2	33.42	74.81
BOP	MED	CP	Algerie	GN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																						2		
BOP	MED	CP	Maroc	LL	t1	132														168	104	4	10	10	5	5	2	2	7	1	1	1	6	2			3	9.73	84.54
BOP	MED	CP	Maroc	LL	t2	-1														-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		3		
BOP	MED	CP	Algerie	UN	t1	227	45	14	28	27	19	37	13	15	15																						4	6.32	90.86
BOP	MED	CP	Algerie	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																						4		
BOP	MED	CP	Maroc	GN	t1	130	23	23	13	3	2	1	10	9	9	9	4																				5	3.14	94.00
BOP	MED	CP	Maroc	GN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																				5		
BOP	MED	CP	Maroc	HL	t1	217											2							9	4	5	5	4	21	2	5	4	23	7	0		6	2.65	96.65
BOP	MED	CP	Maroc	HL	t2	-1											-1							-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		6		
BOP	MED	CP	Maroc	PS	t1	145										11	1	1		4	3	2	4	11	6	6	1	2	5	1	1	1	7	2	0		7	2.02	98.67
BOP	MED	CP	Maroc	PS	t2	-1										-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		7		
BOP	MED	CP	Algerie	LL	t1	154																		8	7	3	2	1	0	1	0	1	0		4	5	8	0.96	99.62
BOP	MED	CP	Algerie	LL	t2	a	a	a	a	a	a	a	a	a	a									a	a	a	a	a	-1	-1	-1	-1	a		a	a	8		
BOP	MED	CP	Algerie	PS	t1	137																		1	0	0	1	1	2	0	0	0	0				9	0.21	99.83
BOP	MED	CP	Algerie	PS	t2	a	a	a	a	a	a	a	a	a	a									a	a	-1	a	a	-1	-1	-1	a	a			a	9		
BOP	MED	CP	Tunisie	UN	t1	23										3	1																				10	0.12	99.95
BOP	MED	CP	Tunisie	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																				10		
BOP	MED	CP	EU-France	GN	t1	8																0		0		0	0										11	0.03	99.97
BOP	MED	CP	EU-France	GN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							-1		-1		-1	-1										11		
BOP	MED	CP	EU-Portugal	LL	t1	2												1																				12	0.02	100.00
BOP	MED	CP	EU-Portugal	LL	t2	a	a	a	a	a	a	a	a	a	a		a	a																			12		
BOP	MED	CP	Algerie	TW	t1	24																				0		0	0		0						13	0.00	100.00
BOP	MED	CP	Algerie	TW	t2	a	a	a	a	a	a	a	a	a	a											a	a	a	-1		-1	a					13		
BOP	MED	CP	EU-France	TN	t1	0																					0										14	0.00	100.00
BOP	MED	CP	EU-France	TN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												-1										14		
BOP	MED	CP	EU-France	TR	t1	0																0															15	0.00	100.00
BOP	MED	CP	EU-France	TR	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							-1															15		

Table 1-h. SCRS catalogue: BRS(AT) (Scomberomorus brasiliensis)

Score: 0.92

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	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	2022	2023	Rank	%	%cum	Σ
BRS	ATL	CP	Trinidad and Tobago	UN	t1	7161	2130	1816	1568	1699	2130	1328	1722	2207	2472	1867	2103	2720	1778	1414	1472	1498	1498	926	475	695	695		695	695	695	695	695	695	695	695	1	40.41	40.41	39770
BRS	ATL	CP	Trinidad and Tobago	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	-1	a	a	a	a	a	a		-1	-1	-1	-1	-1	-1	-1	-1	1			
BRS	ATL	CP	Venezuela	UN	t1	7006	3882	3882	3609	3609	3651	1766	1766	1766	1766																						2	26.11	66.52	25697
BRS	ATL	CP	Venezuela	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																						2			
BRS	ATL	CP	Brazil	UN	t1	8435	1149	1308	3047	2125	1516	1516	988	229	3071	2881	814	471	1432	563	1521	1042															3	24.05	90.57	23673
BRS	ATL	CP	Brazil	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															3			
BRS	ATL	NCC	Guyana	GN	t1	8004			211	571	625	1143	308	329	441	389	494	521	377	277	312	141	92	116	124	151		387	399	308	313							4	8.16	98.73	8029
BRS	ATL	NCC	Guyana	GN	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						4			
BRS	ATL	NCC	Suriname	TW	t1	7923																										288	78	12	293	310	5	1.00	99.73	981
BRS	ATL	NCC	Suriname	TW	t2	5754																										a	a	a	a	a	5			
BRS	ATL	CP	Brazil	BB	t1	4785																										92					6	0.09	99.82	92
BRS	ATL	CP	Brazil	BB	t2	4553																										-1					6			
BRS	ATL	NCC	Chinese Taipei	LL	t1	7750																				2	1	1	29	29							7	0.06	99.88	61
BRS	ATL	NCC	Chinese Taipei	LL	t2	5137																				-1	-1	-1	-1	-1							7			
BRS	ATL	CP	Brazil	LL	t1	3410																		3		0	2	1	1	1	1	43					8	0.05	99.93	51
BRS	ATL	CP	Brazil	LL	t2	3712																		-1		-1	-1	-1	-1	-1	-1	-1					8			
BRS	ATL	CP	Brazil	PS	t1	3587								22																						3	9	0.03	99.96	25
BRS	ATL	CP	Brazil	PS	t2	2253								-1																						-1	9			
BRS	ATL	CP	Trinidad and Tobago	LL	t1	3305																		9	14	0											10	0.02	99.98	24
BRS	ATL	CP	Trinidad and Tobago	LL	t2	2681																		-1	-1	-1											10			
BRS	ATL	CP	Brazil	HL	t1	1590																				6										5	11	0.01	99.99	11
BRS	ATL	CP	Brazil	HL	t2	1055																				-1										-1	11			
BRS	ATL	CP	Grenada	LL	t1	613					1	1	1	0																		0					12	0.00	100.00	3
BRS	ATL	CP	Grenada	LL	t2	853					-1	-1	-1	-1																		-1					12			
BRS	ATL	CP	Trinidad and Tobago	RR	t1	698										0	0				0	0	0	1	0	0	0		0	0	0	0				0	13	0.00	100.00	1
BRS	ATL	CP	Trinidad and Tobago	RR	t2	389										-1	a				a	a	a	-1	a	a	a	a	a	a	a	a				-1	13			
BRS	ATL	CP	Angola	PS	t1	1124																										1					14	0.00	100.00	1
BRS	ATL	CP	Angola	PS	t2	1032																									-1						14			
BRS	ATL	CP	EU-France	GN	t1	1010																										0					15	0.00	100.00	0
BRS	ATL	CP	EU-France	GN	t2	1118																										-1					15			
BRS	ATL	CP	Grenada	TR	t1	773																										0	0				16	0.00	100.00	0
BRS	ATL	CP	Grenada	TR	t2	707																										-1	-1				16			

Table 1-i. SCRS catalogue: CER(AT) (Scomberomorus regalis)

Score: 0.00

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	490	429	280	251	251	1	4	6	1	2	1	1	1	0	0	0	0	2	0	0	1	1	0	1	1	1	0	0	0	0	Rank	%	%cum
						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	2022	2023					
CER	ATL	CP	EU-France	UN	t1	400	400	250	250	250																										1	89.86	89.86
CER	ATL	CP	EU-France	UN	t2	-1	-1	-1	-1	-1																										1		
CER	ATL	NCO	Dominican Republic	UN	t1	90	29	29																												2	8.58	98.44
CER	ATL	NCO	Dominican Republic	UN	t2	-1	-1	-1																												2		
CER	ATL	NCO	Sta Lucia	HL	t1							3	5	1																						3	0.53	98.97
CER	ATL	NCO	Sta Lucia	HL	t2							-1	-1	-1																						3		
CER	ATL	NCO	Sta Lucia	TR	t1										2	0	1	0	0		0	0	1	0	0	0	1	0	0		1	0	0	0	0	4	0.39	99.36
CER	ATL	NCO	Sta Lucia	TR	t2										-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	4		
CER	ATL	CP	St Vincent and Grenadines	UN	t1	0		1	1	1	1	1	0																							5	0.30	99.65
CER	ATL	CP	St Vincent and Grenadines	UN	t2	-1		-1	-1	-1	-1	-1	-1																							5		
CER	ATL	NCO	Dominica	UN	t1													1					0			0	0	0	0	0	0	0				6	0.12	99.77
CER	ATL	NCO	Dominica	UN	t2													a			a		a			-1	-1	-1	a	a	a	a				6		
CER	ATL	CP	St Vincent and Grenadines	TR	t1									0	0	0		0				0	1		0											7	0.11	99.88
CER	ATL	CP	St Vincent and Grenadines	TR	t2									-1	-1	-1		-1				-1	-1		-1											7		
CER	ATL	NCO	Dominica	TR	t1												0	0		0	0		0			0	0		0		0					8	0.04	99.93
CER	ATL	NCO	Dominica	TR	t2												-1	a		a	a		a			-1	-1		a		a					8		
CER	ATL	CP	Grenada	LL	t1																						0	0	0	0						9	0.03	99.95
CER	ATL	CP	Grenada	LL	t2																						-1	-1	-1	-1						9		
CER	ATL	NCO	Sta Lucia	UN	t1			0	0																											10	0.02	99.97
CER	ATL	NCO	Sta Lucia	UN	t2			-1	-1																											10		
CER	ATL	NCO	Dominica	HL	t1													0	0	0	0					0	0	0	0	0	0	0				11	0.02	99.98
CER	ATL	NCO	Dominica	HL	t2													a	a	a	a					-1	-1	-1	a	a	a	a				11		
CER	ATL	CP	EU-France	LL	t1																						0									12	0.01	99.99
CER	ATL	CP	EU-France	LL	t2																						-1									12		
CER	ATL	NCO	Dominica	GN	t1													0					0			0		0								13	0.00	99.99
CER	ATL	NCO	Dominica	GN	t2													a		-1			a			-1		-1								13		
CER	ATL	CP	EU-France	TP	t1																		0													14	0.00	100.00
CER	ATL	CP	EU-France	TP	t2																		-1													14		
CER	ATL	CP	Grenada	TR	t1																						0	0		0					0	15	0.00	100.00
CER	ATL	CP	Grenada	TR	t2																						-1	-1		-1					-1	15		
CER	ATL	NCO	Jamaica	HL	t1																								0	0						16	0.00	100.00
CER	ATL	NCO	Jamaica	HL	t2																								-1	-1						16		
CER	ATL	NCO	Dominica	TP	t1																											0				17	0.00	100.00
CER	ATL	NCO	Dominica	TP	t2																											a				17		

Table 1-j. SCRS catalogue: COM(MD) (Scomberomorus commerson)

Score: 0.00

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	688	1081	1398	1032	1164	1110	1007	1166	1941	1769	1634	1033	1101	1622	1861	1932	1670	987	645	540	752	828	1089	1183	1192	880	68	135	71	0	Rank	%	%cum
						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	2022	2023					
COM	MED	CP	Egypt	UN	t1	270	530	1071	594	576	562	548	778	1301	903	986	426	1087	1564	1810	1689	1578	939	494	478	658	699	895	1019	1017	696					1	73.36	73.36
COM	MED	CP	Egypt	UN	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		
COM	MED	CP	Algerie	UN	t1	418	506	277	357	511	475	405	350	597	839	609	575																			2	18.74	92.11
COM	MED	CP	Algerie	UN	t2	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																			2		
COM	MED	NCO	Palestine	UN	t1		45	50	81	77	73	54	38	43	27	39	32	14	58	51	154	45	9	17	20	43	38	82	70	64	83	68	135	71		3	5.01	97.12
COM	MED	NCO	Palestine	UN	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		3		
COM	MED	NCO	Israel	UN	t1																89	47	39	134	42	42	42	45	42	42	42					4	1.92	99.04
COM	MED	NCO	Israel	UN	t2																-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1					4		
COM	MED	NCO	Lebanon	UN	t1																					9	49	67	52	69	59					5	0.96	100.00
COM	MED	NCO	Lebanon	UN	t2																					-1	-1	-1	-1	-1	-1					5		

Table 1-k. SCRS catalogue: FRI(AT) (Auxis thazard)

Score: 4.72

Species	Stock	Status	FlagName	GearGrp	DSet		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	2022	2023	Rank	%	%cum
			T1 Total				13332	11816	13871	13980	14332	10589	8680	10151	5742	6096	8832	6154	8429	9789	7861	12384	14215	15471	18287	17597	17149	17074	21814	15703	17755	18397	18119	20669	18542	15317			
FRI	ATL	CP	EU-España	PS	t1		4244	4274	5440	4020	3698	3773	3385	4286	1498	2533	2450	1451	1430	2847	2237	3696	4017	3891	7292	3958	4447	3142	4205	2915	2089	2307	1826	2428	2874	2385	1	24.27	24.27
FRI	ATL	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	ab	ab	a	ab	ab	ab	1		
FRI	ATL	CP	EU-France	PS	t1		4146	2423	2906	1662	1794	1836	2333	2175	865	1217	1464	1185	644	684	222	708	1301	962	1426	1694	1629	1239	1452	1317	1661	1526	1030	1627	1962	1372	2	11.38	35.65
FRI	ATL	CP	EU-France	PS	t2		abc	abc	abc	abc	abc	b	abc	abc	abc	abc	abc	abc	b	abc	b	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	2		
FRI	ATL	CP	Curaçao	PS	t1				590	1157	1030	1159	1122	989	710	505	474	29	205	135	521	589	233	374	452	630	1680	1151	1124	1576	1414	750	1071	1589	249	163	3	5.31	40.96
FRI	ATL	CP	Curaçao	PS	t2				ab	ab	ab	a	ab	ab	ab	ab	ab	b	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	a	3		
FRI	ATL	CP	Cape Verde	PS	t1						36			160	97	215	344	435	400	572	735	1482	1138	978	2077	1522	2491	1107	829	310	454	352	257	40	1215	1271	4	4.54	45.50
FRI	ATL	CP	Cape Verde	PS	t2					a	a	a	b	ab	a	ab	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ac	a	a	a	-1	-1	4		
FRI	ATL	CP	Panama	PS	t1		341	328	240	91						12	394	1249	1200	1600	708	699	582	569	621	738	997	292	1356	1572	707	743	941	1152	648	349	5	4.44	49.93
FRI	ATL	CP	Panama	PS	t2		ab	ab	ab	ab	b		b	b	b	-1	ab	ab	ab	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	5		
FRI	ATL	NCO	Mixed flags (EU tropical)	PS	t1															b	b	b	b	b	b	b	b	2277	4422	2317	2979	2793	3060				6	4.37	54.31
FRI	ATL	NCO	Mixed flags (EU tropical)	PS	t2						b	b								b	b	b	b	b	b	b	b	-1	-1	-1	-1	-1	-1				6		
FRI	ATL	CP	Cape Verde	HS	t1																		2031	1648	4772	2000	2128	3523									7	3.94	58.25
FRI	ATL	CP	Cape Verde	HS	t2																		a	a	a	a	ab	a	-1	-1	a	-1	a					7		
FRI	ATL	CP	Senegal	PS	t1		309	309		101																		1098	862	328	210	764	2497	5571		2648	8	3.60	61.85
FRI	ATL	CP	Senegal	PS	t2		-1	-1		-1																		abc	abc	ac	ac	ac	ac	ac	ac	ab	8		
FRI	ATL	CP	Venezuela	UN	t1		2597	2597	2758	2578	1926	1524																									9	3.43	65.28
FRI	ATL	CP	Venezuela	UN	t2		-1	-1	-1	-1	-1	-1																									9		
FRI	ATL	CP	Ghana	PS	t1						33	221	118	39	31		3		1410	1344	878	1901	2580	1462	1840	1651											10	3.31	68.59
FRI	ATL	CP	Ghana	PS	t2					b	ab	a	ab	ab	ab	b	ab		b	b	b	ab	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	10		
FRI	ATL	CP	Mauritania	TW	t1														268	169	377	489	1420	1951	654	101	211	515	991	309	360	394	1023	985	2219	991	11	3.29	71.88
FRI	ATL	CP	Mauritania	TW	t2														-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	11		
FRI	ATL	CP	Maroc	PS	t1		69	510	592	2653	1716	690	539	449	347	194	352	173	11	11	42	3	3	302	230	30	8	18	40	50	1	21	110	46	44	95	12	2.29	74.17
FRI	ATL	CP	Maroc	PS	t2		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	-1	-1	-1	a	a	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	12		
FRI	ATL	CP	Côte d'Ivoire	GN	t1						3	0	1	821	2	31	1356	4	354	541	14	813	161	297	38	2832	261	131	310	81	2	89	178	105	2	38	13	2.07	76.24
FRI	ATL	CP	Côte d'Ivoire	GN	t2						a	a	a	a	a	-1	a	ab	ab	ab	a	a	ab	ab	a	ab	ab	ab	a	ab	-1	a	-1	-1	a	a	13		
FRI	ATL	CP	Cape Verde	HL	t1		4	1		7	18		9	11	181	49		5	2	6	28	18	1	5	5	1195	3195	3195			67	88	86	42	13	14	2.02	78.26
FRI	ATL	CP	Cape Verde	HL	t2		a	ab	ab	ab	ab	ab	a	a	a	a	a	a	a	ab	a	a	a	a	a	a	a	-1		a	-1	a	-1	-1		14		
FRI	ATL	CP	S Tomé e Príncipe	PS	t1								200	200	200	200	234	215	290		275	149	153	298	307	315	324	636	536	467	14	482	521	546	461	471	15	1.84	80.10
FRI	ATL	CP	S Tomé e Príncipe	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	15		
FRI	ATL	CP	El Salvador	PS	t1																							435	793	895	1157	1071	960	964	355	847	16	1.83	81.93
FRI	ATL	CP	El Salvador	PS	t2																							abc	abc	abc	abc	abc	ab	ab	ab	ab	16		
FRI	ATL	CP	Russian Federation	TW	t1						1501	477	12	25	308	56	56	63	6	5	12	113	270	912	113	217	139	249	545	389	430	305	753	153	115	136	17	1.80	83.73
FRI	ATL	CP	Russian Federation	TW	t2						-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	abc	abc	abc	abc	abc	ab	ab	ab	ab	abc	abc	abc	abc	ab	17		
FRI	ATL	CP	Senegal	GN	t1		9	0	0	0	0	7	0	0	0	13	282	124	82	118	313	3	67	172	333	1	21	279						674	4758	42	18	1.79	85.52
FRI	ATL	CP	Senegal	GN	t2		a	a	a	-1	-1	-1	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	a	a	a						-1	-1	-1	18		
FRI	ATL	CP	Ghana	BB	t1														1167	790	618	885	1024	833	629	731											19	1.64	87.16
FRI	ATL	CP	Ghana	BB	t2					b			b						b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	19		
FRI	ATL	CP	Brazil	BB	t1		322	300	524	102	120	166	106	64	292	860	339	299	410	174	134	207	204	278	179	88	120	121	169	325	113	89	21	53	43	17	20	1.53	88.69
FRI	ATL	CP	Brazil	BB	t2		a	a	a	a	a	a	-1	a	a	a	a	a	a	ab	a	a	a	a	a	-1	a	a	a	-1	a	-1	a	a	a	a	20		
FRI	ATL	CP	EU-Latvia	TW	t1																							169	528			3529	272	253	163	422	21	1.31	89.99
FRI	ATL	CP	EU-Latvia	TW	t2																							-1	-1			-1	-1	-1	-1	-1	21		
FRI	ATL	CP	Belize	PS	t1						33		115	87								100	154	71	86	78	143	266	824	586	552	655	585	144	87	281	22	1.19	91.18
FRI	ATL	CP	Belize	PS	t2						a		ab	ab		b						ab	b	b	b	b	ab	ab	ab	bc	-1	a	a	a	a	a	22		
FRI	ATL	CP	Gambia	LL	t1																														2254	1957	23	1.03	92.21
FRI	ATL	CP	Gambia	LL	t2																														-1	-1	23		
FRI	ATL	CP	Guinée Rep	PS	t1				7									168			24	37		270	612	874	1174	677									24	0.94	93.15
FRI	ATL	CP	Guinée Rep	PS	t2				a									-1			-1	-1		-1	ac	ac	ac								a		24		
FRI	ATL	CP	Guatemala	PS	t1													142	75	167	173	134	183	73	213	42	90		71	63	311	249	155	309	804	449	25	0.91	94.06
FRI	ATL	CP	Guatemala	PS	t2											b	b	b	b	abc	abc	abc	abc	abc	b	b	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	25		
FRI	ATL	CP	Venezuela	PS	t1				295	235	201	97	210	394	11	104	182	42	151	50	48	30	201	447	81	128	43	64	70	115	67	26	0	92	6	34	26	0.84	94.90
FRI	ATL	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	26		
FRI	ATL	CP	Russian Federation	PS	t1		405	456	46	500	932										1																27	0.57	95.47
FRI	ATL	CP	Russian Federation	PS	t2		-1	-1	-1	-1	-1									a																	27		
FRI	ATL	CP	Brazil	UN	t1		584	258		2	7				770			148	186						0				1	1	16						28	0.48	95.96
FRI	ATL	CP	Brazil	UN	t2		-1	-1		-1	-1				-1			-1	-1						-1				-1	-1	-1						28		
FRI	ATL	CP	Maroc	HL	t1												5	12	11	9	25	2	5	249	134	10	12	63	65	120	2	57	303	128	122	262	29	0.39	96.35
FRI	ATL	CP	Maroc	HL	t2												-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	-1	-1	-1	-1	-1	a		-1	29		
FRI	ATL	CP	Trinidad and Tobago	UN	t1			56	199	368	127	138	245				414																				30	0.38	96.73
FRI	ATL	CP	Trinidad and Tobago	UN	t2			-1	-1	-1	-1	-1	-1				a																				30		
FRI	ATL	CP	Maroc	GN	t1		50	40	104	9	512	74	90	27	56	38	90	13	4	1	4																31	0.27	97.00
FRI	ATL	CP	Maroc	GN	t2		-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a														32		
FRI	ATL	CP	EU-Netherlands	TW	t1															9	150	90		164	5	85	119	6	90	45	233	13	6	0	9	89	32	0.27	97.27
FRI	ATL	CP	EU-Netherlands	TW	t2															-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	32		
FRI	ATL	CP	Maroc	LL	t1												102	10	8	43	106	4	9	278	190	15	1	8	20	30	1	15	80	34		95	33	0.26	97.53
FRI	ATL	CP	Maroc	LL	t2							a			a	a	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	33		

Table 1-l. SCRS catalogue: KGM(AT) (Scomberomorus cavalla)

Score: 0.98

						T1 Total	14777	14930	17782	19815	16394	17717	16342	15408	17258	15863	12830	11766	8252	17936	7344	7826	11697	10452	10151	9712	11039	9913	10838	11257	11844	10058	14660	8788	8731	17649			
Species	**Stock**	**Status**	**FlagName**	**GearGrp**	**DSet**		**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**	**2022**	**2023**	Rank	%	%cum
KGM	ATL	CP	USA	RR	t1		5878	5246	4731	5933	4732	3660	4448	4358	3952	4619	4619	4619					4574	3913	4289	3694	4063	4114	4455	4541	4755	3262	8508	3482	5151	3198	1	30.54	30.54
KGM	ATL	CP	USA	RR	t2		-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a			-1	a	a	a	a	-1	a	a	a	a	-1	a	a	a	1		
KGM	ATL	CP	Mexico	LL	t1		3097	3214	4661	4661	3583	4121	3688	4200	4453	4369	4564	3447	4201	3526	3113	3186	3040	3130	3090	3335	3019	3281	3130	3233	3825	3231	2505	1821	1003	1776	2	26.09	56.63
KGM	ATL	CP	Mexico	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	-1	-1	2		
KGM	ATL	CP	USA	HL	t1		928	1105	1297	1532	1335	1363	1436	1370	1402	1680	1672	1487	1823	12506	2063	3058	2635	2318	2034	1691	2179	1853	2145	2495	2311	2309	2006	1822	1342	1473	3	16.62	73.25
KGM	ATL	CP	USA	HL	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	-1	-1	3		
KGM	ATL	CP	Brazil	UN	t1		1365	1328	2887	2398	3595	3595	2344	200	2316	3311	247	201	315	33	0																4	6.20	79.46
KGM	ATL	CP	Brazil	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																4		
KGM	ATL	CP	Venezuela	UN	t1		2484	2485	2139	2139	340	2424	2424	2424	2424																								5	4.96	84.41
KGM	ATL	CP	Venezuela	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1																								5		
KGM	ATL	CP	Trinidad and Tobago	UN	t1			471	1029	875	746	447	432	410	1457	801	577	747	661	566	1043	1001	1001	720	391	494	494		494	494	494	494	494	494	494	494	494	6	4.71	89.12
KGM	ATL	CP	Trinidad and Tobago	UN	t2			-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	-1	a	a	a	a	a	a		-1	-1	-1	-1	-1	-1	-1	-1	-1	6		
KGM	ATL	CP	Angola	TW	t1																															10152	7	2.61	91.73
KGM	ATL	CP	Angola	TW	t2																															a	7		
KGM	ATL	CP	USA	GN	t1		75	280	415	353	340	486	244	240	194	195	281	422	315	309	376	451	345	272	230	253	323	287	289	288	287	324	288	307	312	316	8	2.34	94.07
KGM	ATL	CP	USA	GN	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	-1	-1	8		
KGM	ATL	CP	USA	TR	t1		544	371	281	540	431	447	596	561	343	375	478	559	665	655	557																9	1.90	95.97
KGM	ATL	CP	USA	TR	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1																9		
KGM	ATL	NCC	Guyana	GN	t1					270	440	398	214	239	267	390	312	245	168	326	174	91	59	75	90	99		358	314	192	143						10	1.25	97.22
KGM	ATL	NCC	Guyana	GN	t2					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1						10		
KGM	ATL	CP	USA	UN	t1		403	344	333	358	531	494	38	37	94	74	48	27	16	6	11	32	26	19	14	3	1	1	0	0		7	4	5	7	2	11	0.75	97.97
KGM	ATL	CP	USA	UN	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	-1	11		

Table 1-m. SCRS catalogue: LTA(AT) (Euthynnus alletteratus)

Score: 4.13

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	13202	10381	9453	12804	12804	9407	11830	13955	14080	16327	14918	10873	8320	16472	11954	14170	20910	21679	16679	17011	10619	17456	19097	14338	19134	15793	14994	13390	17731	14729	Rank	%	%cum
							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	2022	2023			
LTA	ATL	CP	Senegal	GN	t1		2912	2577	1096	1572	2146	414	2718	4405	1752	3287	2168	1401	1360	1240	2395	4667	5244	3575	2052	5360	2864	4271	2115	1010	851	1512	2598	2629	494	734	1	16.44	16.44
LTA	ATL	CP	Senegal	GN	t2		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	ab	b	b	-1	-1	-1	-1	-1	-1	1		
LTA	ATL	CP	USA	RR	t1		1093	1237	2005	1530	1255	1145	988	1057	931	813	1141	517	1018	1051	661	836	1316	1554	2417	2058	2374	3231	2610	2109	1941	2363	2056	1911	5042	2787	2	11.75	28.18
LTA	ATL	CP	USA	RR	t2		ab	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	b	b	b	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	2		
LTA	ATL	CP	Mauritania	TW	t1														670	423	943	1222	3549	4878	1634	252	529	1287	2478	774	901	984	2558	2462	5548	2479	3	7.73	35.91
LTA	ATL	CP	Mauritania	TW	t2														-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	3		
LTA	ATL	CP	Côte d'Ivoire	GN	t1		251	253	250	155	136	9	123	1	0		153	287	426	2159	1791	1446	1631	50	1062	1426	152	89	110	1880	7583	2441	1377	1917	1293	708	4	6.71	42.62
LTA	ATL	CP	Côte d'Ivoire	GN	t2		-1	-1	-1	a	a	a	a	a	a	a	a	ab	ab	a	a	ab	ab	a	ab	ab	ab	a	ab	-1	a	-1	-1	a	a		4		
LTA	ATL	CP	EU-España	PS	t1		1127	464	339	380	394	199	751	1197	209	656	997	206	213	1253	944	1181	1411	2232	1173	775	1285	2346	2363	1428	929	1190	841	341	997	881	5	6.61	49.23
LTA	ATL	CP	EU-España	PS	t2		b	abc	abc	abc	abc	abc	b	b	b	b	b	b	b	b	b	b	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	a	ab	ab	ab	5		
LTA	ATL	CP	Ghana	BB	t1		994	513	85	1396	250	169	255	296	2346	4099	5533	3437	451	564	312	651	401	245	589	417											6	5.29	54.52
LTA	ATL	CP	Ghana	BB	t2		a	a	ab	ab	a	a	ab	a	a	a	a	b	b	a		-1	b	b	b	b	b	b	b	b	b	b	b	b	b	b	6		
LTA	ATL	CP	Senegal	HL	t1		668	389	364	288	408	427	320	353	148	208	337	643	530	178	168	365	376	824	224	526	519	667	1792	1791	1851	2740	465	1069	297	2936	7	5.03	59.55
LTA	ATL	CP	Senegal	HL	t2		ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	ab	b	b	-1	-1	-1	-1	-1	-1	7		
LTA	ATL	CP	EU-France	PS	t1		1204	327	413	540	777	595	823	1192	396	710	1058	367	215	262	122	241	913	1066	705	720	571	1098	804	760	802	825	430	1037	1367	848	8	4.88	64.43
LTA	ATL	CP	EU-France	PS	t2		abc	abc	abc	b	b	abc	abc	b	b	b	b	abc	b	b	b	b	abc	abc	abc	abc	abc	abc	abc	abc	abc	ab	ab	ab	ab	ab	8		
LTA	ATL	CP	Senegal	TR	t1		653	593	511	873	818	556	297	210	759	896	993	650	1936	2397	2543	646	668	492	455		306		945	890	751	505					9	4.68	69.11
LTA	ATL	CP	Senegal	TR	t2		b	a	a	a	a	a	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	ab	b	ab	b	b	b	b	-1	b					9		
LTA	ATL	CP	Ghana	PS	t1				28	629	109	137	452	434	2422	4442	1527	2301	332	771	433	1041	1064	756	685	721												10	4.21	73.32
LTA	ATL	CP	Ghana	PS	t2				ab	ab	ab	a	ab	ab	ab	a	a	a	b	b	ab	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	10		
LTA	ATL	CP	Venezuela	UN	t1				1840	1840	2815	2247	2247	2247	2247																							11	3.56	76.88
LTA	ATL	CP	Venezuela	UN	t2				-1	-1	-1	-1	-1	-1	-1																							11		
LTA	ATL	NCO	Mixed flags (EU tropical)	PS	t1																							2598	3774	1810	1825	2013	1753					12	3.17	80.05
LTA	ATL	NCO	Mixed flags (EU tropical)	PS	t2						b	b								b	b	b	b	b	b	b	b	-1	-1	-1	-1	-1	-1					12		
LTA	ATL	CP	Brazil	UN	t1		1225	1059	834	507	920	920	605	615	615										4						23							13	1.69	81.74
LTA	ATL	CP	Brazil	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1										-1						-1							13		
LTA	ATL	CP	Angola	TP	t1		90	59	144	36	241	87	69	132	132					227		94	1306	2566	1414	46	10	1	1									14	1.53	83.27
LTA	ATL	CP	Angola	TP	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1					-1	b	-1	-1	-1	-1	-1	b	b										14		
LTA	ATL	CP	Cape Verde	PS	t1					2	70	26	273	145	53	141	137	112	182	543	451	540	437	354	274	438	178	850	621	192	147	137	109		13	14		15	1.48	84.75
LTA	ATL	CP	Cape Verde	PS	t2			a	a	-1	a	a	ab	ab	a	ab	ab	ab	b	b	ab	b	b	b	b	b	b	b	ab	ab	ac	a	-1		-1	-1	15		
LTA	ATL	CP	Russian Federation	TW	t1										74	13							268	11	208	399	255	136	547	433	698	478	1742	304	232	145	16	1.37	86.12
LTA	ATL	CP	Russian Federation	TW	t2										-1	-1							abc	a	abc	abc	abc	ab	ab	ab	ab	abc	abc	abc	a	abc	16		
LTA	ATL	CP	Angola	HL	t1													1		4085		4	50	99	54	323			0	4	3		2	3		0	17	1.07	87.19
LTA	ATL	CP	Angola	HL	t2													-1		-1		-1	-1	-1	-1	-1			-1	-1	-1		-1	-1		-1	17		
LTA	ATL	CP	Senegal	PS	t1		299			1440	1340	207	207	207	207														2	150	219						18	0.98	88.17
LTA	ATL	CP	Senegal	PS	t2		-1			-1	-1	-1	-1	-1	-1													b	bc	ac	c				a	b	18		
LTA	ATL	CP	Guinée Rep	PS	t1													15		21	2		358	260	666	1186	202								631	907	19	0.98	89.15
LTA	ATL	CP	Guinée Rep	PS	t2													-1		-1	-1		-1	-1	-1	-1	-1								a	a	a	19		
LTA	ATL	CP	USA	HL	t1		0		7	5	1	53	37	52	80	66	85	94	139	134	165	210	212	233	199	158	163	149	225	239	201	126	168	173	129	169	20	0.84	89.99
LTA	ATL	CP	USA	HL	t2		-1		-1	-1	b	b	-1	-1	-1	-1	-1	-1	-1	-1	-1	b	-1	-1	-1	b	b	-1	-1	b	-1	-1	-1	-1	-1	-1	20		
LTA	ATL	CP	Panama	PS	t1											3		35	191	577	368	228	106	250	259	72	30						2	406	200	385	21	0.78	90.78
LTA	ATL	CP	Panama	PS	t2		b	b	b	b			b	b	b	-1	b	b	b	b	b	b	b	b	b	b	b	b	b	b	b	ab	ab	b	b	21		
LTA	ATL	CP	S Tomé e Príncipe	PS	t1								33	33	33	33	178	182	179		183	188	193	198	203	209	214	182	122	249	11	87	6	71	35	37	22	0.66	91.43
LTA	ATL	CP	S Tomé e Príncipe	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	22		
LTA	ATL	CP	USA	GN	t1		44		46	161	107	118	119	107	97	82	64	36	42	68	49	60	44	45	82	97	103	148	164	182	115	86	103	56	51	24	23	0.58	92.01
LTA	ATL	CP	USA	GN	t2		-1		-1	-1	-1	-1	b	b	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	23		
LTA	ATL	CP	EU-France	UN	t1							610	610	610	610								0				0			0							24	0.56	92.57
LTA	ATL	CP	EU-France	UN	t2							-1	-1	-1	-1								-1				a		-1	a							24		
LTA	ATL	CP	Venezuela	PS	t1		1121	1121																													25	0.52	93.09
LTA	ATL	CP	Venezuela	PS	t2		-1	-1																													25		
LTA	ATL	CP	Brazil	PS	t1												300	280						22	323									94	31	847	283	26	0.50	93.59
LTA	ATL	CP	Brazil	PS	t2												-1	-1	a	a		a	a	-1	-1									a	a	a	a	26		
LTA	ATL	CP	Guatemala	PS	t1													35	178	92	118	17	121	43	126	145	64		120	15	45	88	38	221	213	489	27	0.50	94.09
LTA	ATL	CP	Guatemala	PS	t2											b	b	b	b	b	b	b	b	b	b	b	b	abc	abc	abc	abc	ab	ab	ab	ab	ab	27		
LTA	ATL	CP	Maroc	PS	t1		43	230	588	194	189	67	89	69	253	70	90	33		1		60	5	20	4	5	2	0	3	4							28	0.46	94.55
LTA	ATL	CP	Maroc	PS	t2		b	b	b	b		-1	-1	b	b	b	b	b	b		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							28		
LTA	ATL	CP	Curaçao	PS	t1											9			39	42	50	160	185	167	209	284	284					3	2	531	20	5	29	0.46	95.01
LTA	ATL	CP	Curaçao	PS	t2				b	b			b	b	b	ab	b	b	b	b	b	b	abc	b	b	b	b	b	b	b	b	abc	ab	ab	ab	a	29		
LTA	ATL	CP	Venezuela	BB	t1		994	994																													30	0.46	95.47
LTA	ATL	CP	Venezuela	BB	t2		-1	-1										b																			30		
LTA	ATL	CP	USA	PS	t1					15	60	203	19	177	122	484	70	102	109	119	14	121	188	8	60												31	0.43	95.90
LTA	ATL	CP	USA	PS	t2					-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1												31		
LTA	ATL	CP	Liberia	GN	t1																			673	256	176	101	78	151	212	2	70	1	19				32	0.40	96.30
LTA	ATL	CP	Liberia	GN	t2																			-1	-1	-1	-1	-1	-1	-1	-1	b	b	b				32		
LTA	ATL	CP	Angola	PS	t1																	28	384	755	416												33	0.36	96.66
LTA	ATL	CP	Angola	PS	t2																	-1	-1	-1	-1												33		
LTA	ATL	CP	Cape Verde	HL	t1		23	4	62	60	7	225	25	33	209	2		14	17	14	13	6	10	15	37	131	131	131			16	43	54	38	9	34	0.31	96.97
LTA	ATL	CP	Cape Verde	HL	t2		a	ab	ab	ab	ab	ab	a	a	a	a	a	a	ab	a	a	a	a	a	a	-1			a	-1	a	-1	-1			34		
LTA	ATL	CP	Cape Verde	BB	t1			51		24	33	525	193												0	0	0	0									35	0.19	97.16
LTA	ATL	CP	Cape Verde	BB	t2			a		-1	a	a	a												a	a	a	-1									35		
LTA	ATL	CP	Belize	PS	t1																	18	223	51	238	144	133									36	0.19	97.35
LTA	ATL	CP	Belize	PS	t2											b						b	b	b	b	ab	b	b	b	bc							36		
LTA	ATL	CP	Angola	GN	t1																	1	17	33	18	716			0								37	0.18	97.53
LTA	ATL	CP	Angola	GN	t2																	-1	-1	-1	-1	-1			-1								37		

Table 1-n. SCRS catalogue: LTA(MD) (Euthynnus alletteratus)

Score: 0.88

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	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	2022	2023	Rank	%	%cum
LTA	MED	CP	Tunisie	PS	t1	1197	204	696	824	333	1113	752	1453	1036	960	657	633							810	800	803	798	5165	6323	12434	4032	6152	4024	2940	5827	6551	1	42.59	42.59
LTA	MED	CP	Tunisie	PS	t2	1894	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1							-1	-1	-1	-1	-1	-1	-1	-1	b	b		-1	-1	1		
LTA	MED	CP	Türkiye	PS	t1	2116					500	750	750	750	750		568	507	1230	785	1074	1309	1046	1437	1645	1386	682	326	184	480	617	439	334	453	399	785	2	14.42	57.01
LTA	MED	CP	Türkiye	PS	t2	1601					-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	2		
LTA	MED	CP	Tunisie	UN	t1	2914																															3	6.51	63.52
LTA	MED	CP	Tunisie	UN	t2	2876																															3		
LTA	MED	CP	EU-Italy	PS	t1	3489													188	66	334	181	250	209	459	168	211		658	588	664	1217	733	534	429	545	4	5.59	69.11
LTA	MED	CP	EU-Italy	PS	t2	2988													-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	ab	-1	-1	-1	-1	4		
LTA	MED	CP	EU-Greece	PS	t1	2643							195	125	132			112	69	72	183	148	165	301	276	363	289	271	501	299	489	635	955	408	644	554	5	5.40	74.51
LTA	MED	CP	EU-Greece	PS	t2	684							-1	-1	-1			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	5		
LTA	MED	CP	Syria	UN	t1	1439	156	155	270	350	417	390	370	370	330					193	133	163	148	155	304	230											6	3.11	77.62
LTA	MED	CP	Syria	UN	t2	1042	-1	-1	-1	-1	-1	-1	-1	-1	-1					-1	-1	-1	-1	-1	-1	-1											6		
LTA	MED	CP	Algerie	PS	t1	1808	290	343	341	301	252	335	321	269	79		83	70	83					54	2	100	232	104	121	56	0	7	99	63		203	7	2.86	80.48
LTA	MED	CP	Algerie	PS	t2	1911	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	a	a	a	a	a	a	a	a		-1	-1	-1	a	a	a	a	a	7		
LTA	MED	CP	Algerie	LL	t1	2259											27	18	57	96		48	24	43	4	56	105	96	144	385	273	235	130	132	792	109	8	2.09	82.57
LTA	MED	CP	Algerie	LL	t2	2957											-1	-1	-1	-1		-1	-1	a	a	a	a	a	-1	-1	-1	a	a	a	a	a	a	8		
LTA	MED	CP	EU-Italy	LL	t1	2170										10	13	18	15	16	87	224	65	55	120	327	193		69	202	115	173	323	136	171	420	9	2.07	84.63
LTA	MED	CP	EU-Italy	LL	t2	3668										-1	b	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	ab	b	ab	ab	ab	ab	ab	9		
LTA	MED	CP	Egypt	PS	t1	4186																				849	712										10	1.93	86.56
LTA	MED	CP	Egypt	PS	t2	4633																				-1	-1				1003						10		
LTA	MED	CP	EU-España	TP	t1	3605		1	11	3	4			67	3			225	73	50	125	47	125	177	64	78	82	140	53	82	91			177	196	192	212	11	1.71	88.27
LTA	MED	CP	EU-España	TP	t2	6574		a	a	a	-1			a	a			-1	-1	-1	ab	abc	abc	a	abc	ab	ab	ab	ab	ab	ab	ab	a	ab	ab	ab	11		
LTA	MED	CP	EU-España	PS	t1	9788																						203	161	218	141	425	166	158	284	166	12	1.44	89.72
LTA	MED	CP	EU-España	PS	t2	15147												a										a	ab	b	ab	a	a	ab	a	ab	12		
LTA	MED	CP	Libya	PS	t1	7886					24	32																102	1100	48	80	65	55	30	25	280	13	1.38	91.10
LTA	MED	CP	Libya	PS	t2	9743					-1	-1																-1	-1	-1	-1	-1	-1	-1	-1	-1	13		
LTA	MED	CP	EU-España	UN	t1	7346		14	7	6	11		8	14	28		40	36	39	96	68	35	134	237	298	136	178	71	112			156		0	0	0	14	1.30	92.40
LTA	MED	CP	EU-España	UN	t2	5293		a	a	a	a		a	a	a		-1	-1	a	a	a	a	a	a	a	a	a	a	a			a	a	a	a	a	14		
LTA	MED	CP	EU-Italy	GN	t1	9111														142		657							53		145	103	140	130	156	62	15	1.19	93.59
LTA	MED	CP	EU-Italy	GN	t2	10068														-1		-1							-1		-1	-1	-1	-1	-1	-1	15		
LTA	MED	NCO	NEI (MED)	UN	t1		200	200	200	200	200	200																									16	0.90	94.50
LTA	MED	NCO	NEI (MED)	UN	t2		-1	-1	-1	-1	-1	-1																									16		
LTA	MED	NCO	Israel	UN	t1		119	215	119	119	119	119	119	119	119																						17	0.88	95.37
LTA	MED	NCO	Israel	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1																						17		
LTA	MED	CP	Algerie	TP	t1		123	121	154	106	98	139	116	102	29																						18	0.74	96.12
LTA	MED	CP	Algerie	TP	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1																						18		
LTA	MED	CP	EU-España	LL	t1									0	1	0	0	1	3	57	19	4	40	74	79	21	40	43	59	186	14	59	109	51	40	47	19	0.71	96.83
LTA	MED	CP	EU-España	LL	t2									a	-1	-1	-1	a	a	a	ab	ab	abc	a	abc	a	ab	ab	b	ab	ab	ab	ab	ab	ab	ab	ab	19		
LTA	MED	CP	Algerie	UN	t1		28	51	37	22	18	27	14	9	17		11			142	71	107															20	0.42	97.24
LTA	MED	CP	Algerie	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1		-1			-1	-1	-1															20		
LTA	MED	CP	EU-Italy	UN	t1										16	14	25	16		65	36	49	41	90	59	38		70		11	0						21	0.40	97.64
LTA	MED	CP	EU-Italy	UN	t2										-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1		-1		-1	-1						21		

Table 1-o. SCRS catalogue: MAW(AT) (Scomberomorus tritor)

Score: 1.20

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	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	2022	2023	Rank	%	%cum
MAW	ATL	CP	Senegal	GN	t1	1278	868	1477	1240	776	429	320	718	364	543	447	156	253	116	286	279	110	109	321	358	968	205	612	599				89	85	36	347	1	24.23	24.23
MAW	ATL	CP	Senegal	GN	t2		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1	a	a	-1				-1	-1	-1	-1	1		
MAW	ATL	CP	Senegal	HL	t1	1953	57	114	52	27	64	134	29	34	34	61	96	63	59	145	50	167	221	424	252	444	663	37	200	870	961	961	0	6	31	87	2	12.69	36.92
MAW	ATL	CP	Senegal	HL	t2		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1	a	a	-1	-1	-1	-1	-1	-1	-1	-1	2		
MAW	ATL	CP	Côte d'Ivoire	TW	t1	2910													66							76		46	72	6	5657					0	3	11.85	48.77
MAW	ATL	CP	Côte d'Ivoire	TW	t2														a							a		-1	a	a	-1					a			
MAW	ATL	CP	Mauritania	GN	t1	1475													198	304	172	192	209	148	143	110	432	438	221	69	81	33	87	860	159	1137	4	9.99	58.76
MAW	ATL	CP	Mauritania	GN	t2														-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	4		
MAW	ATL	CP	Mauritania	LL	t1	1496													9	11	3	11	10	43	8	0	2	55	303	95	110	46	119	1176	218	1555	5	7.55	66.31
MAW	ATL	CP	Mauritania	LL	t2														-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	5		
MAW	ATL	NCO	Benin	HS	t1	971	194	188	188	362	511	205	205	205	205																						6	4.53	70.84
MAW	ATL	NCO	Benin	HS	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1																						6		
MAW	ATL	CP	Côte d'Ivoire	GN	t1	1321											2		0		0	1				5	35	0	3	116	169	601	305	392	312	186	7	4.26	75.09
MAW	ATL	CP	Côte d'Ivoire	GN	t2												a		a	a	a	a				a	-1	a	a	a	-1	a	-1	-1	a	a		7		
MAW	ATL	CP	Angola	TP	t1	881																64	1227	185	164	224											8	3.73	78.82
MAW	ATL	CP	Angola	TP	t2																	-1	-1	-1	-1	-1											8		
MAW	ATL	CP	Gambia	LL	t1	1393																													724	789	9	3.03	81.85
MAW	ATL	CP	Gambia	LL	t2																													-1	-1	9		
MAW	ATL	CP	Senegal	PS	t1	646				209	356	209	209	209	209																						10	2.80	84.65
MAW	ATL	CP	Senegal	PS	t2					-1	-1	-1	-1	-1	-1																						10		
MAW	ATL	CP	Senegal	UN	t1	352	0	1	1317	4	1	14	9	3	5	5	1	3	0	0		0	0	0			0						0				11	2.73	87.38
MAW	ATL	CP	Senegal	UN	t2		a	a	-1	a	a	a	a	a	a	a	a	a	a	a		a	-1	a			a						-1				11		
MAW	ATL	CP	Gabon	GN	t1	480	140		17					53	48	82															19	115	42	195		374	12	2.17	89.55
MAW	ATL	CP	Gabon	GN	t2		-1		-1					-1	-1	-1															-1	-1	-1	-1		-1	12		
MAW	ATL	CP	S Tomé e Príncipe	PS	t1	571							6	6	6	6	21	12	13			91	93	96	98	100	102	105	13	11	72		26	107	38	34		13	2.11	91.66
MAW	ATL	CP	S Tomé e Príncipe	PS	t2								-1	-1	-1	-1	-1	-1	-1			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1		13		
MAW	ATL	CP	Gabon	TW	t1	847			41				102				67	37	87	93	17	22	30	34	46	42	13	37	21	56	67	28				191	10	14	2.08	93.75
MAW	ATL	CP	Gabon	TW	t2				-1				-1				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				-1	-1	14		
MAW	ATL	CP	Angola	GN	t1	616																1	16	2	2	598			0	2							15	1.24	94.99
MAW	ATL	CP	Angola	GN	t2																	-1	-1	-1	-1	-1			-1	-1							15		
MAW	ATL	CP	Angola	HL	t1	684																2	47	7	6	424			1					1	2		16	0.98	95.97
MAW	ATL	CP	Angola	HL	t2																	-1	-1	-1	-1	-1			-1					-1	-1		16		
MAW	ATL	CP	Angola	PS	t1	2384																19	361	54	48			3			1					3	17	0.98	96.95
MAW	ATL	CP	Angola	PS	t2																	-1	-1	-1	-1		-1				-1					-1	17		
MAW	ATL	CP	Senegal	TR	t1	1333	14	22	26	30	29	23	22	7	3	19	9	113	22	4	0	1	1	5		14	1		56								18	0.84	97.79
MAW	ATL	CP	Senegal	TR	t2	1128	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1	a		-1									18		

Table 1-p. SCRS catalogue: SSM(AT) (Scomberomorus maculatus)

Score: 0.00

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	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	2022	2023	Rank	%	%cum
SSM	ATL	CP	Mexico	LL	t1	14490	8300	7673	11050	11050	5483	6431	4168	3701	4350	5242	3641	5723	3856	3955	4155	4251	4128	4026	3321	3581	3857	4077	3820	3701	4321	3870	2968	2157	1535	2220	1	46.49	46.49
SSM	ATL	CP	Mexico	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	-1	-1	1		
SSM	ATL	CP	USA	RR	t1	13697	1471	1084	1364	1871	1452	1920	2335	2634	2944	2356	2356	2356					5793	4976	4965	7211	3922	3652	4825	4611	6	6620	11882	7311	8753	5996	2	34.61	81.10
SSM	ATL	CP	USA	RR	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	2		
SSM	ATL	CP	USA	GN	t1	16571	2779	2094	1354	1416	1350	1163	1208	1260	976	1117	801	1265	1295	1201	971	1086	1029	1059	1044	1051						1378	1133	1498	935	716	3	10.31	91.41
SSM	ATL	CP	USA	GN	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	3		
SSM	ATL	CP	USA	UN	t1	15403	84	75	67	141	72	75	195	439	478	887	1044	738	725	602	363	483	423	454	433	441						123	53	82	9	9	4	2.81	94.22
SSM	ATL	CP	USA	UN	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	4		
SSM	ATL	CP	USA	HL	t1	8877	28	103	74	70	82	109	151	181	211	188	273	384	326	339	407	373	390	383	387	385						656	651	711	295	629	5	2.57	96.80
SSM	ATL	CP	USA	HL	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	5		
SSM	ATL	NCO	Dominican Republic	UN	t1	9837	1330	2042	2042	231	191	125	158	158	158																						6	2.13	98.93
SSM	ATL	NCO	Dominican Republic	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1																						6		
SSM	ATL	CP	Cuba	TR	t1	8220	409	548	613	613	236																										7	0.80	99.72
SSM	ATL	CP	Cuba	TR	t2		-1	-1	-1	-1	-1																										7		
SSM	ATL	CP	Gabon	TW	t1	8383									256																						8	0.08	99.81
SSM	ATL	CP	Gabon	TW	t2										a																						8		
SSM	ATL	NCO	Colombia	UN	t1	9414	69	69																													9	0.05	99.86
SSM	ATL	NCO	Colombia	UN	t2		-1	-1																													9		
SSM	ATL	CP	USA	TW	t1	9793	7	3	4	6	3	2	1	1	2	2	1	0	76	1	1	1	1									1	0	2	0	0	10	0.04	99.89
SSM	ATL	CP	USA	TW	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1									-1	-1	-1	-1	-1	10		

Table 1-q. SCRS catalogue: WAH(AT) (Acanthocybium solandri)

Score: 0.98

Species	Stock	Status	FlagName	GearGrp	DSet	T1 Total	2143	2408	2516	3104	2497	2972	2035	2318	2226	2067	2613	2467	1829	2581	2176	2354	2381	2844	3729	5235	3526	2554	17320	6881	6482	4894	8542	3218	4392	4073	Rank	%	%cum
							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	2022	2023			
WAH	ATL	CP	Mauritania	PS	t1																		20		10	1532			13310	4156	4841	2651	6891	598	339	151	1	30.16	30.16
WAH	ATL	CP	Mauritania	PS	t2																		-1		-1	-1			-1	-1	-1	-1	-1	-1	-1	-1	1		
WAH	ATL	CP	USA	RR	t1		334	624	542	615	498	733	535	549	763	695	601	473		1032	415	436	616	518	910	387	943	1102	1987	1133	476	931	604	432	2938	1012	2	19.96	50.13
WAH	ATL	CP	USA	RR	t2		-1	-1	-1	a	a	a	a	a	a	a	a	a	a	a	-1	-1	-1	a	a	a	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	2		
WAH	ATL	CP	Cape Verde	HL	t1								415	534	341	340	365	445	552	520	337	448	431	467	437	443	443	443	490	228	298	290	193	149	107	9	3	7.63	57.76
WAH	ATL	CP	Cape Verde	HL	t2		a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	-1	a	-1	-1	a	-1	a	-1	-1	3		
WAH	ATL	CP	Mauritania	LL	t1															0			16	240	28	29	36	100	346	108	126	52	136	1345	249	1778	4	4.01	61.77
WAH	ATL	CP	Mauritania	LL	t2															-1			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	4		
WAH	ATL	NCC	Chinese Taipei	LL	t1																				1236	1120	896										5	2.84	64.62
WAH	ATL	NCC	Chinese Taipei	LL	t2																				-1	-1	-1										5		
WAH	ATL	CP	Venezuela	UN	t1		538	538	479	479	340	448																									6	2.47	67.08
WAH	ATL	CP	Venezuela	UN	t2		-1	-1	-1	-1	-1	-1																									6		
WAH	ATL	CP	S Tomé e Príncipe	PS	t1								52	52	52	52	94	88	76		131	235	241	247	254	260	266	100	70	172	1	157	8	102	60		7	2.42	69.51
WAH	ATL	CP	S Tomé e Príncipe	PS	t2								-1	-1	-1	-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		7		
WAH	ATL	NCO	Sta Lucia	TR	t1										217	169	238	169	187		171	195	199		148	155	87	147	110		127	70	77	71	58		8	2.27	71.77
WAH	ATL	NCO	Sta Lucia	TR	t2										-1	-1	-1	-1	-1		-1	-1	-1		-1	-1	-1	-1	-1		-1	-1	-1	-1	-1		8		
WAH	ATL	CP	Brazil	LL	t1		3		2	22	40				0	355	175	447	50	6	26	19	19	48	51	225	110	260	203	127	148	23	57	21	3	65	9	2.19	73.97
WAH	ATL	CP	Brazil	LL	t2		a	a	a	-1	a				-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	9		
WAH	ATL	CP	Cape Verde	TR	t1		299	370	473	517	330	499																									10	2.18	76.14
WAH	ATL	CP	Cape Verde	TR	t2		-1	-1	-1	-1	-1	-1																									10		
WAH	ATL	CP	Curaçao	UN	t1		250	230	230	230	230	230	230	230	230																						11	1.83	77.97
WAH	ATL	CP	Curaçao	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1																						11		
WAH	ATL	CP	Panama	LL	t1														91	240	120	86	111	99	210	373	228		109		77	123	111	49	36	25	12	1.82	79.79
WAH	ATL	CP	Panama	LL	t2														a	a	a	a	-1	-1	-1	a	a		-1		-1	a	a	a	a	a	12		
WAH	ATL	CP	USA	LL	t1		56	120	53	117	104	90	79	59	60	64	79	64	68	64	63	64	19	40	62	50	60	27	35	36	28	15	14	7	6	9	13	1.41	81.20
WAH	ATL	CP	USA	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	-1	-1	13		
WAH	ATL	CP	UK-Bermuda	RR	t1		50	93	99	105	108	104	61	56	91	87	88	83	86	124	117	101	81														14	1.34	82.54
WAH	ATL	CP	UK-Bermuda	RR	t2		-1	-1	-1	-1	a	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1														14		
WAH	ATL	CP	EU-España	BB	t1		20	15	25	25	29	28	32	38	46	48	47	214	55	65	38	70	48	86	32	47	33	29	35	34	60	44	39				15	1.12	83.66
WAH	ATL	CP	EU-España	BB	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					15		
WAH	ATL	CP	EU-España	PS	t1													92	63	44	224	262	136	240	56												16	0.98	84.64
WAH	ATL	CP	EU-España	PS	t2													-1	-1	-1	-1	-1	-1	-1	-1												16		
WAH	ATL	CP	Brazil	UN	t1		23	1			1						345		61	62	49	51		130	73				108	114							17	0.89	85.53
WAH	ATL	CP	Brazil	UN	t2		-1	-1			-1						-1		-1	-1	-1	-1		-1	-1				-1	-1							17		
WAH	ATL	NCO	Sta Lucia	UN	t1		98	80	221	223	223																										18	0.74	86.27
WAH	ATL	NCO	Sta Lucia	UN	t2		-1	-1	-1	-1	-1																										18		
WAH	ATL	CP	Brazil	HL	t1				14	36						49								92	45	253	44	52	93	81					25	10	19	0.69	86.96
WAH	ATL	CP	Brazil	HL	t2				-1	-1						-1								-1	-1	-1	a	-1	-1	a	a	a	a		a	a	19		
WAH	ATL	NCO	Sta Lucia	HL	t1							310	243	213																							20	0.67	87.63
WAH	ATL	NCO	Sta Lucia	HL	t2							-1	-1	-1																							20		
WAH	ATL	CP	Venezuela	LL	t1		4	2	7	8	17	18	4	6	10	5	7	13	9	27	4	22	25	19	32	30	21	30	64	51	45	46	40	31	56	85	21	0.65	88.27
WAH	ATL	CP	Venezuela	LL	t2		a	a	a	a	a	a	a	-1	-1	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	21		
WAH	ATL	CP	St Vincent and Grenadines	LL	t1									255					200	26					5	4	3	0	11	117	66	11	8	0	16	0	22	0.63	88.91
WAH	ATL	CP	St Vincent and Grenadines	LL	t2									-1					-1	a					a	a	a	a	a	a	a	a	a	-1	a	-1	22		
WAH	ATL	CP	Cape Verde	PS	t1									3	159	3	93	96	12	59	74	46	68	29	11										10	34	23	0.61	89.52
WAH	ATL	CP	Cape Verde	PS	t2									a	a	a	a	a	-1	-1	a	-1	-1	-1	-1										-1	-1	23		
WAH	ATL	CP	Grenada	TR	t1		46	49	56	56	59	82	51	71	59	44															24	16	15	16	48		24	0.60	90.12
WAH	ATL	CP	Grenada	TR	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1															-1	-1	-1	-1	-1		24		
WAH	ATL	CP	Panama	PS	t1													39	44	104	102	65	13	66	15						0		1	71	97		25	0.54	90.66
WAH	ATL	CP	Panama	PS	t2													-1	-1	-1	-1	-1	-1	-1	-1						a	a	a	a	-1		25		
WAH	ATL	CP	USA	HL	t1		1	8	4	8	1	35	25	25	21	30	32	22	21	28	18	21	18	25	27	21	22	21	35	33	26	27	14	15	14	16	26	0.53	91.20
WAH	ATL	CP	USA	HL	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	-1	-1	26		
WAH	ATL	NCO	Dominican Republic	UN	t1					325	112	31	35	35	35																						27	0.50	91.70
WAH	ATL	NCO	Dominican Republic	UN	t2					-1	-1	-1	-1	-1	-1																						27		
WAH	ATL	CP	EU-France	PS	t1													28	10	3	16	26	26	17			6		133	64	59	29	48	43	40		28	0.48	92.17
WAH	ATL	CP	EU-France	PS	t2													-1	-1	-1	-1	-1	-1	-1			-1		-1	-1	-1	a	a	a	a		28		
WAH	ATL	CP	UK-Bermuda	TR	t1																			100	88	75							60	67	76	68		29	0.47	92.64
WAH	ATL	CP	UK-Bermuda	TR	t2																			-1	-1	-1							-1	-1	-1	-1		29		
WAH	ATL	CP	EU-España	LL	t1												258	23	54	1		3	5	2	3	3	8	22	24	18	19	18	14	19	17	21	30	0.46	93.10
WAH	ATL	CP	EU-España	LL	t2												-1	-1	-1	-1		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	30		
WAH	ATL	CP	Cape Verde	BB	t1		62	38	30	86	99	88	72	41											2	2	2	2									31	0.46	93.56
WAH	ATL	CP	Cape Verde	BB	t2		-1	a		-1	-1	a	a	a	-1					a					a	a	a	-1									31		
WAH	ATL	NCO	Aruba	UN	t1		125	40	50	50	50	50	50	50	50																						32	0.45	94.01
WAH	ATL	NCO	Aruba	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1																						32		
WAH	ATL	CP	UK-Bermuda	UN	t1																						76	86	95	92	68	82					33	0.44	94.45
WAH	ATL	CP	UK-Bermuda	UN	t2																						-1	-1	-1	-1	-1	-1					33		
WAH	ATL	CP	UK-Sta Helena	RR	t1		26	25	23	19	10	15	15	22	25	18	17	11	20	13	18	29	19	31	12	16	16	10	15	16	9	5	5	6	5	13	34	0.42	94.87
WAH	ATL	CP	UK-Sta Helena	RR	t2		-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	a	a	a	a	a	34		
WAH	ATL	NCO	Dominica	UN	t1		59	58	58	58	58	50	46	11	37	10			0	0				1	1	2			1	0	3	0					35	0.40	95.27
WAH	ATL	NCO	Dominica	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		a	a								-1	-1	-1	a	a	a					35		
WAH	ATL	CP	St Vincent and Grenadines	TR	t1										17	40	60		40	4	24	31	40	31		28	21	9		9	16	16	21			4	36	0.36	95.63
WAH	ATL	CP	St Vincent and Grenadines	TR	t2										-1	-1	-1		-1	-1	-1	-1	-1	-1		-1	-1	-1		-1	-1	-1	-1			-1	36		
WAH	ATL	CP	Mauritania	GN	t1															0			17	23	11	29	10	22	21	7	8	3	8	83	15	109	37	0.32	95.95
WAH	ATL	CP	Mauritania	GN	t2															-1			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	37		
WAH	ATL	CP	Barbados	HL	t1											31	41	24	36	33	24	14	2	25	20	19	13	8	8	8	6	8	5	4	7	10	38	0.30	96.25
WAH	ATL	CP	Barbados	HL	t2											-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	38		
WAH	ATL	CP	S Tomé e Príncipe	TW	t1		39	46	80	52	56	62																									39	0.29	96.54
WAH	ATL	CP	S Tomé e Príncipe	TW	t2		-1	-1	-1	-1	-1	-1																									39		
WAH	ATL	CP	St Vincent and Grenadines	UN	t1		28	16	23	10	65	52	46	56																						0	40	0.26	96.80
WAH	ATL	CP	St Vincent and Grenadines	UN	t2		-1	-1	-1	-1	-1	-1	-1	-1																						-1	40		
WAH	ATL	CP	Barbados	LL	t1					52	52	41	41			3	4	2	5	3	3	3	28	3	1	2	4	3	3	2	1	1	2	1	5	1	41	0.23	97.03
WAH	ATL	CP	Barbados	LL	t2					-1	-1	-1	-1			-1	-1	-1	-1	-1	-1	-1	-1	a	a	a	a	a	a	-1	a	a	a	a	a	a	41		
WAH	ATL	NCO	Mixed flags (EU tropical)	PS	t1													28	30	44	97	26	39														42	0.23	97.26
WAH	ATL	NCO	Mixed flags (EU tropical)	PS	t2													-1	-1	-1	-1	-1	-1														42		
WAH	ATL	CP	Curaçao	PS	t1														13	7	31	57	23	78	9												43	0.19	97.45
WAH	ATL	CP	Curaçao	PS	t2														-1	-1	-1	-1	-1	-1	-1												43		