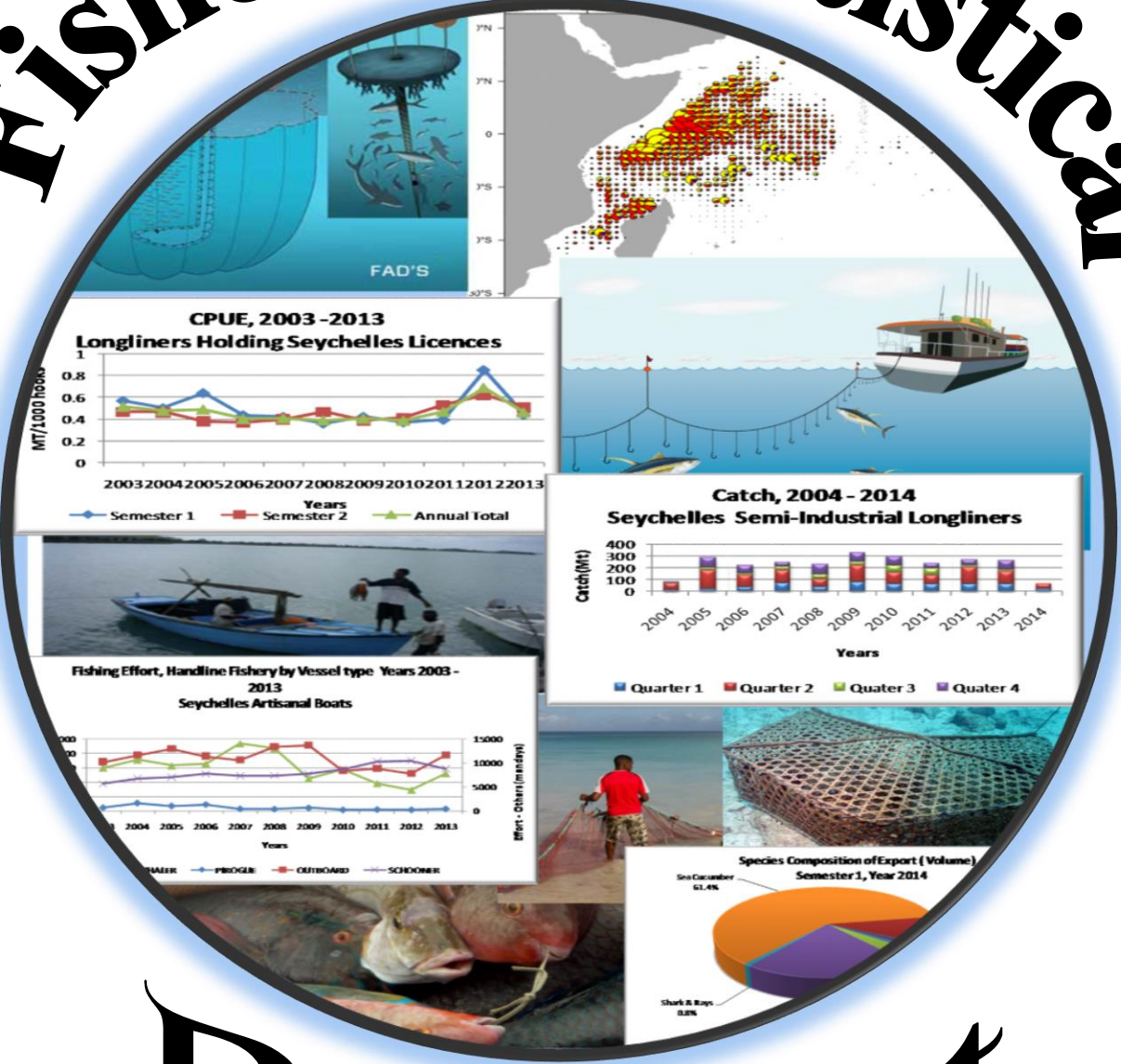




SEYCHELLES FISHING AUTHORITY

Fisheries Statistics



Report

Year 2022

Fisheries Statistical Report

Year: 2022



SEYCHELLES FISHING AUTHORITY

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The Seychelles Fishing Authority (SFA) was incorporated in August 1984 by the Seychelles Fishing Authority (Establishment) Act. This body was formed in view of the need to develop the fishing industry to its fullest potential. It is a parastatal organization with autonomous legal and financial status, supervised by a board of directors appointed by the President.

The Ministry responsible for Fisheries is responsible for policy directives in fisheries related matters, and SFA is the executive arm of the government in all fisheries activities. The functions of SFA as per Section 5 of the Establishment Act are:

- to promote, organize and develop fishing, fishing industries and fishing resources in Seychelles.
- to assist in the formulation of the national policy with respect to fishing, fishing industries and fishing resources and in the implementation of that policy.
- to conduct negotiations, or engage in meetings, seminars, or discussions, about fishing or fisheries or the establishment or operation of fishing industries, whether at a national or international level, on behalf of the Republic or otherwise.
- to identify the manpower training requirements of Seychelles regarding fishing and fishing industries; and
- those mentioned in any other written law.

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Executive Summary

This Seychelles Fisheries Statistical Report provides annual updates on fisheries statistics for the industrial and semi-industrial sectors for year 2022, the artisanal fishery for the year 2021, the sea cucumber and lobster fisheries for the 2021-2022 fishing season. The statistics are presented by vessel type, species, and geographical locations. Profiles of each fishery, summary of data collection and processing procedures are also provided.

*For the **purse seine fishery**, 48 purse seiners holding licences to fish inside the Seychelles EEZ reported a total catch of 403,269 MT in the Western Indian Ocean (WIO), for the year 2022. This represents a slight decrease of 2% over the estimated catch of 412,922 MT reported in the year 2021. The Spanish fleet accounted for 37% of the total catch in the WIO for year 2022, whilst the Seychelles and French fleet accounted for 30% and 17% respectively.*

A record catch of 113,566 MT was reported inside the Seychelles EEZ during the year 2022 representing an significant increase of 170% from the 42,082 MT reported for the year 2021. This is the highest catches reported inside the Seychelles EEZ over the past 20 years in the purse seine fishery in the Indian Ocean. This remarkable catch was achieved from an increase of 88% in fishing effort from 1,579 fishing day in 2021 to 2,972 fishing days in 2022.

In terms of species composition, skipjack tuna dominated the total purse seine catches, accounting for 60% followed by yellowfin tuna representing 30%, whilst bigeye tuna made up only 9%. In 2021, skipjack, yellowfin and bigeye tuna accounted for 61% ,29% and 9% of the total catch respectively. It is worth noting that since 2021, SFA encountered technical issues with its purse seine data processing software which did not allow for the species composition corrections. Hence the species composition provided here may change following species composition correction.

The Seychelles flagged purse seiners reported a total catch of 120,642 MT in the WIO in 2022, achieved from a fishing effort of 2,934 fishing days thus giving a mean catch rate of 41.12 MT/fishing day for the year 2022. This represents a slight decrease of 2% and 3% in catches and fishing effort respectively. In 2021 the Seychelles purse seine fleet reported a total catch of 122,885 MT obtained from a fishing effort of 3,027 fishing days with a mean catch rate of 40.60 MT/ fishing day . The catches of the Seychelles purse seine fleet inside the Seychelles EEZ in 2022 is estimated at 26,692MT compared to 11,407 MT during the previous

year. This represents an increase of 134% in catches corresponding to an increase of 76% in fishing effort.

Like previous years, Port Victoria remained the principal port for tuna transshipment and landing by purse seiners in the WIO during the year 2022. A total of 373,395MT of tuna was unloaded through port Victoria compared to 389,542 MT in 2021. This represents 92% of the total landing and transshipment for that year and a slight decrease of 4% from the previous year.

For the **industrial longline fishery**, 176 vessels licensed to fish in the Seychelles EEZ during year 2022 reported an estimated catch of 19,990 MT, obtained from a fishing effort of approximately 54.2 million hooks thus giving a mean catch rate of 0.37 MT/1000 hooks. The total catch reported by 188 vessels for the year 2021 was 25,340 MT, obtained from a fishing effort of approximately 66.6 million hooks with a mean catch rate of 0.38 MT/1000 hooks.

Only 60% of the total reported catch or 11,904 MT were reported to have been caught inside of the Seychelles EEZ during the year 2022. This represents a decrease of 18% in catches corresponding to same in fishing effort when compared to the previous year.

In terms of species composition, bigeye tuna catches accounted for 39% of the total catch. Yellowfin tuna, swordfish and the 'others' category represented 33%, 7% and 12% of the total catch respectively.

During the year 2022, the Seychelles fleet reported an estimated catch of 9,898 MT representing a decrease of 32% in catches consistent with a decrease of 30% in fishing effort. This was achieved from a fishing effort of 27.7 million hooks and a mean catch rate of 0.36 MT/1000 hooks. During the previous year, the Seychelles fleet reported a total catch of 14,526 MT achieved from a fishing effort of 39.9 million hooks with a mean catch rate of 0.36 MT/1000 hooks.

The **semi-industrial fishery**, reported a total catch of 2,073 MT in 2022, the highest catch recorded since the beginning of the fishery. This represent an increase of 18% in catches over the 1,758 MT reported for the year 2021, which was achieved from an increase of 80% in fishing effort where a total of around 5 million hooks were sets compared to 2.8 million hooks sets in the year 2021. In term of species composition, yellowfin tuna accounted for 93% of the total catch followed by swordfish, accounting for 3% of the total catch. Bigeye tuna, sailfish and marlin, each accounted for 1% of the total catch each.

The mean number of boats operating per month in the **artisanal fishery**, during the year 2021 has decreased significantly to a mere 297 boats active per month when compared to a mean of 338 boats active per month during the previous Year (Table 4.1B). The highest decrease was observed in mean number of semi-industrial vessels targeting demersal species using mostly dropline fishing gear, which dropped from an average of 11 vessels active in the year 2020 to a mean of only 1 vessel active per month in 2021. The mean number of schooners, whalers and outboard active per month also recorded a decrease of 17%, 8% and 7 % respectively, when compared to the previous year.

During the year 2021, the total artisanal catches increased significantly by 32% to reach 4,581.6 MT, compared to a total catch recorded during the previous year. It must be noted that 2021 catch is highest catch recorded in the last 10 years. Typical of previous years, the handline fishery dominated artisanal fisheries catches, accounting for 71% of total landings during the year 2021. However static trap replaced encircling gillnet as the second dominant gear accounting for 12%, followed by encircling gillnet accounting for 10% of the total catches. The most important species groups landed during the year 2021 were carangues (22%), bourgeois (14%) and job (13%). During the previous year, the artisanal catches were dominated by carangues (33%), job (14%) and maquereau doux (9%).

During the year 2021, the total fishing effort for both handline and trap fishery increased by 53% whilst fishing effort for net fishery decreased by 89%. The Catch rate for the handline and net fishery decreased during the year 2021 when compared to same period the previous year whilst the catch rate for trap fishery increased.

For the **sea cucumber fishery**, the landings in numbers for the 2021/2022 fishing season were 212,870 Flower teatfish, 49,964 White teatfish, and 31,177 Prickly redfish. This reflects a 12% decrease for Flower teatfish, a 6% decrease for White teatfish and a 19% decrease for Prickly redfish, compared to the 2020/2021 season (Table 1). For the 2021/2022 season, the percentage of the assigned quota reached was 84.1% for Flower teatfish, 88.8% for White teatfish, and 83.1% for Prickly redfish. Total sea cucumber catches has varied over the last ten seasons, with the highest catch of 582,411 pieces reported in 2012-2013 and the lowest catch of 294,011 pieces was most recently recorded for the 2021/2022 fishing season.

The **lobster fishery** catch fluctuates from season to season. The overall lobster catch for the 2021/2022 fishing season was 2.05 MT. The highest catch of 6.1 MT was recorded in the 2020/2021 season, whereas the lowest catch of 0.61 MT was recorded in the 2013/2014 season. For the 2021/2022 a total of 1.50 MT of *P. penicillatus* was recorded representing 73.4% of the total catch. For the same period a total of 0.9 MT was recorded for *P. longipes* amounting to 24.7% of the total catch. *P. versicolor* is less frequent, representing a total of

1.8% of the total catch. No catch was recorded for *P. ornatus*. The predominant fishing method is snorkelling which accounted for 99% of the total catch for the 2021/2022 season

Introduction

The Seychelles Fisheries Statistical Report is a comprehensive source of information for the commercial fishing industry, fisheries managers, policymakers, and researchers. Since 2014 the report has presented annual updates of fisheries statistics on a bi-annual basis. The report contains data on the volume of production from Seychelles artisanal, semi-industrial, industrial longline and purse seine fishery by vessel type, species, and geographical locations. Profiles of each fishery, summary of data collection and processing procedures are also provided.

Readers should note that in 2022 SFA upgraded the data management system developed in 2017 for artisanal fishery to a web-based data collection system to allow data to be captured at Landing sites in real time. This upgrade created delays in data capture and hence delays in publication of this report. Consequently, this edition includes statistics only for the year 2021 for artisanal fishery. SFA wishes to apologise for any inconvenience caused by the delay of this publication.

In this edition, information on sea cucumber and lobster fishery has been included as new sections 5 and 6 respectively. Information on recreational and sport fishery will be included progressively in future editions. As a result, the publication gives only a partial estimate of the total volume of local fishery production.

Readers should note that some figures presented in this bulletin may be different to those previously published because these figures may have been revised following thorough verifications carried out on the data following database upgrading, new data received that were previously missing, revised EEZ shape file used or data validation using VMS data. Also, some of the figures presented may be subject to revision (usually upwards) as more data become available.

Since space is a limiting factor in some tables, flag country appearing in these tables is included based on their total catch. The remaining flags are classified under "OTHERS". Flag countries with only one vessel are automatically placed under "OTHERS" to preserve the confidentiality of data pertaining to the vessel.

Purse Seine Fishery:

Tuna purse seiners started exploratory fishing operation in Seychelles EEZ since the early 1980s. Commercial purse seining activities in the Seychelles EEZ began in 1984 when French and Spanish fleets moved from the tropical Atlantic to the Western Indian Ocean. The main fishing nation involve in purse seining in the WIO were those operating under the European Economic Community Agreement (French and Spanish). Seychelles registered purse seiners started fishing in 1997 and are currently of Spanish ownership.

Traditionally, purse seiners fished over free-swimming schools until the 1990s where changes were introduced to the fishing strategy, with the extensive use of floating objects such as Fish Aggregating Devices (FADs). The composition of species and size resulting from this type of fishing varies considerably in comparison to traditional fishing over free schools, since skipjack is the main catch and there is a higher rate of smaller yellowfin and bigeye. The purse seine tuna fishery targets mostly surface swimming yellowfin and skipjack tuna.

In view of Port Victoria's strategic location in the middle of the tuna fishing grounds, Port Victoria remain the most important tuna transshipment port in the Indian Ocean. Over 90% of catches of purse seiners licensed to fish inside the Seychelles EEZ are transhipped and landed in Port Victoria every year.

Data Collection

Data sources for tuna purse seiners are logbooks, transshipment, well plans and biological sampling. Logbooks are completed by the captains and contains record of the vessel's daily activities submitted to SFA. The logbook must be completed by vessel's captain for each trip undertaken during the period the vessel is registered as a Seychelles Flagged vessels for Seychelles flagged vessels and for the period of license for foreign vessels. All details must be filled in for each activity undertaken daily. Activity includes fishing sets and activities on FAD's, and it must be completed before the boat docks at the end of each trip. When the vessels are not fishing, a blank logbook must be submitted to SFA for the non-fishing period stating reason for not fishing. It must be noted that the supply vessels, vessels assisting the purse seiners during their fishing trip, must also complete a similar logbook and submit to SFA.

Landing and transshipment information can be obtained from either the local representative (agent) of the vessel or the vessel owner. They provide details of unloaded catch for each vessel and each operation.

The well plans contain information on where the catches are stored on the vessel. This is important for the port sampling program.

The multi-species nature of tropical tuna surface fisheries (purse seine) gives rise to a series of difficulties at the time of estimating basic catch by species and catch by size statistics.

Complications are mainly due on one hand to the unreliability of the weight and species composition declared on the logbooks (eye estimate of skippers) and to the tendencies of classifying landings into commercial categories, solely according to the sizes of individual rather than according to both size and species. For example, fish < 5kg often contains small yellowfin and bigeye as well as skipjacks but are often declared as skipjack only. To improve the accuracy of statistics for sound stock assessment, it is essential to implement a tuna-sampling programme. Biological sampling is carried out to simultaneously estimate the species composition (by counting and identifying each species) and the length frequency distribution (by measuring the individuals) of the catch. Using the logbooks and well plans, the fisheries technician decides, depending on established protocol the wells that are suitable for sampling. The criteria are:

- types of association (free schools or FAD's associated schools)
- zone covered, (10 zones),
- season (according to the quarter of the year)
- weight class of individuals (< 5kg, 10 – 30 kg, >30kg etc.)

The wells to be sampled must contain fish that were; caught from the same type of association, same zone, and same season. Furthermore, priorities are set depending on zones and season previously covered. The final decision is then made on site, depending on which vessel or wells being unloaded at that time.

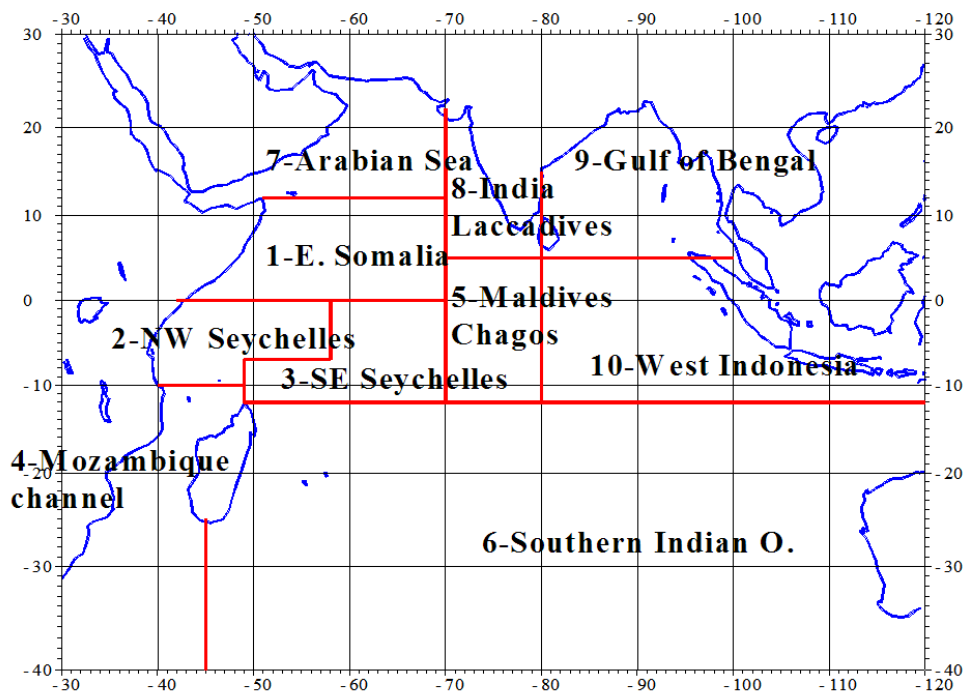
Data Processing

Following data capture, the data is verified to correct any data entry errors. VMS data are also used to validate activity positions declared on the logbook. Data capture, verification and validation are carried out using specialised software specially developed for the purse seine fishery.

Following the verification and validation procedures the data is then processed where the sampling data is used to correct the species composition declared on the Logbooks. Next a raising factor is computed by dividing the total landed/transhipped catches by the catches declared on the logbook per trip and that raising factor is applied to the logbook declaration to obtain the total catch for the fishery by geographical locations.

- Readers should note that the *total tuna transhipped in Port Victoria refers to the total volume of fish transhipped from purse seiners to reefers or to containers, whereas those landed are volume of fish landed in the port for further local processing or sale.*
- *Vessels covered or active* refer to vessels for which a logbook has been received and processed.
- The total *number of vessels licensed and covered* may not correspond to the direct summing of number of vessels licensed or vessel covered by countries by month or by year. The reason for this is that a vessel may change licence from one country to another in the same month, hence counted under both countries for that month or year.

- Where a trip is spread over two different years, e.g., December 2020 - January 2021, the catch up to December 2020 will be attributed to the year 2020 and the catch made in January 2021 will be attributed to the year 2021. However, the transshipment/landing will be attributed to the year 2021 when that transshipment/landing occurs. Hence the difference between the total catch for the year and the total catch transhipped/ landed.
- Maps showing the Zones of Indian Ocean for Purse seine fishery



Industrial Longliners Fishery:

Industrial longline fisheries comprise of foreign longline vessels licensed to fish in Seychelles EEZ which started to be issued in the early 80' and Seychelles registered vessels (Taiwanese origin) started operating in 1999. Presently Taiwan Province of China and Seychelles registered fleet are the primary industrial longline fleets licensed to operate in the Seychelles Waters.

The longline gear used by the industrial longliners consists of three basic components: the mainline, the branch line, and the baited hook. All these parts are adaptable for targeting specific species through changes in materials, lengths, and deployment strategies. Using small buoys and float lines to suspend the gear below the surface results in a pelagic longline set that targets large pelagic fishes, such as bigeye (*Thunnus obesus*), yellowfin (*Thunnus albacares*), and albacore (*Thunnus alalunga*), broadbill swordfish (*Xiphias gladius*), and other billfishes.

Data Collection

The main data sources for the longline fishery are logbooks, landings and transshipment declarations and length frequency forms. Those vessels almost never call into port Victoria, and their data are submitted to SFA electronically. Logbooks are distributed by SFA to all longliners either licensed to fish in the Seychelles EEZ or registered in Seychelles. All longliners licensed to fish inside of the Seychelles Exclusive Economic zone is under obligation to submit a logbook to the Seychelles Fishing Authority for the whole duration of their licensed period. The logbook details their daily catch and effort whilst inside of the Seychelles EEZ and state when they are outside the EEZ or in Port. Seychelles registered vessels are under obligation to submit a logbook detailing their daily activities, catch and effort wherever they operate throughout the validity of their registration period

In addition, a sampling protocol (self-reporting) with aim to collect information on the size distribution of the different species (tuna, billfish, and sharks) caught, to monitor the stock structure relative to time and strata, was set up by SFA in collaboration with Deep-Sea Fisheries of Taiwan in June 2007. The sampling is carried out on Seychelles Flagged vessel by crew members. They measure the first 30 fish per each set hauls and record on a sampling form which is submitted to SFA by email on a weekly basis.

The data recorded are Vessel details, Date, Position, and the measurement for the first 30 fish by species. The measurement type varies by species as follows:

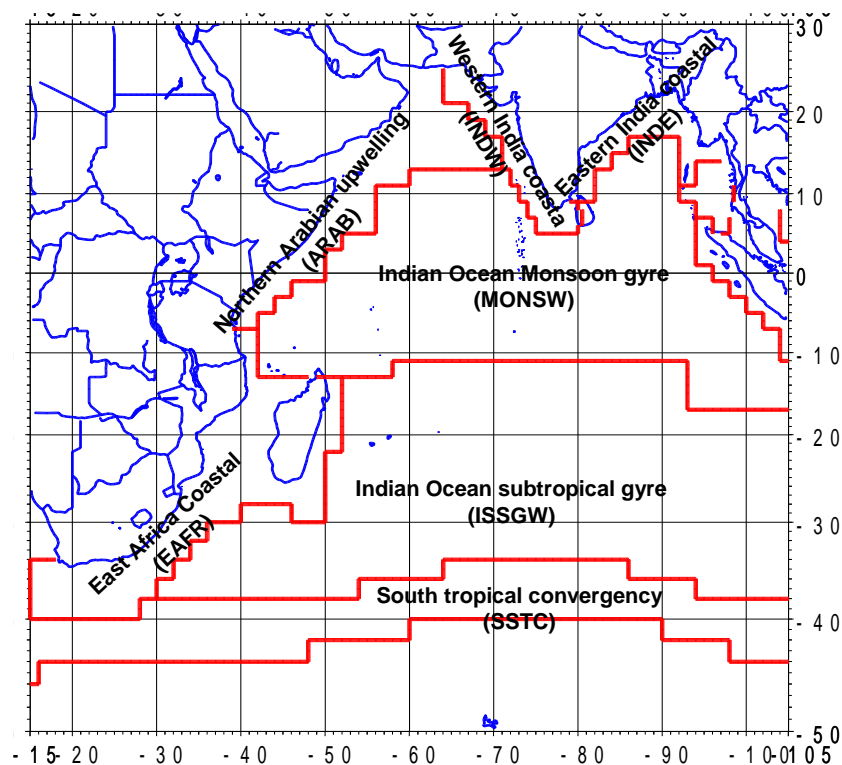
- For Tuna species the Dorsal Fork Length (DFL) are taken
- For swordfish, the Lower maxillary Fork length (LMFL) is recorded
- For Sharks, the total length is recorded

Data Processing

Following data capture, a series of verifications are conducted on the data to exclude all possible data capture errors. Furthermore, the geographical locations of fishing activities

reported data by the skipper is validated using VMS data. With VMS data available, the positions declared on logbook is crosschecked to eliminate data entry errors or to identify positions that that may have been falsify on the logbook. Finally, the data is processed to obtain the final estimated catches for the fishery. The estimated weight of the fish on the logbook is mostly reported for when the fish has been processed on board (e.g., headed, and gutted or gilled). The whole weight of the fish landed is estimated using conversion factor established and approved by the Indian Ocean Tuna Commission.

- For industrial longliners, each month covered in a logbook is considered as one logbook.
- Readers should be aware that the longliners statistics represent only a small sample of longliners activity in the WIO because:
 - Not all longliners in the WIO have a license to fish in the Seychelles EEZ and therefore are under no obligation to report to SFA.
 - Some Distant Water Fishing Nations (DWFN) provide SFA with log sheets covering their activity in the entire Indian Ocean while others confine their report to the Seychelles EEZ only.
- Maps showing the Zones of Indian Ocean for Longline fishery.



Longhurst areas

Semi Industrial Longline Fisheries

The semi-industrial sector comprises of the monofilament longline fishery operating around the Mahe plateaux which started in 1995. On average these vessels remain at sea for a period of 10 days, preserving their catches on ice. This fishery has been developed with the objective of relieving pressure from demersal resources by targeting pelagic fish in deep waters outside the continental plateaux.

The semi-industrial longline gear is used to target large pelagic fishes, such as broadbill swordfish (*Xiphias gladius*), bigeye (*Thunnus obesus*) and yellowfin tuna (*Thunnus albacares*). For trips targeting swordfish and tuna, bycatch (species not targeted but captured) of billfishes (*istiophorid*) such as marlins and sailfish and other species are also caught.

Data Collection

The semi-industrial longline fishery is monitored through a logbook system. Logbooks are distributed by SFA to all skippers of semi-industrial longliners and are collected by fisheries statistical technicians upon the arrivals of the vessel from its fishing trip. The logbook provides most of the fishing trip general information, and the day-by-day catch and effort information. Landing forms from fish processors and fish mongers are also collected for the trips and is used in data processing to obtain the actual catches of the fishery.

Data Processing

Following data capture, a series of verifications are conducted on the data to exclude all possible data capture errors. Furthermore, the geographical locations of fishing activities reported data by the skipper is validated using VMS data. With VMS data available, the positions declared on logbook is crosschecked to eliminate data entry errors or to identify positions that that may have been falsify on the logbook. Finally, the data is processed to obtain the final estimated catches for the fishery. The estimated weight of the fish on the logbook is mostly reported for when the fish has been processed on board (e.g., headed, and gutted or gilled). The whole weight of the fish landed is estimated using conversion factor established and approved by the Indian Ocean Tuna Commission. The estimated catches reported on the logbook is then raised to the total landed catches which provides the final estimated catch for the fishery.

Artisanal Fishery:

The artisanal fishery of the Seychelles is characterized by a wide variety of boats using different gears and catching various species within the Seychelles EEZ. The principal gears used by whalers and schooners are handlines, while the small boats use a multitude of gear combinations, including handlines, traps, encircling gill nets, beach seines and harpoons.

Small boats usually operate within 10 nm of the granitic islands, the ‘inshore’ area, and often in waters adjacent to the vessel mooring and landing sites used. Schooners and whalers target offshore banks and the outer islands, with catches often landed in Port Victoria, Providence Port, or the larger landing sites. Depending on the season and species targeted, whalers may also operate inshore and within or close to the strata where they are based.

All the artisanal fishing vessels target demersal resources such as Lutjanids (snappers), serranids (groupers), lethrinids (capitaines), Scombridae (notably the Indian mackerel), Siganidae (rabbitfish), Lethrinidae (emperors), Sphyrnaeidae (barracuda) and carangidae (carangues). The catches supply the local market demand including hotels and restaurants and some species such as groupers and snappers are exported.

It is to be noted that there are no discards in the artisanal fishery as the fish that are not sold are used as bait or are kept for own consumption by the fishers.

Data Collection

The artisanal fisheries are monitored by a Catch Assessment Survey (CAS) stratified geographically and by boat and gear type. The system is supplemented by data collection from companies that are involved in processing and export of catches from the artisanal fishery. It must be noted that currently the data does not include catches from Sport and recreational fishery.

The primary objective of the CAS is to collect catch, effort, and species composition data to enable timely monitoring and assessment of status and trends in the major artisanal fisheries. The main inner granitic islands of Mahé, Praslin and La Digue, where more than 99% of the population resides, are covered by the surveys. Area stratification is the same for all boat types, whereby the three main islands are further divided into seven strata in relation to the location of landing sites, as follows:

- Mahé (4 strata).
 - MNW – Mahé northwest from Baie Ternay to Glacis;
 - MNE – Mahé northeast from La Retraite to Petit Paris;
 - ME – Mahé east from Cascade to Anse Forban;
 - MW – Mahé west from Takamaka to Port Glaud;
- Praslin/La Digue (3 strata);

- PNE – Praslin northeast from Anse Boudin to Consolation;
- PNW – Praslin northwest from Anse Takamaka to Anse Lazio,
- LD – La Digue Island.

Nested within these strata are a total of 39 landing sites. Landing sites are divided into primary and secondary levels depending on the number of boats and catch landed at the site. A wide variety of species are monitored by the CAS and are collected disaggregated by species.

Fisheries technicians complete 5 types of forms;

- Weekly record form: To collect information of all vessel’s activities based at the site by vessel registration number, their activity, gear type and targeted species.
- Trip and Effort Form: Trip and effort information are collected through interviews of the fishermen and includes trip dates and time, effort, gear type and number, expenses, and geographical information,
- Catch sampling form: The Catch and Effort forms are completed for each boat sampled. The catch from each boat sampled is weighed and recorded by species. If the catch is landed in packets, a maximum of 5 packets per vessel must be weighed for each species-group and the total number of packets must be recorded. In the case of mixed packets, the weight corresponds to the dominant species-group in the packet. Where catches are landed as single units of fish, as many fish as possible must be weighed and recorded for each species-group, and the total number of fish is recorded by species. Samples must always be taken in a random manner. For any boat sampled, the technician must be present at the landing site so that the totality of the catch for the boat is estimate.
- Sales form: For sales information.
- Biological Sampling form: For length frequency data collection

The technicians work 6 days a week and are timetabled for 1 day off during the week on Sunday. A total of 39 sites are monitored each week, including 12 primary and 27 secondary sites where two secondary sites may be covered by a one technician during a day, whereas each technician covers a single primary site each day.

Data Processing

The collected data are captured in the Allegro database and is then processed to obtain the total estimated catch for the artisanal fishery. The data is first used to reconstruct the monthly activity calendar of each vessels using the vessel activity information recorded by the technicians on site and VMS data. All the vessels fishing trips, are then consolidated in the summary file which is then used for estimating total fishing effort and catches. Estimation of fishing effort and catches is calculated by means of data extrapolation. The samples catch and effort data are extrapolated to the total

reconstructed fishing trips to obtain an estimate of total Catches, effort, and species composition for the artisanal Fishery by vessel type, landing sites, gear type and month.

- The catches for artisanal fishery presented here may be slightly different to previously published figures since data previously published as dropline catches has been revised and published as 'Others' to include catches for gears not previously captured by the Artfish software notably dropline, reels and hoop and tangled net. Such gears are mostly used by schooner vessels and Semi-industrial longliners conducting artisanal fishing trips. Hence the catches for schooners may be slightly different to that previously published.

Sea Cucumber Fishery

Sea cucumber harvesting in Seychelles dates to the early 1800s, but the fisheries remained small scale until the late 1990s, when a rapid increase in catch was observed. The increase in demand and price for “beche-de-mer” (dried body wall) led to an evolution in the fishery from the collector type, where fishers collected on foot in shallow areas, to the use of scuba gears as they moved to deeper areas. The higher value species are White teatfish (*Holothuria fuscogilva*), Black teatfish (*Holothuria nobilis*) and Flower teatfish (*Holothuria* spp. (type “Pentard”). Prior to 1999, the fishery was open to all with no management restrictions in place. Declines in catch raised concerns about potential overexploitation of the resources, prompting the establishment of management measures to regulate the fishery. Regulations have been changed and improved over the last 20 years based on both fisheries dependent and independent stock assessments.

The current management regulations for the fishery include:

- A limit of 25 non-transferable fishing licenses and 4 processing licenses
- 8-9 months open fishing season
- Restrictions to only 3 species allowed to be exploited – For the 2021/2022 fishing season the species were, Flower teatfish, White teatfish and Pricky redfish (*Thelenota ananas*)
- A Total Allowable Catch (TAC) – the quota for the 2021/2022 fishing season were 253,125 pieces for flower teatfish, 56,250 pieces for white teatfish and 37,500 pieces for prickly redfish

Licensed vessels are required according to their license conditions to adhere to these regulations and to provide catch and effort data to the SFA. Catches are sold to licensed processors where the sea cucumbers are prepared for exportation. Majority of the processed sea cucumber is sold to foreign markets.

Data Collection

Catch and effort data is collected through paper logbooks that are distributed to skippers during the vessel departure inspection at the beginning of a fishing trip and collected during the landing inspection at the end of the fishing trip. Training is given on how to fill the logbooks at the opening of each fishing season and whenever there are change in skippers. Scuba diving is the only fishing method currently being used to collect sea cucumbers. Following a dive, the logbook needs to be filled out with the following information,

- Diving date
- Fishing site either using GPS position or the fishing grid provided by SFA
- Start and end diving time
- Number of divers
- Depths

- Dive time for each diver
- Catch in numbers of individual species.

Landings catch data is also collected during routine inspection carried out by MCS officers whenever a vessel is offloading. The data includes catch in numbers and in weight by species.

Data Processing

For the 2021/2022 fishing season, data collected from paper logbooks were captured partially in an access database and the SIH-OBSDEB database by the Fisheries Research Department.

Following data capture, the data is verified to ensure that any data entry errors are corrected. The MCS officers record the landings data in an excel spreadsheet. The complete paper logbook data for the previous five fishing seasons is currently unavailable due to a problem with the SIH-OBSDEB database download protocol. All catch data presented in this report is based on landings data.

Lobster Fishery

The Seychelles artisanal spiny lobster fishery targets shallow water lobster stocks around the main granitic islands. Locally, there are four species being exploited, notably, Pronghorn spiny lobster (*Panulirus penicillatus*), Long-legged spiny lobster (*Panulirus longipes*), Painted spiny lobster (*Panulirus versicolor*), and Ornate spiny lobster (*Panulirus ornatus*).

Data Collection

During the lobster fishing season data are collected from fishermen operating on Mahé, Praslin and La Digue through two main sources:

- a) **Fisher Catch and Effort log (FCEL):** Each licensed fishermen is given a logbook to record information on their fishing activities. Information collected included information on catch, effort, and fishing location.
- b) **Sampled Catch and Effort log (SCEL):** SFA research technicians sampled the landed catch directly whenever possible. Information on the species caught, weight and carapace length measures are collected. Interviews are also conducted to determine total effort and fishing location.

The lobster fishery operates on a seasonal and licensed basis; typically, the open season usually last for 3 months (December to March), however, the season length can vary depending on the state of the fishery. The 2021/2022 fishing season was opened for a period of 4 months from the 21st of December 2020 to the 20th April 2021(inclusive of a 1 month extension). A total of 16 licenses were on offer, among which 13 were on Mahe, 2 for Praslin and 1 from La Digue. Since 2011 a compliance bond of SCR5000 was introduced to ensure that licence holders comply to the license conditions such as the submission of all their logbooks at the end of the fishing season.

Fishing activity is carried out from dusk around 6pm to dawn 5am, by 2 to 4 fisherman using outboard engine vessel (often Mini Mahé). The permitted method of fishing in this fishery includes snorkelling, scuba dive and bamboo traps.

Data Processing

The collected data is captured in an access database and following capture the data is verified to correct any data entry errors. The information collected from the FCEL and the SCEL were crosschecked to determine the number of lobsters not sampled for each fishing trip. The average weight for each species was derived from the total weight and total number of lobsters (per species) recorded from the SCEL. The weight of lobsters not sampled for each fishing trip was estimated by raising the average weight of each species to the total number of that species caught. The total catch of lobsters was derived from the sum of weights of lobsters from the SCEL and the total sum of the raised weight of lobsters not sampled. The total effort was based on the total number of fishing trips undertaken. The catch per unit effort (CPUE) was calculated from the total catch in kg and the total effort.

Definitions of terms used

TERMS	DEFINITION
EEZ	Exclusive Economic Zone
WIO	Western Indian Ocean
NEI	Not elsewhere included
VESSELS LICENSED	Vessels licensed to fish in the Seychelles EEZ.
VESSELS COVERED	Vessels for which a logbook has been received containing at least one fishing day during the month; or a vessel that is not fishing yet the SFA knows of its activities.
FISHING DAYS	Days spent at sea minus days on passage, days adrift due to mechanical breakdown or other work stoppage. This may include days spent in searching even if no fish was caught or days spent drifting.
CATCH	MT - Metric Tonne (1000 kg)
CATCH RATE	Total Catch per fishing effort.
TRANSSHIPMENT	Generally, the transfer of tuna fish from a catcher vessel to a 'reefer' or cargo vessel. This normally takes place in port.
LANDING	This also includes fish landed in Port Victoria, Seychelles for the IOT canning factory. Most of this is subsequently re-exported.
COUNTRY OF REGISTRATION	Country in which ownership of the vessel is registered.
FLAG	Country and agreement under which the vessel is managed.

Purse Seine Fishery



1. SUMMARY OF PURSE SEINE FISHERY

1.1. *Vessels Licensed and Active*

- The total number of Purse seiners licensed to fish inside the Seychelles EEZ increased from 38 vessels in 2012 to reach 49 vessels licensed in the year 2015. The number of vessels licensed has since then fluctuated between 44 and 46 vessels licensed per year (table 1.2).
- In the year 2022, 48 purse seiners were licensed to fish in the Seychelles EEZ (table 1.2A) out of which 13 were Seychelles flagged vessels, 28 vessels were licensed under the SFPA (EU) agreement, 4 vessels were operating under a fishing agreement with Mauritius and 2 were operating under a private fishing agreement under South Korean flag. License was also issued to two new vessels, one from Oman and the other one from Tanzania. One vessel changed flag from Spain to Mauritius.
- During the year 2022, the number of supply vessels licensed to operate inside the Seychelles EEZ decreased by 1 vessel to reach 12 supply vessels licensed out of which 6 vessels were licensed under SFPA(EU) Agreement. During the first quarter of the year, 4 supply vessels were licensed under Seychelles flag and one later changed flag to operate under private fishing agreements resulting in 3 vessels operating under private agreements.
- The total number of purse seiners active shows similar historical trend to the number of vessels licensed over the last 10 years with a slight increase in 2015 followed by a slight drop in 2016. The number of vessels active has since then remained more or less constant (table 1.2B). On average 41 vessels were active per month during the year 2022 compared to an average of 40 vessels active per month during the previous year (table 1.2C).

1.2. *Fishing Effort, Catches and Catch Rate in WIO*

- Trend analysis of catches by purse seiners licensed to fish in Seychelles waters over the last 10 years shows a gradual increase from 231,477 MT in 2012 to reach a peak of 439,831 MT in 2018 (figure 1A). This was followed by a decreasing trend in catches to reach 353,675 MT in 2020. In 2021, an increase of 17% was recorded in catch to reach an estimate of 412,922 MT.

The fishing effort, in term of fishing days, has been increasing steadily from 9,696 fishing days in 2012 to reach a peak of 13,825 fishing days in 2016 (figure 1B). The fishing effort subsequently decreased to reach 9,671 fishing days in 2021.

The CPUE shows an increasing trend from 2015 to reach 42.70 MT/fishing day in 2021 (table 1.3 and figure 1C).

- Based on 100% logbook received at the SFA, the total catch in the Western Indian Ocean reported by purse seiners holding licences to fish inside the Seychelles EEZ for the year 2022 is estimated at 403,269 MT, representing a slight decrease of 2% over the estimated catch of 412,922 MT reported in the year 2021 (table 1.3B). This corresponds to a slight decrease of 1% in fishing effort which decreased from 9,671 fishing days estimated for the year 2021 to 9,579 fishing days estimated for the year 2022. The mean catch rate (CPUE) decreased slightly from 42.70 MT/ fishing day in 2021 to 42.10 MT/ fishing day for the year 2022.
- The purse seine tuna catches in the Western Indian Ocean during the first semester of 2022 was estimated at 195,183 MT representing a 5% decrease in catches over the same period in 2021. This was achieved from a fishing effort of 5,124 fishing days thus giving a mean catch rate of 38.09 MT/ fishing day (table 1.3). The total catch during the first semester of 2021 is estimated at 204,960 MT achieved from a fishing effort of 5,330 fishing days with a mean catch rate of 38.46 MT/ fishing day.
- During the second semester of the year 2022, the total catch is estimated at 208,086 MT, achieved from a fishing effort of 4,455 fishing days, similar to the 207,961 MT of catches reported during the same period, the previous year. The fishing effort for the second semester of the year 2021 was estimated at 4,341 fishing days. The catch rate for the second semester decreased from 47.91 MT/ fishing day in the year 2021 to 46.71 MT/ fishing day in the year 2022.

1.2.1. Fishing Effort, Catches and Catch Rate in WIO by Fleet

- As has been the case historically, catches by purse seiners during the year 2022 was dominated by the Spanish fleet accounting for 37% of the total catch whilst the Seychelles and French fleet accounted for 30% and 17% respectively. It must be noted that catches by vessels operating under private agreement also accounted for 17% of the total catches in 2022, representing same level as the French fleet. During the previous year the Spanish, Seychelles and French fleet accounted for 38%, 30% and 19% of the total purse seine catches in WIO respectively.
- In the year 2022, the Spanish fleet reported a total catch of 147,341 MT compared to 157,243 MT during the same period of the previous year, representing a decrease of 6% in catches parallel to a slight increase of 1% in fishing effort which amounted to 3,272 fishing days. The catch rate for the Spanish fleet for the year 2022 and 2021 stand at 45.03 MT/ fishing day and 48.71 MT/ fishing day respectively (table 1.3C).
- The total catch for the Seychelles fleet also recorded a slight decrease of 2% in 2022 to an estimated 120,642 MT compared to 122,885 MT in 2021 corresponding to a slight decrease of 3% in fishing effort. The latter decreased from 3,027 fishing days in 2021 to 2,934 fishing days in 2022. The catch rate for the Seychelles fleet increased from 40.60 MT/ fishing days in 2021 to 41.12 MT/ fishing day in 2022 (table 1.3B).
- The estimated catch for the French fleet decreased by 13% in 2022 from the previous year. A total catch of 68,686 MT was reported to have been caught by the French purse

seiners in 2022 compared to a total catch of 78,726 MT recorded the previous year (table 1.3D). The fishing effort for the French fleet decreased by 11% from 2,005 fishing days in 2021 to 1,783 fishing days in 2022. The catch rate also decreased from 39.27 MT/ fishing day in 2021 to 38.52 MT/ fishing day in the year 2022.

- The remaining 66,600 MT of catches reported for the year 2022 was caught by vessels flagged under Mauritius, Italy, South Korea, Tanzania and Oman. This was achieved from a fishing effort of 1,590 fishing days with a mean catch rate of 41.89 MT/ fishing day. This represents an increase of 23% in catches, achieved from an increase of 13% in fishing effort. During the previous year, vessels under other flags, from Mauritius, Italy, South Korea, reported an estimated catch of 54,067 MT attained from a fishing effort of 1,411 fishing days with a mean catch rate of 38.32 MT/ fishing day (table 1.3E).

1.3. Species Composition of Catches in WIO

- Figure 1J shows the trend in catches by species caught by purse seiners licensed to fish inside the Seychelles EEZ. Historically skipjack tuna dominated the purse seine catches in the Western Indian Ocean (table 1.3). However, during the period 2012 to 2015, yellowfin replaced skipjack tuna as the dominant species caught. Since the introduction of the yellowfin quota in Indian ocean in 2017, the purse seine tuna fishery has reverted back to targeting more skipjack tuna.
- During the year 2022, skipjack tuna dominated the total purse seine catches, accounting for 60% of the total catch followed by yellowfin tuna representing 30% of the total catch, whilst bigeye tuna made up only 9% of the total catch. In 2021, skipjack, yellowfin and bigeye tuna accounted for 61% ,29% and 9% of the total catch respectively.
- In 2022, skipjack tuna catches decreased by 4% from 252,711 MT in 2021 to an estimated total catch of 241,903 MT. The total yellowfin catches were estimated at 120,801 MT, only a slight 1% higher than the 119,571 MT reported for the previous year. Bigeye tuna catches decreased by only 2%, from 37,078 MT in 2021 to 36,362 MT in 2022.
- It must be noted that for the year 2021 and 2022, the species composition reported by the vessels captain on logbooks were not corrected using port sampling species composition data due to technical issues with the data processing software. This may explain the high increase in bigeye tuna catches when compared to previous years.

1.4. Catch by School Type

- Trend analysis of the catch by school type, over the last 10 years shows that purse seiners licensed to fish inside the Seychelles EEZ reported to have fished more on FAD's associated school which accounted for an average of 82% of the total catches per year (table 1.5A and figure 1G).

- In 2022, a total of 325,737 MT of tuna were caught on FAD's associated school representing 81% of the total catch and 76,135 MT or 19% of the total catch was caught on free swimming school. During the previous year, 87% or 357,786 MT of catches were reported to have been caught on FAD's associated schools whilst 13% or 53,543 MT of the catches were reported to have been caught on free swimming school. This represents a 9% decrease in catches on FAD's associated school and a remarkable 42% increase in catches on free swimming school.
- Species wise, 64% of the catch on FAD's associated school were skipjack tuna, 25% were yellowfin tuna and 10% were bigeye tuna in the year 2022, whilst FAD's associated school catches during the previous year consisted of 68% skipjack, 22% yellowfin tuna and 9% bigeye tuna. Catches on free swimming schools were dominated by yellowfin tuna representing 52% of the total catch whilst skipjack and bigeye tuna accounted for 42% and 6% of the catches on free swimming schools respectively in 2022. During 2021, yellowfin tuna accounted for 72% of the total catch whilst skipjack and bigeye tuna accounted for 17% and 11% of the total catches on free swimming schools respectively.

1.5. Activity inside the Seychelles EEZ

- Trend analysis of the purse seine fishery in the Seychelles EEZ shows that catches inside the Seychelles EEZ fluctuated with an increasing trend between the years 2013 and 2020 with a peak of 95,668 MT recorded in the year 2020 from an estimated catch of 36,013 Mt recorded in 2013 (figure 1D). The fishing effort fluctuated with an upward trend from the year 2013 to reach a peak of 4,740 fishing days in 2016 (figure 1E). From 2016 onward, the fishing effort has been on a decreasing trend to a mere 1,579 fishing days in the year 2021. The CPUE analysis shows a downward trend from 18.60 MT/fishing day in 2012 to a dip of 15.70 MT/ fishing day in 2014 followed by an increasing trend to 32.85 MT/ fishing day in 2019. This was followed by a decrease to reach 26.84 in 2021 (figure 1F).
- A record catch of 113,566 MT was reported inside the Seychelles EEZ during the year 2022 representing an extraordinary increase of 170% from the 42,082 MT reported for the year 2021. This is the highest catches reported inside the Seychelles EEZ over the past 20 years in the purse seine fishery in the Indian Ocean. This remarkable catch was achieved from an increase of 88% in fishing effort from 1,579 fishing day in 2021 to 2,972 fishing days in 2022. Consequently, the mean catch rate for 2022 inside the Seychelles EEZ was the highest recorded in the Seychelles EEZ over the past 20 years which stands at 38.22 MT/fishing day compared to 26.65 MT/fishing day in 2021 (table 1.4).
- The purse seine tuna catch reported inside the Seychelles EEZ during the first semester of 2022 is estimated at 76,206 MT (table 1.4A) achieved from a fishing effort of 1,937 fishing days, thus giving a mean catch rate of 39.33 MT/ fishing day. This represents a remarkable increase of 208% in catches corresponding to a 104% increase in fishing effort over the same period, the previous year (table 1.4A). During the first semester of 2021, the purse seine tuna catches reported inside the Seychelles EEZ was

estimated at 24,742 MT (table 1.4A) achieved from a fishing effort of a mere 948 fishing days, thus giving a mean catch rate of 26.10 MT/ fishing day (table 1.4A).

- During the second semester of the year 2022, a total of 37,360 MT of tuna were reported to have been caught by purse seiners inside the Seychelles EEZ obtain from a fishing effort of 1,034 fishing days, thus giving a mean catch rate of 36.12 MT/ fishing day. This represents an increase of 115 % in total catch from 17,340 MT of catches reported during the second semester of 2021 attributed to a 64% increase in fishing effort.
- In 2022, the monthly trend in catches shows that highest catch inside the Seychelles EEZ was recorded in the month of March with total catch of 32,320 MT and highest catch rate was in the month of October with a mean catch rate of 55.73 MT/fishing day. During the previous year, the highest catch was reported in the month of March with an estimated catch of 10,237 MT and the highest catch rate was in the month of September with a mean catch rate of 34.66 MT/fishing day.

1.5.1. Activity inside the Seychelles EEZ by Fleet

- During the year 2022, the Spanish fleet accounted for 36% of the catches in the Seychelles EEZ, compared to 25% during the previous year. The French and Seychelles Fleet accounted for 23% and 24% respectively. During the previous year the French and Seychelles fleet accounted for 32% and 27% of the Seychelles EEZ catches respectively.
- In 2022, the Spanish fleet reported catches inside of the Seychelles EEZ increase by 289% corresponding to a 136% increase in fishing effort when compared to the previous year. The estimated catch reported by the Spanish fleet inside the Seychelles EEZ in 2022 is estimated at 41,311 MT with a mean catch rate of 42.11 MT/fishing day compared to a total estimated catch of 10,622 MT and a mean catch rate of 25.57 MT/fishing day in 2021 (table 1.4C).
- The French fleet reported a total catch of 26,463 MT inside the Seychelles EEZ achieved from a total effort of 694 fishing days during the year 2022, (table 1.4 D). This represents an increase of 94% in catches and 62% increase in fishing effort inside the Seychelles EEZ thus giving an increased mean catch rate of 38.11 MT/fishing day compared to 31.90 MT/fishing day estimated for the previous year.

1.6. Statistics of Seychelles Flagged Vessels

- Trend analysis of the Seychelles flagged purse seine catches over the last 10 years shows a gradual increase since 2012 from 50,938 MT to reach a peak of 123,310 MT in 2018. This was followed by a decreasing trend to reach 112,231 MT in 2020. A 9% increase in catch was recorded in 2021 to reach a total of 122,885 MT. The fishing effort has increased steadily from 1809 fishing days in the year 2013 to reach a peak of 4,092 fishing days in 2016. A decreasing trend was observed from 2016 to 2018 and has since then fluctuate between 2,922 to 3,221 fishing days. The CPUE fluctuated

with an increasing trend from 23.88 MT/ fishing day in 2012 to and 44.25 MT/ fishing day in the year 2018 in the year 2018 and has since then fluctuated to an average of 38.77 MT/ fishing day over the past 4 years .

- The Seychelles flagged purse seiners reported a total catch of 120,642 MT in the WIO in 2022, achieved from a fishing effort of 2,934 fishing days thus giving a mean catch rate of 41.12 MT/fishing day. This represents a slight decrease of 2% and 3% in catches and fishing effort respectively. In 2021 the Seychelles purse seine fleet reported a total catch of 122,885 MT obtained from a fishing effort of 3,027 fishing days with a mean catch rate of 40.60 MT/ fishing day (table 1.3B).
- The catches of the Seychelles purse seine fleet inside the Seychelles EEZ in 2022 is estimated at 26,692MT compared to 11,407 MT during the previous year. This represents an increase of 134% in catches corresponding to an increase of 76% in fishing effort (table 1.4B). The mean catch rate for the Seychelles fleet inside the Seychelles EEZ is estimated at 31.86 MT/ fishing day and 23.95 MT/ fishing day in 2022 and 2021 respectively (table 1.4B).
- In terms of geographical areas, 71% of the Seychelles purse seine fleet catches reported to have been caught on the high seas and 22% of its catches were reported to have been caught inside of the Seychelles EEZ in 2022 whilst the remaining 7% were reported to have been caught in foreign EEZ (table 1.4F). During the previous year, 77% of the Seychelles fleet catches were caught on the high seas and only 9% were reported to have been caught inside the Seychelles EEZ respectively.

1.7. Purse seine statistics by Access Regime

- In 2022, purse seiners licensed to operate inside of the Seychelles EEZ were operating under the National or Seychelles flag licences, Sustainable Fisheries Partnership Agreement with the European Union (EU) agreement and under private agreement with South Korea, Mauritius , Oman and Tanzania hereafter group as 'Others'.
- During the year 2022, vessels fishing under the EU agreement reported a total catch of 69,888 MT or 62% of the total reported catch inside the Seychelles EEZ. This represents an increase of 174% in catches inside the Seychelles EEZ from the 25,482 MT reported in 2021. This was achieved from a fishing effort of 1,745 fishing days thus giving a mean catch rate of 40.05 MT/ fishing day. A total of 881 fishing days and a mean catch rate of 28.94 MT/ fishing day were reported for the year 2021 (table 1.6).
- Vessels under other agreement recorded a remarkable increase of 258% in catches corresponding to a 91% increase in fishing effort inside the Seychelles EEZ during the year 2022 when compared to the previous year. In 2022 vessel under other agreement reported a total catch of 16,987 MT accounting for only 15% of the total EEZ catch obtained from a fishing effort of 389 fishing days with a mean catch rate of 43.68 MT/ fishing day. This compared to an estimated total catch of 4,745 MT for the year 2021 achieved from a fishing effort of 203 fishing days thus giving a mean catch rate of 23.37

MT/ fishing day. The increase in catches for the vessels under other agreement is due to the additional vessel from Oman and Tanzania.

1.8. Landing and Transshipment Statistics

Readers should note that figures presented in this report for landing and transshipment might be slightly different to previously published figures since the figures have been updated to include discards *and bycatch* during unloading which was not previously published. However, SFA cannot publish discards *and bycatch* disaggregated by species during unloading nor discards recorded on logbooks since such data is not provided in a consistent manner by the vessels to SFA. Discards *and bycatch* information are provided by the vessels on their landing and transshipment forms. It must be noted that for previous years, some vessels were reporting both bycatch and discards as “discards” but since the year 2022, most vessels reported bycatch and discards separately. Hence figures for bycatch and discards are not comparable for previous years.

- Time series analysis of landing and transshipment in Port Victoria shows an increasing trend from 186,740 MT in 2012 to reach a peak of 426,981 MT in 2018, which was then followed by a decreasing trend to reach 336,384 MT in 2020 (table 1.7 and figure 1K). Landing and transshipment increased by 16 % to reach a total of 389,542 MT in 2021.
- Like previous years, Port Victoria remained the principal port for tuna transshipment and landing by purse seiners in the WIO during the year 2022. A total of 373,395MT of tuna was unloaded through port Victoria compared to 389,542 MT in 2021. This represents 92% of the total landing and transshipment for that year (figure 1L) and a 4% decrease from the previous year. It must be noted that bycatch and discards accounted for 1.04% and 0.95% of the total catch unloaded in Port Victoria for the years 2022 and 2021 respectively.
- In the year 2022, a total catch of 315,293 MT or 84% of total purse seine catches unloaded in Port Victoria were transhipped onto reefers or into containers for export whilst the remaining 16% or 57,926 MT of tuna were landed in Port Victoria for local processing or sale (table 1.9). In 2021, a total of 325,701 MT of tuna were transhipped and 61,982 MT were landed in Port Victoria. These represent slight decrease of 3% in transshipment and decrease of 9% in landings in port Victoria respectively during the year 2022 when compared to the previous year excluding the bycatch and discards.
- Out of the 315,293 MT of tuna transhipped in Port Victoria, 44% or 139,773 MT were transhipped onto reefer vessels whilst 56% or 175,520 MT were transhipped into containers for export excluding discards (table 1.9). This represents decrease of 26% of tuna transhipped via containers and an increase of 58% of tuna transhipped via reefer vessels respectively when compared to the previous year. In 2021 a total of 88,305 MT or 27% of total tuna transhipped were by reefer vessels and 73% or 237,396 MT of tuna were transhipped into containers excluding bycatch and discards.
- Analysis of catch landed/transhipped in port Victoria by fleet shows that historically,

the Spanish fleet dominated tuna unloading in Port Victoria. In 2022 the Spanish fleet landed and transhipped a total of 139,963 MT of tuna in port Victoria representing 38% of the total catch unloaded in Port Victoria during that year whilst the French and Seychelles fleet accounted for 16% (or 59,195 MT) and 31% (or 114,239 MT) respectively (table 1.8). During the previous year, the Spanish fleet accounted for 40% (or 157,326 MT) of landing and transhipment in Port Victoria whilst the French and Seychelles fleet accounted for 18% (or 68,600 MT) and 29% (or 113,958 MT) respectively.

1.9. Fishing Ground

- Map 1A and 1B show the distribution of reported catch of purse seiner by 1^o square in the WIO for the years 2021 and 2022 respectively. Map 1C and 1D shows the distribution of reported catch of purse seiner by 1^o square in the WIO for the 1st Semester of 2021 and 2022 respectively whilst maps 1E and 1F show the distribution of reported catch of purse seiner by 1^o square in the WIO for the 2nd Semester of 2021 and 2022 respectively.
- Maps 1B shows an increased in total catches in the NW and SE Seychelles area, an increase in yellowfin catches in the Seychelles area with a decrease in catches in the Arabian Sea area in 2022 when compared that of the previous year (Map 1A).
- Maps 1D shows decreased catches in the Arabian sea and East Somalia area with increased catches in the SE Seychelles area during the first semester of 2022 when compared to the same period in 2021 (Map 1C).
- Maps 1F shows similar fishing pattern with catches spreading more towards NW Seychelles and a higher catches of yellowfin tuna in the Seychelles area in the second semester of 2022 when compared to the same period the previous year (map 1E).

TABLE 1.2. Purse Seiners and Supply Vessels Holding Licenses by Country of Registration by Year

(Database Closed on 15/08/2023)

Vessel Type: Purse Seiners

Years: 2012 - 2022

Access Regime	Country	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
National	Seychelles	8	7	11	13	13	13	13	13	13	13	13
National Total		8	7	11	13	13	13	13	13	13	13	13
EU	Spain	15	14	15	17	16	14	14	15	15	16	16
	France	10	8	13	13	12	12	12	12	11	11	11
	Italy				1	1	1	1	1	1	1	1
EU Total		25	22	28	31	29	27	27	28	27	28	28
Others	Mauritius		2	2	2	2	2	2	3	3	3	4
	Mayotte	5	5									
	Korea, South	1	3	4	5	5	4	2	2	2	2	2
	Tanzania, United Republic of											1
	Oman											1
Others Total		6	10	6	7	7	6	4	5	5	5	8
		38	39	44	49	49	46	44	45	45	46	48

* Number of Vessels change of flag	1		1	2					1			1
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Vessel Type: Supply Vessels

Years: 2012 - 2022

Access Regime	Country	2012	2013	2014	2015	2016	Year 2017	2018	2019	2020	2021	2022
National	Seychelles	3	4	6	7	9	8	7	6	5	4	4
National Total		3	4	6	7	9	8	7	6	5	4	4
EU	Spain	5	6	10	11	11	11	11	6	6	5	4
	France					1	1	2	2	3	2	2
	Italy							1	1			
EU Total		5	6	10	11	12	12	14	9	9	7	6
Others	Korea						1	1	1	1	1	1
	Mauritius				1	1	1	1	1	1	1	1
	Tanzania, United Republic of											1
Others Total		0	0	0	1	1	2	2	2	2	2	3
	Annual Total	8	10	16	19	22	22	22	17	16	13	12

* Number of Vessels change of flag								1				1
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TABLE 1.2A. Purse Seiners Holding Licenses by Country of Registration

(Database Closed on 15/08/2023)

Year: 2021

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Tanzania	Oman	Total
Jan	13	15	11	1	2	3	0	0	45
Feb	13	16	11	1	2	3	0	0	46
Mar	13	16	11	1	2	3	0	0	46
Apr	13	16	11	1	2	3	0	0	46
May	13	16	11	1	2	3	0	0	46
Jun	13	16	11	1	2	3	0	0	46
Jul	13	16	11	1	2	3	0	0	46
Aug	13	16	11	1	2	3	0	0	46
Sep	13	16	11	1	2	3	0	0	46
Oct	13	16	11	1	2	3	0	0	46
Nov	13	16	11	1	2	3	0	0	46
Dec	13	16	11	1	2	3	0	0	46
Year Average	13	16	11	1	2	3	0	0	46
Quarter 1	13	16	11	1	2	3	0	0	46
Quarter 2	13	16	11	1	2	3	0	0	46
Quarter 3	13	16	11	1	2	3	0	0	46
Quarter 4	13	16	11	1	2	3	0	0	46
First Semester	13	16	11	1	2	3	0	0	46
Second Semester	13	16	11	1	2	3	0	0	46

Year: 2022

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Tanzania	Oman	Total
Jan	13	16	11	1	2	3	0	0	46
Feb	13	16	11	1	2	3	0	0	46
Mar	13	15	10	1	2	3	1	0	45
Apr	13	15	10	1	2	3	1	0	45
May	13	15	10	1	2	3	1	0	45
Jun	13	15	10	1	2	3	1	0	45
Jul	13	15	10	1	2	3	1	1	46
Aug	13	15	10	1	2	3	1	1	46
Sep	13	15	10	1	2	3	1	1	46
Oct	13	15	10	1	2	4	1	1	47
Nov	13	14	10	1	2	4	1	1	46
Dec	13	14	10	1	2	4	1	1	46
Year Average	13	15	10	1	2	3	1	1	46
Quarter 1	13	16	11	1	2	3	0	0	46
Quarter 2	13	15	10	1	2	3	1	0	45
Quarter 3	13	15	10	1	2	3	1	1	46
Quarter 4	13	14	10	1	2	4	1	1	46
First Semester	13	15	10	1	2	3	1	0	45
Second Semester	13	15	10	1	2	4	1	1	46

TABLE 1.2B. Purse Seiners Active by Country of Registration by year

(Database Closed on 15/08/2023)

Years: 2012 - 2022

Access Regime	Country	Year										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
National	Seychelles	8	7	10	13	13	13	13	13	13	13	13
National Total		8	7	10	13	13	13	13	13	13	13	13
EU	Spain	15	14	15	17	14	14	14	15	15	16	15
	France	10	8	13	12	12	12	12	12	10	11	10
	Italy				1	1	1	1	1	1	1	1
EU Total		25	22	28	30	27	27	27	28	26	28	26
Others	Mauritius		1	2	2	2	2	2	3	3	3	4
	Mayotte	5	5									
	Korea	1	3	4	5	5	3	2	2	2	2	2
	Tanzania, United Republic of											1
	Oman											1
Others Total		6	9	6	7	7	5	4	5	5	5	8
	Annual Total	38	38	43	49	47	45	44	45	44	46	47

TABLE 1.2C. Purse Seiners Active by Country of Registration

(Database Closed on 15/08/2023)

Year: 2021

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Tanzania	Oman	Total
Jan	13	12	11	1	2	3	0	0	42
Feb	13	13	11	1	2	3	0	0	43
Mar	13	15	11	1	2	3	0	0	45
Apr	13	14	11	1	2	3	0	0	44
May	12	14	10	1	2	3	0	0	42
Jun	13	13	9	1	2	3	0	0	41
Jul	13	12	9	1	2	3	0	0	40
Aug	13	13	10	1	2	3	0	0	42
Sep	13	14	10	1	2	3	0	0	43
Oct	12	11	10	1	2	3	0	0	39
Nov	7	7	9	1	2	3	0	0	29
Dec	3	10	9	1	2	3	0	0	28
Year Average	12	12	10	1	2	3	0	0	40
Quarter 1	13	13	11	1	2	3	0	0	43
Quarter 2	13	14	10	1	2	3	0	0	42
Quarter 3	13	13	10	1	2	3	0	0	42
Quarter 4	7	9	9	1	2	3	0	0	32
First Semester	13	14	11	1	2	3	0	0	43
Second Semester	10	11	10	1	2	3	0	0	37

Year: 2022

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Tanzania	Oman	Total
Jan	12	13	10	1	2	3	0	0	41
Feb	13	14	10	1	2	3	0	0	43
Mar	13	15	10	1	2	2	1	0	44
Apr	13	14	10	1	2	3	1	0	44
May	12	12	8	1	2	3	1	0	39
Jun	12	10	10	0	2	3	1	0	38
Jul	12	14	10	0	2	3	1	1	43
Aug	13	15	10	1	2	3	1	1	46
Sep	12	15	10	1	1	3	1	1	44
Oct	13	14	10	1	2	4	1	1	46
Nov	9	9	9	1	2	3	1	1	35
Dec	4	9	9	1	2	3	1	1	30
Year Average	12	13	10	1	2	3	1	1	41
Quarter 1	13	14	10	1	2	3	0	0	43
Quarter 2	12	12	9	1	2	3	1	0	40
Quarter 3	12	15	10	1	2	3	1	1	44
Quarter 4	9	11	9	1	2	3	1	1	37
First Semester	13	13	10	1	2	3	1	0	42
Second Semester	11	13	10	1	2	3	1	1	41

TABLE 1.3 Time Series of Catch, Effort and Catch Rate Statistics for Purse Seiners in the WIO

(Database Closed on 15/08/2023)

Country: ALL

Semester 1, Years: 2012 - 2022

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2012	4,599	26.57	67,813	55	42,909	35	10,480	9	996	1	21	0	122,219
2013	4,802	25.87	60,320	49	51,469	41	11,933	10	351	0	131	0	124,204
2014	5,674	24.23	68,865	50	57,157	42	11,165	8	268	0	39	0	137,494
2015	5,977	24.84	74,033	50	57,523	39	16,386	11	413	0	119	0	148,473
2016	6,823	23.07	68,709	44	78,815	50	9,509	6	348	0	45	0	157,426
2017	6,356	29.47	84,484	45	83,129	44	19,047	10	433	0	216	0	187,309
2018	5,744	41.04	73,335	31	146,489	62	14,339	6	46	0	1,525	1	235,734
2019	5,256	38.15	69,559	35	115,216	57	15,115	8	116	0	478	0	200,485
2020	5,662	29.06	53,928	33	102,736	62	6,515	4	45	0	1,330	1	164,553
2021	5,330	38.46	65,401	32	116,749	57	21,063	10	117	0	1,632	1	204,960
2022	5,124	38.09	58,878	30	118,889	61	15,846	8	20	0	1,550	1	195,183

Country: ALL

Semester 2, Years: 2012 - 2022

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2012	5,096	21.44	63,244	58	39,254	36	6,515	6	210	0	36	0	109,258
2013	5,382	28.55	75,041	49	65,584	43	12,827	8	148	0	75	0	153,675
2014	6,115	22.95	57,935	41	71,948	51	10,071	7	256	0	132	0	140,343
2015	6,779	20.83	61,763	44	70,620	50	8,653	6	124	0	70	0	141,230
2016	7,002	27.78	78,054	40	103,209	53	12,927	7	73	0	239	0	194,501
2017	5,062	35.45	53,485	30	114,551	64	10,561	6	39	0	812	0	179,448
2018	5,145	39.67	66,938	33	127,827	63	8,923	4	57	0	354	0	204,097
2019	4,860	42.38	59,348	29	136,914	66	9,045	4	41	0	623	0	205,971
2020	4,886	38.71	56,824	30	120,867	64	10,188	5	90	0	1,151	1	189,121
2021	4,341	47.91	54,170	26	135,962	65	16,015	8	48	0	1,766	1	207,961
2022	4,455	46.71	61,924	30	123,014	59	20,516	10	19	0	2,614	1	208,086

Country: ALL

Years: 2012 - 2022

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2012	9,696	23.87	131,057	57	82,163	35	16,995	7	1,206	1	56	0	231,477
2013	10,184	27.29	135,361	49	117,053	42	24,760	9	499	0	206	0	277,879
2014	11,789	23.57	126,800	46	129,105	46	21,236	8	524	0	172	0	277,837
2015	12,756	22.71	135,797	47	128,143	44	25,039	9	537	0	188	0	289,704
2016	13,825	25.46	146,763	42	182,024	52	22,435	6	421	0	284	0	351,927
2017	11,418	32.12	137,970	38	197,680	54	29,608	8	472	0	1,027	0	366,757
2018	10,889	40.39	140,273	32	274,315	62	23,261	5	103	0	1,879	0	439,831
2019	10,115	40.18	128,907	32	252,131	62	24,160	6	157	0	1,100	0	406,455
2020	10,548	33.53	110,752	31	223,603	63	16,702	5	135	0	2,481	1	353,675
2021	9,671	42.70	119,571	29	252,711	61	37,078	9	165	0	3,397	1	412,922
2022	9,579	42.10	120,801	30	241,903	60	36,362	9	39	0	4,164	1	403,269

TABLE 1.3A Monthly Catch, Effort and Catch Rate Statistics for All Purse Seiners in the WIO

(Database Closed on 15/08/2023)

Country: ALL

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	45	42	934	33.44	16,644	53	11,001	35	3,494	11	28	0	71	0	31,238
Feb	46	43	802	60.69	15,430	32	27,278	56	5,787	12	11	0	164	0	48,669
Mar	46	45	949	39.39	9,880	26	23,251	62	3,667	10	12	0	564	2	37,373
Apr	46	44	873	40.12	6,616	19	25,434	73	2,603	7	8	0	346	1	35,006
May	46	42	878	30.11	5,813	22	18,337	69	1,978	7	5	0	318	1	26,450
Jun	46	41	894	29.34	11,019	42	11,448	44	3,535	13	52	0	169	1	26,223
Jul	46	40	910	28.64	7,089	27	16,125	62	2,606	10	27	0	211	1	26,056
Aug	46	42	941	49.25	9,854	21	32,374	70	3,362	7	5	0	763	2	46,358
Sep	46	43	834	62.04	15,627	30	32,005	62	3,870	7	6	0	269	1	51,776
Oct	46	39	683	64.10	10,225	23	30,132	69	3,187	7	5	0	239	1	43,788
Nov	46	29	444	57.43	6,427	25	17,070	67	1,850	7	6	0	160	1	25,513
Dec	46	28	528	27.40	4,948	34	8,256	57	1,141	8	0	0	125	1	14,470
Annual	46	40	9,671	42.70	119,571	29	252,711	61	37,078	9	165	0	3397	1	412,922
Quarter 1	46	43	2,685	43.68	41,953	36	61,530	52	12,947	11	51	0	799	1	117,281
Quarter 2	46	42	2,645	33.15	23,448	27	55,219	63	8,115	9	65	0	832	1	87,679
Quarter 3	46	42	2,686	46.24	32,569	26	80,504	65	9,837	8	38	0	1242	1	124,190
Quarter 4	46	32	1,655	50.61	21,601	26	55,458	66	6,178	7	10	0	523	1	83,771
First Semester	46	43	5,330	38.46	65,401	32	116,749	57	21,063	10	117	0	1632	1	204,960
Second Semester	46	37	4,341	47.91	54,170	26	135,962	65	16,015	8	48	0	1766	1	207,961

Country: ALL

Year: 2022

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	46	41	882	41.86	9,443	26	23,731	64	3,522	10	6	0	236	1	36,937
Feb	46	43	851	48.85	16,958	41	20,812	50	3,354	8	5	0	430	1	41,560
Mar	45	44	902	46.05	15,054	36	23,584	57	2,604	6	3	0	293	1	41,538
Apr	45	44	898	36.19	8,039	25	21,763	67	2,557	8	2	0	133	0	32,494
May	45	39	840	30.94	4,786	18	19,154	74	1,872	7	3	0	186	1	26,001
Jun	45	38	751	22.18	4,599	28	9,845	59	1,937	12	1	0	271	2	16,653
Jul	46	43	926	34.36	11,188	35	17,540	55	2,931	9	4	0	162	1	31,826
Aug	46	46	947	40.57	11,932	31	21,992	57	4,282	11	5	0	201	1	38,412
Sep	46	44	932	57.92	14,983	28	32,735	61	5,588	10	6	0	649	1	53,961
Oct	47	46	780	64.35	14,353	29	31,286	62	3,987	8	2	0	577	1	50,206
Nov	46	35	450	47.22	5,871	28	12,342	58	2,430	11	1	0	608	3	21,251
Dec	46	30	420	29.58	3,596	29	7,119	57	1,298	10	0	0	418	3	12,430
Annual	46	41	9,579	42.10	120,801	30	241,903	60	36,362	9	39	0	4,164	1	403,269
Quarter 1	46	43	2,635	45.55	41,454	35	68,127	57	9,480	8	14	0	960	1	120,035
Quarter 2	45	40	2,489	30.19	17,424	23	50,762	68	6,366	8	6	0	590	1	75,148
Quarter 3	46	44	2,805	44.28	38,103	31	72,267	58	12,801	10	16	0	1,011	1	124,199
Quarter 4	46	37	1,650	50.83	23,820	28	50,747	60	7,715	9	3	0	1,603	2	83,887
First Semester	45	42	5,124	38.09	58,878	30	118,889	61	15,846	8	20	0	1,550	1	195,183
Second Semester	46	41	4,455	46.71	61,924	30	123,014	59	20,516	10	19	0	2,614	1	208,086

TABLE 1.3B Monthly Catch, Effort and Catch Rate Statistics for Seychelles Flagged Purse Seiners in the WIO

(Database Closed on 15/08/2023)

Country: SEYCHELLES

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate		Catches (MT)								Total Catch (Mt)	
				(MT/Fishing day)	Yellowfin (Mt) (%)	Skipjack (Mt) (%)	Bigeye (Mt) (%)	Albacore (Mt) (%)	Others (Mt) (%)						
Jan	13	13	321	31.95	3,221	31	5,793	56	1,212	12	1	0	37	0	10,265
Feb	13	13	275	47.21	3,466	27	8,020	62	1,453	11	2	0	44	0	12,986
Mar	13	13	320	35.77	2,510	22	7,519	66	1,339	12	1	0	90	1	11,459
Apr	13	13	267	40.16	2,040	19	7,943	74	661	6	1	0	67	1	10,713
May	13	12	257	37.14	2,053	21	6,889	72	578	6	0	0	44	0	9,563
Jun	13	13	292	24.04	1,901	27	4,186	60	818	12	10	0	103	1	7,018
Jul	13	13	344	26.17	2,382	26	5,803	64	776	9	12	0	39	0	9,012
Aug	13	13	315	47.42	3,201	21	10,579	71	1,117	7	2	0	43	0	14,942
Sep	13	13	286	61.62	4,002	23	12,069	69	1,378	8	0	0	157	1	17,606
Oct	13	12	195	60.72	2,650	22	7,919	67	1,099	9	0	0	146	1	11,815
Nov	13	7	78	59.73	1,328	28	2,768	59	518	11	0	0	52	1	4,667
Dec	13	3	76	37.34	651	23	1,903	67	280	10	0	0	7	0	2,840
Annual	13	12	3,027	40.60	29,407	24	81,390	66	11,230	9	29	0	829	1	122,885
Quarter 1	13	13	917	37.87	9,198	26	21,332	61	4,005	12	4	0	171	0	34,710
Quarter 2	13	13	816	33.44	5,995	22	19,017	70	2,057	8	11	0	214	1	27,294
Quarter 3	13	13	945	43.97	9,585	23	28,451	68	3,271	8	14	0	239	1	41,560
Quarter 4	13	7	349	55.40	4,629	24	12,591	65	1,897	10	0	0	205	1	19,322
First Semester	13	13	1,733	35.78	15,193	25	40,349	65	6,062	10	15	0	385	1	62,004
Second Semester	13	10	1,294	47.05	14,214	23	41,042	67	5,168	8	14	0	444	1	60,882

Country: SEYCHELLES

Year: 2022

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate		Catches (MT)								Total Catch (Mt)	
				(MT/Fishing day)	Yellowfin (Mt) (%)	Skipjack (Mt) (%)	Bigeye (Mt) (%)	Albacore (Mt) (%)	Others (Mt) (%)						
Jan	13	12	268	34.95	2,152	23	6,391	68	773	8	0	0	55	1	9,372
Feb	13	13	268	49.16	3,669	28	8,268	63	996	8	0	0	244	2	13,178
Mar	13	13	296	37.29	3,955	36	6,164	56	821	7	0	0	86	1	11,026
Apr	13	13	274	38.69	2,738	26	7,025	66	795	8	0	0	27	0	10,585
May	13	12	253	34.10	1,776	21	6,101	71	687	8	0	0	69	1	8,633
Jun	13	12	251	20.40	1,189	23	3,436	67	432	8	0	0	64	1	5,121
Jul	13	12	309	31.14	3,307	34	5,373	56	927	10	0	0	25	0	9,632
Aug	13	13	278	46.56	3,029	23	8,553	66	1,264	10	0	0	90	1	12,935
Sep	13	12	300	55.20	3,514	21	11,208	68	1,483	9	0	0	338	2	16,543
Oct	13	13	228	69.36	3,568	23	10,999	70	1,069	7	0	0	157	1	15,794
Nov	13	9	131	44.44	1,423	25	3,569	61	667	11	0	0	147	3	5,806
Dec	13	4	79	25.54	657	33	1,161	58	162	8	0	0	38	2	2,017
Annual	13	12	2,934	41.12	30,978	26	78,250	65	10,074	8	0	0	1,340	1	120,642
Quarter 1	13	13	832	40.36	9,776	29	20,824	62	2,590	8	0	0	385	1	33,576
Quarter 2	13	12	778	31.29	5,703	23	16,562	68	1,914	8	0	0	160	1	24,339
Quarter 3	13	12	887	44.10	9,850	25	25,134	64	3,673	9	0	0	453	1	39,110
Quarter 4	13	9	437	54.00	5,648	24	15,730	67	1,897	8	0	0	342	1	23,617
First Semester	13	13	1,610	35.98	15,479	27	37,386	65	4,504	8	0	0	545	1	57,915
Second Semester	13	11	1,324	47.37	15,498	25	40,864	65	5,570	9	0	0	794	1	62,727

TABLE 1.3C Monthly Catch, Effort and Catch Rate Statistics for Spanish Purse Seiners in the WIO

(Database Closed on 15/08/2023)

Country: SPAIN

Year: 2021

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
	Licensed (Number)	Covered (Number)			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	15	12	288	32.24	4,562	49	3,196	34	1,503	16	18	0	19	0	9,297
Feb	16	13	277	79.13	6,210	28	12,598	57	3,025	14	0	0	108	0	21,941
Mar	16	15	278	45.54	2,692	21	8,268	65	1,338	11	5	0	372	3	12,676
Apr	16	14	333	43.98	2,364	16	11,002	75	1,103	8	2	0	194	1	14,665
May	16	14	332	33.46	2,493	22	7,588	68	784	7	0	0	260	2	11,125
Jun	16	13	313	35.36	4,327	39	4,588	41	2,063	19	24	0	56	1	11,058
Jul	16	12	304	37.02	3,245	29	6,447	57	1,403	12	7	0	155	1	11,257
Aug	16	13	325	58.45	3,909	21	12,898	68	1,512	8	0	0	668	4	18,987
Sep	16	14	298	70.47	7,138	34	12,127	58	1,684	8	0	0	28	0	20,977
Oct	16	11	202	73.32	3,829	26	9,626	65	1,333	9	0	0	26	0	14,814
Nov	16	7	97	68.59	1,947	29	4,110	62	563	8	0	0	37	1	6,658
Dec	16	10	180	21.03	2,344	62	1,142	30	288	8	0	0	14	0	3,788
Annual	16	12	3,228	48.71	45,059	29	93,591	60	16,599	11	57	0	1,937	1	157,243
Quarter 1	16	13	844	52.03	13,464	31	24,062	55	5,866	13	23	0	499	1	43,914
Quarter 2	16	14	979	37.65	9,183	25	23,178	63	3,950	11	26	0	510	1	36,848
Quarter 3	16	13	927	55.28	14,292	28	31,472	61	4,600	9	7	0	850	2	51,221
Quarter 4	16	9	479	52.71	8,120	32	14,879	59	2,183	9	0	0	77	0	25,260
First Semester	16	14	1,823	44.31	22,647	28	47,240	58	9,816	12	49	0	1,010	1	80,762
Second Semester	16	11	1,406	54.40	22,412	29	46,351	61	6,783	9	7	0	927	1	76,481

Country: SPAIN

Year: 2022

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
	Licensed (Number)	Covered (Number)			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	16	13	323	52.22	4,243	25	10,797	64	1,791	11	0	0	51	0	16,882
Feb	16	14	308	54.25	6,983	42	8,145	49	1,493	9	0	0	84	1	16,705
Mar	15	15	337	54.50	5,706	31	11,412	62	1,144	6	0	0	127	1	18,389
Apr	15	14	325	34.96	2,670	23	7,687	68	972	9	0	0	36	0	11,365
May	15	12	268	23.73	1,239	19	4,692	74	380	6	0	0	48	1	6,358
Jun	15	10	207	21.40	1,216	27	2,567	58	626	14	0	0	17	0	4,426
Jul	15	14	339	42.64	4,361	30	8,447	58	1,613	11	0	0	45	0	14,466
Aug	15	15	352	43.48	4,415	29	8,556	56	2,272	15	0	0	54	0	15,298
Sep	15	15	330	65.05	5,363	25	12,882	60	3,052	14	2	0	154	1	21,453
Oct	15	14	236	65.05	3,891	25	9,429	62	1,903	12	0	0	100	1	15,323
Nov	14	9	81	36.50	583	20	1,749	59	560	19	0	0	73	2	2,966
Dec	14	9	166	22.33	1,641	44	1,552	42	487	13	0	0	31	1	3,710
Annual	15	13	3,272	45.03	42,311	29	87,915	60	16,293	11	2	0	820	1	147,341
Quarter 1	16	14	969	53.66	16,932	33	30,355	58	4,428	9	0	0	262	1	51,976
Quarter 2	15	12	800	27.69	5,124	23	14,946	67	1,978	9	0	0	100	0	22,149
Quarter 3	15	15	1,021	50.17	14,140	28	29,884	58	6,937	14	2	0	253	0	51,217
Quarter 4	14	11	483	45.55	6,115	28	12,730	58	2,950	13	0	0	204	1	21,999
First Semester	15	13	1,769	41.91	22,056	30	45,301	61	6,405	9	0	0	363	0	74,125
Second Semester	15	13	1,504	48.69	20,255	28	42,614	58	9,888	14	2	0	457	1	73,216

TABLE 1.3D Monthly Catch, Effort and Catch Rate Statistics for French Purse Seiners in the WIO

(Database Closed on 15/08/2023)

Country: FRANCE

Year: 2021

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
	Licensed (Number)	Covered (Number)			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	11	11	189	36.03	5,210	77	1,173	17	397	6	6	0	14	0	6,800
Feb	11	11	142	54.55	3,035	39	4,001	52	706	9	7	0	8	0	7,758
Mar	11	11	212	36.48	2,828	37	4,264	55	573	7	6	0	56	1	7,727
Apr	11	11	197	32.55	1,689	26	4,138	65	501	8	4	0	73	1	6,405
May	11	10	152	20.37	879	28	1,874	61	318	10	4	0	13	0	3,089
Jun	11	9	171	31.36	3,029	57	1,758	33	545	10	16	0	6	0	5,354
Jul	11	9	141	20.61	729	25	1,939	67	224	8	3	0	8	0	2,903
Aug	11	10	172	40.45	1,554	22	5,054	73	316	5	2	0	36	1	6,962
Sep	11	10	161	54.09	2,885	33	5,237	60	526	6	4	0	78	1	8,730
Oct	11	10	162	62.56	2,235	22	7,501	74	335	3	4	0	49	0	10,124
Nov	11	9	154	50.73	1,796	23	5,664	72	312	4	6	0	58	1	7,835
Dec	11	9	152	33.10	1,394	28	3,123	62	428	8	0	0	93	2	5,038
Annual	11	10	2,005	39.27	27,264	35	45,726	58	5,182	7	61	0	493	1	78,726
Quarter 1	11	11	543	41.06	11,074	50	9,439	42	1,676	8	19	0	78	0	22,286
Quarter 2	11	10	519	28.60	5,597	38	7,770	52	1,364	9	24	0	93	1	14,848
Quarter 3	11	10	474	39.20	5,167	28	12,230	66	1,067	6	9	0	122	1	18,595
Quarter 4	11	9	468	49.09	5,426	24	16,288	71	1,075	5	9	0	200	1	22,997
First Semester	11	11	1,062	34.97	16,671	45	17,208	46	3,040	8	43	0	171	0	37,134
Second Semester	11	10	943	44.11	10,593	25	28,518	69	2,142	5	18	0	322	1	41,592

Country: FRANCE

Year: 2022

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
	Licensed (Number)	Covered (Number)			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	11	10	179	38.39	1,967	29	4,227	61	591	9	4	0	86	1	6,876
Feb	11	10	167	41.20	3,805	55	2,437	35	545	8	4	0	90	1	6,880
Mar	10	10	169	44.76	3,716	49	3,419	45	376	5	2	0	71	1	7,585
Apr	10	10	160	32.99	1,366	26	3,541	67	340	6	1	0	46	1	5,294
May	10	8	156	29.44	748	16	3,411	74	382	8	1	0	47	1	4,589
Jun	10	10	190	25.73	1,444	30	2,805	58	494	10	1	0	133	3	4,877
Jul	10	10	150	23.88	1,956	55	1,356	38	178	5	2	0	82	2	3,574
Aug	10	10	159	34.76	2,735	50	2,383	43	353	6	5	0	35	1	5,510
Sep	10	10	166	48.20	2,687	34	4,752	59	420	5	1	0	141	2	8,002
Oct	10	10	155	63.33	3,796	39	5,388	55	359	4	2	0	268	3	9,814
Nov	10	9	107	49.87	1,817	34	2,884	54	569	11	1	0	87	2	5,360
Dec	10	9	25	13.08	81	25	219	67	26	8	0	0	1	0	326
Annual	10	10	1,783	38.52	26,119	38	36,823	54	4,634	7	24	0	1,086	2	68,686
Quarter 1	11	10	516	41.39	9,488	44	10,083	47	1,513	7	10	0	247	1	21,341
Quarter 2	10	9	506	29.18	3,559	24	9,757	66	1,216	8	3	0	225	2	14,760
Quarter 3	10	10	474	36.03	7,378	43	8,492	50	951	6	8	0	258	2	17,087
Quarter 4	10	9	287	53.94	5,694	37	8,491	55	955	6	3	0	356	2	15,499
First Semester	10	10	1,021	35.34	13,047	36	19,840	55	2,728	8	13	0	473	1	36,101
Second Semester	10	10	762	42.79	13,072	40	16,983	52	1,905	6	11	0	614	2	32,585

TABLE 1.3E Monthly Catch, Effort and Catch Rate Statistics for Purse Seiners NEI in the WIO

(Database Closed on 15/08/2023)

Country: OTHERS

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	6	6	136	35.92	3,650	75	839	17	383	8	3	0	1	0	4,875
Feb	6	6	107	55.73	2,718	45	2,659	44	602	10	2	0	5	0	5,985
Mar	6	6	138	39.83	1,849	34	3,200	58	416	8	0	0	45	1	5,511
Apr	6	6	76	42.61	522	16	2,352	73	337	10	1	0	12	0	3,223
May	6	6	137	19.55	388	15	1,986	74	298	11	1	0	0	0	2,673
Jun	6	6	118	23.59	1,762	63	916	33	109	4	2	0	4	0	2,793
Jul	6	6	121	23.91	733	25	1,936	67	202	7	4	0	9	0	2,884
Aug	6	6	129	42.28	1,190	22	3,843	70	415	8	1	0	17	0	5,467
Sep	6	6	90	49.74	1,603	36	2,571	58	282	6	2	0	5	0	4,463
Oct	6	6	125	56.45	1,511	21	5,085	72	419	6	1	0	18	0	7,034
Nov	6	6	115	55.46	1,355	21	4,528	71	458	7	0	0	12	0	6,354
Dec	6	6	120	23.44	559	20	2,088	74	146	5	0	0	11	0	2,805
Annual	6	6	1,411	38.32	17,841	33	32,003	59	4,068	8	17	0	138	0	54,067
Quarter 1	6	6	381	42.92	8,217	50	6,698	41	1,401	9	5	0	51	0	16,371
Quarter 2	6	6	331	26.27	2,672	31	5,254	60	744	9	4	0	16	0	8,690
Quarter 3	6	6	340	37.72	3,525	28	8,350	65	900	7	7	0	31	0	12,814
Quarter 4	6	6	359	45.12	3,426	21	11,701	72	1,023	6	1	0	41	0	16,192
First Semester	6	6	712	35.18	10,889	43	11,951	48	2,145	9	9	0	66	0	25,061
Second Semester	6	6	699	41.53	6,951	24	20,052	69	1,923	7	8	0	72	0	29,006

Country: OTHERS

Year: 2022

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	6	6	112	34.02	1,080	28	2,315	61	366	10	2	0	45	1	3,808
Feb	6	6	108	44.52	2,501	52	1,962	41	321	7	1	0	12	0	4,797
Mar	7	6	99	45.63	1,676	37	2,588	57	264	6	1	0	8	0	4,538
Apr	7	7	139	37.84	1,265	24	3,510	67	451	9	1	0	24	0	5,251
May	7	7	163	39.33	1,023	16	4,950	77	423	7	2	0	22	0	6,421
Jun	7	6	103	21.59	749	34	1,036	46	385	17	0	0	58	3	2,229
Jul	8	7	128	32.46	1,564	38	2,364	57	213	5	2	0	11	0	4,154
Aug	8	8	159	29.41	1,752	38	2,501	54	393	8	1	0	22	0	4,669
Sep	8	7	136	58.47	3,419	43	3,892	49	634	8	3	0	15	0	7,963
Oct	9	9	162	57.27	3,098	33	5,469	59	656	7	0	0	53	1	9,275
Nov	9	8	131	54.50	2,047	29	4,139	58	633	9	0	0	301	4	7,120
Dec	9	8	150	42.47	1,218	19	4,187	66	624	10	0	0	348	5	6,377
Annual	8	7	1,590	41.89	21,393	32	38,914	58	5,362	8	13	0	918	1	66,600
Quarter 1	6	6	319	41.18	5,258	40	6,865	52	950	7	4	0	65	0	13,142
Quarter 2	7	7	405	34.30	3,037	22	9,497	68	1,259	9	3	0	104	1	13,901
Quarter 3	8	7	423	39.69	6,735	40	8,757	52	1,240	7	6	0	47	0	16,785
Quarter 4	9	8	443	51.43	6,363	28	13,795	61	1,913	8	0	0	701	3	22,772
First Semester	7	6	724	37.33	8,295	31	16,362	61	2,209	8	7	0	169	1	27,043
Second Semester	9	8	866	45.70	13,098	33	22,552	57	3,153	8	6	0	749	2	39,557

TABLE 1.4 Time Series Catch, Effort and Catch Rate Statistics for Purse Seiners Inside the Seychelles EEZ

(Database Closed on 15/08/2023)

Country: ALL

Semester 1, Years: 2012 - 2022

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	MT/Fishing day	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2012	1400	17.25	15,466	64	6,584	27	1,839	8	247	1	5	0	24,142
2013	1313	18.02	12,948	55	8,062	34	2,523	11	47	0	67	0	23,646
2014	2115	15.49	19,118	58	10,872	33	2,673	8	62	0	21	0	32,747
2015	1497	17.68	14,405	54	9,799	37	2,171	8	43	0	58	0	26,476
2016	2658	16.72	20,198	45	21,790	49	2,343	5	79	0	17	0	44,426
2017	2109	23.43	27,978	57	16,891	34	4,285	9	205	0	46	0	49,405
2018	1517	31.03	15,927	34	28,403	60	2,686	6	8	0	38	0	47,061
2019	1418	32.75	20,483	44	20,425	44	5,311	11	93	0	130	0	46,443
2020	1894	27.44	24,145	46	25,333	49	2,369	5	41	0	81	0	51,968
2021	948	26.10	9,187	37	13,215	53	2,064	8	20	0	256	1	24,742
2022	1937	39.33	27,831	37	42,879	56	5,032	7	7	0	457	1	76,206

Country: ALL

Semester 2, Years: 2012 - 2022

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	MT/Fishing day	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2012	1696	19.71	23,569	71	7,996	24	1,858	6	7	0	0	0	33,430
2013	870	14.21	5,395	44	5,659	46	1,175	10	115	1	22	0	12,366
2014	1439	16.01	9,599	42	11,854	51	1,502	7	20	0	72	0	23,047
2015	1504	15.01	9,580	42	11,549	51	1,387	6	44	0	10	0	22,570
2016	2082	23.31	22,075	45	24,252	50	2,088	4	49	0	68	0	48,532
2017	1002	23.92	8,054	34	14,492	60	1,366	6	10	0	32	0	23,955
2018	1300	31.98	14,395	35	25,496	61	1,569	4	21	0	105	0	41,587
2019	1159	33.31	15,485	40	20,744	54	2,337	6	18	0	25	0	38,609
2020	1233	35.43	16,479	38	24,349	56	2,568	6	78	0	225	1	43,700
2021	631	27.48	5,714	33	10,252	59	1,076	6	19	0	279	2	17,340
2022	1034	36.12	17,727	47	15,593	42	3,631	10	12	0	397	1	37,360

Country: ALL

Years: 2012 - 2022

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2012	3,096	18.60	39,036	68	14,580	25	3,697	6	254	0	5	0	57,572
2013	2,183	16.50	18,343	51	13,721	38	3,698	10	161	0	89	0	36,013
2014	3,554	15.70	28,717	51	22,726	41	4,175	7	83	0	93	0	55,794
2015	3,001	16.34	23,985	49	21,348	44	3,558	7	87	0	68	0	49,046
2016	4,740	19.61	42,273	45	46,042	50	4,431	5	127	0	85	0	92,958
2017	3,110	23.59	36,032	49	31,383	43	5,651	8	215	0	78	0	73,360
2018	2,817	31.47	30,322	34	53,899	61	4,255	5	30	0	143	0	88,649
2019	2,577	33.00	35,969	42	41,169	48	7,648	9	111	0	155	0	85,052
2020	3,127	30.59	40,624	42	49,682	52	4,936	5	119	0	306	0	95,668
2021	1,579	26.65	14,901	35	23,467	56	3,140	7	39	0	535	1	42,082
2022	2,972	38.22	45,558	40	58,472	51	8,663	8	19	0	854	1	113,566

TABLE 1.4A Monthly Catch, Effort and Catch Rate Statistics for Purse Seiners Inside the Seychelles EEZ

(Database Closed on 15/08/2023)

Country: ALL

Year: 2021

Month	Vessels Licensed	Vessels Covered	Effort	Catch Rate		Catches (MT)								Total Catch	
	(Number)	(Number)	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	(Mt)
Jan	45	42	70	10.97	206	27	479	62	81	11	0	0	3	0	770
Feb	46	43	82	21.57	730	41	821	46	221	12	3	0	3	0	1,778
Mar	46	45	311	32.21	3,877	39	5,171	52	889	9	8	0	72	1	10,017
Apr	46	44	219	31.09	1,651	24	4,638	68	468	7	5	0	57	1	6,820
May	46	42	115	21.12	1,348	56	894	37	157	6	0	0	24	1	2,423
Jun	46	41	150	19.54	1,373	47	1,211	41	248	8	4	0	97	3	2,934
Jul	46	40	147	23.89	1,827	52	1,410	40	221	6	11	0	35	1	3,503
Aug	46	42	107	30.35	970	30	2,100	65	147	5	2	0	24	1	3,243
Sep	46	43	109	34.66	989	26	2,428	64	199	5	1	0	155	4	3,772
Oct	46	39	104	31.14	1,113	34	1,847	57	241	7	2	0	30	1	3,232
Nov	46	29	68	24.54	288	17	1,244	75	114	7	3	0	9	1	1,658
Dec	46	28	97	19.85	527	27	1,223	63	154	8	0	0	27	1	1,931
Annual	46	40	1,579	26.65	14,901	35	23,467	56	3,140	7	39	0	535	1	42,082
Quarter 1	46	43	464	27.10	4,813	38	6,471	52	1,191	9	11	0	78	1	12,565
Quarter 2	46	42	484	25.15	4,373	36	6,743	55	873	7	9	0	178	1	12,176
Quarter 3	46	42	362	29.03	3,786	36	5,938	56	567	5	13	0	214	2	10,518
Quarter 4	46	32	269	25.39	1,928	28	4,314	63	509	7	5	0	65	1	6,822
First Semester	46	43	948	26.10	9,187	37	13,215	53	2,064	8	20	0	256	1	24,742
Second Semester	46	37	631	27.48	5,714	33	10,252	59	1,076	6	19	0	279	2	17,340

Country: ALL

Year: 2022

Month	Vessels Licensed	Vessels Covered	Effort	Catch Rate		Catches (MT)								Total Catch	
	(Number)	(Number)	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	(Mt)
Jan	46	41	165	38.25	1,896	30	3,813	60	508	8	1	0	89	1	6,307
Feb	46	43	375	35.99	7,178	53	5,002	37	1,237	9	2	0	68	1	13,486
Mar	45	44	646	50.07	12,709	39	17,697	55	1,735	5	2	0	176	1	32,320
Apr	45	44	536	37.81	5,313	26	13,566	67	1,333	7	2	0	66	0	20,279
May	45	39	150	23.04	656	19	2,567	74	184	5	0	0	47	1	3,453
Jun	45	38	66	5.46	79	22	236	65	35	10	0	0	12	3	361
Jul	46	43	276	25.10	4,809	69	1,158	17	919	13	3	0	40	1	6,930
Aug	46	46	188	26.71	2,371	47	2,367	47	233	5	4	0	47	1	5,022
Sep	46	44	232	49.87	4,956	43	5,265	45	1,191	10	4	0	162	1	11,578
Oct	47	46	189	55.73	4,392	42	5,247	50	787	7	0	0	120	1	10,546
Nov	46	35	107	27.98	1,100	37	1,414	47	449	15	0	0	22	1	2,985
Dec	46	30	42	7.14	99	33	143	48	52	17	0	0	6	2	300
Annual	46	41	2,972	38.22	45,558	40	58,472	51	8,663	8	19	0	854	1	113,566
Quarter 1	46	43	1,185	43.97	21,783	42	26,511	51	3,480	7	5	0	333	1	52,113
Quarter 2	45	40	752	32.03	6,048	25	16,368	68	1,551	6	2	0	124	1	24,093
Quarter 3	46	44	696	33.79	12,137	52	8,790	37	2,343	10	12	0	249	1	23,530
Quarter 4	46	37	338	40.93	5,590	40	6,803	49	1,288	9	0	0	148	1	13,830
First Semester	45	42	1,937	39.33	27,831	37	42,879	56	5,032	7	7	0	457	1	76,206
Second Semester	46	41	1,034	36.12	17,727	47	15,593	42	3,631	10	12	0	397	1	37,360

TABLE 1.4B Monthly Catch, Effort and Catch Rate Statistics for Seychelles Flagged Purse Seiners Inside the Seychelles EEZ

(Database Closed on 15/08/2023)

Country: SEYCHELLES

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	13	13	45	15.69	191	27	434	61	80	11	0	0	3	0	709
Feb	13	13	47	16.29	162	21	516	68	82	11	1	0	2	0	763
Mar	13	13	80	32.15	541	21	1,693	66	294	11	1	0	52	2	2,581
Apr	13	13	57	26.03	292	20	1,101	74	83	6	0	0	5	0	1,480
May	13	12	34	19.03	368	57	217	33	61	9	0	0	3	0	648
Jun	13	13	45	18.74	218	26	457	54	103	12	1	0	72	8	851
Jul	13	13	60	31.93	911	48	834	44	158	8	0	0	12	1	1,916
Aug	13	13	31	32.18	264	26	678	67	54	5	2	0	15	1	1,013
Sep	13	13	35	29.19	221	21	634	62	91	9	0	0	82	8	1,028
Oct	13	12	22	11.89	50	19	182	70	27	10	0	0	2	1	261
Nov	13	7	7	6.35	9	20	36	80	0	0	0	0	0	0	46
Dec	13	3	12	9.47	58	52	50	45	4	3	0	0	0	0	111
Annual	13	12	476	23.95	3,285	29	6,832	60	1,036	9	5	0	249	2	11,407
Quarter 1	13	13	172	23.52	894	22	2,643	65	457	11	2	0	57	1	4,053
Quarter 2	13	13	136	21.85	878	29	1,775	60	247	8	1	0	79	3	2,980
Quarter 3	13	13	127	31.23	1,397	35	2,145	54	303	8	2	0	110	3	3,957
Quarter 4	13	7	41	10.22	117	28	268	64	31	7	0	0	2	1	417
First Semester	13	13	309	22.78	1,771	25	4,418	63	703	10	3	0	137	2	7,033
Second Semester	13	10	168	26.11	1,513	35	2,413	55	333	8	2	0	112	3	4,374

Country: SEYCHELLES

Year: 2022

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	13	12	63	38.47	568	24	1,695	70	143	6	0	0	6	0	2,412
Feb	13	13	91	34.52	970	31	1,818	58	344	11	0	0	9	0	3,141
Mar	13	13	238	38.62	3,436	37	5,032	55	680	7	0	0	54	1	9,202
Apr	13	13	159	34.82	1,767	32	3,424	62	327	6	0	0	17	0	5,535
May	13	12	35	11.47	114	28	228	57	51	13	0	0	10	3	403
Jun	13	12	22	1.80	6	14	25	65	3	7	0	0	5	14	39
Jul	13	12	93	21.92	1,555	76	193	9	299	15	0	0	0	0	2,048
Aug	13	13	23	11.83	71	26	149	54	52	19	0	0	5	2	277
Sep	13	12	38	26.28	203	21	714	72	60	6	0	0	9	1	986
Oct	13	13	32	53.75	399	23	1,154	67	151	9	0	0	7	0	1,712
Nov	13	9	31	27.85	366	42	347	40	160	18	0	0	0	0	873
Dec	13	4	12	5.26	35	53	24	37	6	10	0	0	0	0	65
Annual	13	12	838	31.86	9,490	36	14,803	55	2,277	9	0	0	123	0	26,692
Quarter 1	13	13	392	37.64	4,974	34	8,545	58	1,167	8	0	0	69	0	14,755
Quarter 2	13	12	216	27.69	1,886	32	3,677	62	381	6	0	0	32	1	5,977
Quarter 3	13	12	154	21.44	1,830	55	1,056	32	410	12	0	0	14	0	3,311
Quarter 4	13	9	76	35.09	800	30	1,525	58	318	12	0	0	7	0	2,650
First Semester	13	13	608	34.11	6,860	33	12,221	59	1,549	7	0	0	101	0	20,732
Second Semester	13	11	230	25.93	2,629	44	2,582	43	728	12	0	0	22	0	5,961

TABLE 1.4C Monthly Catch, Effort and Catch Rate Statistics for Spanish Purse Seiners Inside the Seychelles EEZ

(Database Closed on 15/08/2023)

Country: SPAIN

Year: 2021

Month	Vessels Licensed	Vessels Covered	Effort	Catch Rate		Catches (MT)								Total Catch	
	(Number)	(Number)	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)		(%)
Jan	15	12	14	4.30	15	25	45	73	1	2	0	0	0	0	61
Feb	16	13	11	50.14	339	61	99	18	122	22	0	0	0	0	560
Mar	16	15	75	25.27	544	29	1,010	54	320	17	5	0	6	0	1,885
Apr	16	14	64	30.56	481	25	1,298	67	163	8	1	0	4	0	1,946
May	16	14	48	25.28	768	64	379	32	40	3	0	0	17	1	1,204
Jun	16	13	55	18.93	452	43	432	42	132	13	0	0	25	2	1,041
Jul	16	12	45	27.57	782	62	395	31	49	4	6	1	22	2	1,254
Aug	16	13	15	18.98	99	35	174	61	13	4	0	0	0	0	286
Sep	16	14	21	25.87	162	30	351	65	26	5	0	0	2	0	541
Oct	16	11	25	40.64	434	43	424	42	148	15	0	0	1	0	1,007
Nov	16	7	14	19.83	86	31	158	57	26	9	0	0	6	2	276
Dec	16	10	29	19.34	214	38	240	43	102	18	0	0	5	1	560
Annual	16	12	415	25.57	4,373	41	5,007	47	1,141	11	13	0	88	1	10,622
Quarter 1	16	13	100	25.07	898	36	1,154	46	443	18	5	0	6	0	2,507
Quarter 2	16	14	166	25.20	1,700	41	2,110	50	334	8	1	0	46	1	4,191
Quarter 3	16	13	81	25.55	1,042	50	920	44	88	4	6	0	24	1	2,081
Quarter 4	16	9	68	27.24	733	40	823	45	275	15	0	0	12	1	1,843
First Semester	16	14	266	25.15	2,598	39	3,264	49	778	12	6	0	53	1	6,698
Second Semester	16	11	149	26.32	1,775	45	1,743	44	363	9	6	0	36	1	3,924

Country: SPAIN

Year: 2022

Month	Vessels Licensed	Vessels Covered	Effort	Catch Rate		Catches (MT)								Total Catch	
	(Number)	(Number)	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)		(%)
Jan	16	14	47	42.98	587	29	1,209	60	200	10	0	0	17	1	2,014
Feb	16	14	110	31.33	1,704	49	1,213	35	522	15	0	0	22	1	3,460
Mar	15	15	215	66.42	4,641	33	8,783	62	752	5	0	0	78	1	14,254
Apr	15	14	212	39.79	2,031	24	5,732	68	664	8	0	0	19	0	8,447
May	15	11	68	21.87	363	25	994	67	98	7	0	0	23	2	1,478
Jun	15	10	22	6.95	21	14	116	77	13	9	0	0	1	0	151
Jul	15	14	94	29.88	1,823	65	439	16	528	19	0	0	10	0	2,800
Aug	15	15	56	23.45	432	33	777	59	88	7	0	0	9	1	1,305
Sep	15	15	66	61.37	1,835	45	1,479	36	682	17	2	0	61	1	4,059
Oct	15	14	55	51.03	926	33	1,422	51	445	16	0	0	12	0	2,805
Nov	14	9	26	18.21	141	30	217	46	104	22	0	0	6	1	467
Dec	14	9	11	6.25	26	37	38	53	7	10	0	0	0	0	71
Annual	15	13	981	42.11	14,531	35	22,418	54	4,102	10	2	0	258	1	41,311
Quarter 1	16	14	372	53.05	6,933	35	11,204	57	1,474	7	0	0	117	1	19,728
Quarter 2	15	12	302	33.41	2,415	24	6,843	68	775	8	0	0	43	0	10,076
Quarter 3	15	15	216	37.88	4,090	50	2,695	33	1,298	16	2	0	80	1	8,164
Quarter 4	14	11	92	36.36	1,093	33	1,676	50	555	17	0	0	18	1	3,343
First Semester	15	13	673	44.25	9,348	31	18,047	61	2,249	8	0	0	160	1	29,804
Second Semester	15	13	307	37.43	5,183	45	4,371	38	1,853	16	2	0	98	1	11,507

TABLE 1.4D Monthly Catch, Effort and Catch Rate Statistics for French Purse Seiners Inside the Seychelles EEZ

(Database Closed on 15/08/2023)

Country: FRANCE

Year: 2021

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
	Licensed (Number)	Covered (Number)			(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	11	11	8	0.00	8	0	0	0	0	0	0	0	0	0	0
Feb	11	11	12	29.46	178	50	162	45	16	4	2	1	1	0	359
Mar	11	11	98	35.31	1,659	48	1,632	47	160	5	2	0	8	0	3,461
Apr	11	11	75	35.68	693	26	1,804	67	144	5	3	0	37	1	2,680
May	11	10	15	16.59	106	43	130	52	9	4	0	0	5	2	250
Jun	11	9	19	22.67	268	63	150	35	4	1	2	0	0	0	424
Jul	11	9	22	7.18	59	38	92	59	5	3	0	0	0	0	155
Aug	11	10	34	31.83	311	29	725	67	39	4	0	0	4	0	1,080
Sep	11	10	46	45.98	591	28	1,351	65	82	4	0	0	71	3	2,095
Oct	11	10	35	36.40	463	37	746	59	38	3	1	0	17	1	1,265
Nov	11	9	30	33.52	170	17	759	75	72	7	3	0	3	0	1,008
Dec	11	9	35	24.84	193	22	631	73	32	4	0	0	14	2	870
Annual	11	10	428	31.90	4,691	34	8,183	60	600	4	13	0	159	1	13,646
Quarter 1	11	11	118	32.39	1,845	48	1,794	47	176	5	4	0	9	0	3,820
Quarter 2	11	10	109	30.80	1,067	32	2,084	62	157	5	5	0	41	1	3,354
Quarter 3	11	10	101	32.93	961	29	2,167	65	126	4	0	0	75	2	3,330
Quarter 4	11	9	100	31.48	826	26	2,137	68	142	5	4	0	34	1	3,143
First Semester	11	11	227	31.63	2,912	41	3,879	54	332	5	9	0	50	1	7,174
Second Semester	11	10	201	32.21	1,787	28	4,304	67	268	4	4	0	109	2	6,472

Country: FRANCE

Year: 2022

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
	Licensed (Number)	Covered (Number)			(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	11	10	40	32.57	517	40	618	48	109	8	1	0	50	4	1,295
Feb	11	10	117	37.45	2,847	65	1,258	29	262	6	2	0	28	1	4,397
Mar	10	10	125	46.90	3,134	54	2,475	42	199	3	1	0	37	1	5,846
Apr	10	10	85	34.94	577	19	2,263	76	128	4	1	0	13	0	2,982
May	10	8	29	17.36	136	27	350	69	13	3	0	0	10	2	508
Jun	10	10	15	10.43	46	30	82	54	19	13	0	0	5	4	153
Jul	10	10	61	19.44	772	66	298	25	83	7	2	0	23	2	1,178
Aug	10	10	63	35.10	1,325	60	836	38	46	2	3	0	15	1	2,227
Sep	10	10	64	42.61	1,152	42	1,401	51	89	3	0	0	81	3	2,724
Oct	10	10	62	69.05	2,345	55	1,756	41	91	2	0	0	69	2	4,262
Nov	10	9	26	33.79	278	31	522	59	79	9	0	0	13	1	892
Dec	10	9	7	0.00	0	0	0	0	0	0	0	0	0	0	0
Annual	10	10	694	38.11	13,129	50	11,859	45	1,120	4	11	0	345	1	26,463
Quarter 1	11	10	282	40.94	6,498	56	4,351	38	570	5	4	0	115	1	11,538
Quarter 2	10	9	129	28.17	759	21	2,695	74	161	4	1	0	28	1	3,643
Quarter 3	10	10	188	32.61	3,249	53	2,535	41	219	4	6	0	120	2	6,129
Quarter 4	10	9	95	54.11	2,623	51	2,278	44	170	3	0	0	82	2	5,154
First Semester	10	10	411	36.93	7,256	48	7,045	46	731	5	5	0	143	1	15,181
Second Semester	10	10	283	39.84	5,873	52	4,814	43	389	3	6	0	201	2	11,283

TABLE 1.4E Monthly Catch, Effort and Catch Rate Statistics for Purse Seiners NEI inside the Seychelles EEZ

(Database Closed on 15/08/2023)

Country: OTHERS

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate		Catches (MT)								Total Catch (Mt)	
				(MT/Fishing day)	(Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)		(%)
Jan	6	6	3	0.00	0	0	0	0	0	0	0	0	0	0	0
Feb	6	6	12	7.84	51	53	44	46	1	1	0	0	0	0	96
Mar	6	6	58	35.95	1,134	54	836	40	115	5	0	0	5	0	2,090
Apr	6	6	24	30.12	186	26	435	61	79	11	1	0	11	2	713
May	6	6	18	17.89	106	33	168	52	47	15	0	0	0	0	321
Jun	6	6	31	19.90	436	71	171	28	9	1	1	0	0	0	617
Jul	6	6	20	9.14	76	43	90	50	8	5	4	2	0	0	178
Aug	6	6	26	32.77	295	34	524	61	42	5	0	0	5	1	865
Sep	6	6	7	15.20	16	14	92	85		0	1	1	0	0	108
Oct	6	6	22	31.33	166	24	494	71	29	4	1	0	10	1	700
Nov	6	6	16	20.04	23	7	290	88	16	5	0	0	0	0	329
Dec	6	6	22	18.09	64	16	302	77	16	4	0	0	8	2	390
Annual	6	6	259	24.70	2,552	40	3,445	54	363	6	8	0	39	1	6,407
Quarter 1	6	6	73	29.77	1,185	54	880	40	116	5	0	0	5	0	2,186
Quarter 2	6	6	73	22.73	728	44	774	47	136	8	2	0	11	1	1,651
Quarter 3	6	6	53	21.71	386	34	705	61	50	4	5	0	5	0	1,152
Quarter 4	6	6	60	23.52	252	18	1,086	77	61	4	1	0	18	1	1,418
First Semester	6	6	146	26.27	1,913	50	1,654	43	251	7	2	0	16	0	3,837
Second Semester	6	6	113	22.67	639	25	1,791	70	111	4	6	0	23	1	2,570

Country: OTHERS

Year: 2022

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate		Catches (MT)								Total Catch (Mt)	
				(MT/Fishing day)	(Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)		(%)
Jan	6	6	16	37.65	225	38	292	50	55	9	0	0	15	3	587
Feb	6	6	56	44.54	1,656	67	714	29	110	4	0	0	8	0	2,488
Mar	7	6	68	44.36	1,498	50	1,406	47	104	3	1	0	8	0	3,017
Apr	7	7	80	41.58	938	28	2,147	65	213	6	1	0	17	1	3,316
May	7	7	18	59.53	44	4	995	94	21	2	0	0	3	0	1,064
Jun	7	6	8	2.23	6	33	12	66	0	0	0	0	0	1	18
Jul	8	7	28	31.82	659	73	227	25	9	1	1	0	7	1	904
Aug	8	8	45	26.68	542	45	605	50	48	4	1	0	17	1	1,213
Sep	8	7	65	59.01	1,766	46	1,671	44	359	9	2	0	11	0	3,809
Oct	9	9	41	43.43	721	41	914	52	100	6	0	0	32	2	1,767
Nov	9	8	23	32.30	315	42	328	44	107	14	0	0	2	0	752
Dec	9	8	11	14.60	38	23	82	50	38	23	0	0	6	4	164
Annual	8	7	459	41.64	8,409	44	9,392	49	1,165	6	6	0	129	1	19,100
Quarter 1	6	6	139	43.69	3,379	55	2,411	40	269	4	1	0	32	1	6,092
Quarter 2	7	7	106	41.66	988	22	3,154	72	235	5	1	0	21	0	4,398
Quarter 3	8	7	138	42.81	2,968	50	2,503	42	416	7	4	0	35	1	5,926
Quarter 4	9	8	75	35.67	1,074	40	1,324	49	245	9	0	0	41	2	2,684
First Semester	7	6	245	42.81	4,367	42	5,565	53	503	5	2	0	53	1	10,490
Second Semester	9	8	214	40.30	4,042	47	3,827	44	661	8	4	0	76	1	8,610

TABLE 1.4F Quarterly Catch, Effort and Catch Rate Statistics for Seychelles Flagged Purse Seiners by Geographical Areas

(Database Closed on 15/08/2023)

Country: SEYCHELLES

Year: 2021

Area	Quarter	Effort	Catch Rate	Catches		Skipjack		Bigeye		Albacore		Others		Total	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	Yellowfin (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	
SYC EEZ	1	172	23.52	894	22	2,643	65	457	11	2	0	57	1.4	4,053	4,053
	2	136	21.85	878	29	1,775	60	247	8	1	0	79	2.7	2,980	7,033
	3	127	31.23	1,397	35	2,145	54	303	8	2	0	110	2.8	3,957	10,989
	4	41	10.22	117	28	268	64	31	7	0	0	2	0.5	417	11,407
SYC EEZ Total		476	23.95	3,285	29	6,832	60	1,036	9	5	0	249	2	11,407	
Foreign EEZ	1	200	38.47	1,663	22	5,285	69	729	9	0	0	1	0.0	7,677	7,677
	2	228	42.58	1,798	19	7,323	76	552	6	0	0	22	0.2	9,694	17,372
	3	0	0.00	0	0	0	0	0	0	0	0	0	0.0	0	17,372
	4	15	0.00	0	0	0	0	0	0	0	0	0	0.0	0	17,372
Foreign EEZ Total		442	39.28	3,460	20	12,608	73	1,281	7	0	0	23	0	17,372	
High Seas	1	545	42.18	6,642	29	13,404	58	2,819	12	2	0	113	0.5	22,979	22,979
	2	452	32.33	3,319	23	9,919	68	1,259	9	10	0	113	0.8	14,620	37,599
	3	818	45.94	8,189	22	26,306	70	2,968	8	12	0	129	0.3	37,604	75,203
	4	293	64.54	4,512	24	12,323	65	1,866	10	0	0	203	1.1	18,904	94,107
High Seas Total		2,108	44.64	22,662	24	61,951	66	8,913	9	24	0	558	1	94,107	
WIO Total	1	917	37.87	9,198	26	21,332	61	4,005	12	4	0	171	0	34,710	34,710
	2	816	33.44	5,995	22	19,017	70	2,057	8	11	0	214	1	27,294	62,004
	3	945	43.97	9,585	23	28,451	68	3,271	8	14	0	239	1	41,560	103,564
	4	349	55.40	4,629	11	12,591	30	1,897	5	0	0	205	0	19,322	122,885
Grand Total		3,027	40.60	29,407	24	81,390	66	11,230	9	29	0	829	1	122,885	

Country: SEYCHELLES

Year: 2022

Area	Quarter	Effort	Catch Rate	Catches		Skipjack		Bigeye		Albacore		Others		Total	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	Yellowfin (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	
SYC EEZ	1	392	37.64	4,974	34	8,545	58	1,167	8	0	0	69	0.5	14,755	14,755
	2	216	27.69	1,886	32	3,677	62	381	6	0	0	32	0.5	5,977	20,732
	3	154	21.44	1,830	55	1,056	32	410	12	0	0	14	0.4	3,311	24,042
	4	76	35.09	800	30	1,525	58	318	12	0	0	7	0.3	2,650	26,692
SYC EEZ Total		838	31.86	9,490	36	14,803	55	2,277	9	0	0	123	0	26,692	
Foreign EEZ	1	14	0.00	0	0	0	0	0	0	0	0	0	0.0	0	0
	2	149	50.01	1,452	19	5,650	76	361	5	0	0	2	0.0	7,465	7,465
	3	15	38.43	128	22	412	69	53	9	0	0	2	0.3	594	8,059
	4	3	0.00	0	0	0	0	0	0	0	0	0	0.0	0	8,059
Foreign EEZ Total		182	44.20	1,580	20	6,062	75	413	5	0	0	4	0	8,059	
High Seas	1	426	44.20	4,803	26	12,279	65	1,423	8	0	0	316	1.7	18,821	18,821
	2	413	26.40	2,365	22	7,235	66	1,171	11	0	0	126	1.2	10,897	29,718
	3	717	49.10	7,892	22	23,666	67	3,210	9	0	0	437	1.2	35,205	64,923
	4	358	58.51	4,849	23	14,205	68	1,580	8	0	0	335	1.6	20,967	85,891
High Seas Total		1,914	44.88	19,908	23	57,385	67	7,384	9	0	0	1,213	1	85,891	
WIO Total	1	832	40.36	9,776	28	20,824	60	2,590	7	0	0	385	1	33,576	33,576
	2	778	31.29	5,703	21	16,562	61	1,914	7	0	0	160	1	24,339	57,915
	3	887	44.10	9,850	24	25,134	60	3,673	9	0	0	453	1	39,110	97,025
	4	437	54.00	5,648	29	15,730	81	1,897	10	0	0	342	2	23,617	120,642
Grand Total		2,934	41.12	30,978	26	78,250	65	10,074	8	0	0	1,340	1	120,642	

TABLE 1.4g Quarterly Proportion of Catch and Effort by Geographical Areas and Flag.

(Database Closed on 15/08/2023)

Country: ALL

Year: 2021

Quarter	Flag	Effort - Days Fished			Total Catch		
		Seychelles EEZ	Foreign EEZ	High Seas	Seychelles EEZ	Foreign EEZ	High Seas
1	Seychelles	19%	22%	59%	12%	22%	66%
	Spain	12%	1%	87%	6%	0%	94%
	France	22%	3%	75%	18%	0%	82%
	Others	19%	2%	78%	13%	0%	87%
Quarter 1 Total		17%	9%	74%	11%	7%	83%
2	Seychelles	17%	28%	55%	11%	36%	54%
	Spain	17%	1%	82%	11%	0%	88%
	France	25%	0%	75%	27%	0%	73%
	Others	22%	0%	78%	19%	0%	81%
Quarter 2 Total		19%	9%	72%	15%	11%	74%
3	Seychelles	13%	0%	87%	10%	0%	90%
	Spain	9%	0%	91%	4%	0%	96%
	France	21%	1%	77%	18%	1%	81%
	Others	16%	2%	82%	9%	0%	91%
Quarter 3 Total		13%	1%	86%	8%	0%	91%
4	Seychelles	12%	4%	84%	2%	0%	98%
	Spain	14%	0%	86%	7%	0%	93%
	France	21%	1%	77%	14%	0%	86%
	Others	17%	4%	80%	9%	0%	91%
Quarter 4 Total		16%	2%	82%	8%	0%	92%
Semester 1		18%	9%	73%	13%	9%	79%
Semester 2		15%	1%	84%	8%	0%	92%
Year Total		17%	5%	78%	10%	4%	85%

Country: ALL

Year: 2022

Quarter	Flag	Effort - Days Fished			Total Catch		
		Seychelles EEZ	Foreign EEZ	High Seas	Seychelles EEZ	Foreign EEZ	High Seas
1	Seychelles	47%	2%	51%	44%	0%	56%
	Spain	38%	1%	61%	38%	0%	62%
	France	55%	1%	44%	54%	0%	46%
	Others	44%	2%	54%	46%	3%	51%
Quarter 1 Total		45%	1%	54%	43%	0%	56%
2	Seychelles	28%	19%	53%	25%	31%	45%
	Spain	38%	1%	61%	45%	0%	54%
	France	26%	1%	74%	25%	0%	75%
	Others	26%	9%	65%	32%	6%	62%
Quarter 2 Total		30%	8%	62%	32%	11%	57%
3	Seychelles	17%	2%	81%	8%	2%	90%
	Spain	21%	0%	78%	16%	0%	84%
	France	40%	1%	59%	36%	2%	62%
	Others	33%	3%	64%	35%	2%	63%
Quarter 3 Total		25%	1%	74%	19%	1%	80%
4	Seychelles	17%	1%	82%	11%	0%	89%
	Spain	19%	1%	80%	15%	1%	84%
	France	33%	0%	67%	33%	0%	67%
	Others	17%	3%	80%	12%	1%	87%
Quarter 4 Total		20%	1%	78%	16%	0%	83%
Semester 1		38%	5%	58%	39%	4%	56%
Semester 2		23%	1%	75%	18%	1%	81%
Year Total		31%	3%	66%	28%	3%	69%

TABLE 1.5A Time Series Catch Statistics by School Type and Species for Purse Seiners in WIO

(Database Closed on 15/08/2023)

Country: ALL Area: WIO Years: 2012 - 2022

School Type	Species	Catch(MT)										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Free School	YFT	65,283	34,461	46,270	62,075	47,714	46,797	14,228	30,852	19,436	38,635	39,275
	SKJ	3,794	5,464	6,495	7,558	7,627	6,250	5,304	25,427	5,236	9,015	31,710
	BET	7,404	4,207	5,840	9,638	2,666	10,054	2,134	5,659	1,597	5,785	4,921
	ALB	1,147	449	340	415	326	392	16	90	103	76	14
	OTH	32	4	24	56	10	5	2	38	11	33	216
	Free School Total		77,659	44,584	58,969	79,741	58,343	63,498	21,684	62,067	26,383	53,543
FAD Associated School	YFT	65,659	100,764	80,485	73,651	98,936	91,138	122,643	96,381	91,107	80,368	81,005
	SKJ	78,320	111,287	122,601	120,497	174,236	191,342	262,886	218,295	217,497	242,880	209,435
	BET	9,585	20,539	15,393	15,379	19,762	19,549	20,598	18,363	15,046	31,104	31,344
	ALB	59	50	181	121	95	80	87	67	32	84	25
	OTH	18	202	147	133	274	1,023	1,876	1,016	2,470	3,351	3,927
	FAD Associated School Total		153,641	232,842	218,807	209,781	293,303	303,132	408,091	334,123	326,153	357,786
Unidentified School	YFT	115	137	45	71	113	35	3,401	1,674	209	568	521
	SKJ	49	302	9	88	161	87	6,126	8,408	870	816	757
	BET	6	14	4	22	8	5	529	138	59	190	98
	ALB	0	0	3	0	0	1	0	0	0	5	0
	OTH	6	0	0	0	0	0	1	46	0	14	22
	Unidentified School Total		176	452	61	181	282	127	10,057	10,266	1,138	1,593
Total WIO Catch	YFT	131,057	135,361	126,800	135,797	146,763	137,970	140,273	128,907	110,752	119,571	120,801
	SKJ	82,163	117,053	129,105	128,143	182,024	197,680	274,315	252,131	223,603	252,711	241,903
	BET	16,995	24,760	21,236	25,039	22,435	29,608	23,261	24,160	16,702	37,078	36,362
	ALB	1,206	499	524	537	421	472	103	157	135	165	39
	OTH	56	206	172	188	284	1,027	1,879	1,100	2,481	3,397	4,164
	Total WIO	231,477	277,879	277,837	289,704	351,927	366,757	439,831	406,455	353,675	412,922	403,269

Country: ALL Area: WIO Years: 2012 - 2022

School Type	Species	Catch(%)										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Free School	YFT	84%	77%	78%	78%	82%	74%	66%	50%	74%	72%	52%
	SKJ	5%	12%	11%	9%	13%	10%	24%	41%	20%	17%	42%
	BET	10%	9%	10%	12%	5%	16%	10%	9%	6%	11%	6%
	ALB	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
FAD Associated School	YFT	43%	43%	37%	35%	34%	30%	30%	29%	28%	22%	25%
	SKJ	51%	48%	56%	57%	59%	63%	64%	65%	67%	68%	64%
	BET	6%	9%	7%	7%	7%	6%	5%	5%	5%	9%	10%
	ALB	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Unidentified School	YFT	65%	30%	73%	39%	40%	27%	34%	16%	18%	36%	37%
	SKJ	28%	67%	15%	49%	57%	68%	61%	82%	76%	51%	54%
	BET	3%	3%	7%	12%	3%	4%	5%	1%	5%	12%	7%
	ALB	0%	0%	5%	0%	0%	1%	0%	0%	0%	0%	0%
	OTH	4%	0%	0%	0%	0%	0%	0%	0%	0%	1%	2%
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total WIO	Free School	34%	16%	21%	28%	17%	17%	5%	15%	7%	13%	19%
	FAD Associated School	66%	84%	79%	72%	83%	83%	93%	82%	92%	87%	81%
	Unidentified School	0%	0%	0%	0%	0%	0%	2%	3%	0%	0%	0%

* Data for first semester only

TABLE 1.5B Time Series Catch Statistics by School Type and Species for Purse Seiners in SYC EEZ

(Database Closed on 15/08/2023)

Country: ALL Area: SYC EEZ Years: 2012 - 2022

School Type	Species	Catch(MT)										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Free School	YFT	28,264	7,225	14,758	13,993	21,467	18,966	3,303	15,216	16,934	7,286	27,787
	SKJ	636	670	1,263	1,813	3,172	1,671	458	5,690	3,040	987	22,841
	BET	2,004	784	1,783	1,410	818	2,823	434	3,554	1,302	615	3,396
	ALB	251	157	51	47	75	195	4	86	99	11	9
	OTH	0	0	0	41	6	1	1	7	10	4	109
	Free School Total	31,155	8,836	17,854	17,305	25,540	23,657	4,201	24,553	21,385	8,903	54,142
FAD Associated School	YFT	10,771	11,068	13,959	9,988	20,777	17,042	26,668	20,528	23,625	7,705	17,576
	SKJ	13,945	12,962	21,464	19,534	42,837	29,657	52,340	34,672	46,486	23,103	35,335
	BET	1,693	2,910	2,392	2,147	3,610	2,824	3,765	4,070	3,632	2,530	5,266
	ALB	4	4	31	40	52	20	25	24	20	24	10
	OTH	5	89	93	27	79	77	142	139	296	536	742
	FAD Associated School Total	26,417	27,033	37,939	31,736	67,354	49,620	82,940	59,434	74,059	33,899	58,929
Unidentified School	YFT	0	50	0	4	29	23	351	224	65	104	194
	SKJ	0	88	0	2	32	55	1,101	808	157	60	296
	BET	0	5	0	0	3	3	56	25	2	30	1
	ALB	0	0	0	0	0	1	0	0	0	5	0
	OTH	0	0	0	0	0	0	0	8	0	0	4
	Unidentified School Total	0	143	0	6	64	83	1,507	1,065	224	199	495
Total EEZ Catch	YFT	39,036	18,343	28,717	23,985	42,273	36,032	30,322	35,969	40,624	15,095	45,558
	SKJ	14,580	13,721	22,726	21,348	46,042	31,383	53,899	41,169	49,682	24,150	58,472
	BET	3,697	3,698	4,175	3,558	4,431	5,651	4,255	7,648	4,936	3,175	8,663
	ALB	254	161	83	87	127	215	30	111	119	41	19
	OTH	5	89	93	68	85	78	143	155	306	540	854
		Total	57,572	36,013	55,794	49,046	92,958	73,360	88,649	85,052	95,668	43,001

Country: ALL Area: SYC EEZ Years: 2012 - 2022

School Type	Species	Catch(%)										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Free School	YFT	91%	82%	83%	81%	84%	80%	79%	62%	79%	82%	51%
	SKJ	2%	8%	7%	10%	12%	7%	11%	23%	14%	11%	42%
	BET	6%	9%	10%	8%	3%	12%	10%	14%	6%	7%	6%
	ALB	1%	2%	0%	0%	0%	1%	0%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
FAD Associated School	YFT	41%	41%	37%	31%	31%	34%	32%	35%	32%	23%	30%
	SKJ	53%	48%	57%	62%	64%	60%	63%	58%	63%	68%	60%
	BET	6%	11%	6%	7%	5%	6%	5%	7%	5%	7%	9%
	ALB	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Unidentified School	YFT	0%	35%	0%	65%	46%	28%	23%	21%	29%	52%	39%
	SKJ	0%	62%	0%	33%	51%	66%	73%	76%	70%	30%	60%
	BET	0%	3%	0%	2%	4%	4%	4%	2%	1%	15%	0%
	ALB	0%	0%	0%	0%	0%	1%	0%	0%	0%	3%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	1%
		0%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%
Total EEZ	Free School	54%	25%	32%	35%	27%	32%	5%	29%	22%	21%	48%
	FAD Associated School	46%	75%	68%	65%	72%	68%	94%	70%	77%	79%	52%
	Unidentified School	0%	0%	0%	0%	0%	0%	2%	1%	0%	0%	0%

TABLE 1.5C Time Series Catch Statistics by School Type and Agreement for Purse Seiners in WIO

(Database Closed on 15/08/2023)

Country: ALL

Area: WIO

Years: 2012 - 2022

Agreement	School Type	Catch(MT)										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
National	Free School	14,109	7,171	8,035	21,622	9,185	18,557	3,665	7,002	2,797	7,844	16,271
	FAD associated School	36,829	49,883	52,220	67,108	99,169	103,566	119,544	97,623	109,383	115,041	104,371
	Unidentified School	0	270	0	10	260	79	102	7,996	51	0	0
National Total	All Schools	50,938	57,324	60,255	88,740	108,613	122,202	123,310	112,621	112,231	122,885	120,642
European Community	Free School	48,006	29,026	41,457	50,974	36,242	37,847	10,687	38,933	17,697	37,453	48,189
	FAD associated School	100,616	157,687	150,783	127,946	172,239	178,662	261,898	210,930	188,576	205,140	172,039
	Unidentified School	176	133	61	172	22	26	9,955	2,219	1,064	1,393	1,254
European Community Total	All Schools	148,798	186,845	192,301	179,091	208,503	216,535	282,540	252,082	207,338	243,986	221,482
Others	Free School	15,545	8,388	9,476	7,145	12,916	7,093	7,332	16,132	5,889	8,246	11,674
	FAD associated School	16,196	25,272	15,804	14,727	21,895	20,905	26,649	25,570	28,194	37,605	49,327
	Unidentified School	0	49	0	0	0	22	0	50	23	200	144
Others Total	All Schools	31,740	33,710	25,280	21,873	34,811	28,020	33,981	41,753	34,106	46,051	61,145
Grand Total		231,477	277,879	277,837	289,704	351,927	366,757	439,831	406,455	353,675	412,922	403,269

Agreement	School Type	Catch(%)										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
National	Free School	28%	13%	13%	24%	8%	15%	3%	6%	2%	6%	13%
	FAD associated School	72%	87%	87%	76%	91%	85%	97%	87%	97%	94%	87%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%	0%
National Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
European Community	Free School	32%	16%	22%	28%	17%	17%	4%	15%	9%	15%	22%
	FAD associated School	68%	84%	78%	71%	83%	83%	93%	84%	91%	84%	78%
	Unidentified School	0%	0%	0%	0%	0%	0%	4%	1%	1%	1%	1%
European Community Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Others	Free School	49%	25%	37%	33%	37%	25%	22%	39%	17%	18%	19%
	FAD associated School	51%	75%	63%	67%	63%	75%	78%	61%	83%	82%	81%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Others Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

TABLE 1.5D Time Series Catch Statistics by School Type and Agreement for Purse Seiners in SYC EEZ

(Database Closed on 15/08/2023)

Country: ALL

Area: SYC EEZ

Years: 2012 - 2022

Agreement	School Type	Catch(MT)										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
National	Free School	5,661	1,014	1,001	3,028	3,194	4,940	357	3,204	2,173	1,636	11,361
	FAD associated School	4,585	5,457	6,574	8,617	17,946	10,575	24,444	14,007	23,006	9,771	15,331
	Unidentified School	0	21	0	6	47	57	10	877	51	0	0
National Total	All Schools	10,246	6,492	7,575	11,650	21,187	15,572	24,812	18,088	25,230	11,407	26,692
European Community	Free School	18,047	6,064	14,726	12,271	16,494	15,950	2,566	14,921	14,639	6,121	34,507
	FAD associated School	17,250	16,540	27,908	20,235	43,937	33,610	51,864	38,799	43,172	20,534	34,924
	Unidentified School	0	113	0	0	17	26	1,497	188	162	194	457
European Community Total	All Schools	35,298	22,717	42,633	32,506	60,448	49,586	55,927	53,908	57,973	26,849	69,888
Others	Free School	7,446	1,758	2,128	2,006	5,851	2,767	1,277	6,429	4,573	1,146	8,273
	FAD associated School	4,583	5,036	3,457	2,884	5,472	5,435	6,632	6,627	7,882	3,594	8,675
	Unidentified School	0	9	0	0	0	0	0	0	10	5	38
Others Total	All Schools	12,029	6,804	5,586	4,890	11,323	8,202	7,910	13,056	12,465	4,745	16,987
Grand Total		57,572	36,013	55,794	49,046	92,958	73,360	88,649	85,052	95,668	43,001	113,566

Agreement	School Type	Catch(%)										
		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
National	Free School	55%	16%	13%	26%	15%	32%	1%	18%	9%	14%	43%
	Seychelles	45%	84%	87%	74%	85%	68%	99%	77%	91%	86%	57%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%	0%
National Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
European Community	Free School	51%	27%	35%	38%	27%	32%	5%	28%	25%	23%	49%
	FAD associated School	49%	73%	65%	62%	73%	68%	93%	72%	74%	76%	50%
	Unidentified School	0%	0%	0%	0%	0%	0%	3%	0%	0%	1%	1%
European Community Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Others	Free School	62%	26%	38%	41%	52%	34%	16%	49%	37%	24%	49%
	FAD associated School	38%	74%	62%	59%	48%	66%	84%	51%	63%	76%	51%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Others Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

TABLE 1.6 Quarterly Catch, Effort and Catch Rate Statistics for Purse Seiners by Access Regime in Seychelles EEZ

(Database Closed on 15/08/2023)

Area: SEYCHELLES EEZ

Year: 2021

Access Regime	Quarter	Effort		Catch Rate		Catches Yellowfin		Skipjack		Bigeye		Albacore		Others		Total	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	
National	1	172	23.52	894	22	2,643	65	457	11	2	0	57	1	4,053	4,053		
	2	136	21.85	878	29	1,775	60	247	8	1	0	79	3	2,980	7,033		
	3	127	31.23	1,397	35	2,145	54	303	8	2	0	110	3	3,957	10,989		
	4	41	10.22	117	28	268	64	31	7	0	0	2	1	417	11,407		
National Total		476	23.95	3,285	29	6,832	60	1,036	9	5	0	249	2	11,407			
EC Agreement	1	238	29.50	3,138	45	3,214	46	656	9	10	0	16	0	7,033	7,033		
	2	308	27.61	2,913	34	4,919	58	564	7	7	0	92	1	8,495	15,528		
	3	191	29.82	2,084	37	3,276	58	227	4	7	0	99	2	5,694	21,222		
	4	186	30.27	1,735	31	3,383	60	449	8	5	0	55	1	5,627	26,849		
EC Agreement Total		923	29.09	9,870	37	14,791	55	1,896	7	29	0	263	1	26,849			
Others	1	57	29.82	861	51	747	44	87	5	0	0	5	0	1,699	1,699		
	2	60	23.52	698	50	600	43	89	6	2	0	11	1	1,401	3,100		
	3	45	19.44	305	35	517	60	37	4	4	0	5	1	868	3,968		
	4	42	18.56	76	10	663	85	30	4	0	0	8	1	777	4,745		
Others Total		203	23.37	1,941	41	2,527	53	243	5	6	0	29	1	4,745			
All Agreements	1	468	27.34	4,892	38	6,605	52	1,199	9	12	0	78	1	12,785	12,785		
	2	504	25.57	4,489	35	7,294	57	900	7	10	0	183	1	12,876	25,661		
	3	362	29.03	3,786	36	5,938	56	567	5	13	0	214	2	10,518	36,179		
	4	269	25.39	1,928	28	4,314	63	509	7	5	0	65	1	6,822	43,001		
Grand Total		1,602	26.84	15,095	35	24,150	56	3,175	7	41	0	540	1	43,001			

EC Agreement: Include Seychelles

Other Agreement: Includes Korea and Mauritius

Area: SEYCHELLES EEZ

Year: 2022

Access Regime	Quarter	Effort		Catch Rate		Catches Yellowfin		Skipjack		Bigeye		Albacore		Others		Total	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)			
National	1	392	37.64	4,974	34	8,545	58	1,167	8	0	0	69	0	14,755	14,755		
	2	216	27.69	1,886	32	3,677	62	381	6	0	0	32	1	5,977	20,732		
	3	154	21.44	1,830	55	1,056	32	410	12	0	0	14	0	3,311	24,042		
	4	76	35.09	800	30	1,525	58	318	12	0	0	7	0	2,650	26,692		
National Total		838	31.86	9,490	36	14,803	55	2,277	9	0	0	123	0	26,692			
EC Agreement	1	687	47.28	14,247	44	15,906	49	2,088	6	4	0	233	1	32,478	32,478		
	2	439	31.40	3,197	23	9,561	69	941	7	2	0	83	1	13,785	46,263		
	3	426	34.80	7,587	51	5,472	37	1,540	10	10	0	211	1	14,820	61,083		
	4	193	45.55	3,832	44	4,085	46	782	9	0	0	105	1	8,804	69,888		
EC Agreement Total		1,745	40.05	28,862	41	35,026	50	5,351	8	15	0	633	1	69,888			
Others	1	106	45.95	2,562	53	2,060	42	225	5	1	0	31	1	4,880	4,880		
	2	97	44.43	964	22	3,130	72	229	5	0	0	9	0	4,332	9,211		
	3	116	46.53	2,720	50	2,261	42	393	7	2	0	23	0	5,399	14,610		
	4	69	34.38	959	40	1,193	50	189	8	0	0	36	1	2,376	16,987		
Others Total		389	43.68	7,206	42	8,644	51	1,035	6	3	0	98	1	16,987			
All Agreements	1	1,185	43.97	21,783	170	26,511	207	3,480	27	5	0	333	3	52,113	52,113		
	2	752	32.03	6,048	47	16,368	127	1,551	12	2	0	124	1	24,093	76,206		
	3	696	33.79	12,137	115	8,790	84	2,343	22	12	0	249	2	23,530	99,736		
	4	338	40.93	5,590	82	6,803	100	1,288	19	0	0	148	2	13,830	113,566		
Grand Total		2,972	38.22	45,558	40	58,472	51	8,663	8	19	0	854	1	113,566			

EC Agreement: Includes Spain, France and Italy

Other Agreement: Includes Korea, Mauritius, Oman and Tanzania

TABLE 1.7. Time Series of Landing and Transshipment Statistics of Purse Seiners by Port.

(Database Closed on 15/08/2023)

Country: ALL**Semester 1, Years: 2012 - 2022**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	MADAGASCAR	MAURICE	MOMBASA	OTHERS*		
2012	92,675	19,595	13,000	2,937		128,207	72%
2013	94,013	19,955	8,951			122,919	76%
2014	114,826	3,023	9,390	3,971		131,211	88%
2015	127,511	7,679	3,118	3,241		141,548	90%
2016	141,550	3,335	2,285			147,171	96%
2017	177,115	6,558	1,880			185,552	95%
2018	217,847	1,483	6,128			225,459	97%
2019	198,416		3,371		1,365	203,152	98%
2020	157,860	4,644	2,209			164,713	96%
2021	194,557	5,301	3,846		661	204,366	95%
2022	174,287	9,988	9,169			193,445	90%

Country: ALL**Semester 2, Years: 2012 - 2022**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	MADAGASCAR	MAURICE	MOMBASA	OTHERS*		
2012	94,065	1,001	8,844	3,340		107,251	88%
2013	139,561	4,287	9,297	1,527		154,672	90%
2014	130,948	1,514	7,368	1,507		141,338	93%
2015	141,576	175	2,981			144,732	98%
2016	187,261		3,172			190,433	98%
2017	165,409	1,301	3,370			170,080	97%
2018	209,134		1,198			210,331	99%
2019	192,892	10,771	743		3,005	207,411	93%
2020	178,524	5,049	3,997	1,810	553	189,934	94%
2021	194,984	11,893	6,049			212,926	92%
2022	199,109	8,575	3,816			211,499	94%

Country: ALL**Years: 2012 - 2022**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	MADAGASCAR	MAURICE	MOMBASA	OTHERS*		
2012	186,740	20,597	21,844	6,277		235,458	79%
2013	233,574	24,242	18,247	1,527		277,591	84%
2014	245,774	4,538	16,758	5,479		272,549	90%
2015	269,087	7,855	6,099	3,241		286,280	94%
2016	328,812	3,335	5,457			337,604	97%
2017	342,523	7,859	5,250			355,632	96%
2018	426,981	1,483	7,326			435,791	98%
2019	391,308	10,771	4,114		4,370	410,563	95%
2020	336,384	9,693	6,206	1,810	553	354,647	95%
2021	389,542	17,193	9,895		661	417,292	93%
2022	373,395	18,564	12,985			404,944	92%

OTHERS* include South Korea and Abidjan

TABLE 1.7A Monthly Landing and Transshipment Statistics of Purse Seiners in Port Victoria

(Database Closed on 15/08/2023)

Port: VICTORIA, SEYCHELLES

Year: 2021

Month	Catches landed/transhipped (Mt)						Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transshipment in All Ports* (Mt)	% of Total Landing & Transshipment
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)	Bycatch (Mt)					
Jan	11,682	10,689	2,731	12	4,588	140	29,842	132	29,973	30,495	98%
Feb	13,503	19,066	3,651	2	4,984	255	41,461	274	41,735	44,225	92%
Mar	8,253	19,261	3,329	0	4,495	174	35,512	174	35,686	38,641	92%
Apr	6,344	19,475	2,159	0	3,572	394	31,944	386	32,330	35,502	91%
May	5,170	17,418	1,307	6	2,553	191	26,645	208	26,854	27,444	100%
Jun	9,016	13,451	2,955	10	2,316	125	27,872	107	27,979	28,059	100%
Jul	8,632	13,121	2,292	47	1,167	71	25,331	75	25,405	25,405	100%
Aug	8,576	28,250	2,612	196	902	90	40,625	104	40,730	41,390	98%
Sep	11,519	26,014	3,102	0	1,007	174	41,817	173	41,989	51,109	82%
Oct	9,736	28,206	3,112	0	3,360	201	44,615	112	44,727	49,799	90%
Nov	6,135	15,321	2,557	0	2,126	73	26,212	1	26,212	29,303	89%
Dec	3,163	10,897	749	0	1,029	84	15,921	0	15,921	15,921	100%
Annual	101,726	221,170	30,556	272	32,100	1,972	387,796	1,859	389,542	417,292	93%
Quarter 1	33,437	49,016	9,711	14	14,067	570	106,815	580	107,394	113,361	95%
Quarter 2	20,530	50,345	6,421	16	8,441	710	86,461	702	87,163	91,005	96%
Quarter 3	28,727	67,385	8,006	243	3,076	336	107,773	352	108,124	117,904	92%
Quarter 4	19,033	54,424	6,418	0	6,515	357	86,748	112	86,860	95,022	91%
First Semester	53,967	99,361	16,132	29	22,508	1,279	193,276	1,282	194,557	204,366	95%
Second Semester	47,760	121,809	14,424	243	9,591	693	194,521	464	194,984	212,926	92%

* Refers to total catch landed and transhipped in all ports and include discards

Port: VICTORIA, SEYCHELLES

Year: 2022

Month	Catches landed/transhipped (Mt)						Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transshipment in All Ports* (Mt)	% of Total Landing & Transshipment
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)	Bycatch (Mt)					
Jan	6,806	13,660	2,008		2,899	270	25,642	0	25,642	28,172	91%
Feb	12,445	19,115	2,683		3,259	499	38,002	0	38,002	42,520	89%
Mar	14,997	18,014	2,412		1,040	394	36,856	13	36,869	41,071	90%
Apr	8,120	18,328	1,290		5,357	204	33,298	0	33,298	34,278	97%
May	4,655	13,185	1,073		3,432	132	22,477	0	22,477	29,405	76%
Jun	3,668	12,342	1,237	1	558	192	17,998	0	17,998	17,998	100%
Jul	6,702	10,918	2,197	0	23	293	20,134	0	20,134	20,134	100%
Aug	12,532	22,361	3,446	1	1,311	212	39,863	0	39,863	39,863	100%
Sep	13,834	26,828	4,753	11	1,593	422	47,442	142	47,584	50,048	95%
Oct	14,706	31,006	4,341		46	455	50,555	5	50,559	58,491	86%
Nov	8,393	18,578	3,463		169	526	31,128	13	31,141	32,564	96%
Dec	2,452	6,152	716		378	126	9,824	3	9,826	10,398	94%
Annual	109,312	210,486	29,618	13	20,065	3,725	373,219	176	373,395	404,944	92%
Quarter 1	34,249	50,788	7,103	0	7,197	1,163	100,500	13	100,513	111,763	90%
Quarter 2	16,443	43,855	3,599	1	9,348	528	73,773	0	73,774	81,681	90%
Quarter 3	33,068	60,108	10,397	12	2,927	927	107,439	142	107,581	110,046	98%
Quarter 4	25,552	55,735	8,520	0	593	1,107	91,507	20	91,527	101,454	90%
First Semester	50,692	94,643	10,702	1	16,545	1,691	174,273	14	174,287	193,445	90%
Second Semester	58,620	115,843	18,917	12	3,520	2,034	198,946	163	199,109	211,499	94%

* Refers to total catch landed and transhipped in all ports and include discards

TABLE 1.7B Monthly Landing and Transshipment Statistics of Purse Seiners in Port Madagascar

(Database Closed on 15/08/2023)

Port: MADAGASCAR

Year: 2021

Month	Catches (Mt)						Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transshipment in All Ports* (Mt)	% of Total Landing & Transshipment*
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)	Bycatch (Mt)					
Jan	0	0	0	0	0	0	0	0	0	30,495	0%
Feb	339	1,098	115	0	0	0	1,552	0	1,552	44,225	4%
Mar	655	1,395	274	0	0	0	2,324	0	2,324	38,641	6%
Apr	407	944	74	0	0	0	1,425	0	1,425	35,502	4%
May	0	0	0	0	0	0	0	0	0	27,444	0%
Jun	0	0	0	0	0	0	0	0	0	28,059	0%
Jul	0	0	0	0	0	0	0	0	0	25,405	0%
Aug	0	0	0	0	0	0	0	0	0	41,390	0%
Sep	2,085	5,602	381	0	0	0	8,069	0	8,069	51,109	16%
Oct	800	1,752	39	0	0	0	2,591	0	2,591	49,799	5%
Nov	327	865	41	0	0	0	1,233	0	1,233	29,303	4%
Dec	0	0	0	0	0	0	0	0	0	15,921	0%
Annual Total	4,613	11,657	924	0	0	0	17,193	0	17,193	417,292	4%
Quarter 1	994	2,493	389	0	0	0	3,876	0	3,876	113,361	3%
Quarter 2	407	944	74	0	0	0	1,425	0	1,425	91,005	2%
Quarter 3	2,085	5,602	381	0	0	0	8,069	0	8,069	117,904	7%
Quarter 4	1,127	2,617	80	0	0	0	3,824	0	3,824	95,022	4%
First Semester	1,400	3,438	463	0	0	0	5,301	0	5,301	204,366	3%
Second Semester	3,212	8,219	461	0	0	0	11,893	0	11,893	212,926	6%

* Refers to total catch landed and transhipped in all ports.

Port: MADAGASCAR

Year: 2022

Month	Catches (Mt)						Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transshipment in All Ports* (Mt)	% of Total Landing & Transshipment*
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)	Bycatch (Mt)					
Jan	580	1,678	271	1	0	0	2,530	0	2,530	28,172	9%
Feb	849	2,669	402	0	0	0	3,919	0	3,919	42,520	9%
Mar	0	0	0	0	0	0	0	0	0	41,071	0%
Apr	0	0	0	0	0	0	0	0	0	34,278	0%
May	713	2,644	183	0	0	0	3,539	0	3,539	29,405	12%
Jun	0	0	0	0	0	0	0	0	0	17,998	0%
Jul	0	0	0	0	0	0	0	0	0	20,134	0%
Aug	0	0	0	0	0	0	0	0	0	39,863	0%
Sep	674	1,678	112	0	0	0	2,464	0	2,464	50,048	5%
Oct	1,466	2,761	140	0	0	0	4,368	0	4,368	58,491	7%
Nov	286	843	42	0	0	0	1,171	0	1,171	32,564	4%
Dec	121	379	72	0	0	0	572	0	572	10,398	6%
Annual Total	4,689	12,653	1,221	1	0	0	18,564	0	18,564	404,944	5%
Quarter 1	1,429	4,347	673	1	0	0	6,449	0	6,449	111,763	6%
Quarter 2	713	2,644	183	0	0	0	3,539	0	3,539	81,681	4%
Quarter 3	674	1,678	112	0	0	0	2,464	0	2,464	110,046	2%
Quarter 4	1,874	3,984	253	0	0	0	6,111	0	6,111	101,454	6%
First Semester	2,141	6,991	855	1	0	0	9,988	0	9,988	193,445	5%
Second Semester	2,548	5,662	365	0	0	0	8,575	0	8,575	211,499	4%

* Refers to total catch landed and transhipped in all ports.

TABLE 1.7C Monthly Landing and Transshipment of Purse Seiners Statistics in Port Louis

(Database Closed on 15/08/2023)

Port: PORT LOUIS, MAURITIUS

Year: 2021

Month	Catches (Mt)						Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transshipment in All Ports* (Mt)	% of Total Landing & Transshipment*
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)	Bycatch (Mt)					
Jan	92	343	44	0	0	1	481	41	522	30,495	2%
Feb	432	446	55	0	0	1	935	3	938	44,225	2%
Mar	143	388	95	0	1	0	626	5	631	38,641	2%
Apr	201	809	75	0	0	0	1,085	0	1,085	35,502	3%
May	9	10	1	0	0	285	305	285	590	27,444	2%
Jun	76	0	4	0	0	0	80	0	80	28,059	0%
Jul	0	0	0	0	0	0	0	0	0	25,405	0%
Aug	135	487	29	0	0	0	650	10	660	41,390	2%
Sep	396	581	61	0	0	13	1,051	0	1,051	51,109	2%
Oct	148	1,159	80	0	1,057	0	2,444	37	2,481	49,799	5%
Nov	306	1,486	65	0	0	0	1,857	0	1,857	29,303	6%
Dec	0	0	0	0	0	0	0	0	0	15,921	0%
Annual Total	1,938	5,709	511	0	1,058	299	9,514	381	9,895	417,292	2%
Quarter 1	668	1,177	194	0	1	2	2,042	49	2,091	113,361	2%
Quarter 2	286	819	80	0	0	285	1,470	285	1,756	91,005	2%
Quarter 3	531	1,068	90	0	0	13	1,701	10	1,711	117,904	1%
Quarter 4	454	2,645	146	0	1,057	0	4,301	37	4,338	95,022	5%
First Semester	954	1,996	274	0	1	286	3,512	335	3,846	204,366	2%
Second Semester	984	3,713	236	0	1,057	13	6,003	46	6,049	212,926	3%

* Refers to total catch landed and transhipped in all ports.

Port: PORT LOUIS, MAURITIUS

Year: 2022

Month	Catches (Mt)						Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transshipment in All Ports* (Mt)	% of Total Landing & Transshipment*
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)	Bycatch (Mt)					
Jan	0	0	0	0	0	0	0	0	0	28,172	0%
Feb	266	282	23	0	0	27	599	0	599	42,520	1%
Mar	1,286	2,538	278	0	3	60	4,164	39	4,202	41,071	10%
Apr	713	0	266	0	0	0	979	0	979	34,278	3%
May	583	2,417	367	0	0	21	3,389	0	3,389	29,405	12%
Jun	0	0	0	0	0	0	0	0	0	17,998	0%
Jul	0	0	0	0	0	0	0	0	0	20,134	0%
Aug	0	0	0	0	0	0	0	0	0	39,863	0%
Sep	0	0	0	0	0	0	0	0	0	50,048	0%
Oct	880	2,484	185	0	0	7	3,557	7	3,564	58,491	6%
Nov	58	96	89	0	0	9	252	0	252	32,564	1%
Dec	0	0	0	0	0	0	0	0	0	10,398	0%
Annual Total	3,787	7,817	1,209	0	3	124	12,939	46	12,985	404,944	3%
Quarter 1	1,552	2,820	301	0	3	87	4,762	39	4,801	111,763	4%
Quarter 2	1,297	2,417	634	0	0	21	4,368	0	4,368	81,681	5%
Quarter 3	0	0	0	0	0	0	0	0	0	110,046	0%
Quarter 4	938	2,580	274	0	0	16	3,809	7	3,816	101,454	4%
First Semester	2,848	5,237	935	0	3	108	9,131	39	9,169	193,445	5%
Second Semester	938	2,580	274	0	0	16	3,809	7	3,816	211,499	2%

* Refers to total catch landed and transhipped in all ports.

TABLE 1.7D Monthly Landing and Transhipment of Purse Seiners Statistics in Port Others

(Database Closed on 15/08/2023)

Port: OTHERS**

Year: 2021

Month	Catches (Mt)						Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transhipment in All Ports* (Mt)	% of Total Landing & Transhipment*
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)	Bycatch (Mt)					
Jan	0	0	0	0	0	0	0	0	0	30,495	0%
Feb	0	0	0	0	0	0	0	0	0	44,225	0%
Mar	0	0	0	0	0	0	0	0	0	38,641	0%
Apr	477	168	17	0	0	0	661	0	661	35,502	2%
May	0	0	0	0	0	0	0	0	0	27,444	0%
Jun	0	0	0	0	0	0	0	0	0	28,059	0%
Jul	0	0	0	0	0	0	0	0	0	25,405	0%
Aug	0	0	0	0	0	0	0	0	0	41,390	0%
Sep	0	0	0	0	0	0	0	0	0	51,109	0%
Oct	0	0	0	0	0	0	0	0	0	49,799	0%
Nov	0	0	0	0	0	0	0	0	0	29,303	0%
Dec	0	0	0	0	0	0	0	0	0	15,921	0%
Annual Total	477	168	17	0	0	0	661	0	661	417,292	0%
Quarter 1	0	0	0	0	0	0	0	0	0	113,361	0%
Quarter 2	477	168	17	0	0	0	661	0	661	91,005	1%
Quarter 3	0	0	0	0	0	0	0	0	0	117,904	0%
Quarter 4	0	0	0	0	0	0	0	0	0	95,022	0%
First Semester	477	168	17	0	0	0	661	0	661	204,366	0%
Second Semester	0	0	0	0	0	0	0	0	0	212,926	0%

* Refers to total catch landed and transhipped in all ports.

**OTHERS include Mombassa ,South Korea and Abidjan

Port: OTHERS**

Year: 2022

Month	Catches (Mt)						Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transhipment in All Ports* (Mt)	% of Total Landing & Transhipment*
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)	Bycatch (Mt)					
Jan	0	0	0	0	0	0	0	0	0	28,172	0%
Feb	0	0	0	0	0	0	0	0	0	42,520	0%
Mar	0	0	0	0	0	0	0	0	0	41,071	0%
Apr	0	0	0	0	0	0	0	0	0	34,278	0%
May	0	0	0	0	0	0	0	0	0	29,405	0%
Jun	0	0	0	0	0	0	0	0	0	17,998	0%
Jul	0	0	0	0	0	0	0	0	0	20,134	0%
Aug	0	0	0	0	0	0	0	0	0	39,863	0%
Sep	0	0	0	0	0	0	0	0	0	50,048	0%
Oct	0	0	0	0	0	0	0	0	0	58,491	0%
Nov	0	0	0	0	0	0	0	0	0	32,564	0%
Dec	0	0	0	0	0	0	0	0	0	10,398	0%
Annual Total	0	0	0	0	0	0	0	0	0	404,944	0%
Quarter 1	0	0	0	0	0	0	0	0	0	111,763	0%
Quarter 2	0	0	0	0	0	0	0	0	0	81,681	0%
Quarter 3	0	0	0	0	0	0	0	0	0	110,046	0%
Quarter 4	0	0	0	0	0	0	0	0	0	101,454	0%
First Semester	0	0	0	0	0	0	0	0	0	193,445	0%
Second Semester	0	0	0	0	0	0	0	0	0	211,499	0%

* Refers to total catch landed and transhipped in all ports.

TABLE 1.8 Monthly Landing and Transhipment by Purse Seiners by Flag in Port Victoria

(Database Closed on 15/08/2023)

Port: Victoria, Seychelles

Year: 2021

Month	Landing by Flag					Transhipment by Flag					Landing + Transhipment by Flag				
	Seychelles	Spain	France	Others	Grand Total	Seychelles	Spain	France	Others	Grand Total	Seychelles	Spain	France	Others	Grand Total
Jan	92	1,189	2,694	891	4,866	4,980	12,223	3,279	4,625	25,107	5,072	13,412	5,973	5,516	29,973
Feb	873	776	1,539	760	3,947	13,796	13,956	5,901	4,135	37,788	14,668	14,733	7,439	4,895	41,735
Mar	490	864	3,442	1,118	5,914	7,018	15,900	3,217	3,637	29,772	7,508	16,763	6,659	4,756	35,686
Apr	2,336	217	1,592	2,866	7,011	8,209	11,977	2,824	2,309	25,319	10,545	12,194	4,416	5,175	32,330
May	2,828		2,124		4,952	8,213	10,731	1,931	1,026	21,902	11,041	10,731	4,055	1,026	26,854
Jun	1,495	375	2,119	1,401	5,390	6,583	11,573	1,898	2,536	22,589	8,077	11,948	4,017	3,937	27,979
Jul	966	1,327	2,591	124	5,008	6,523	8,566	2,381	2,927	20,397	7,489	9,893	4,972	3,051	25,405
Aug	2,209	1,729	2,254	1,608	7,801	10,213	18,042	2,282	2,392	32,929	12,423	19,771	4,536	4,000	40,730
Sep	692	102	1,710	393	2,897	12,228	20,766	3,699	2,399	39,092	12,920	20,867	5,409	2,793	41,989
Oct	3,618	1,894	2,411	875	8,797	10,544	14,934	6,601	3,852	35,930	14,161	16,828	9,011	4,727	44,727
Nov	1,290	1,806	770	1,002	4,868	5,536	7,351	4,871	3,586	21,344	6,826	9,157	5,641	4,588	26,212
Dec			1,069	1,320	2,389	3,227	1,029	5,401	3,875	13,532	3,227	1,029	6,470	5,195	15,921
Annual Total	16,888	10,279	24,315	12,360	63,841	97,070	147,047	44,285	37,298	325,701	113,958	157,326	68,600	49,658	389,542
Quarter 1	1,454	2,829	7,675	2,769	14,727	25,794	42,079	12,397	12,397	92,667	27,249	44,908	20,072	15,166	107,394
Quarter 2	6,658	592	5,835	4,268	17,353	23,005	34,282	6,653	5,871	69,810	29,663	34,873	12,488	10,139	87,163
Quarter 3	3,868	3,158	6,555	2,126	15,706	28,964	47,373	8,363	7,718	92,418	32,832	50,531	14,918	9,844	108,124
Quarter 4	4,907	3,700	4,250	3,197	16,055	19,307	23,314	16,873	11,312	70,806	24,214	27,014	21,123	14,510	86,860
Semester 1	8,112	3,421	13,510	7,037	32,080	48,799	76,360	19,050	18,268	162,477	56,912	79,781	32,560	25,305	194,557
Semester 2	8,775	6,858	10,805	5,323	31,761	48,271	70,687	25,235	19,031	163,224	57,046	77,545	36,040	24,354	194,984

Port: Victoria, Seychelles

Year: 2022

Month	Landing by Flag					Transhipment by Flag					Landing + Transhipment by Flag				
	Seychelles	Spain	France	Others	Grand Total	Seychelles	Spain	France	Others	Grand Total	Seychelles	Spain	France	Others	Grand Total
Jan	160	1,385	704	232	2,481	4,164	11,337	3,988	3,672	23,161	4,324	12,722	4,692	3,904	25,642
Feb	631	1,044	2,895	909	5,479	12,191	13,399	3,980	2,952	32,523	12,822	14,443	6,875	3,862	38,002
Mar	1,805	1,608	1,925	1,105	6,443	9,712	14,076	2,685	3,954	30,426	11,517	15,684	4,610	5,059	36,869
Apr	49	21	1,818	526	2,414	10,180	10,602	4,392	5,710	30,885	10,230	10,622	6,211	6,236	33,299
May	1,032	1,676	315	1,071	4,093	3,004	7,328	4,676	3,376	18,383	4,036	9,004	4,991	4,447	22,477
Jun	2,888	550	970	119	4,527	3,494	4,552	2,740	2,685	13,472	6,382	5,103	3,710	2,804	17,998
Jul	2,434	383	1,821	57	4,695	3,795	7,955	1,951	1,738	15,440	6,229	8,338	3,773	1,795	20,134
Aug	2,716	2,421	1,049	868	7,054	12,362	12,351	2,906	5,189	32,809	15,078	14,773	3,956	6,057	39,863
Sep	1,592	1,665	2,457	935	6,649	14,238	19,753	2,767	4,176	40,935	15,830	21,418	5,224	5,111	47,584
Oct	1,149	3,710	3,322	676	8,856	11,404	16,508	5,728	8,063	41,703	12,553	20,218	9,050	8,739	50,559
Nov	743		2,559	611	3,912	12,162	6,897	2,522	5,649	27,229	12,905	6,897	5,080	6,259	31,141
Dec	461	503	534		1,499	1,872	238	490	5,726	8,327	2,334	742	1,025	5,726	9,826
Annual Total	15,659	14,966	20,369	7,109	58,103	98,580	124,997	38,826	52,890	315,293	114,239	139,963	59,195	59,998	373,395
Quarter 1	2,595	4,037	5,523	2,247	14,403	26,067	38,812	10,653	10,578	86,110	28,663	42,849	16,176	12,824	100,513
Quarter 2	3,969	2,247	3,103	1,715	11,034	16,679	22,482	11,808	11,771	62,740	20,647	24,728	14,911	13,487	73,774
Quarter 3	6,741	4,469	5,328	1,860	18,398	30,396	40,060	7,625	11,103	89,184	37,137	44,529	12,953	12,963	107,581
Quarter 4	2,354	4,213	6,415	1,287	14,268	25,439	23,643	8,740	19,437	77,259	27,792	27,856	15,155	20,724	91,527
Semester 1	6,564	6,284	8,627	3,962	25,437	42,746	61,294	22,461	22,349	148,850	49,310	67,578	31,088	26,311	174,287
Semester 2	9,095	8,682	11,742	3,146	32,666	55,834	63,703	16,365	30,541	166,443	64,929	72,385	28,107	33,687	199,109

TABLE 1.9 Quarterly Landing and Transhipment by Purse Seiners by Species Category in Port Victoria

(Database Closed on 15/08/2023)

Port: VICTORIA, SEYCHELLES

Year: 2021

	Destination	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Bycatch (MT)	Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8kg)	(1.8kg - 3.4kg)	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)				
Landing (Mt)	Local Company	Quarter 1													492	492
		Quarter 2													693	693
		Quarter 3													317	317
		Quarter 4													357	357
	Local Company Total														1,858	1,858
	IOT	Quarter 1	1,997	2,733	26	1,018	2,178	1,653	98	1,085	85	51	0	2,655		13,578
		Quarter 2	2,039	2,787	91	647	6,918	1,990	119	739	220	7	10	374		15,941
		Quarter 3	1,772	2,865	331	1,280	5,619	1,039	451	484	99	12	165	902		15,019
		Quarter 4	1,783	2,179	890	645	6,201	1,725	1,707	260	115	80	0			15,585
	IOT Landing Total			7,591	10,564	1,338	3,591	20,915	6,407	2,374	2,568	519	150	175	3,931	
Landing Total			7,591	10,564	1,338	3,591	20,915	6,407	2,374	2,568	519	150	175	3,931	1,858	61,982
Transhipment (Mt)	Container	Quarter 1	2,704	11,617	7,310	1,238	6,600	3,194	15,675	1,898	1,176	3,396	3	10,005		64,815
		Quarter 2	1,602	5,078	5,694	2,134	9,975	2,085	13,700	1,113	726	2,410	6	7,485		52,008
		Quarter 3	3,551	6,849	9,237	3,233	19,340	4,046	16,700	2,028	709	2,801	71	2,165		70,731
		Quarter 4	2,882	5,008	2,412	1,605	16,118	3,789	7,030	1,467	1,795	1,222		6,515		49,842
	Container Total			10,739	28,552	24,653	8,210	52,033	13,113	53,105	6,506	4,406	9,829	80	26,170	
	Reefer	Quarter 1	1,713	3,906	1,430	2,129	6,981	4,206	4,047	1,145	486	390	11	1,408		27,852
		Quarter 2	1,768	818	654	846	6,700	2,177	3,054	777	270	157		582		17,803
		Quarter 3	1,446	897	1,778	1,252	7,078	1,886	5,460	791	163	920	7	9		21,686
		Quarter 4	2,769	641	469	2,031	9,896	2,956	722	971	121	388		0		20,963
	Reefer Total			7,697	6,262	4,331	6,259	30,655	11,225	13,282	3,683	1,040	1,855	18	1,998	
Transhipment Total			18,436	34,814	28,984	14,469	82,688	24,338	66,388	10,189	5,446	11,684	98	28,168	0	325,701
Total (Mt)		Quarter 1	6,414	18,256	8,766	4,385	15,759	9,052	19,820	4,128	1,746	3,837	14	14,067	492	106,737
		Quarter 2	5,409	8,683	6,438	3,627	23,594	6,252	16,872	2,630	1,216	2,575	16	8,441	693	86,445
		Quarter 3	6,769	10,611	11,346	5,766	32,037	6,972	22,611	3,303	971	3,733	243	3,076	317	107,754
		Quarter 4	7,434	7,828	3,771	4,281	32,214	8,470	9,459	2,698	2,031	1,689	0	6,515	357	86,748
		Year Total			26,027	45,378	30,322	18,060	103,604	30,745	68,762	12,758	5,965	11,834	272	32,100

Mix Species* includes all tuna species that are not reported by species and category.

Note: The landing and transhipment presented in this table excludes discards.

Port: VICTORIA, SEYCHELLES

Year: 2022

	Destination	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Bycatch (MT)	Total (Mt)	
			(-10kg)	(+10kg)	(Mix)	(-1.8kg)	1.8kg - 3.4kg	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)					
Landing (Mt)	Local Company	Quarter 1												39	1,163	1,202	
		Quarter 2												33	528	561	
		Quarter 3			467				390			386			21	927	2,191
		Quarter 4	15	260	576	13	1,235	650	70	25	30			34	1,107	4,015	
	Local Company Total		15	260	1,042	13	1,235	1,041	70	25	416			127	3,725	7,968	
	IOT	Quarter 1	1,435	4,603	596	300	2,821	1,156	1,590	369	227	82		9		13,188	
		Quarter 2	898	1,878	452	486	2,256	2,532	890	315	139	65		563		10,473	
		Quarter 3	1,339	6,086	1,993	1,158	2,256	2,475	169	444	97	48				16,065	
		Quarter 4	927	3,737	247	476	1,069	2,480	590	444	238	22		3		10,233	
	IOT Landing Total		4,598	16,303	3,288	2,421	8,402	8,642	3,240	1,572	701	217		575		49,958	
Landing Total			4,613	16,563	4,330	2,434	9,637	8,642	4,280	1,642	726	633	0	702	3,725	57,926	
Transshipment (Mt)	Container	Quarter 1	1,974	11,438	9,503	779	9,866	3,075	10,484	1,134	1,357	2,058		5,881		57,548	
		Quarter 2	1,736	5,468	2,733	1,028	6,228	4,707	6,753	650	800	758	1	4,530		35,392	
		Quarter 3	2,332	10,686	3,601	3,178	10,588	6,348	7,246	1,671	3,188	2,108	12	1,901		52,860	
		Quarter 4	1,611	6,497	2,568	3,715	4,292	3,122	3,889	902	1,328	1,624		172		29,720	
	Container Total		7,652	34,089	18,405	8,700	30,974	17,251	28,373	4,356	6,673	6,548	13	12,484		175,520	
	Reefer	Quarter 1	3,002	1,055	644	2,131	11,336	4,132	3,119	1,098	383	394		1,268		28,563	
		Quarter 2	1,299	1,314	665	1,072	7,037	5,815	5,050	534	225	115		4,222		27,348	
		Quarter 3	1,078	1,152	4,336	2,214	6,011	7,395	10,678	454	249	1,751		1,005		36,324	
		Quarter 4	2,802	2,956	3,356	4,914	7,528	12,389	9,372	1,389	888	1,561		383		47,539	
	Reefer Total		8,180	6,478	9,002	10,331	31,913	29,732	28,219	3,474	1,745	3,821		6,878		139,773	
Transshipment Total			15,832	40,567	27,406	19,032	62,887	46,984	56,592	7,830	8,418	10,369	13	19,363	0	315,293	
Total (Mt)		Quarter 1	6,410	17,096	10,743	3,209	24,023	8,363	15,193	2,600	1,967	2,535	0	7,197	1,163	100,500	
		Quarter 2	3,932	8,660	3,850	2,587	15,520	13,055	12,693	1,498	1,164	937	1	9,348	528	73,773	
		Quarter 3	4,748	17,923	10,397	6,551	18,855	16,218	18,484	2,570	3,534	4,293	12	2,927	927	107,439	
		Quarter 4	5,356	13,449	6,747	9,118	14,125	17,991	14,501	2,804	2,479	3,237	0	593	1,107	91,507	
		Year Total		20,445	57,130	31,737	21,465	72,523	55,626	60,872	9,472	9,144	11,002	13	20,065	3,725	373,219

Mix Species* includes all tuna species that are not reported by species and category.

Note: The landing and transshipment presented in this table excludes discards.

TABLE 1.10 Quarterly Landing and Transshipment OF Purse Seiners by Access Regime in Port Victoria

(Database Closed on 15/08/2023)

Port: VICTORIA, SEYCHELLES

Year: 2021

	Access Regime	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Bycatch	Total (Mt)	Cumulative Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8)	(1.8kg - 3.4kg)	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)					
Landing	National	Quarter 1	128	135		16	499	50		49	1				274	1,153	1,153
		Quarter 2	889	525		305	3,299	726		297	25				293	6,359	7,512
		Quarter 3	393	1,078		209	1,411	275		137	30				155	3,688	11,200
		Quarter 4	787	476		289	2,001	972		51	32				194	4,801	16,001
	National Total		2,198	2,215		819	7,209	2,023		534	88				916	16,001	
	EU Agreement	Quarter 1	1,559	2,353	26	971	1,346	1,315	98	915	71	51	0	2,655	177	11,537	11,537
		Quarter 2	883	1,773	91	278	2,926	801	119	323	192	7	10	374	318	8,094	19,631
		Quarter 3	1,178	1,551	331	1,012	3,484	609	451	314	55	12	165	902	141	10,204	29,835
		Quarter 4	670	1,496	890	188	2,508	431	1,707	100	83	80			140	8,292	38,127
	EU Agreement Total		4,290	7,174	1,338	2,449	10,264	3,157	2,374	1,651	401	150	174	3,931	775	38,127	
	Others	Quarter 1	310	244		31	333	288		121	12				41	1,380	1,380
		Quarter 2	267	489		65	693	463		119	3				82	2,181	3,561
		Quarter 3	201	235		60	724	155		33	14				21	1,444	5,005
		Quarter 4	325	207		168	1,692	322		109	1		0		23	2,849	7,854
	Others Total		1,103	1,176		324	3,442	1,227		383	30		0		168	7,854	
	All Agreements	Quarter 1	1,997	2,733	26	1,018	2,178	1,653	98	1,085	85	51	0	2,655	492	14,070	14,070
		Quarter 2	2,039	2,787	91	647	6,918	1,990	119	739	220	7	10	374	693	16,634	30,704
		Quarter 3	1,772	2,865	331	1,280	5,619	1,039	451	484	99	12	165	902	317	15,336	46,040
		Quarter 4	1,783	2,179	890	645	6,201	1,725	1,707	260	115	80	0	0	357	15,942	61,982
	Landing Total		7,591	10,564	1,338	3,591	20,915	6,407	2,374	2,568	519	150	175	3,931	1,858	61,982	
Transshipment	National	Quarter 1	1,608	4,717	589	2,465	7,646	4,095	1,856	1,768	671	380				25,794	25,794
		Quarter 2	2,324	2,312	312	1,493	10,625	3,088	1,024	1,159	442	220	6			23,005	48,799
		Quarter 3	3,530	3,025		2,208	13,634	4,396		1,746	410		13			28,964	77,763
		Quarter 4	2,425	2,032		1,783	7,895	3,494		1,423	255					19,307	97,070
	National Total		9,888	12,086	901	7,949	39,801	15,073	2,879	6,095	1,778	600	19			97,070	
	EU Agreement	Quarter 1	1,995	7,440	8,151	645	4,195	2,398	17,866	760	797	3,407	14	7,996		55,663	55,663
		Quarter 2	850	2,841	5,519	1,361	5,232	994	14,614	611	542	2,347		6,025		40,934	96,598
		Quarter 3	1,180	3,061	11,016	2,200	9,315	1,245	22,160	943	412	3,721	65	623		55,941	152,539
		Quarter 4	2,572	3,011	2,824	1,062	14,219	2,631	7,752	790	1,661	1,585		2,997		41,104	193,643
	EU Agreement Total		6,596	16,353	27,510	5,268	32,960	7,268	62,393	3,103	3,412	11,060	78	17,641		193,643	
	Others	Quarter 1	815	3,366		257	1,740	906		515	193			3,417		11,209	11,209
		Quarter 2	196	743	516	127	819	180	1,115	121	13			2,042		5,871	17,080
		Quarter 3	287	1,660		77	3,468	290		130	49			1,551		7,513	24,593
		Quarter 4	654	606	57	791	3,900	620		225	0	24		3,518		10,395	34,988
	Others Total		1,951	6,375	573	1,252	9,927	1,997	1,115	991	255	24		10,528		34,988	
	All Agreements	Quarter 1	4,418	15,523	8,740	3,367	13,581	7,399	19,722	3,042	1,662	3,786	14	11,413	0	92,667	92,667
		Quarter 2	3,370	5,896	6,347	2,980	16,676	4,262	16,753	1,891	996	2,567	6	8,067	0	69,810	162,477
		Quarter 3	4,997	7,746	11,016	4,485	26,418	5,932	22,160	2,819	872	3,721	78	2,174	0	92,418	254,895
		Quarter 4	5,651	5,649	2,881	3,636	26,013	6,745	7,752	2,438	1,916	1,609	0	6,515	0	70,806	325,701
	Transshipment Total		18,436	34,814	28,984	14,469	82,688	24,338	66,388	10,189	5,446	11,684	98	28,168	0	325,701	
Year Total		26,027	45,378	30,322	18,060	103,604	30,745	68,762	12,758	5,965	11,834	272	32,100	1,858	387,683		

Mix Species* includes all tuna species that are not reported by species and category.

Note: The landing and transshipment presented in this table excludes discards.

Port: VICTORIA, SEYCHELLES

Year: 2022

	Access Regime	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Bycatch	Total (Mt)	Cummulative Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8)	(1.8kg - 3.4kg)	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)					
Landing	National	Quarter 1	312	759		28	378	380		22	1				715	2,595	2,595
		Quarter 2	354	414		341	1,209	1,286		107	30				227	3,969	6,564
		Quarter 3	246	3,424		331	859	1,144		59	28				511	6,601	13,165
		Quarter 4	227	553		17	174	665		106	45				564	2,351	15,516
	National Total		1,139	5,149		717	2,619	3,476		294	105				2,017	15,516	
	EU Agreement	Quarter 1	846	3,619	596	257	2,105	661	1,590	264	207	82		48	384	10,662	10,662
		Quarter 2	350	1,260	452	103	710	450	890	139	75	65		595	260	5,350	16,011
		Quarter 3	966	2,310	2,460	782	915	1,054	560	276	58	434		21	307	10,144	26,155
		Quarter 4	665	3,176	325	472	2,118	1,709	1,240	398	212	32		37	447	10,833	36,988
	EU Agreement Total		2,828	10,366	3,833	1,614	5,848	3,875	4,280	1,078	552	613		702	1,398	36,988	
	Others	Quarter 1	276	225		15	338	114		82	19			0	64	1,133	1,133
		Quarter 2	194	203		43	338	795		69	34			0	41	1,715	2,848
		Quarter 3	126	352		45	482	277		109	11			0	109	1,510	4,358
		Quarter 4	51	267	497	0	12	105		9	6	20		0	96	1,063	5,422
	Others Total		647	1,048	497	102	1,169	1,291		270	69	20		0	310	5,422	
	All Agreements	Quarter 1	1,435	4,603	596	300	2,821	1,156	1,590	369	227	82	0	48	1,163	14,390	14,390
		Quarter 2	898	1,878	452	486	2,256	2,532	890	315	139	65	0	595	528	11,034	25,423
		Quarter 3	1,339	6,086	2,460	1,158	2,256	2,475	560	444	97	434	0	21	927	18,256	43,679
		Quarter 4	942	3,996	822	489	2,304	2,480	1,240	514	263	52	0	37	1,107	14,248	57,926
	Landing Total		4,613	16,563	4,330	2,434	9,637	8,642	4,280	1,642	726	633	0	702	3,725	57,926	
Transshipment	National	Quarter 1	2,539	4,587		1,487	9,913	5,256		1,370	916		0		26,067	26,067	
		Quarter 2	1,288	2,910		1,114	4,878	5,047		496	527		1	418	16,679	42,746	
		Quarter 3	1,836	4,316		1,654	7,696	11,511		1,342	2,042		0	0	30,396	73,142	
		Quarter 4	2,007	3,816		1,884	3,882	11,489		1,203	1,148			10	25,439	98,580	
	National Total		7,669	15,629		6,138	26,368	33,302		4,411	4,633		1	428	98,580		
	EU Agreement	Quarter 1	1,992	5,545	10,147	1,345	9,365	1,360	13,603	677	737	2,453		3,278	50,500	50,500	
		Quarter 2	1,265	2,724	2,731	891	7,272	4,003	7,509	451	481	720		6,242	34,290	84,790	
		Quarter 3	1,098	5,506	6,745	1,004	7,379	1,494	16,357	442	1,172	3,570	12	2,906	47,685	132,475	
		Quarter 4	1,381	3,662	3,601	2,844	4,680	2,450	9,489	747	822	2,605		102	32,384	164,859	
	EU Agreement Total		5,735	17,437	23,224	6,083	28,696	9,307	46,957	2,318	3,212	9,348	12	12,528	164,859		
	Others	Quarter 1	444	2,361		78	1,925	592		184	87			3,871	9,543	9,543	
		Quarter 2	482	1,149	667	95	1,114	1,473	4,294	236	18	153		2,092	11,771	21,314	
		Quarter 3	475	2,016	1,192	2,736	1,524	738	1,568	341	223	289		0	11,103	32,417	
		Quarter 4	1,026	1,975	2,323	3,901	3,259	1,572	3,772	340	245	580		444	19,437	51,854	
	Others Total		2,427	7,501	4,182	6,810	7,822	4,374	9,634	1,102	573	1,021		6,407	51,854		
	All Agreements	Quarter 1	4,975	12,493	10,147	2,910	21,202	7,207	13,603	2,232	1,740	2,453	0	7,149	0	86,110	86,110
		Quarter 2	3,034	6,783	3,398	2,100	13,265	10,523	11,803	1,183	1,025	872	1	8,752	0	62,740	148,850
		Quarter 3	3,409	11,838	7,937	5,393	16,599	13,743	17,925	2,125	3,437	3,859	12	2,906	0	89,184	238,034
		Quarter 4	4,413	9,453	5,924	8,629	11,821	15,511	13,261	2,290	2,216	3,185	0	556	0	77,259	315,293
	Transshipment Total		15,832	40,567	27,406	19,032	62,887	46,984	56,592	7,830	8,418	10,369	13	19,363	0	315,293	
Year Total		20,445	57,130	31,737	21,465	72,523	55,626	60,872	9,472	9,144	11,002	13	20,065	3,725	373,219		

Mix Species* includes all tuna species that are not reported by species and category.

Note: The landing and transshipment presented in this table excludes discards.

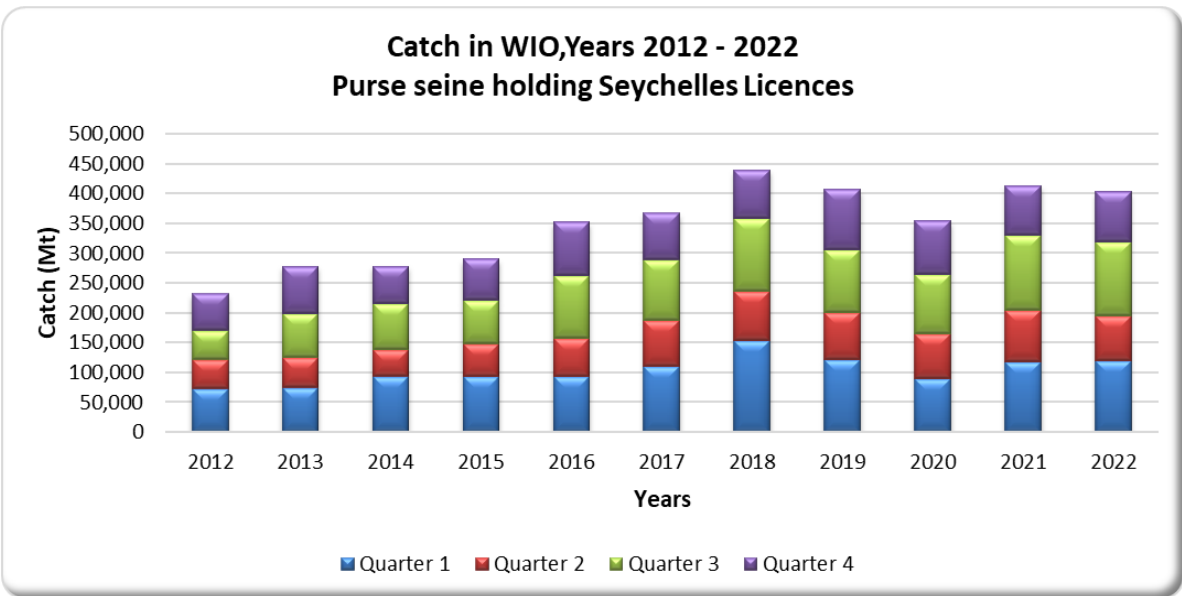


Figure 1A: Purse Seine total catch in the WIO by Year, 2012 - 2022

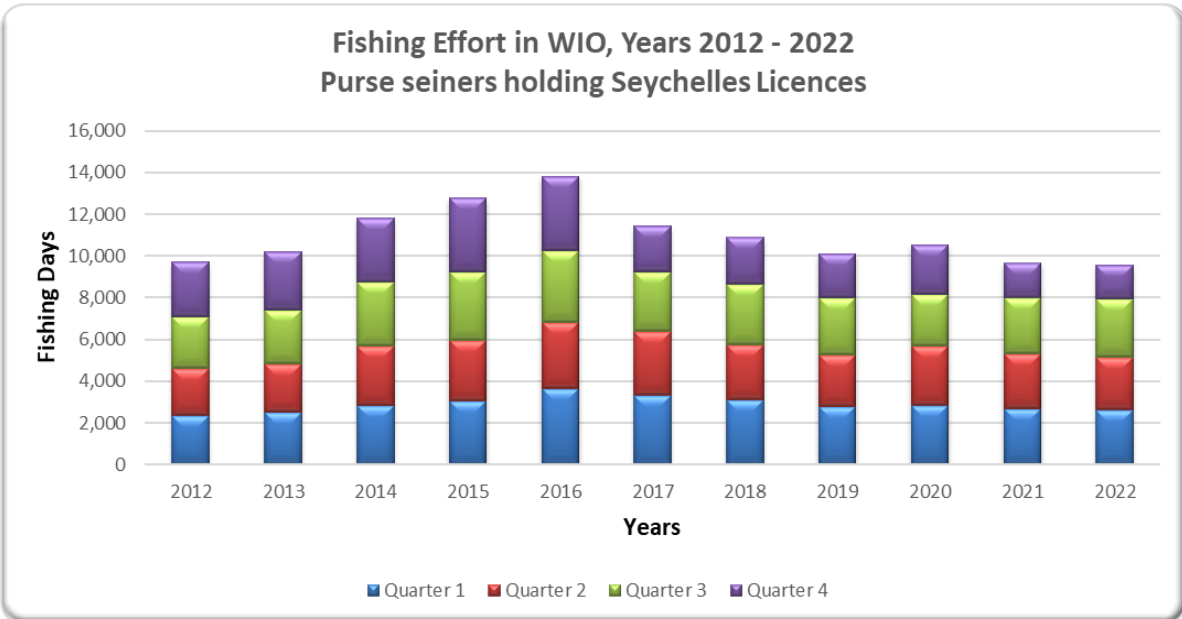


Figure 1B: Purse Seine fishing effort in the WIO by Year, 2012 - 2022

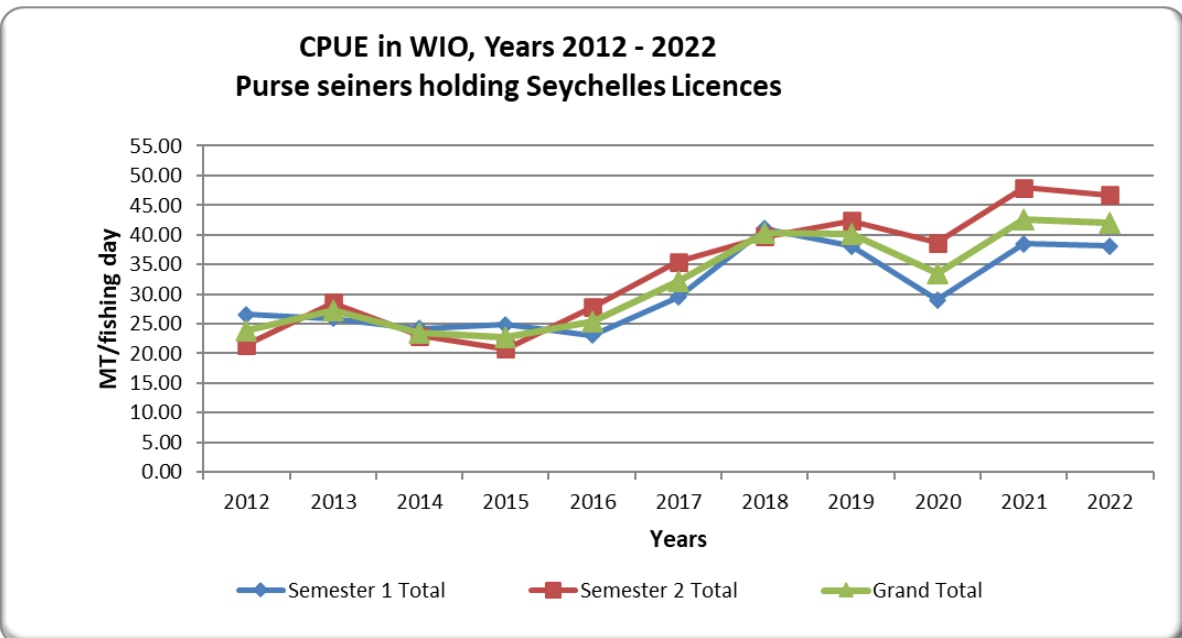


Figure 1C: Purse Seine CPUE in the WIO by Year, 2012 - 2022

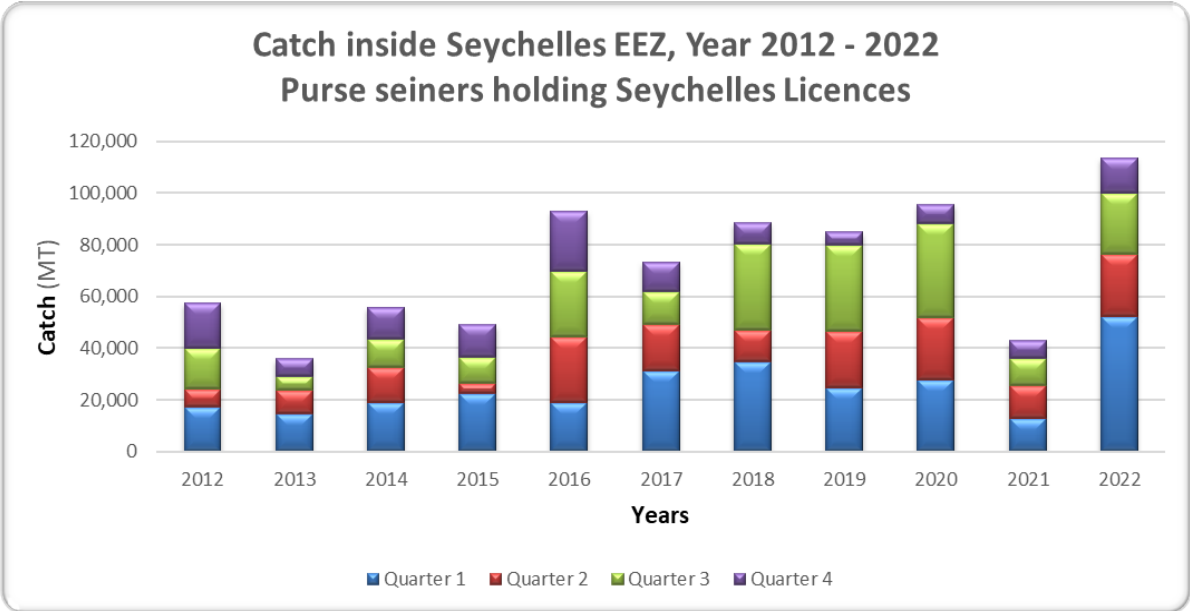


Figure 1D: Purse Seine total catch in the Seychelles EEZ by Year, 2012 - 2022

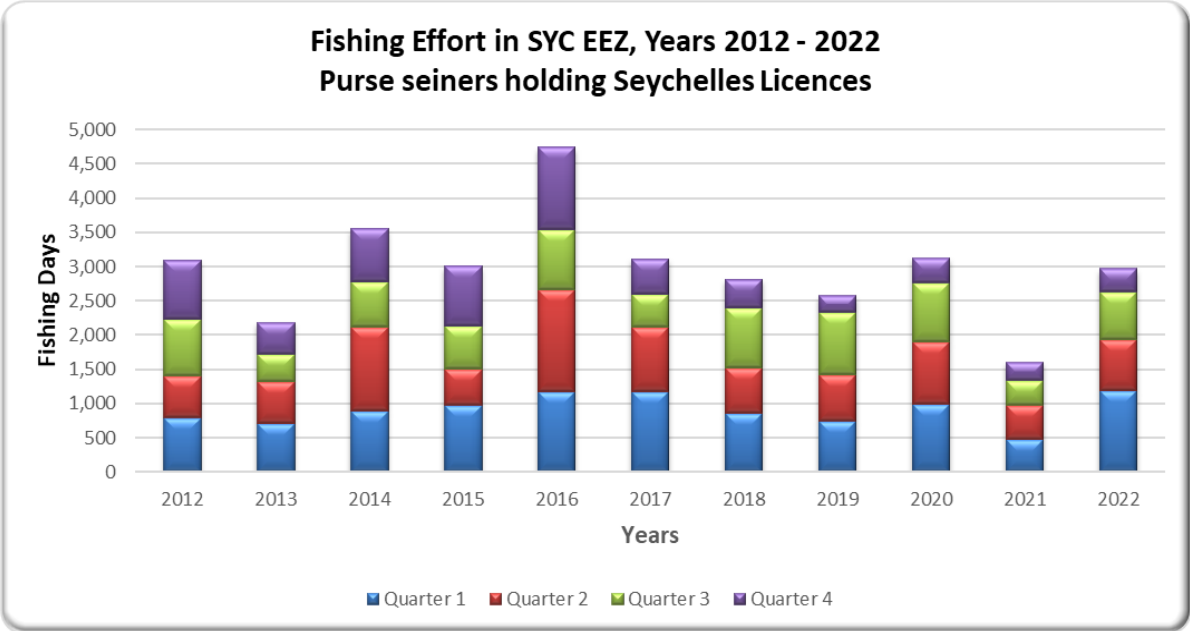


Figure 1E: Purse Seine fishing effort in the Seychelles EEZ by Year, 2012 - 2022

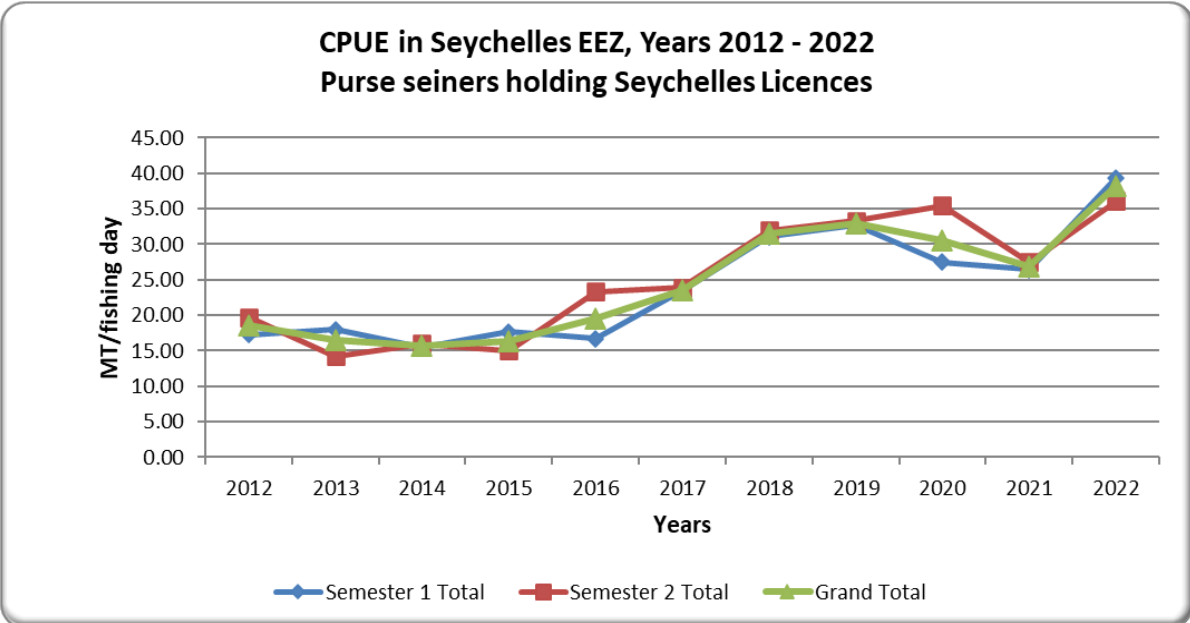


Figure 1F: Purse Seine CPUE in the Seychelles EEZ by Year, 2012 - 2022

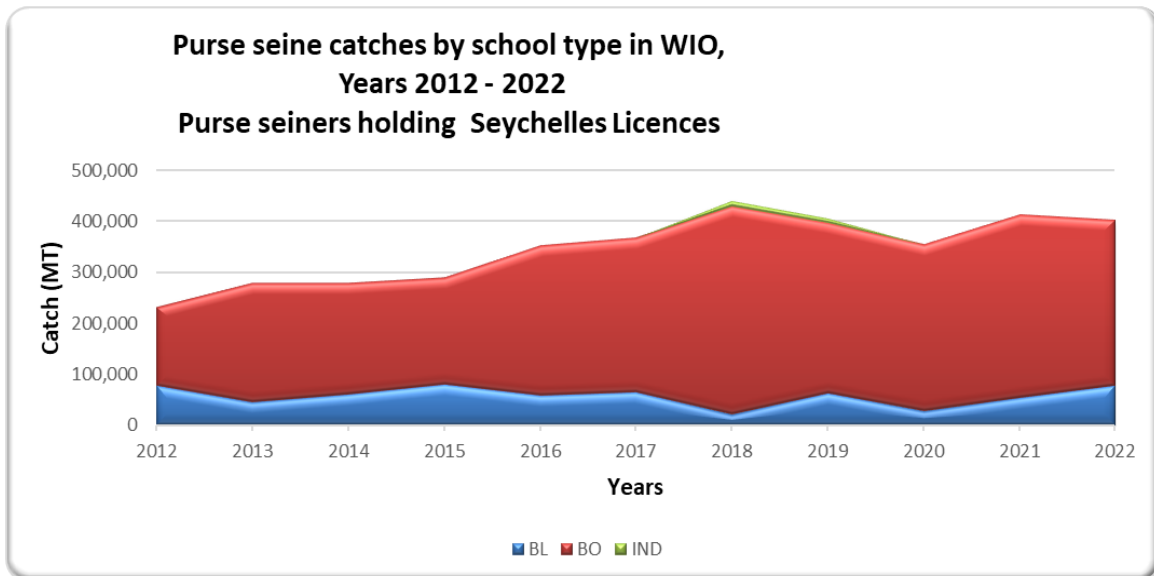


Figure 1G: Purse Seine catches by school type in WIO, Years 2012 - 2022

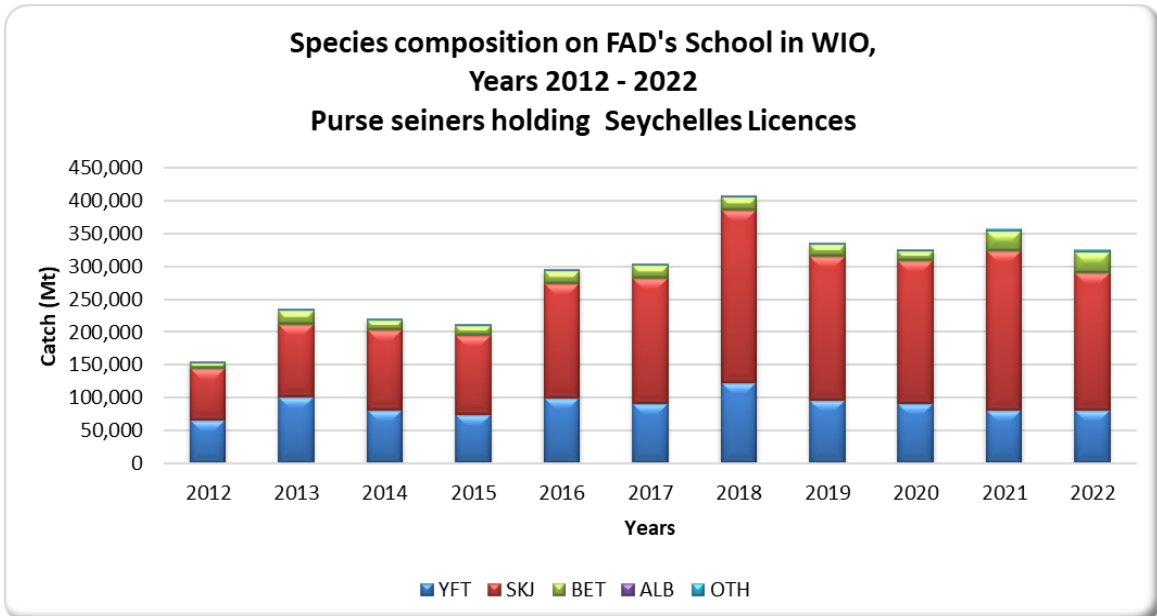


Figure 1H: Purse Seine species composition on FAD's associated school, Years 2012 -2022

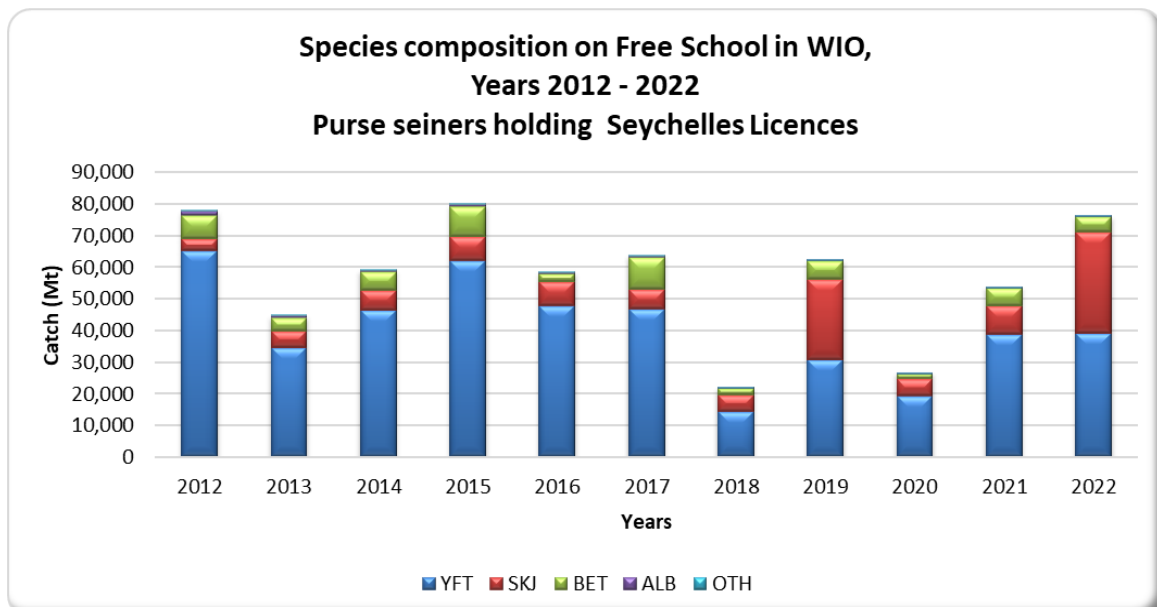


Figure 1I: Purse Seine species composition on free school, years 2012 -2022

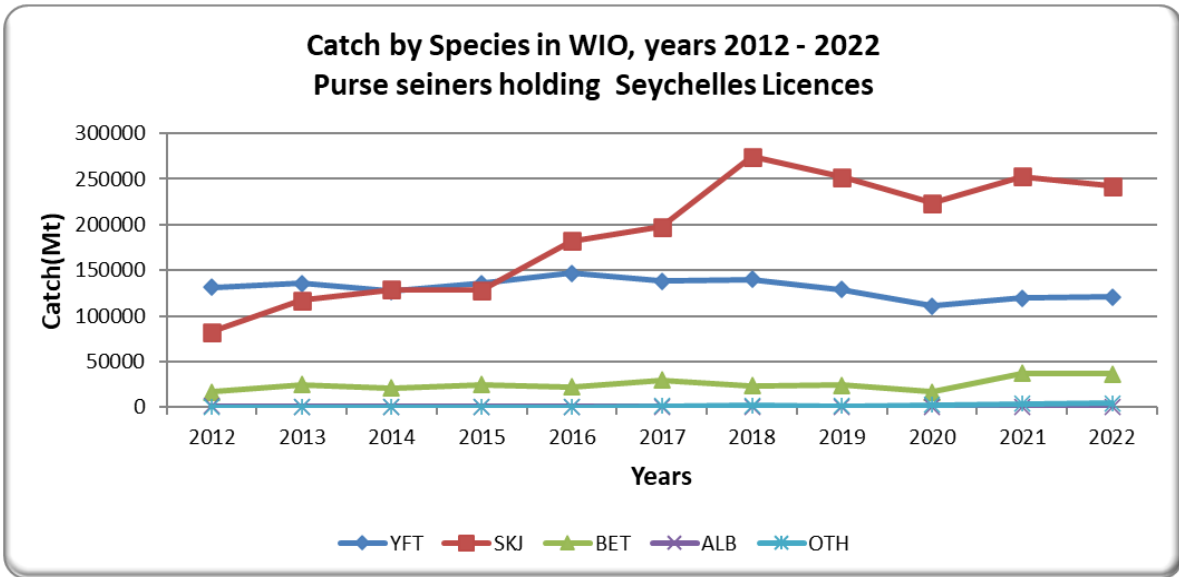


Figure 1J: Purse Seine catch by species in WIO, Years 2012 - 2022

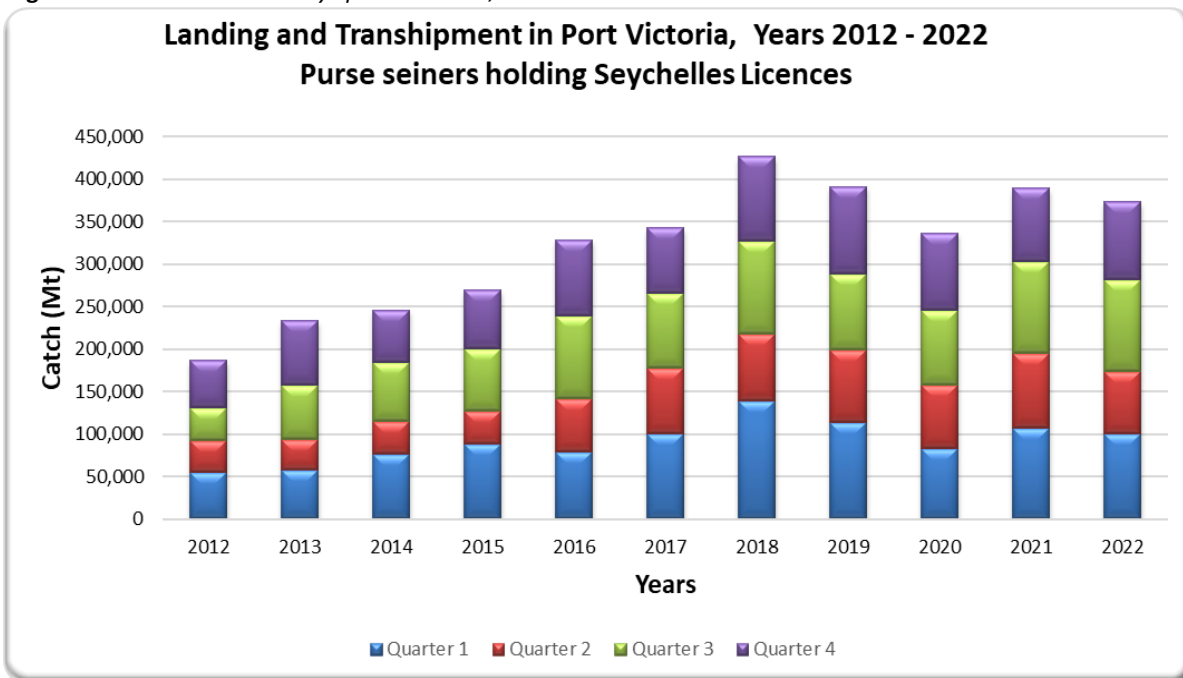


Figure 1K: Purse Seine landing and transhipment in port Victoria, Years 2012 - 2022

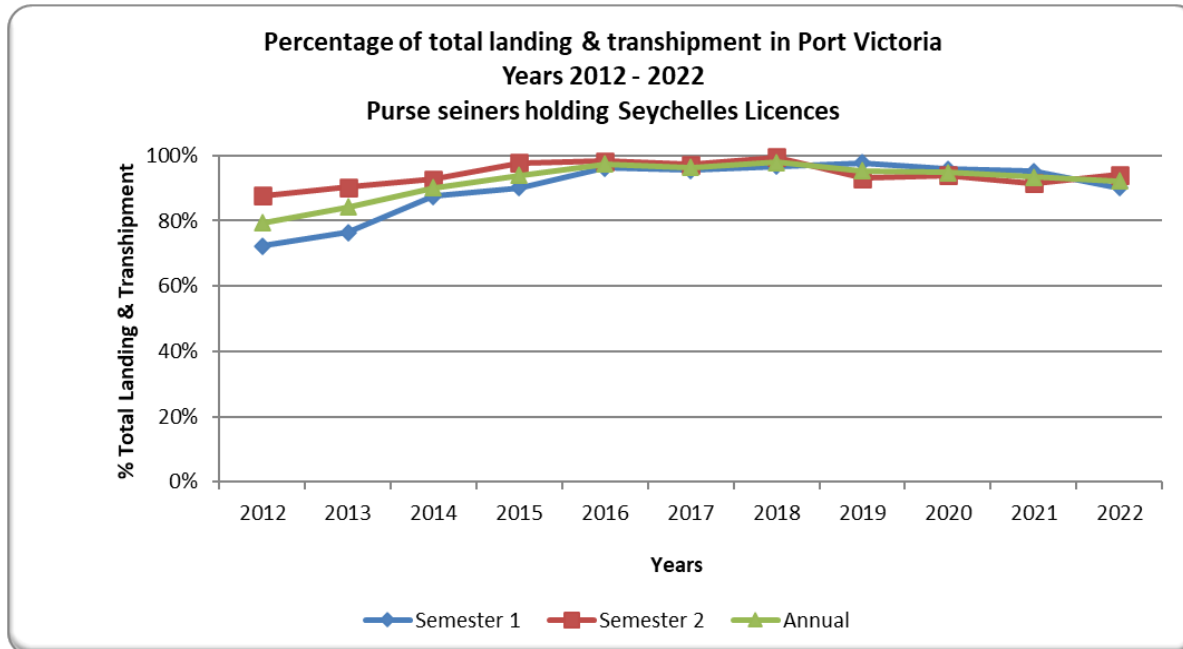
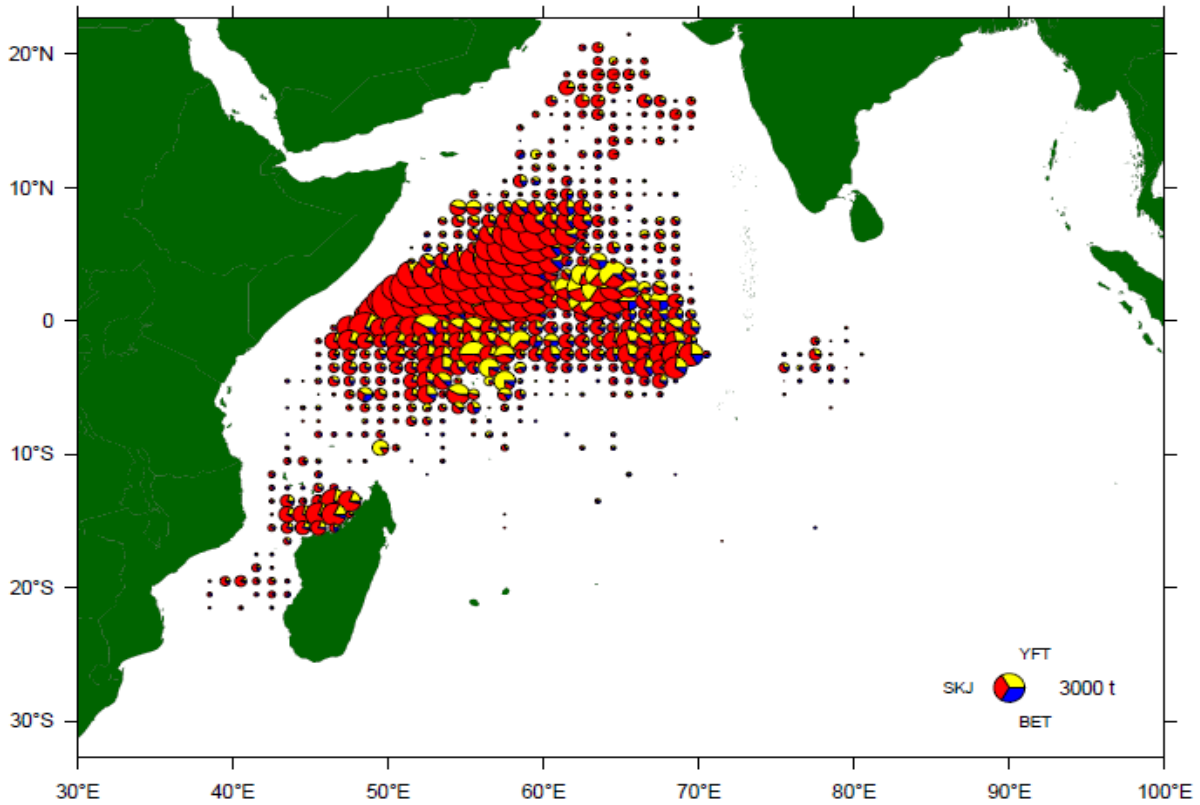


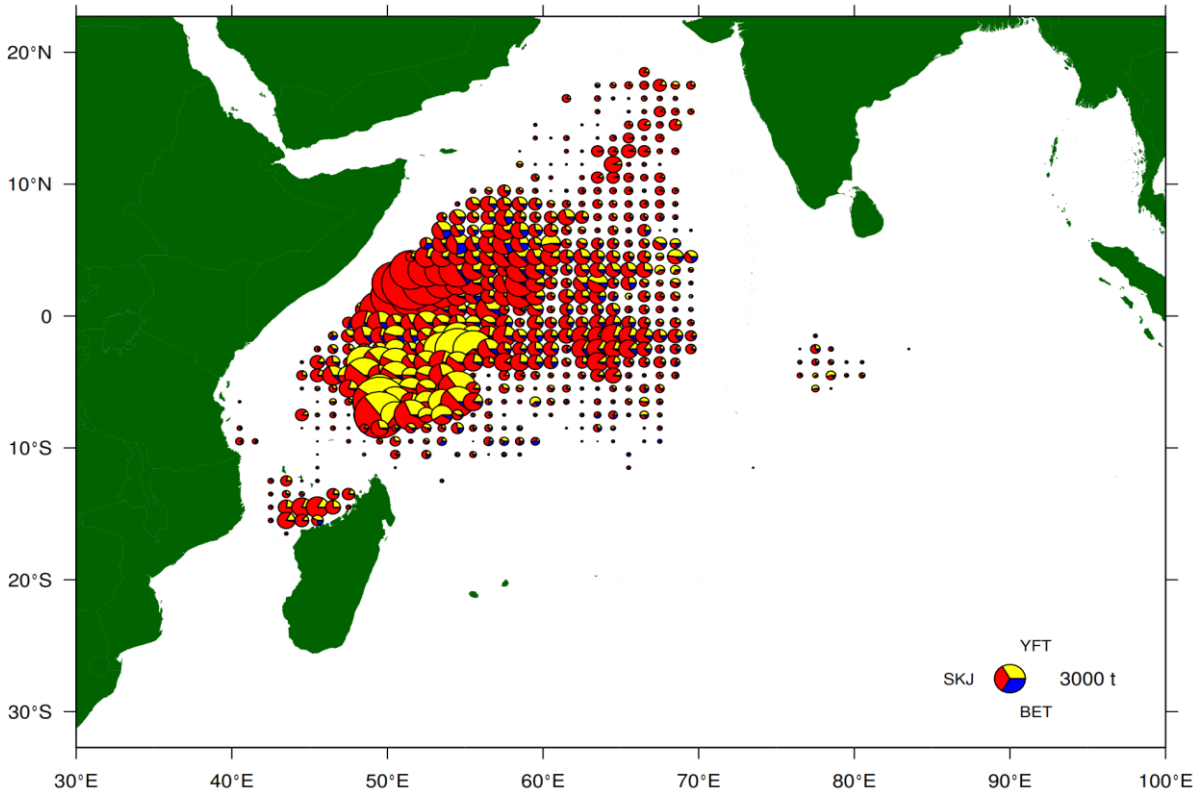
Figure 1L: Proportion of Purse Seine landing and transhipment in port Victoria, Years 2012 - 2022

Fishing Ground Exploited by Purse Seiners

Map 1A. Purse seiners fishing ground for Year 2021

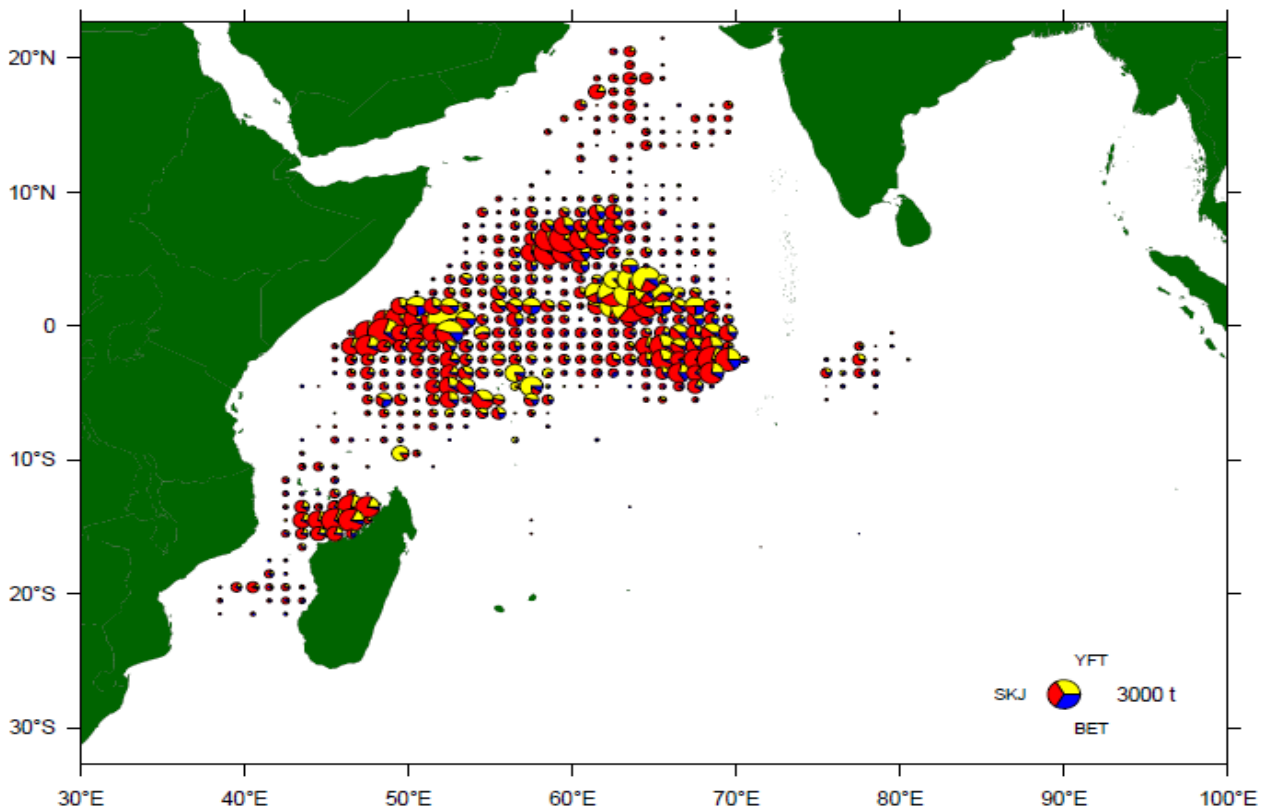


Map 1B. Purse seiners fishing ground for Year 2022

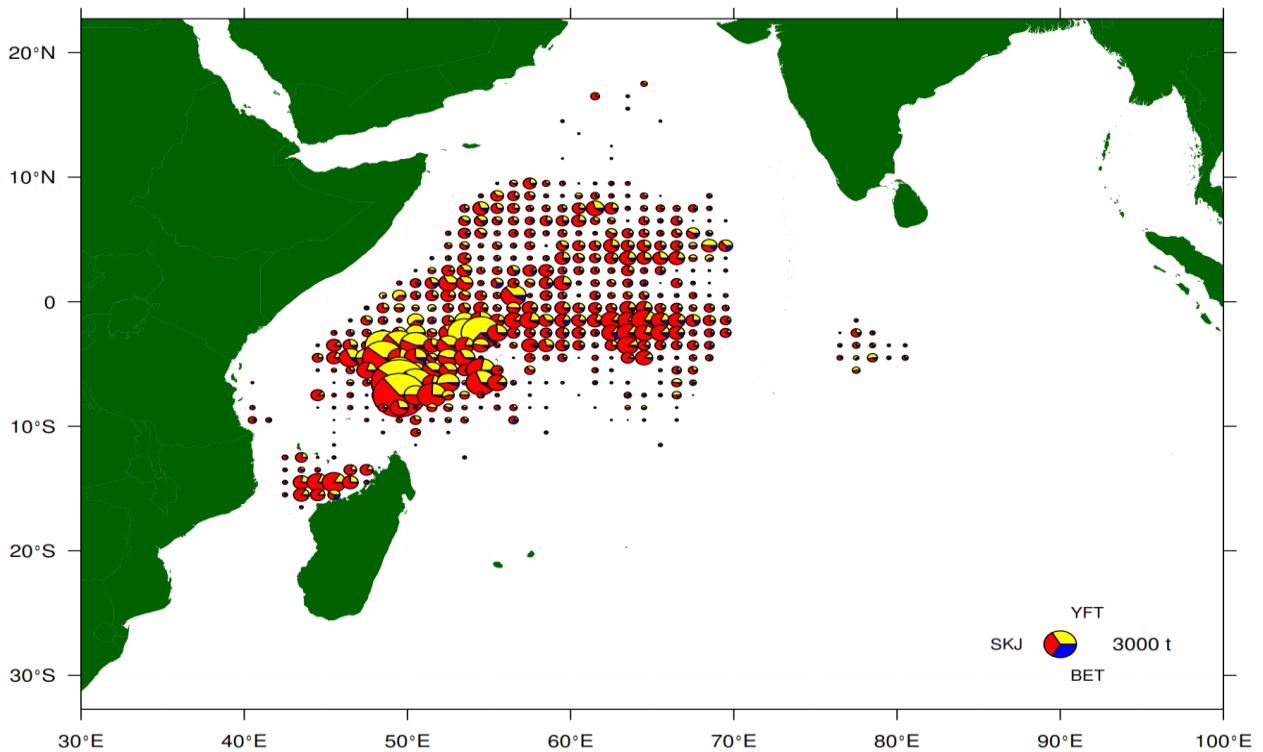


Fishing Ground Exploited by Purse Seiners

Map 1C. Purse seiners fishing ground for 1st Semester 2021

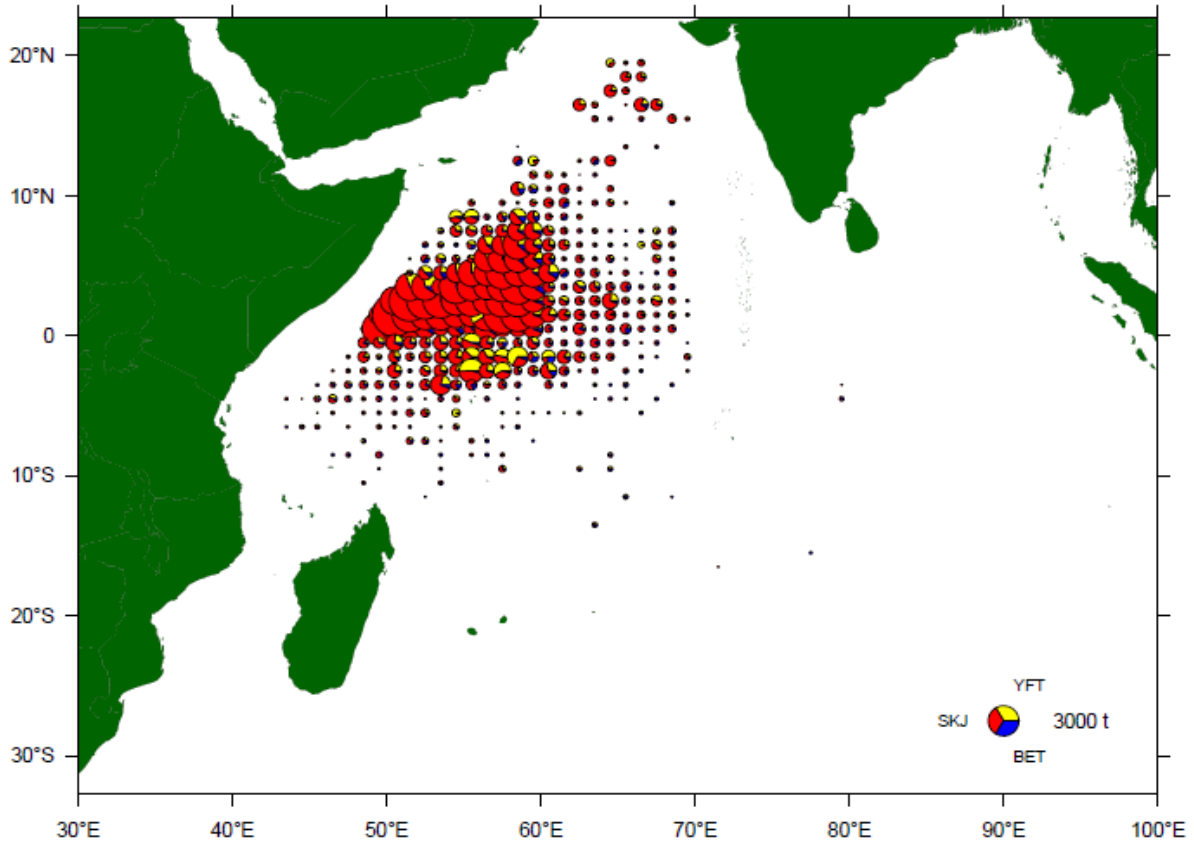


Map 1D. Purse seiners fishing ground for 1st Semester 2022

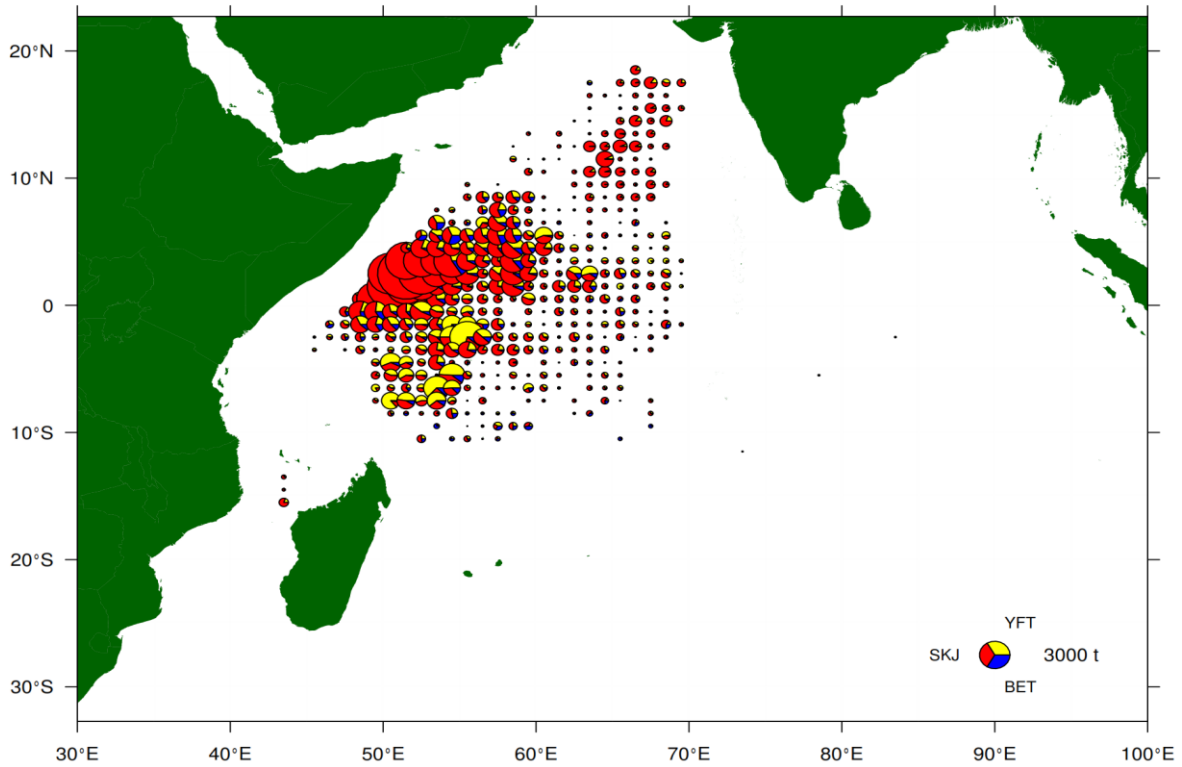


Fishing Ground Exploited by Purse Seiners

Map 1E: Purse seiners fishing ground for 2nd Semester 2021



Map 1F: Purse seiners fishing ground for 2nd Semester 2022



Industrial Longline Fishery



2. SUMMARY OF INDUSTRIAL LONGLINE FISHERY

2.1. *Logbook Returned*

- The statistics published for year 2022 and 2021 relates to 100% logbooks captured in the database at the time when those statistical tables were generated. (Table 2.2).

2.2. *Vessels Licensed and Active*

- The number of industrial longliners licensed to fish inside the Seychelles EEZ fluctuated during the period 2012 to 2015 followed by an increasing trend 213 vessels licensed in 2018 and has since then remained more or less constant (table 2.1).
- For the year 2022, the number of vessels licensed to fish inside the Seychelles EEZ decreased by 12 vessels resulting in a total of 176 vessels licensed compared to 188 vessels licensed the previous year. There was a decrease of 9% in number of Seychelles registered vessels from 64 vessels registered in 2021 to 58 vessels registered in 2022. The number of vessels licensed under the EU agreement decreased from 6 vessel in 2021 to 3 vessels in 2022. Licenses were also issued to 3 vessels, registered under Oman whilst 12 vessels changed flag from Seychelles to Mauritius.
- On average, 33 Seychelles registered longliners vessels were active per month during the year 2022 compared to 47 vessels active during the year 2021. In 2022, an average of 34 Taiwanese vessels ,3 Mauritian, 1 Omanese and 1 Chinese vessel were active inside the Seychelles EEZ per month compared to an average of 34 Taiwanese vessels and 4 Chinese vessels active in the year 2021 (table 2.1C).
- It must be noted that according to logbooks received for the year 2021, no vessels were active in the Seychelles EEZ during the month of July and August. During the year 2022, no vessels were active inside Seychelles EEZ during the month of July.

2.3. *Fishing Effort, Catches and Catch Rate in WIO*

- Following a 30% decrease in total catch from 23,307 MT in 2012 to 16,234 MT in 2013, the total catch has since then been on an upward trend to reach 31,496 Mt in 2020. Similar trend was observed in the fishing effort during the 2012 to 2020. The catch rate fluctuated with a downward trend during the 2012 to 2018 period where catch rate ranged between 0.68 Mt/1000 hooks and 0.38 Mt/1000 hooks (figure 2C). Following that period, the catch rate fluctuated around 0.50 Mt/1000 hooks.
- The total catch reported by all industrial longline fleet licensed to fish in the Seychelles EEZ during year 2022 was estimated at 19,990 MT, obtained from a fishing effort of approximately 54.2 million hooks thus giving a mean catch rate of 0.37 MT/1000 hooks (table 2.2A). The total catch reported for the year 2021 was 25,340 MT, obtained from a fishing effort of approximately 66.6 million hooks with a mean catch rate of 0.38 MT/1000 hooks. This represents a drop of 21% in catches corresponding to a decrease

of 19% in fishing effort.

- The total catch reported by all industrial longline fleet in the Western Indian Ocean during the first semester of 2022 is estimated at 8,710 MT representing a 24% decrease in catches over the same period in 2021. This was achieved from an estimated fishing effort of 23.3 million hooks thus giving a mean catch rate of 0.37 MT/1000 hooks (table 2.2A) representing a decrease of 18% in fishing effort over same period, the previous year. The total catch for the first semester of 2021 is estimated at 11,524 MT achieved from a fishing effort of approximately 28.5 million hooks with a mean catch rate of 0.40 MT/1000 hooks.
- During the second semester of 2022, a total catch of 11,281 MT was reported, achieved from a fishing effort of 30.9 million hooks representing a decrease of 18% in catches from the 13,815 MT reported during the same period the previous year. The fishing effort for the second semester of year 2021 was estimated at approximately 38.1 million hooks with a slight increase in mean catch rate from 0.36 MT/1000 hooks in 2021 to 0.37 MT/1000 hooks in 2022.
- Monthly analysis of catch rate shows that, the highest catch rate was recorded in the months May (0.47 MT/ 1000 hooks) during 2022, similar to 2021.

2.3.1. Fishing Effort, Catches and Catch Rate in WIO by Fleet

- The Seychelles fleet reported an estimated catch of 9,898 MT for the year 2022. This was achieved from a fishing effort of 27.7 million hooks with a mean catch rate of 0.36 MT/1000 hooks (table 2.2C). This represents decrease of 32% in catches corresponding to a decrease of 30% in fishing effort when compared to the previous year. During the year 2021, the Seychelles fleet reported a total catch of 14,526 MT achieved from a fishing effort of 39.9 million hooks and a mean catch rate of 0.36 MT/1000 hooks.
- The total catches for the Taiwanese fleet for the year 2022 is estimated at 8,223 MT, achieved from a fishing effort of 23.5 million hooks with a mean catch rate of 0.35 MT/1000 hooks. This represents a decrease of 13% in catches whilst the fishing effort remains more or less the same when compared to the year 2021. For the year 2021, the Taiwanese fleet reported a total catch of 9,448 MT achieved from a fishing of 23.5 million hooks and a mean catch rate of 0.40 MT/1000 hooks (table 2.2D).
- The remaining 1,868 MT of tuna and tuna like species reported in the industrial longline fishery were from Chinese, Spanish, Mauritian, and Omanese fleets. This was achieved from a fishing effort of approximately 2.9 million hooks and a mean catch rate of 0.65 MT/1000 hooks. In the year 2021, vessels from Chinese, Portuguese, Spanish and Omanese fleets reported an estimated catch of 1,366 MT achieved from a fishing effort of approximately 3.3 million hooks giving a mean catch rate of 0.41 MT/1000 hooks (table 2.2E).

2.4. Species Composition in WIO

- Historically bigeye dominated the catch of the industrial longline fishery. However, during the years 2018 and 2019 yellow tuna replace bigeye tuna as the dominant species caught the industrial longline fleet. From year 2020, bigeye tuna returns back to being the dominant species, followed by yellowfin tuna (table 2.2B).
- During the year 2022, bigeye tuna catches accounted for 39% of the total catch. Yellowfin tuna, swordfish and the 'others' category represented 33%, 7% and 12% of the total catch. In 2021, the total catch consisted of 41% of bigeye tuna followed by 27% of yellowfin tuna. The 'others' category accounted for 16% of the total catch. It must be noted that the 'others' category comprised of 23% and 37% of *Ruvettus pretiosus* (oilfish) and albacore during the year 2022 whilst the two species accounted for 50% and 30% of the total catches for the year 2021, respectively.
- In 2022, decrease in catches were observed across all the main species categories when compared to the previous year. Catches of yellowfin and bigeye tuna decreased by 1% and 26% respectively whilst catches of , swordfish, marlin and sharks decreased by 25%, 5% and 17% respectively.

2.5. Activity inside the Seychelles EEZ

- Time series of total catch and fishing effort of industrial longliners inside the Seychelles EEZ shows similar trend to that in the WIO. Following the piracy era in 2012, a sharp increase in catches was observed inside the Seychelles EEZ to reach a record catch of 15,036 MT in 2016. This was followed by a downwards trend until the year 2019. Catches for the years 2020 and 2021 then increased to an average of 14,644 MT per year (table 2.3, figure 2D and 2E and 2F).
- According to logbooks received and captured at SFA, the industrial longliners licensed to fish inside the Seychelles EEZ reported to have caught an estimated 11,904 MT of fish inside of the Seychelles EEZ during the year 2022. This represent a decrease of 18% corresponding to a decrease of 18% in fishing effort from the previous year. The fishing effort for the year 2022 is estimated to approximately 32.4 million hooks giving a mean catch rate of 0.37 MT/ 1000 hooks (table 2.3A). During the previous year, a total catch of 14,575.2 MT was obtained from a fishing effort of approximately 38.6 million hooks inside of the Seychelles EEZ, with a mean catch rate of 0.38 MT/1000 hooks.
- The industrial longliners catches reported inside the Seychelles EEZ during the first semester of 2022 is estimated at 3,123 MT (table 2.3) achieved by a fishing effort of approximately 9.4 million hooks, thus giving a mean catch rate of 0.33 MT/1000 hooks. This represents a decrease of 44% in catches with a corresponding decrease of 35% in fishing effort from the same period the previous year. During the latter period, the industrial longliners tuna catches reported inside the Seychelles EEZ was estimated at 5,536.8 MT achieved from a fishing effort of approximately 14.4 million hooks, and a mean catch rate of 0.38 MT/1000 hooks.

- During the second semester of 2022, a total of 8,781 MT of tuna was reported to have been caught by industrial longliners inside the Seychelles EEZ obtain from a fishing effort of approximately 23 million hooks, hence giving a mean catch rate of 0.38 MT/1000 hooks. This represents a decrease of 3% in total catch from a total catch of 9,038.4 MT reported during the second semester of 2021 parallel to with a decrease of 5% in fishing effort.
- Analysis of monthly trend in 2022 shows higher catches were recorded inside the Seychelles EEZ during the last quarter of the year with an average catch of 2,827 MT per month. Similarly, during the year 2021, higher catches were reported during the last quarter of the year with a mean catch of 2,839 MT per month.

2.6. *Statistics of Seychelles Flagged Vessels*

- An increasing trend has been observed in total catch by Seychelles registered industrial longliners from the year 2014 to reach a peak of 22,866 MT in 2019 (table 2.4 and figure 2G). This was followed by a decreasing trend to reach a total of 14,526 MT in 2021. Similar observations were made in, the fishing effort by the Seychelles fleet over the last 10 years which increase from 19.5 million hooks in 2012 to 40.6 million hooks in the year 2020 (table 2.4 and figure 2H). The CPUE has fluctuated with a downward trend from 0.77 MT/100 hooks between the years 2012 to 0.36 MT/100 hooks in the year 2021 (figure 2I).
- During the year 2022, the Seychelles fleet reported an estimated catch of 9,898 MT representing a decrease of 32% in catches consistent with a decrease of 30% in fishing effort. This was achieved from a fishing effort of 27.7 million hooks and a mean catch rate of 0.36 MT/1000 hooks (table 2.2C). During the previous year, the Seychelles fleet reported a total catch of 14,526 MT achieved from a fishing effort of 39.9 million hooks with a mean catch rate of 0.36 MT/1000 hooks.
- The Seychelles flagged industrial longliners reported to have caught 71% of their total catch on the high Seas and only 25% in the Seychelles EEZ during the year 2022. The remaining 4% were reported to have been caught in foreign EEZ. During the previous year, 59% and 32% of the Seychelles flagged industrial longliners catches were caught on the high Seas and inside Seychelles EEZ respectively.

2.7. *Industrial Longliners statistics by Access Regime*

- During the years 2022 and 2021, industrial longliners licensed to operate inside of the Seychelles EEZ were operating under the two main fishing agreements: the Taiwan Deep-sea Tuna Longline Boat Owners and Exporters Association (TTA) and Top Fortune Agreement (TFI). It must be noted that all Seychelles' flagged vessels were operating under the TFI agreement. Few vessels were also operating under private agreements and the SFPA(EU) agreement.

- For year 2022, vessels operating under the National agreement accounted for 21% of the total EEZ catch whilst vessels operating under the TTA agreement represent 63% of the total EEZ catch. Vessels fishing under the Top Fortune agreement excluding all Seychelles flagged vessels represented only 1% of the total EEZ catch. During 2021, vessels operating under the National agreement accounted for 32% of the total EEZ catch whilst vessels operating under the TTA agreement represented 59% of the total EEZ catch.

2.8. Fishing Ground

- Map 2A and 2B show the distribution of reported catch of industrial longliners by 1° square in the WIO for the years 2021 and 2022 respectively. Map 2C and 2D shows the distribution of reported catch of industrial longliners by 1° square in the WIO for the 1st Semester of 2021 and 2022 respectively whilst maps 2E and 2F shows the distribution of reported catch of industrial longliners by 1° square in the WIO for the 2nd Semester of 2021 and 2022 respectively.
- Maps 2B shows similar fishing pattern in 2022 when compared to the year 2021 (map 2A) with a decrease in catches below 30°south and along the east Africa coast.
- Map 2D shows a decrease in all species catches in the Indian Ocean Monsoon and Subtropical gyre area during the first semester of the year 2022 when compared to the same period in 2021 (Map 2C).
- Comparing maps of catches for semester 2 of year 2022 (Map 2F) with the same period for the previous year revealed an increase in yellowfin tuna in the Seychelles area and a decrease in catches below 30°south.

TABLE 2.1. Industrial Longliners Holding Licenses by Country of Registration by Year

(Database Closed on 30/06/2023)

Years: 2012 - 2022

Country	Year										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022**
SEYCHELLES	32	33	38	45	46	54	55	57	62	64	58
TAIWAN PROVINCE OF CHINA	111	113	84	85	103	108	98	84	88	105	105
CHINA	12	16	19	19	29	43	50	44	7	12	7
JAPAN*	2	4	4	2							
KOREA				1	4	7	4				
SPAIN									2	3	2
PORTUGAL									2	2	1
BELIZE											
FRANCE						1	1	1	1	1	
OMAN	2	2								1	3
MAURITIUS											12
INDONESIA				1	1						
PHILIPPINES	7	6	1	1	1						
TANZANIA	1	1	1	1	1						
THAILAND			1	2	2						
Annual	167	175	148	155	187	213	208	186	162	188	176

Number of Vessels change of flag	2	12
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* Note: Since 2012, Vessel under Japan flag were operating under Taiwanese Deep Sea Fisheries Agreement (TFA).

** 12 Vessels change flag from Seychelles to Mauritius

TABLE 2.1A Industrial Longliners Holding Licenses by Country of Registration by Month

(Database Closed on 30/06/2023)

Year: 2021

Month	Seychelles*	Taiwan POC	China	France	Oman	Mauritius	Portugal	Spain	Total
Jan	58	70	9	1	0	0	2	2	142
Feb	59	70	9	1	0	0	3	4	146
Mar	60	72	11	0	0	0	1	2	146
Apr	61	68	11	0	0	0	1	2	143
May	58	35	9	0	0	0	1	2	105
Jun	59	23	7	0	0	0	1	2	92
Jul	59	22	7	0	0	0	1	2	91
Aug	58	22	7	0	0	0	1	2	90
Sep	58	57	8	0	0	0	1	2	126
Oct	58	80	8	0	1	0	1	2	150
Nov	58	85	8	0	1	0	1	2	155
Dec	58	89	10	0	1	0	1	2	161
Annual Average	59	58	9	0	0	0	1	2	129
Quarter 1	59	71	10	1	0	0	2	3	145
Quarter 2	59	42	9	0	0	0	1	2	113
Quarter 3	58	34	7	0	0	0	1	2	102
Quarter 4	58	85	9	0	1	0	1	2	155
First Semester	59	56	9	0	0	0	2	2	129
Second Semester	58	59	8	0	1	0	1	2	129

*Number of Seychelles registered vessels

Year: 2022

Month	Seychelles*	Taiwan POC	China	France	Oman	Mauritius	Portugal	Spain	Total
Jan	58	89	7	0	1	0	1	2	158
Feb	58	86	5	0	1	0	1	3	154
Mar	56	84	3	0	1	0	0	1	145
Apr	54	55	2	0	1	5	0	1	118
May	44	43	2	0	1	5	0	1	96
Jun	44	42	2	0	1	5	0	1	95
Jul	44	40	2	0	1	5	0	1	93
Aug	42	39	2	0	1	6	0	1	91
Sep	41	55	2	0	1	6	0	1	106
Oct	41	78	2	0	3	12	0	1	137
Nov	41	92	2	0	2	12	0	1	150
Dec	40	88	0	0	2	12	0	1	143
Annual Average	47	66	3	0	1	6	0	1	124
Quarter 1	57	86	5	0	1	0	1	2	152
Quarter 2	47	47	2	0	1	5	0	1	103
Quarter 3	42	45	2	0	1	6	0	1	97
Quarter 4	41	86	1	0	2	12	0	1	143
First Semester	52	67	4	0	1	3	0	2	128
Second Semester	42	65	2	0	2	9	0	1	120

*Number of Seychelles Registered Vessels

TABLE 2.1B Industrial Longliners Active by Country of Registration by Year

(Database Closed on 30/06/2023)

Years: 2012 - 2022

Country	Year										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022**
SEYCHELLES	32	33	35	42	47	51	54	56	57	63	57
TAIWAN PROVINCE OF CHINA	96	90	71	83	105	106	92	76	82	97	103
CHINA	12	13	18	17	27	41	45	25	7	11	6
JAPAN*	2	3	2								
KOREA					2						
SPAIN									1	1	1
PORTUGAL									1	1	
BELIZE											
OMAN	2	1								1	3
MAURITIUS											12
INDONESIA				1	1						
PHILIPPINES	8	5	1	1							
FRANCE									1		
TANZANIA	1	1	1	1	1						
THAILAND			1	2							
Annual	153	146	129	147	183	198	191	157	149	174	170

Number of Vessels change of flag	2	12
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* Note: Since 2012, Vessel under Japan flag were operating under Taiwanese Deep Sea Fisheries Agreement (TFA).

** 12 Vessels change flag from Seychelles to Mauritius

TABLE 2.1C Industrial Longliners Active by Country of Registration by Month

(Database Closed on 30/06/2023)

Year: 2021

Month	Seychelles*	Taiwan POC	China	France	Oman	Mauritius	Portugal	Spain	Total
Jan	48	62	8	0	0	0	1	1	120
Feb	42	44	3	0	0	0	1	1	91
Mar	46	25	2	0	0	0	1	1	75
Apr	47	21	1	0	0	0	1	1	71
May	48	12	5	0	0	0	0	0	65
Jun	47	11	5	0	0	0	0	0	63
Jul	47	0	0	0	0	0	0	0	47
Aug	44	0	0	0	0	0	0	0	44
Sep	44	30	5	0	0	0	0	0	79
Oct	50	61	6	0	1	0	0	0	118
Nov	51	67	6	0	1	0	0	0	125
Dec	55	80	8	0	1	0	0	0	144
Annual Average	47	34	4	0	0	0	0	0	87
Quarter 1	45	44	4	0	0	0	1	1	95
Quarter 2	47	15	4	0	0	0	0	0	66
Quarter 3	45	10	2	0	0	0	0	0	57
Quarter 4	52	69	7	0	1	0	0	0	129
First Semester	46	29	4	0	0	0	1	1	81
Second Semester	49	40	4	0	1	0	0	0	93

Year: 2022

Month	Seychelles*	Taiwan POC	China	France	Oman	Mauritius	Portugal	Spain	Total
Jan	54	75	6	0	1	0	0	0	136
Feb	50	27	1	0	0	0	0	1	79
Mar	35	29	0	0	0	0	0	0	64
Apr	34	19	0	0	0	0	0	0	53
May	33	5	0	0	0	0	0	0	38
Jun	27	1	0	0	0	0	0	0	28
Jul	23	0	0	0	0	0	0	0	23
Aug	22	2	0	0	0	1	0	0	25
Sep	25	23	0	0	0	4	0	0	52
Oct	28	65	1	0	2	12	0	0	108
Nov	32	82	0	0	2	10	0	0	126
Dec	31	77	0	0	2	9	0	0	119
Annual Average	33	34	1	0	1	3	0	0	71
Quarter 1	46	44	2	0	0	0	0	0	93
Quarter 2	31	8	0	0	0	0	0	0	40
Quarter 3	23	8	0	0	0	2	0	0	33
Quarter 4	30	75	0	0	2	10	0	0	118
First Semester	39	26	1	0	0	0	0	0	66
Second Semester	27	42	0	0	1	6	0	0	76

TABLE 2.2. Logbook Returned (%) to SFA by Industrial Longliners Holding Licenses

(Database Closed on 30/06/2023)

Years: 2012 - 2022

Country	Year										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
SEYCHELLES	96	100	95	95	97	95	95	98	100	100	100
TAIWAN PROVINCE OF CHINA	80	77	81	95	92	98	95	99	100	100	100
CHINA	93	86	91	98	100	99	97	96	100	100	100
JAPAN	71	91	89	20							
REPUBLIC OF KOREA				0	34	0	0				
SPAIN									100	100	100
PORTUGAL									100	100	
BELIZE											
FRANCE						0	0	0	100	100	
OMAN	100	90								100	100
MAURITIUS											100
INDONESIA				0	0						
PHILIPPINES	84	68	100	50	0						
TANZANIA	100	92	91	100	100						
THAILAND			100	100	100						
Grand Total	85	84	88	95	93	94	94	98	100	100	100

TABLE 2.2A Time Series Catch, Effort and Catch Rate Statistics for Industrial Longliners in the WIO

(Database Closed on 30/06/2023)

Country: ALL

Semester 1, Year: 2012 - 2022

Month	Effort		Catch Rate		Catches										Total Catch (Mt)
	(Hooks)	(MT/1000 Hooks)	Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
2012	10,080,389	0.85	805.6	9	6,264.6	73	522.1	6	514.2	6	165.9	2	283.0	3	8,555.5
2013	18,985,332	0.45	877.4	10	4,565.9	53	854.8	10	631.9	7	297.6	3	1,386.8	16	8,614.5
2014	16,939,623	0.44	1,589.6	21	3,511.2	47	742.2	10	548.3	7	360.6	5	733.8	10	7,485.7
2015	16,567,630	0.48	1,656.1	21	3,702.0	46	991.9	12	826.7	10	352.6	4	493.3	6	8,022.6
2016	27,703,915	0.43	2,912.8	24	4,246.0	35	1,165.4	10	1,599.8	13	564.7	5	1,545.5	13	12,034.3
2017	25,287,702	0.39	2,474.9	25	2,866.4	29	1,104.1	11	823.1	8	495.0	5	2,177.0	22	9,940.6
2018	26,422,469	0.40	3,764.8	35	2,243.5	21	1,359.5	13	862.5	8	661.2	6	1,714.9	16	10,606.4
2019	26,655,508	0.53	5,820.1	41	2,973.8	21	1,547.4	11	609.7	4	1,059.3	7	2,242.2	16	14,252.7
2020	26,405,652	0.60	5,778.3	36	5,499.6	35	1,310.5	8	616.6	4	714.7	4	2,018.1	13	15,937.8
2021	28,538,052	0.40	3,323.1	29	3,750.4	33	884.5	8	310.5	3	879.6	8	2,376.3	21	11,524.4
2022	23,312,005	0.37	2,918.2	34	3,082.4	35	660.1	8	356.1	4	556.4	6	1,136.1	13	8,709.2

Country: ALL

Semester 2, Year: 2012 - 2022

Month	Effort		Catch Rate		Catches										Total Catch (Mt)
	(Hooks)	(MT/1000 Hooks)	Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
2012	23,963,719	0.62	1,588.3	11	9,622.9	65	1,104.8	7	1,335.2	9	652.0	4	448.7	3	14,751.9
2013	15,309,146	0.50	957.5	13	4,573.9	60	450.5	6	348.9	5	374.2	5	914.3	12	7,619.2
2014	19,592,754	0.54	1,743.6	17	5,601.3	53	710.9	7	643.4	6	782.1	7	1,034.1	10	10,515.4
2015	22,441,818	0.55	2,719.1	22	5,918.8	48	1,209.0	10	1,166.5	9	531.7	4	828.2	7	12,373.2
2016	35,105,409	0.44	3,378.7	22	6,199.9	41	1,645.6	11	1,197.5	8	766.8	5	2,085.7	14	15,274.3
2017	36,259,726	0.38	3,166.6	23	4,959.0	36	1,202.9	9	730.3	5	901.6	7	2,693.3	20	13,653.6
2018	33,843,424	0.42	4,533.0	32	3,785.1	27	1,621.6	11	721.5	5	1,153.8	8	2,305.3	16	14,120.3
2019	26,683,515	0.59	6,080.4	38	4,607.5	29	1,019.9	6	496.1	3	922.5	6	2,714.4	17	15,840.7
2020	30,969,870	0.50	4,639.9	30	6,031.0	39	1,158.7	7	313.5	2	969.2	6	2,446.2	16	15,558.5
2021	38,073,378	0.36	3,472.6	25	6,737.5	49	901.7	7	396.3	3	601.5	4	1,705.8	12	13,815.3
2022	30,857,908	0.37	3,777.4	33	4,660.3	41	679.1	6	312.5	3	675.6	6	1,175.6	10	11,280.6

Country: ALL

Year: 2012 - 2022

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2012	34,044,108	0.68	2,394.0	10	15,887.6	68	1626.9	7	1849.4	8	817.9	4	731.7	3	23,307.4
2013	34,294,478	0.47	1,834.9	11	9,139.8	56	1305.3	8	980.8	6	671.8	4	2,301.1	14	16,233.7
2014	36,532,377	0.49	3,333.3	19	9,112.5	51	1453.1	8	1191.7	7	1,142.7	6	1,767.9	10	18,001.1
2015	39,009,448	0.52	4,375.2	21	9,620.8	47	2200.8	11	1993.2	10	884.3	4	1,321.4	6	20,395.8
2016	62,809,324	0.43	6,291.5	23	10,445.8	38	2811.1	10	2797.4	10	1,331.6	5	3,631.2	13	27,308.5
2017	61,547,429	0.38	5,641.5	24	7,825.4	33	2307.0	10	1553.4	7	1,396.6	6	4,870.3	21	23,594.2
2018	60,265,893	0.41	8,297.8	34	6,028.6	24	2981.1	12	1584.0	6	1,814.9	7	4,020.2	16	24,726.7
2019	53,339,023	0.56	11,900.6	40	7,581.3	25	2567.3	9	1105.8	4	1,981.8	7	4,956.6	16	30,093.4
2020	57,375,523	0.55	10,418.2	33	11,530.6	37	2469.2	8	930.1	3	1,684.0	5	4,464.3	14	31,496.3
2021	66,611,430	0.38	6,795.7	27	10,487.9	41	1786.2	7	706.8	3	1,481.0	6	4,082.0	16	25,339.7
2022	54,169,914	0.37	6,695.6	33	7,742.7	39	1339.3	7	668.6	3	1,232.0	6	2,311.7	12	19,989.8

TABLE 2.2B Monthly Catch, Effort and Catch Rate Statistics for Industrial Longliners in the WIO

(Database Closed on 30/06/2023)

Country: ALL

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
Jan	142	120	7,790,750	0.41	1,188.5	37	1,363.9	43	180.4	6	73.4	2	239.7	7	155.7	4	3,201.7
Feb	146	91	3,435,396	0.29	291.9	29	411.9	41	70.7	7	30.0	3	101.0	10	88.5	5	994.1
Mar	146	75	4,830,084	0.37	592.5	34	513.6	29	114.4	6	54.5	3	198.1	11	293.6	15	1,766.6
Apr	143	71	4,130,346	0.44	385.5	21	572.0	32	149.5	8	51.2	3	144.0	8	495.9	23	1,798.1
May	105	65	4,770,720	0.47	660.6	30	511.8	23	244.3	11	59.8	3	110.9	5	641.6	19	2,228.9
Jun	92	63	3,580,755	0.43	204.2	13	377.2	25	125.3	8	41.6	3	85.8	6	701.0	28	1,535.0
Jul	91	47	3,726,277	0.42	169.4	11	560.2	36	103.7	7	36.1	2	37.9	2	661.3	22	1,568.7
Aug	90	44	3,066,816	0.30	82.8	9	320.6	35	96.2	11	23.0	3	27.7	3	358.6	18	908.8
Sep	126	79	3,826,637	0.28	186.7	17	547.8	51	96.1	9	35.9	3	64.5	6	139.1	12	1,070.1
Oct	150	118	8,181,713	0.34	538.1	19	1,593.8	58	201.4	7	84.5	3	156.0	6	186.0	6	2,759.8
Nov	155	125	9,300,251	0.40	879.8	24	2,161.7	59	212.3	6	105.5	3	151.7	4	179.6	5	3,690.6
Dec	161	144	9,971,684	0.38	1,615.8	42	1,553.5	41	192.0	5	111.2	3	163.6	4	181.1	4	3,817.3
Annual	129	87	66,611,430	0.38	6,795.7	27	10,487.9	41	1,786	7	706.8	3	1,481.0	6	4,082.0	16	25,339.7
Quarter 1	145	95	16,056,230	0.37	2,072.9	35	2,289.5	38	365.4	6	157.9	3	538.8	9	537.9	9	5,962.4
Quarter 2	113	66	12,481,822	0.45	1,250.2	22	1,460.9	26	519.1	9	152.6	3	340.7	6	1,838.4	33	5,562.0
Quarter 3	102	57	10,619,730	0.33	438.9	12	1,428.6	40	296.0	8	95.0	3	130.1	4	1,159.0	33	3,547.6
Quarter 4	155	129	27,453,648	0.37	3,033.7	30	5,309.0	52	605.7	6	301.3	3	471.4	5	546.7	5	10,267.7
First Semester	129	81	28,538,052	0.40	3,323.1	29	3,750.4	33	884.5	8	310.5	3	879.6	8	2,376.3	21	11,524.4
Second Semester	129	93	38,073,378	0.36	3,472.6	25	6,737.5	49	901.7	7	396.3	3	601.5	4	1,705.8	12	13,815.3

Country: ALL

Year: 2022

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
Jan	158	136	7,669,821	0.37	1,364.7	48	833.7	29	196.7	7	110.1	4	168.5	6	186.7	7	2,860.3
Feb	154	79	3,927,080	0.31	418.9	34	431.5	35	103.7	8	51.2	4	123.0	10	108.1	9	1,236.3
Mar	145	64	3,532,776	0.29	290.5	28	358.4	35	101.1	10	63.4	6	109.6	11	112.4	11	1,035.4
Apr	118	53	3,440,715	0.41	371.5	26	584.4	41	90.5	6	52.2	4	76.5	5	239.9	17	1,415.0
May	96	38	2,912,019	0.47	320.5	23	608.4	44	110.3	8	45.9	3	37.2	3	258.2	19	1,380.7
Jun	95	28	1,829,593	0.43	152.1	19	266.0	34	57.9	7	33.3	4	41.4	5	230.8	30	781.5
Jul	93	23	1,523,844	0.32	58.6	12	182.8	37	41.6	8	18.9	4	19.9	4	168.9	34	490.7
Aug	91	25	1,691,310	0.28	45.8	10	181.8	39	50.7	11	15.8	3	22.3	5	153.0	33	469.4
Sep	106	52	2,426,530	0.30	147.6	21	272.2	38	49.9	7	24.3	3	51.5	7	171.6	24	717.1
Oct	137	108	6,901,137	0.38	1,018.4	39	911.4	34	157.3	6	65.7	2	187.7	7	302.5	11	2,642.9
Nov	150	126	9,022,086	0.34	1,074.9	35	1,316.2	43	186.5	6	94.1	3	196.5	6	210.8	7	3,079.0
Dec	143	119	9,293,000	0.42	1,432.1	37	1,796.0	46	193.2	5	93.6	2	197.8	5	168.8	4	3,881.5
Annual	124	71	54,169,914	0.37	6,695.6	33	7,742.7	39	1,339.3	7	668.6	3	1,232.0	6	2,311.7	12	19,989.8
Quarter 1	152	93	15,129,677.37	0	2,074.0	40.4	1,623.6	31.6	401	8	225	4	401	7.8	407	7.9	5,132.0
Quarter 2	103	40	8,182,327.734	0	844.1	23.6	1,458.9	40.8	259	7	131	4	155	4.3	729	20.4	3,577.2
Quarter 3	97	33	5,641,684.931	0	252.0	15.0	636.7	38.0	142	8	59	4	94	5.6	494	29.4	1,677.2
Quarter 4	143	118	25,216,223.48	0	3,525.4	36.7	4,023.6	41.9	537	6	254	3	582	6.1	682	7.1	9,603.4
First Semester	128	66	23,312,005	0.37	2,918.2	34	3,082.4	35	660.1	8	356.1	4	556.4	6	1,136.1	13	8,709.2
Second Semester	120	76	30,857,908	0.37	3,777.4	33	4,660.3	41	679.1	6	312.5	3	675.6	6	1,175.6	10	11,280.6

TABLE 2.2C Monthly Catch, Effort and Catch Rate Statistics for Industrial Longliners in the WIO

(Database Closed on 30/06/2023)

Country: SEYCHELLES

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches														Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others				
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	58	48	3,038,229	0.42	465.5	37	549.6	43	82.8	6	32.2	3	68.0	5	76.6	4	1,274.7		
Feb	59	42	2,101,485	0.30	192.3	30	262.5	41	45.1	7	19.1	3	49.3	8	64.8	4	633.2		
Mar	60	46	3,355,038	0.38	453.2	36	358.3	28	63.1	5	34.1	3	93.9	7	273.3	19	1,275.9		
Apr	61	47	3,320,642	0.44	323.2	22	449.6	31	99.7	7	37.5	3	67.1	5	478.7	27	1,455.7		
May	58	48	3,854,407	0.46	474.3	27	389.6	22	195.9	11	40.3	2	75.2	4	613.0	22	1,788.4		
Jun	59	47	3,066,249	0.43	120.4	9	321.0	24	104.7	8	35.6	3	55.1	4	679.2	32	1,316.0		
Jul	59	47	3,726,277	0.42	169.4	11	560.2	36	103.7	7	36.1	2	37.9	2	661.3	22	1,568.7		
Aug	58	44	3,066,816	0.30	82.8	9	320.6	35	96.2	11	23.0	3	27.7	3	358.6	18	908.8		
Sep	58	44	2,753,762	0.25	97.5	14	382.7	56	59.3	9	23.6	3	17.5	3	107.0	14	687.7		
Oct	58	50	3,607,265	0.29	171.4	16	634.2	61	72.5	7	35.5	3	31.7	3	96.2	9	1,041.4		
Nov	58	51	3,952,515	0.36	184.2	13	975.0	69	88.8	6	41.9	3	29.2	2	88.5	6	1,407.6		
Dec	58	55	4,015,964	0.29	330.0	28	622.5	53	88.2	8	49.0	4	25.9	2	52.3	4	1,167.9		
Annual	59	47	39,858,649	0.36	3,064.2	21	5,825.8	40	1,100.1	8	407.9	3	578.5	4	3,549.7	24	14,526.1		
Quarter 1	59	45	8,494,752	0.37	1,111.0	35	1,170.4	37	191.0	6	85.4	3	211.3	7	414.7	13	3,183.8		
Quarter 2	59	47	10,241,297	0.45	197.9	20	1,160.2	25	400.3	9	113.4	2	1,771.0	4	1,771.0	39	4,560.1		
Quarter 3	58	45	9,546,856	0.33	349.7	11	1,263.5	40	259.2	8	82.8	3	83.1	3	1,126.9	36	3,165.3		
Quarter 4	58	52	11,575,744	0.31	685.6	19	2,231.6	62	249.5	7	126.4	3	86.7	2	237.0	7	3,616.9		
First Semester	59	46	18,736,049	0.41	2,028.9	26	2,330.7	30	591.3	8	198.8	3	408.6	5	2,185.7	28	7,744.0		
Second Semester	58	49	21,122,599	0.32	1,035.3	15	3,495.1	52	508.7	8	209.1	3	169.9	3	1,364.0	20	6,782.2		

Country: SEYCHELLES

Year: 2022

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches														Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others				
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	58	54	3,607,394	0.40	741.8	52	423.1	30	120.0	8	46.2	3	31.4	2	71.0	5	1,433.5		
Feb	58	50	2,815,045	0.31	305.1	35	341.7	40	69.2	8	32.7	4	40.6	5	71.9	8	861.4		
Mar	56	35	2,388,349	0.29	180.4	26	253.8	37	75.2	11	35.9	5	51.8	8	84.9	12	681.9		
Apr	54	34	2,669,481	0.42	301.5	27	449.8	40	70.1	6	36.5	3	43.9	4	226.3	20	1,128.1		
May	44	33	2,765,725	0.48	305.0	23	589.5	44	105.1	8	43.3	3	33.6	3	254.8	19	1,331.2		
Jun	44	27	1,811,113	0.42	152.1	20	265.9	35	57.7	8	26.2	3	36.5	5	229.0	30	767.4		
Jul	44	23	1,523,844	0.32	58.6	12	182.8	37	41.6	8	18.9	4	19.9	4	168.9	34	490.7		
Aug	42	22	1,666,520	0.28	45.5	10	178.0	38	50.2	11	15.6	3	21.9	5	152.3	33	463.5		
Sep	41	25	1,827,816	0.28	78.8	15	209.5	41	33.4	6	17.5	3	30.1	6	147.2	29	516.6		
Oct	41	28	2,058,903	0.34	197.1	28	289.2	41	46.8	7	21.0	3	44.3	6	111.8	16	710.3		
Nov	41	32	2,318,934	0.31	238.9	34	322.0	45	58.7	8	20.4	3	30.8	4	37.0	5	707.7		
Dec	40	31	2,293,686	0.35	289.0	36	376.8	47	52.4	6	23.4	3	31.0	4	33.5	4	806.1		
Annual	47	33	27,746,813	0.36	2,893.9	29	3,882.2	39	780.4	8	337.5	3	415.8	4	1,588.6	16	9,898.3		
Quarter 1	57	46	8,810,788	0.34	1,227.3	41	1,018.7	34	264.4	9	114.8	4	123.7	4	227.8	8	2,976.8		
Quarter 2	47	31	7,246,320	0.45	758.6	24	1,305.2	40	232.8	7	106.0	3	114.0	4	710.0	22	3,226.8		
Quarter 3	42	23	5,018,181	0.29	182.9	12	570.3	39	125.3	9	51.9	4	71.9	5	468.4	32	1,470.8		
Quarter 4	41	30	6,671,523	0.33	725.0	33	988.1	44	157.9	7	64.8	3	106.1	5	182.2	8	2,224.1		
First Semester	52	39	16,057,108	0.39	1,985.9	32	2,323.8	37	283.1	5	116.7	2	237.8	4	650.7	10	6,203.5		
Second Semester	42	27	11,689,704	0.32	907.9	25	1,558.4	42	418.9	11	193.5	5	178.0	5	1,035.8	28	3,694.8		

TABLE 2.2D Monthly Catch, Effort and Catch Rate Statistics for Industrial Longliners in the WIO

(Database Closed on 30/06/2023)

Country: TAIWAN PROVINCE OF CHINA

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	70	62	4,174,765	0.41	658.6	38	714.6	41	83.7	5	38.4	2	165.3	10	70.2	4	1,730.8
Feb	70	44	1,253,911	0.27	98.2	29	143.3	42	21.7	6	10.9	3	46.3	13	23.5	7	343.9
Mar	72	25	1,317,725	0.30	131.8	33	148.1	37	29.6	7	19.8	5	48.7	12	19.3	5	397.2
Apr	68	21	681,387	0.36	60.3	24	117.3	47	19.9	8	13.7	6	20.5	8	16.8	7	248.4
May	35	12	731,014	0.52	150.3	40	113.7	30	40.8	11	18.5	5	30.7	8	23.3	6	377.4
Jun	23	11	209,206	0.51	25.8	24	35.7	33	11.2	10	4.2	4	24.3	23	6.6	6	107.7
Jul	22	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	22	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sep	57	30	961,229	0.36	74.5	22	152.1	44	33.4	10	11.3	3	44.2	13	27.6	8	343.1
Oct	80	61	4,017,506	0.37	309.7	21	834.6	56	114.9	8	44.2	3	109.8	7	81.5	5	1,494.7
Nov	85	67	4,821,936	0.43	607.3	30	1,076.2	52	113.3	6	59.0	3	116.2	6	84.2	4	2,056.2
Dec	89	80	5,287,132	0.44	1,079.8	46	881.9	38	96.1	4	58.0	2	132.1	6	100.2	4	2,348.1
Annual	58	34	23,455,813	0.40	3,196.3	34	4,217.4	45	564.6	6	278.0	3	738.1	8	453.2	5	9,447.5
Quarter 1	71	44	6,746,402	0.37	888.6	36	1,005.9	41	135.0	5	69.1	3	260.3	11	113.0	5	2,471.8
Quarter 2	42	15	1,621,607	0.45	236.4	32	266.7	36	71.8	10	36.4	5	75.5	10	46.7	6	733.5
Quarter 3	34	10	961,229	0.36	74.5	22	152.1	44	33.4	10	11.3	3	44.2	13	27.6	8	343.1
Quarter 4	85	69	14,126,574	0.42	1,996.8	34	2,792.7	47	324.3	5	161.2	3	358.1	6	265.9	5	5,899.0
First Semester	56	29	8,368,009	0.38	1,125.0	35	1,272.6	40	206.8	6	105.5	3	335.8	10	159.6	5	3,205.4
Second Semester	59	40	15,087,804	0.41	2,071.3	33	2,944.8	47	357.7	6	172.5	3	402.3	6	293.5	5	6,242.1

Country: TAIWAN PROVINCE OF CHINA

Year: 2022

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort	Catch Rate	Catches												Total Catch
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	89	75	3,666,275	0.36	550.1	42	382.3	29	72.9	6	60.0	5	131.1	10	106.2	8	1,302.5
Feb	86	27	1,073,170	0.33	112.7	31	88.0	25	27.1	8	17.9	5	77.3	22	35.7	10	358.7
Mar	84	29	1,144,427	0.31	110.1	31	104.6	30	25.9	7	27.6	8	57.8	16	27.5	8	353.5
Apr	55	19	771,234	0.37	70.0	24	134.7	47	20.4	7	15.7	5	32.6	11	13.6	5	286.9
May	43	5	146,294	0.34	15.6	31	18.9	38	5.2	10	2.6	5	3.7	7	3.5	7	49.5
Jun	42	1	18,480	0.76	0.0	0	0.1	1	0.2	2	7.1	50	4.9	35	1.7	12	14.1
Jul	40	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	39	2	5,590	0.16	0.0	2	0.3	31	0.1	11	0.1	8	0.3	39	0.1	9	0.9
Sep	55	23	401,714	0.27	34.3	31	38.6	35	7.5	7	3.2	3	17.2	16	9.6	9	110.4
Oct	78	65	4,130,671	0.37	587.2	38	520.5	34	93.8	6	37.1	2	136.7	9	164.7	11	1,540.1
Nov	92	82	5,983,599	0.32	558.4	29	885.7	46	112.4	6	66.8	3	160.8	8	157.7	8	1,941.9
Dec	88	77	6,198,777	0.37	535.5	24	1,253.5	55	127.7	6	65.0	3	164.1	7	118.9	5	2,264.7
Annual	66	34	23,540,231	0.35	2,573.87	31	3,427.1	42	493.3	6	303.1	4	786.5	10	639.2	8	8,223.2
Quarter 1	86	44	5,883,872	0.34	772.9	38	574.8	29	126.0	6	105.4	5	266.2	13	169.4	8	2,014.7
Quarter 2	47	8	936,008	0.37	85.5	24	153.7	44	25.8	7	25.4	7	41.2	12	18.8	5	350.5
Quarter 3	45	8	407,304	0.27	34.3	31	38.8	35	7.6	7	3.3	3	17.5	16	9.7	9	111.2
Quarter 4	86	75	16,313,047	0.35	1,681.1	29	2,659.8	46	334.0	6	169.0	3	461.6	8	441.3	8	5,746.7
First Semester	67	26	6,819,880	0.35	858.5	36	728.5	31	151.8	6	130.9	6	479.1	20	188.2	8	2,365.2
Second Semester	65	42	16,720,351	0.35	1,715.4	29	2,698.6	46	341.5	6	172.3	3	176.3	3	82.0	1	5,857.9

TABLE 2.2E Monthly Catch, Effort and Catch Rate Statistics for Industrial Longliners in the WIO

(Database Closed on 30/06/2023)

Country: OTHERS

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	14	10	577,756	0.34	64.4	33	99.8	51	13.9	7	2.8	1	6.3	3	9.0	5	196.2
Feb	17	5	80,000	0.21	1.4	8	6.1	36	3.9	23	0.0	0	5.4	32	0.2	1	17.0
Mar	14	4	157,321	0.59	7.5	8	7.2	8	21.7	23	0.6	1	55.6	59	1.0	1	93.5
Apr	14	3	128,317	0.73	2.0	3	5.1	5	30.0	32	0.1	0	56.5	60	0.4	0	94.0
May	12	5	185,300	0.34	35.9	57	8.5	13	7.6	12	1.0	2	5.0	8	5.2	8	63.2
Jun	10	5	305,300	0.36	58.1	52	20.4	18	9.4	8	1.8	2	6.4	6	15.2	14	111.2
Jul	10	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	10	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sep	11	5	111,645	0.35	14.7	5	13.1	33	3.4	9	1.0	2	2.7	7	4.5	11	39.2
Oct	12	7	556,942	0.40	57.1	26	125.0	56	13.9	6	4.8	2	14.6	7	8.3	4	223.7
Nov	12	7	525,800	0.43	88.2	39	110.5	49	10.2	5	4.6	2	6.4	3	6.9	3	226.8
Dec	14	9	668,588	0.45	205.9	68	49.1	16	7.7	3	4.3	1	5.6	2	28.6	9	301.3
Annual	13	5	3,296,969	0.41	535.2	39	444.8	33	121.6	9	20.9	2	164.4	12	79.2	6	1,366.1
Quarter 1	15	6	815,077	0.38	73.3	24	113.1	37	39.5	13	3.4	1	67.3	22	10.1	3	306.7
Quarter 2	12	4	618,917	0.43	96.0	36	34.0	13	46.9	17	2.8	1	67.8	25	20.8	8	268.4
Quarter 3	10	2	111,645	0.35	14.7	37	13.1	33	3.4	9	1.0	2	2.7	7	4.5	11	39.2
Quarter 4	13	8	1,751,330	0.43	351.3	47	284.6	38	31.8	4	13.7	2	26.6	4	43.8	6	751.8
First Semester	14	5	1,433,994	0.40	169.2	29	147.1	26	86.4	15	6.2	1	135.1	24	31.0	5	575.0
Second Semester	12	5	1,862,975	0.42	365.9	46	297.7	38	35.2	4	14.7	2	29.3	4	48.3	6	791.0

Country: OTHERS

Year: 2022

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	11	7	396,152	0.31	72.8	59	28.3	23	3.7	3	4	3	6.0	5	9.5	8	124.3
Feb	10	2	38,865	0.42	1.0	6	1.8	11	7.3	45	0.5	3	5.2	32	0.5	3	16.2
Mar	5	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Apr	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
May	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jun	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Jul	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	10	1	19,200	0.26	0.3	7	3.5	69	0.4	8	0.1	3	0.1	1	0.6	13	5.0
Sep	10	4	197,000	0.46	34.5	38	24.1	27	9.0	10	3.7	4	4.2	5	14.7	16	90.1
Oct	18	15	711,563	0.55	234.1	60	101.6	26	16.6	4	7.6	2	6.7	2	25.9	7	392.6
Nov	17	12	719,553	0.60	277.5	65	108.4	25	15.5	4	6.9	2	4.9	1	16.2	4	429.4
Dec	15	11	800,537	1.01	607.6	75	165.7	20	13.1	2	5.2	1	2.7	0	16.4	2	810.2
Annual	11	4	2,882,870	0.65	1,227.9	66	433.4	23	65.5	4	27.9	1	29.7	2	83.9	4	1,867.8
Quarter 1	9	3	435,017	0.32	73.8	53	30.1	21	11.0	8	4.4	3	11.2	8	10.0	7	140.5
Quarter 2	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Quarter 3	10	2	216,200	0.44	34.8	37	27.6	29	9.3	10	3.8	4	4.3	5	15.4	16	95.2
Quarter 4	17	13	2,231,653	0.73	1,119.3	69	375.7	23	45.2	3	19.7	1	14.2	1	58.5	4	1,632.2
First Semester	9	2	435,017	0.32	73.8	53	30.1	21	11.0	8	4.4	3	11.2	8	10.0	7	140.5
Second Semester	13	7	2,447,853	0.71	1,154.1	67	403.3	23	54.5	3	23.5	1	18.5	1	73.9	4	1,727.4

TABLE 2.2F Time Series of Discarded catches (Number) for Industrial Longliners in the WIO

Country: Seychelles

Area: WIO

Year	Tuna			Sharks							Others		Interactions with	
	Fate	Yellowfin tuna	Bigeye tuna	Blue shark	Mako sharks	Thresher sharks	Crocodile shark	Silky shark	Hammerhead shark	Porbeagle	Rays, mantas nei	Oilfish	Sea birds	Marine turtles
2021	ALIVE		1	981	69	28	1	16		1	2		55	57
	DEAD			735	34	15		27		3			79	11
	UNKNOWN													
2021 Total			1	1716	103	43	1	43		4	2		134	68
2022	ALIVE			1259	73	12		36	2		5		83	95
	DEAD			1177	69	7		46	2				26	8
	UNKNOWN													
2022 Total				2436	142	19		82	2		5		109	103

TABLE 2.3 Time Series Catch, Effort and Catch Rate Statistics for Industrial Longliners in the Seychelles EEZ

(Database Closed on 30/06/2023)

Country: ALL

Semester 1, Year: 2012 - 2022

Area: SYC EEZ

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
2012	2,236,385	0.83	255.9	14	1,309.0	71	98.1	5	105.4	6	67.8	4	20.0	1	1,856.3
2013	7,397,036	0.42	432.6	14	1,839.4	59	290.4	9	306.1	10	145.9	5	83.4	3	3,097.8
2014	7,150,969	0.38	737.1	27	1,295.8	48	218.3	8	188.7	7	193.4	7	69.8	3	2,703.1
2015	7,358,909	0.39	775.3	27	1,249.9	43	311.0	11	278.4	10	193.9	7	92.2	3	2,900.6
2016	13,673,906	0.42	1,740.6	30	2,185.8	38	570.4	10	768.7	13	317.8	5	225.8	4	5,809.1
2017	10,650,142	0.34	1,099.1	30	1,309.4	36	455.2	13	343.4	10	262.2	7	137.7	4	3,606.9
2018	9,603,367	0.32	1,343.7	43	754.8	24	388.6	12	239.7	8	234.7	8	148.2	5	3,109.7
2019	8,377,428	0.40	1,416.0	42	853.1	25	292.9	9	183.4	5	418.3	12	200.2	6	3,363.8
2020	8,676,185	0.60	2,046.0	39	1,905.4	37	411.5	8	214.2	4	369.9	7	265.4	5	5,212.5
2021	14,432,763	0.38	1,994.1	36	2,150.2	39	441.6	8	152.5	3	535.6	10	262.8	5	5,536.8
2022	9,376,199	0.33	1,341.1	43	877.5	28	199.3	6	153.3	5	309.0	10	242.6	8	3,122.8

Country: ALL

Semester 2, Year: 2012 - 2022

Area: SYC EEZ

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
2012	13,588,854	0.55	1,039.9	14	4,692.7	63	508.8	7	680.8	9	364.9	5	152.2	2	7,439.4
2013	7,207,523	0.55	540.1	14	2,802.5	70	174.4	4	197.5	5	184.5	5	79.8	2	3,978.7
2014	12,808,336	0.56	1,532.4	21	4,142.8	57	429.3	6	435.6	6	474.3	7	209.8	3	7,224.3
2015	14,362,378	0.54	2,176.7	28	3,956.8	51	505.0	6	659.1	8	317.7	4	180.0	2	7,795.3
2016	22,149,887	0.44	2,856.3	29	4,546.7	46	770.6	8	777.4	8	600.8	6	264.8	3	9,816.7
2017	21,786,365	0.36	2,129.9	27	3,635.9	46	621.8	8	433.6	6	606.6	8	412.2	5	7,839.9
2018	17,981,382	0.39	2,517.6	36	2,288.9	33	650.7	9	390.8	6	665.8	10	467.6	7	6,981.4
2019	9,732,500	0.68	3,277.4	50	2,012.7	31	322.3	5	222.2	3	365.5	6	375.5	6	6,575.6
2020	17,221,491	0.55	3,620.0	38	4,071.3	43	682.7	7	193.2	2	553.6	6	379.9	4	9,500.7
2021	24,149,178	0.37	2,832.8	31	4,537.8	50	539.2	6	260.9	3	459.5	5	408.0	5	9,038.4
2022	22,976,492	0.38	3,389.6	39	3,486.2	40	485.6	6	234.9	3	583.1	7	601.5	7	8,780.4

Country: ALL

Year: 2012 - 2022

Area: SYC EEZ

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2012	15,825,239	0.59	1,295.8	14	6,001.7	65	606.9	7	786.2	8	432.8	5	172.2	2	9,295.6
2013	14,604,559	0.48	972.7	14	4,641.9	66	464.7	7	503.6	7	330.4	5	163.2	2	7,076.5
2014	19,959,305	0.50	2,269.6	23	5,438.6	55	647.6	7	624.3	6	667.8	7	279.6	3	9,927.4
2015	21,721,287	0.49	2,952.0	28	5,206.7	49	816.0	8	937.5	9	511.5	5	272.1	3	10,695.8
2016	35,823,793	0.44	4,597.0	29	6,732.4	43	1341.0	9	1546.1	10	918.7	6	490.6	3	15,625.8
2017	32,436,507	0.35	3,229.0	28	4,945.2	43	1077.0	9	777.0	7	868.8	8	549.9	5	11,446.9
2018	27,584,749	0.37	3,861.3	38	3,043.7	30	1039.2	10	630.5	6	900.5	9	615.8	6	10,091.1
2019	18,109,928	0.55	4,693.5	47	2,865.8	29	615.1	6	405.5	4	783.7	8	575.6	6	9,939.3
2020	25,897,676	0.57	5,666.0	39	5,976.7	41	1094.3	7	407.4	3	923.5	6	645.3	4	14,713.1
2021	38,581,941	0.38	4,826.9	33	6,688.0	46	980.8	7	413.5	3	995.1	7	670.8	5	14,575.2
2022	32,352,691	0.37	4,730.7	40	4,363.7	37	684.8	6	388.2	3	892.1	7	844.2	7	11,903.2

TABLE 2.3A Monthly Catch, Effort and Catch Rate Statistics for Industrial Longliners in the Seychelles EEZ

(Database Closed on 30/06/2023)

Country: ALL			Year: 2021				Area: SYC EEZ										
Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	142	120	6,803,628	0.42	1,077.3	38	1,242.0	44	157.5	6	63.4	2	197.1	7	111.1	4	2,848.3
Feb	146	91	1,995,506	0.26	151.4	29	213.6	41	41.9	8	14.9	3	65.3	13	30.6	6	517.7
Mar	146	75	2,178,338	0.36	285.7	36	270.8	34	67.3	9	24.6	3	110.4	14	28.0	4	786.7
Apr	143	71	1,470,079	0.39	142.2	25	226.2	40	67.3	12	21.9	4	84.6	15	24.6	4	566.8
May	105	65	1,343,845	0.44	253.5	43	139.3	24	84.3	14	21.7	4	49.3	8	42.1	7	590.2
Jun	92	63	641,367	0.35	84.2	37	58.2	26	23.3	10	6.1	3	29.0	13	26.3	12	227.1
Jul	91	47	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	90	44	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sep	126	79	1,540,742	0.34	126.9	24	240.6	46	46.5	9	17.7	3	49.1	9	39.7	8	520.5
Oct	150	118	7,244,788	0.34	496.7	20	1,478.8	60	181.3	7	72.1	3	134.1	5	112.3	5	2,475.4
Nov	155	125	7,616,102	0.39	781.6	26	1,713.7	57	171.2	6	88.9	3	138.0	5	111.9	4	3,005.2
Dec	161	144	7,747,546	0.39	1,427.6	47	1,104.7	36	140.2	5	82.3	3	138.3	5	144.2	5	3,037.3
Annual	129	87	38,581,941	0.38	4,826.9	33	6,688.0	46	980.8	7	413.5	3	995.1	7	670.8	5	14,575.2
Quarter 1	145	95	10,977,472	0.38	1,514.3	36	1,726.4	42	266.6	6	102.9	2	372.7	9	169.8	4	4,152.7
Quarter 2	113	66	3,455,291	0.40	479.8	35	423.8	31	175.0	13	49.6	4	162.9	12	93.0	7	1,384.1
Quarter 3	102	57	1,540,742	0.34	126.9	24	240.6	46	46.5	9	17.7	3	49.1	9	39.7	8	520.5
Quarter 4	155	129	22,608,436	0.38	2,705.9	32	4,297.2	50	492.7	6	243.3	3	410.4	5	368.4	4	8,517.9
First Semester	129	81	14,432,763	0.38	1,994.1	36	2,150.2	39	441.6	8	152.5	3	535.6	10	262.8	5	5,536.8
Second Semester	129	93	24,149,178	0.37	2,832.8	31	4,537.8	50	539.2	6	260.9	3	459.5	5	408.0	5	9,038.4

Country: ALL			Year: 2022				Area: SYC EEZ										
Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	158	136	5,178,278	0.36	885.6	48	518.1	28	95.0	5	74.0	4	137.8	7	132.8	7	1,843.2
Feb	154	79	1,841,080	0.30	187.3	34	142.6	26	46.2	8	26.8	5	87.7	16	58.3	11	548.9
Mar	145	64	1,587,579	0.28	154.2	34	134.1	30	36.8	8	32.2	7	62.3	14	31.4	7	451.0
Apr	118	53	478,877	0.32	63.0	42	46.3	31	9.8	6	8.5	6	12.4	8	11.0	7	151.1
May	96	38	209,265	0.39	26.1	32	33.1	40	9.0	11	4.6	6	4.3	5	5.1	6	82.3
Jun	95	28	81,120	0.57	24.8	54	3.3	7	2.5	5	7.2	16	4.4	10	4.0	9	46.2
Jul	93	23	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	91	25	108,148	0.24	2.7	10	10.1	39	1.9	7	0.8	3	6.1	23	4.4	17	26.1
Sep	106	52	843,097	0.33	81.5	30	92.4	34	21.6	8	9.0	3	40.2	15	29.7	11	274.3
Oct	137	108	5,912,582	0.39	975.1	42	745.2	32	138.8	6	57.4	2	173.4	7	222.8	10	2,312.7
Nov	150	126	8,007,847	0.35	1,033.9	37	1,105.3	40	159.3	6	86.5	3	186.0	7	192.6	7	2,763.7
Dec	143	119	8,104,818	0.42	1,296.4	38	1,533.2	45	164.0	5	81.2	2	177.4	5	152.0	4	3,403.6
Annual	124	71	32,352,691	0.37	4,730.7	40	4,363.7	37	684.8	6	388.2	3	892.1	7	844.2	7	11,903.2
Quarter 1	152	93	8,606,937	0.33	1,227.1	43	794.78	28	177.9	6	133.0	5	287.8	10	222.5	8	2,843.1
Quarter 2	103	40	769,262	0.36	114.0	41	82.74	30	21.3	8	20.3	7	21.1	8	20.2	7	279.7
Quarter 3	97	33	951,245	0.32	84.2	28	102.50	34	23.5	8	9.8	3	46.3	15	34.1	11	300.4
Quarter 4	143	118	22,025,248	0.39	3,305.4	39	3,383.70	40	462.1	5	225.1	3	536.8	6	567.4	7	8,480.0
First Semester	128	66	9,376,199	0.33	1,341.1	43	877.5	28	199.3	6	153.3	5	309.0	10	242.6	8	3,122.8
Second Semester	120	76	4,197,921	2.09	3,389.6	39	3,486.2	40	485.6	6	234.9	3	583.1	7	601.5	7	8,780.4

TABLE 2.3B Monthly Catch, Effort and Catch Rate Statistics for Industrial Longliners in the Seychelles EEZ

(Database Closed on 30/06/2023)

Country: SEYCHELLES

Year: 2021

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	58	48	2,235,289	0.43	372.1	38	441.3	46	62.9	7	24.4	3	32.5	3	33.8	3	967.0
Feb	59	42	890,379	0.25	63.4	28	104.1	47	19.3	9	6.9	3	18.6	8	11.3	5	223.6
Mar	60	46	1,184,785	0.36	187.1	44	157.9	37	27.5	6	11.9	3	27.4	6	14.5	3	426.3
Apr	61	47	725,388	0.34	86.2	35	114.1	46	20.9	8	8.9	4	10.0	4	8.7	4	248.8
May	58	48	615,581	0.42	98.0	38	68.8	27	44.7	17	6.7	3	18.2	7	19.5	8	255.9
Jun	59	47	193,106	0.20	5.7	15	13.6	36	8.2	22	2.0	5	2.9	8	5.4	14	37.8
Jul	59	47	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	58	44	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sep	58	44	505,247	0.28	38.7	27	77.0	54	10.1	7	5.7	4	2.8	2	8.2	6	142.5
Oct	58	50	2,843,623	0.29	150.8	18	555.6	67	58.6	7	25.3	3	14.6	2	26.1	3	831.1
Nov	58	51	2,682,369	0.33	122.9	14	615.8	70	60.5	7	29.6	3	22.5	3	26.8	3	878.2
Dec	58	55	2,376,008	0.28	250.4	38	284.2	43	45.8	7	30.6	5	15.1	2	35.6	5	661.7
Annual	59	47	14,251,774	0.33	1,375.4	29	2,432.6	52	358.4	8	152.0	3	164.6	4	190.0	4	4,672.9
Quarter 1	59	45	4,310,453	0.38	622.6	39	703.3	43	109.7	7	43.2	3	78.5	5	59.6	4	1,616.9
Quarter 2	59	47	1,534,075	0.35	189.9	35	196.6	36	73.7	14	17.6	3	31.0	6	33.6	6	542.5
Quarter 3	58	45	505,247	0.28	38.7	27	77.0	54	10.1	7	5.7	4	2.8	2	8.2	6	142.5
Quarter 4	58	52	7,901,999	0.30	524.2	22	1,455.7	61	164.9	7	85.5	4	52.2	2	88.6	4	2,371.0
First Semester	59	46	5,844,528	0.37	812.5	38	899.9	42	183.4	8	60.8	3	109.5	5	93.3	4	2,159.4
Second Semester	58	49	8,407,246	0.30	562.9	22	1,532.7	61	175.0	7	91.2	4	55.1	2	96.8	4	2,513.5

Country: SEYCHELLES

Year: 2022

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	58	54	1,335,617	0.37	287.9	59	130.9	27	23.9	5	14.0	3	7.3	1	23.8	5	487.8
Feb	58	50	790,258	0.24	77.4	41	56.2	30	12.8	7	9.4	5	9.7	5	22.9	12	188.4
Mar	56	35	668,364	0.25	64.9	39	54.6	33	15.1	9	9.3	6	13.5	8	9.6	6	167.0
Apr	54	34	197,773	0.32	32.4	52	16.3	26	4.1	7	2.3	4	1.2	2	6.1	10	62.4
May	44	33	102,971	0.46	15.6	33	20.1	43	5.1	11	2.2	5	1.1	2	2.9	6	47.0
Jun	44	27	65,720	0.51	24.8	74	3.2	9	2.3	7	0.8	2	0.1	0	2.3	7	33.5
Jul	44	23	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	42	22	83,358	0.24	2.3	12	6.4	32	1.4	7	0.6	3	5.7	28	3.7	18	20.2
Sep	41	25	308,083	0.29	17.8	20	37.0	42	6.2	7	2.2	2	19.4	22	5.5	6	88.1
Oct	41	28	1,229,748	0.35	173.7	41	143.0	33	30.7	7	13.7	3	31.9	7	34.1	8	427.1
Nov	41	32	1,454,850	0.30	203.2	47	136.1	32	34.1	8	13.9	3	22.6	5	21.0	5	430.9
Dec	40	31	1,567,332	0.35	224.0	41	236.1	43	32.9	6	14.3	3	22.5	4	22.7	4	552.4
Annual	47	33	7,804,074	0.32	1,124.0	45	839.8	34	168.6	7	82.7	3	135.2	5	154.6	6	2,504.9
Quarter 1	57	46	2,794,239	0.30	430.3	51	241.7	29	51.8	6	32.6	4	30.5	4	56.3	7	843.3
Quarter 2	47	31	366,464	0.39	72.8	51	39.6	28	11.5	8	5.4	4	2.4	2	11.3	8	142.9
Quarter 3	42	23	391,441	0.28	20.1	19	43.4	40	7.6	7	2.8	3	25.1	23	9.2	9	108.3
Quarter 4	41	30	4,251,931	0.33	600.8	43	515.2	37	97.7	7	41.9	3	77.1	5	77.8	6	1,410.4
First Semester	52	39	3,160,703	0.31	503.1	51	281.3	29	63.3	6	38.0	4	32.9	3	67.6	7	986.2
Second Semester	42	27	4,643,371	0.33	620.9	41	558.6	37	105.3	7	44.7	3	102.3	7	87.0	6	1,518.7

TABLE 2.3C Monthly Catch, Effort and Catch Rate Statistics for Industrial Longliners in the Seychelles EEZ

(Database Closed on 30/06/2023)

Country: TAIWAN PROVINCE OF CHINA
Year: 2021
Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	70	62	3,996,886	0.42	640.9	38	701.1	42	80.8	5	36.2	2	158.3	9	68.4	4	1685.6
Feb	70	44	1,025,127	0.27	86.6	31	103.4	37	18.7	7	7.9	3	41.3	15	19.1	7	277.1
Mar	72	25	849,043	0.32	91.1	34	106.0	39	19.0	7	12.1	5	28.1	10	12.5	5	268.8
Apr	68	21	619,577	0.36	54.0	24	107.0	47	17.3	8	12.9	6	18.6	8	15.5	7	225.3
May	35	12	542,964	0.50	119.6	44	62.0	23	32.1	12	14.0	5	26.1	10	17.3	6	271.1
Jun	23	11	145,961	0.54	21.3	27	24.3	31	5.9	7	2.3	3	19.8	25	5.7	7	79.2
Jul	22	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	22	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sep	57	30	927,149	0.37	73.5	22	150.6	44	33.1	10	11.1	3	43.6	13	27.1	8	338.9
Oct	80	61	3,844,223	0.37	288.8	20	798.2	56	108.8	8	42.0	3	105.0	7	77.9	5	1420.7
Nov	85	67	4,414,733	0.43	570.6	30	989.4	52	100.6	5	54.8	3	109.1	6	78.2	4	1902.7
Dec	89	80	4,723,506	0.44	975.9	47	776.4	37	87.3	4	47.6	2	117.6	6	80.2	4	2085.0
Annual	58	34	21,089,171	0.41	2,922.3	34	3,818.3	45	503.5	6	241.0	3	667.4	8	402.0	5	8,554.4
Quarter 1	71	44	5,871,057	0.38	818.6	37	910.5	41	118.5	5	56.3	3	227.7	10	100.0	4	2,231.5
Quarter 2	42	15	1,308,502	0.44	194.8	34	193.3	34	55.3	10	29.2	5	64.5	11	38.6	7	575.7
Quarter 3	34	10	927,149	0.37	73.5	22	150.6	44	33.1	10	11.1	3	43.6	13	27.1	8	338.9
Quarter 4	85	69	12,982,462	0.42	1,835.3	34	2,564.0	47	296.7	5	144.4	3	331.6	6	236.4	4	5,408.4
First Semester	56	29	7,179,559	0.39	1,013.4	36	1,103.8	39	173.7	6	85.5	3	292.2	10	138.6	5	2,807.2
Second Semester	59	40	13,909,612	0.41	1,908.9	33	2,714.6	47	329.7	6	155.5	3	375.2	7	263.4	5	5,747.3

Country: TAIWAN PROVINCE OF CHINA
Year: 2022
Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	89	75	3,466,909	0.36	527.7	43	361.9	29	67.8	5	56.2	5	124.9	10	99.8	8	1238.2
Feb	86	27	1,011,957	0.34	108.9	32	84.7	25	26.1	8	16.9	5	72.8	21	34.9	10	344.2
Mar	84	29	919,215	0.31	89.2	31	79.5	28	21.7	8	22.9	8	48.8	17	21.8	8	284.0
Apr	55	19	281,104	0.32	30.6	35	30.0	34	5.6	6	6.2	7	11.3	13	4.9	6	88.7
May	43	5	106,294	0.33	10.6	30	13.0	37	3.9	11	2.4	7	3.2	9	2.3	6	35.4
Jun	42	1	15,400	0.83	0.0	0	0.1	1	0.2	2	6.4	50	4.3	34	1.7	13	12.7
Jul	40	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	39	2	5,590	0.16	0.0	2	0.3	31	0.1	11	0.1	8	0.3	39	0.1	9	0.9
Sep	55	23	379,614	0.28	34.2	32	37.0	34	7.2	7	3.2	3	16.6	15	9.5	9	107.6
Oct	78	65	4,054,511	0.37	579.5	38	508.3	34	92.9	6	36.2	2	135.1	9	163.6	11	1515.6
Nov	92	82	5,856,164	0.33	554.6	29	862.8	45	109.8	6	65.7	3	158.5	8	155.6	8	1907.0
Dec	88	77	5,794,137	0.36	502.9	24	1153.5	55	119.3	6	62.0	3	152.2	7	113.2	5	2103.1
Annual	66	34	21,890,895	0.35	2,438.2	32	3,131.0	41	454.7	6	278.0	4	727.9	10	607.4	8	7,637.2
Quarter 1	86	44	5,398,081	0.35	725.8	39	526.0	28	115.6	6	95.9	5	246.5	13	156.5	8	1,866.4
Quarter 2	47	8	402,798	0.34	41.2	30	43.2	32	9.8	7	15.0	11	18.8	14	8.9	6	136.8
Quarter 3	45	8	385,204	0.28	34.2	32	37.3	34	7.3	7	3.2	3	16.9	16	9.5	9	108.4
Quarter 4	86	75	15,704,812	0.35	1,637.0	30	2,524.6	46	322.0	6	163.9	3	445.8	8	432.5	8	5,525.6
First Semester	67	26	5,800,879	0.35	767.0	38	569.2	28	125.4	6	110.9	6	265.2	13	165.4	8	2,003.1
Second Semester	65	42	16,090,016	0.35	1,671.2	30	2,561.9	45	329.3	6	167.1	3	462.7	8	442.0	8	5,634.1

TABLE 2.3D Monthly Catch, Effort and Catch Rate Statistics for Industrial Longliners in the Seychelles EEZ

(Database Closed on 30/06/2023)

Country: OTHERS

Year: 2021

Area: SYC EEZ

Month	Vessels		Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches														Total Catch (Mt)
	Licensed (Number)	Covered (Number)			Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)			
Jan	14	10	571,453	0.34	64.3	33	99.6	51	13.8	7	2.8	1	6.2	3	9.0	5	195.7		
Feb	17	5	80,000	0.21	1.4	8	6.1	36	3.9	23	0.0	0	5.4	32	0.2	1	17.0		
Mar	14	4	144,509	0.63	7.5	8	6.9	8	20.8	23	0.6	1	54.9	60	1.0	1	91.6		
Apr	14	3	125,114	0.74	2.0	2	5.1	5	29.2	31	0.1	0	56.0	60	0.4	0	92.7		
May	12	5	185,300	0.34	35.9	57	8.5	13	7.6	12	1.0	2	5.0	8	5.2	8	63.2		
Jun	10	5	302,300	0.36	57.2	52	20.3	18	9.2	8	1.8	2	6.4	6	15.1	14	110.1		
Jul	10	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Aug	10	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Sep	11	5	108,345	0.36	14.6	37	13.1	33	3.4	9	0.9	2	2.7	7	4.4	11	39.0		
Oct	12	7	556,942	0.40	57.1	26	125.0	56	13.9	6	4.8	2	14.6	7	8.3	4	223.7		
Nov	12	7	519,000	0.43	88.1	39	108.5	48	10.1	5	4.5	2	6.4	3	6.8	3	224.4		
Dec	14	9	648,033	0.45	201.3	69	44.1	15	7.2	2	4.1	1	5.6	2	28.3	10	290.5		
Annual	13	5	3,240,996	0.42	529.3	39	437.1	32	119.0	9	20.5	2	163.2	12	78.7	6	1,347.8		
Quarter 1	15	6	795,962	0.38	73.1	24	112.6	37	38.5	13	3.4	1	66.5	22	10.1	3	304.3		
Quarter 2	12	4	612,714	0.43	95.1	36	33.9	13	46.0	17	2.8	1	67.4	25	20.8	8	266.0		
Quarter 3	10	2	108,345	0.36	14.6	37	13.1	33	3.4	9	0.9	2	2.7	7	4.4	11	39.0		
Quarter 4	13	8	1,723,975	0.43	346.5	47	277.5	38	31.2	4	13.3	2	26.6	4	43.4	6	738.5		
First Semester	14	5	1,408,676	0.40	168.2	29	146.5	26	84.5	15	6.2	1	133.9	23	30.9	5	570.2		
Second Semester	12	5	1,832,320	0.42	361.1	46	290.6	37	34.5	4	14.3	2	29.3	4	47.8	6	777.6		

Country: OTHERS

Year: 2022

Area: SYC EEZ

Month	Vessels		Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches														Total Catch (Mt)
	Licensed (Number)	Covered (Number)			Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)			
Jan	11	7	375,752	0.31	70.0	60	25.3	22	3.3	3	3.9	3	5.6	5	9.2	8	117.2		
Feb	10	2	38,865	0.42	1.0	6	1.8	11	7.3	45	0.5	3	5.2	32	0.5	3	16.2		
Mar	5	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Apr	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
May	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Jun	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Jul	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Aug	10	1	19,200	0.26	0.3	7	3.5	69	0.4	8	0.1	3	0.1	1	0.6	13	5.0		
Sep	10	4	155,400	0.51	29.5	38	18.3	23	8.2	10	3.7	5	4.2	5	14.7	19	78.7		
Oct	18	15	628,323	0.59	222.0	60	93.9	25	15.2	4	7.5	2	6.4	2	25.1	7	370.0		
Nov	17	12	696,833	0.61	276.1	65	106.5	25	15.3	4	6.9	2	4.9	1	16.0	4	425.8		
Dec	15	11	743,349	1.01	569.5	76	143.6	19	11.8	2	4.9	1	2.7	0	16.1	2	748.1		
Annual	11	4	2,657,722	0.66	1,168.5	66	392.8	22	61.5	3	27.5	2	29.0	2	82.2	5	1,761.1		
Quarter 1	9	3	414,617	0.32	71.0	53	27.0	20	10.6	8	4.4	3	10.8	8	9.6	7	133.5		
Quarter 2	9	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0		
Quarter 3	10	2	174,600	0.48	29.9	36	21.8	26	8.6	10	3.8	5	4.3	5	15.4	18	83.7		
Quarter 4	17	13	2,068,505	0.75	1,067.6	69	344.0	22	42.3	3	19.3	1	13.9	1	57.2	4	1,543.9		
First Semester	9	2	414,617	0.32	71.0	53	27.0	20	10.6	8	4.4	3	10.8	8	9.6	7	133.5		
Second Semester	13	7	2,243,105	0.73	1,097.5	67	365.8	22	50.9	3	23.1	1	18.2	1	72.5	4	1,627.6		

TABLE 2.4 Time Series of Catch, Effort and Catch Rate Statistics for Seychelles Flagged Longliners

(Database Closed on 30/06/2023)

Country: SEYCHELLES

Area: WIO

Year: 2012 - 2022

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2012	19,565,233	0.77	1,220.1	8	10,750.2	71	1,082.1	7	1,109.4	7	388.8	3	566.8	4	15,117.3
2013	23,477,396	0.49	1,176.7	10	6,193.1	54	944.9	8	564.3	5	392.3	3	2,159.8	19	11,431.2
2014	21,585,172	0.50	1,643.2	15	5,260.0	49	964.6	9	686.7	6	583.4	5	1,551.4	15	10,689.3
2015	22,825,037	0.55	2,306.4	18	5,835.2	47	1,621.2	13	1,238.5	10	435.8	3	1,082.7	9	12,519.7
2016	34,617,894	0.43	2,634.3	18	5,266.8	35	1,863.0	12	1,547.9	10	496.4	3	3,200.5	21	15,008.7
2017	35,280,712	0.42	3,422.9	23	3,897.0	27	1,468.0	10	908.4	6	607.0	4	4,400.5	30	14,703.8
2018	39,370,820	0.45	5,845.2	33	3,675.4	21	2,223.1	13	1,085.5	6	1197.2	7	3,531.4	20	17,557.8
2019	39,154,221	0.58	8,978.3	39	5,265.3	23	2,089.9	9	753.2	3	1292.7	6	4,486.5	20	22,865.8
2020	40,551,445	0.55	7,775.0	35	7,391.1	33	1,721.0	8	654.0	3	903.7	4	4,024.6	18	22,469.3
2021	39,858,649	0.36	3,064.2	21	5,825.8	40	1,100.1	8	407.9	3	578.5	4	3,549.7	24	14,526.1
2022	27,746,813	0.36	2,893.9	29	3,882.2	39	780.4	8	337.5	3	415.8	4	1,588.6	16	9,898.3

Country: SEYCHELLES

Area: Seychelles EEZ

Year: 2012 - 2022

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2012	2,630,029	0.71	195.5	10	1,375.6	74	118.4	6	116.0	6	38.5	2	19.2	1	1,863.2
2013	4,744,165	0.58	372.6	14	1,973.8	72	137.3	5	126.4	5	78.3	3	43.2	2	2,731.6
2014	5,876,348	0.52	638.8	21	1,848.1	61	191.1	6	147.0	5	134.7	4	71.5	2	3,031.2
2015	6,742,755	0.49	980.3	30	1,663.6	50	281.1	8	242.1	7	100.0	3	46.6	1	3,313.6
2016	10,071,951	0.42	1,126.5	27	1,978.4	47	460.4	11	430.9	10	154.4	4	89.0	2	4,239.6
2017	8,432,538	0.39	1,181.4	36	1,359.6	41	310.0	9	198.4	6	154.9	5	123.5	4	3,327.7
2018	8,023,333	0.42	1,565.2	46	832.2	25	335.1	10	176.0	5	316.2	9	157.6	5	3,382.2
2019	5,438,020	0.65	2,031.7	58	872.2	25	198.8	6	107.3	3	145.2	4	162.6	5	3,517.9
2020	10,203,461	0.62	3,170.7	50	2,194.0	34	415.3	7	162.4	3	201.3	3	231.4	4	6,375.1
2021	14,251,774	0.33	1,375.4	29	2,432.6	52	358.4	8	152.0	3	164.6	4	190.0	4	4,672.9
2022	7,804,074	0.32	1,124.0	45	839.8	34	168.6	7	82.7	3	135.2	5	154.6	6	2,504.9

TABLE 2.4A Quarterly Catch, Effort and Catch Rate Statistics of Seychelles Flagged Industrial Longliners by Geographical Areas

(Database Closed on 30/06/2023)

Country: SEYCHELLES

Year: 2021

Area	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)	Cummulative Total (Mt)
				Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others			
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)		
Seychelles EEZ	1	4,310,453	0.38	622.6	39	703.3	43	109.7	7	43.2	3	78.5	5	59.6	4	1,616.9	1,616.9
	2	1,534,075	0.35	189.9	35	196.6	36	73.7	14	17.6	3	31.0	6	33.6	6	542.5	2,159.4
	3	505,247	0.28	38.7	27	77.0	54	10.1	7	5.7	4	2.8	2	8.2	6	142.5	2,301.9
	4	7,901,999	0.30	524.2	22	1,455.7	61	164.9	7	85.5	4	52.2	2	88.6	4	2,371.0	4,672.9
SYC EEZ Total		14,251,774	0.33	1,375.4	29	2,432.6	52	358.4	8	152.0	3	164.6	4	190.0	4	4,672.9	
Foreign EEZ	1	680,921	0.57	191.2	50	120.0	31	18.6	5	7.3	2	28.3	7	19.5	5	384.9	384.9
	2	455,393	0.52	81.4	35	80.0	34	19.7	8	3.5	1	13.8	6	37.3	16	235.5	620.4
	3	256,829	0.84	67.8	31	92.4	43	20.5	9	1.2	1	0.0	0	34.6	16	216.4	836.8
	4	989,493	0.43	48.3	11	350.3	82	12.2	3	4.7	1	0.0	0	11.6	3	427.1	1,263.8
Foreign EEZ Total		2,382,636	0.53	388.7	31	642.7	51	70.9	6	16.7	1	42.0	3	102.9	8	1,263.8	
High Seas	1	3,503,377	0.34	297.2	25	347.1	29	62.7	5	34.9	3	104.5	9	335.6	28	1,182.0	1,182.0
	2	8,251,829	0.46	646.6	17	883.7	23	306.9	8	92.3	2	152.5	4	1,700.0	45	3,782.2	4,964.2
	3	8,784,780	0.32	243.2	9	1,094.0	39	228.7	8	75.9	3	80.3	3	1,084.2	39	2,806.4	7,770.5
	4	2,684,252	0.31	113.1	14	425.6	52	72.5	9	36.2	4	34.5	4	136.9	17	818.9	8,589.4
High Seas Total		23,224,238	0.37	1,300.2	15	2,750.5	32	670.8	8	239.3	3	371.8	4	3,256.8	38	8,589.4	
WIO Total	1	8,494,752	0.37	1,111.0	35	1,170.4	37	191.0	6	85.4	3	211.3	7	414.7	13	3,183.8	3,183.8
	2	10,241,297	0.45	917.9	12	1,160.2	15	400.3	5	113.4	1	197.4	3	1,771.0	23	4,560.1	7,744.0
	3	9,546,856	0.33	349.7	3	1,263.5	12	259.2	2	82.8	1	83.1	1	1,126.9	10	3,165.3	10,909.2
	4	11,575,744	0.31	685.6	5	2,231.6	15	249.5	2	126.4	1	86.7	1	237.0	2	3,616.9	14,526.1
Grand Total		39,858,649	0.36	3,064.2	21	5,825.8	40	1,100.1	8	407.9	3	578.5	4	3,549.7	24	14,526.1	

Country: SEYCHELLES

Year: 2022

Area	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)	Cummulative Total (Mt)
				Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others			
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)		
Seychelles EEZ	1	2,794,239	0.30	430.3	51	241.7	29	51.8	6	32.6	4	30.5	4	56.3	7	843.3	843.3
	2	366,464	0.39	72.8	51	39.6	28	11.5	8	5.4	4	2.4	2	11.3	8	142.9	986.2
	3	391,441	0.28	20.1	19	43.4	40	7.6	7	2.8	3	25.1	23	9.2	9	108.3	1,094.5
	4	4,251,931	0.33	600.8	43	515.2	37	97.7	7	41.9	3	77.1	5	77.8	6	1,410.4	2,504.9
SYC EEZ Total		7,804,074	0.32	1,124.0	45	839.8	34	168.6	7	82.7	3	135.2	5	154.6	6	2,504.9	
Foreign EEZ	1	63,100	0.55	11.5	33	15.6	45	2.2	6	1.2	4	0.0	0	4.5	13	35.0	35.0
	2	234,333	0.46	37.9	35	33.5	31	7.7	7	5.4	5	0.0	0	23.6	22	108.2	143.1
	3	168,800	0.50	4.7	6	18.7	22	1.0	1	3.3	4	0.5	1	56.6	67	84.8	227.9
	4	354,700	0.46	45.1	28	102.7	63	2.8	2	2.0	1	0.0	0	10.9	7	163.5	391.4
Foreign EEZ Total		820,933	0.48	99.3	25	170.6	44	13.7	3	11.9	3	0.5	0	95.5	24	391.4	
High Seas	1	5,953,449	0.35	785.5	37	761.4	36	210.5	10	80.9	4	93.2	4	167.1	8	2,098.6	2,098.6
	2	6,645,523	0.45	647.9	22	1,232.1	41	213.6	7	95.3	3	111.7	4	675.1	23	2,975.6	5,074.2
	3	4,457,940	0.29	158.0	12	508.2	40	116.7	9	45.9	4	46.3	4	402.7	32	1,277.7	6,351.9
	4	2,064,893	0.31	79.1	12	370.2	57	57.3	9	20.9	3	29.0	4	93.6	14	650.1	7,002.0
High Seas Total		19,121,805	0.37	1,670.6	24	2,871.8	41	598.1	9	243.0	3	280.1	4	1,338.5	19	7,002.0	
WIO Total	1	8,810,788	0.34	1,227.3	41	1,018.7	34	264.4	9	114.8	4	123.7	4	227.8	8	2,976.8	2,976.8
	2	7,246,320	0.45	758.6	12	1,305.2	21	232.8	4	106.0	2	114.0	2	710.0	11	3,226.8	6,203.5
	3	5,018,181	0.29	182.9	2	570.3	7	125.3	2	51.9	1	71.9	1	468.4	6	1,470.8	7,674.3
	4	6,671,523	0.33	725.0	7	988.1	10	157.9	2	64.8	1	106.1	1	182.2	2	2,224.1	9,898.3
Grand Total		27,746,813	0.36	2,893.9	29	3,882.2	39	780.4	8	337.5	3	415.8	4	1,588.6	16	9,898.3	

TABLE 2.4B Quarterly Proportion of Catch and Effort by Geographical Areas and Flag

(Database Closed on 30/06/2023)

Country: All

Year: 2021

Quarter	Flag	Effort (Hooks)			Total Catch		
		SYC EEZ	Foreign EEZ	High Seas	SYC EEZ	Foreign EEZ	High Seas
1	Seychelles	51%	8%	41%	51%	12%	37%
	Taiwan Province of China	87%	0%	13%	90%	0%	10%
	Others	98%	0%	2%	99%	0%	1%
Quarter 1 Total		68%	4%	27%	70%	6%	24%
2	Seychelles	15%	4%	81%	12%	5%	83%
	Taiwan Province of China	81%	0%	19%	78%	0%	22%
	Others	99%	0%	1%	99%	0%	1%
Quarter 2 Total		28%	4%	69%	25%	4%	71%
3	Seychelles	5%	3%	92%	5%	7%	89%
	Taiwan Province of China	96%	0%	4%	99%	0%	1%
	Others	97%	0%	3%	99%	0%	1%
Quarter 3 Total		15%	2%	83%	15%	6%	79%
4	Seychelles	68%	9%	23%	66%	12%	23%
	Taiwan Province of China	92%	1%	7%	92%	1%	7%
	Others	98%	0%	2%	98%	0%	2%
Quarter 4 Total		82%	4%	14%	83%	5%	12%
Semester 1		51%	4%	45%	48%	5%	47%
Semester 2		63%	4%	33%	65%	5%	29%
Year Total		58%	4%	38%	58%	5%	37%

Country: ALL

Year: 2022

Quarter	Flag	Effort (Hooks)			Total Catch		
		SYC EEZ	Foreign EEZ	High Seas	SYC EEZ	Foreign EEZ	High Seas
1	Seychelles	32%	1%	68%	28%	1%	70%
	Taiwan Province of China	92%	0%	8%	93%	0%	7%
	Others	95%	0%	5%	95%	0%	5%
Quarter 1 Total		57%	0%	43%	55%	1%	44%
2	Seychelles	5%	3%	92%	4%	3%	92%
	Taiwan Province of China	43%	0%	57%	39%	0%	61%
	Others	0%	0%	0%	0%	0%	0%
Quarter 2 Total		9%	3%	88%	8%	3%	89%
3	Seychelles	8%	3%	89%	7%	6%	87%
	Taiwan Province of China	95%	0%	5%	97%	0%	3%
	Others	81%	19%	0%	88%	12%	0%
Quarter 3 Total		17%	4%	79%	18%	6%	76%
4	Seychelles	64%	5%	31%	63%	7%	29%
	Taiwan Province of China	96%	0%	4%	96%	0%	4%
	Others	93%	4%	3%	95%	1%	5%
Quarter 4 Total		87%	2%	11%	88%	2%	10%
Semester 1		40%	1%	59%	36%	2%	63%
Semester 2		74%	2%	23%	78%	2%	20%
Year Total		60%	2%	39%	60%	2%	38%

TABLE 2.4C Time Series Catch, Effort and Catch Rate Statistics for Seychelles Flagged Industrial Longliners in the WIO by semester

(Database Closed on 30/06/2023)

Country: Seychelles

Semester 1, Year: 2012 - 2022

Area: WIO

Month	Effort		Catch Rate		Catches										Total Catch (Mt)
	(Hooks)	(MT/1000 Hooks)	Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
2012	8,142,925	0.86	592.9	8	5,197.4	74	442.5	6	424.0	6	96.6	1	263.4	4	7,016.8
2013	12,332,562	0.47	503.4	9	2,910.2	50	591.4	10	340.0	6	143.6	2	1,296.8	22	5,785.4
2014	11,407,738	0.48	1,046.6	19	2,545.8	47	578.5	11	400.4	7	198.0	4	677.6	12	5,446.9
2015	10,941,202	0.53	1,099.4	19	2,799.5	48	743.4	13	578.6	10	175.8	3	410.2	7	5,806.7
2016	16,665,906	0.45	1,593.1	21	2,658.5	35	749.3	10	923.8	12	273.0	4	1,330.9	18	7,528.7
2017	16,036,095	0.43	1,603.0	23	1,734.9	25	744.9	11	522.9	8	230.6	3	2,043.3	30	6,879.7
2018	18,783,426	0.44	2,827.2	34	1,679.3	20	1034.2	13	654.7	8	479.3	6	1,585.6	19	8,260.4
2019	19,294,826	0.58	4,649.2	41	2,187.1	19	1275.6	11	430.5	4	679.8	6	2,063.4	18	11,285.6
2020	20,352,839	0.62	4,742.6	38	4,126.7	33	1032.6	8	460.5	4	397.0	3	1,823.5	14	12,582.9
2021	18,736,049	0.41	2,028.9	26	2,330.7	30	591.3	8	198.8	3	408.6	5	2,185.7	28	7,744.0
2022	16,057,108	0.39	1,985.9	32	2,323.8	37	497.3	8	220.8	4	237.8	4	937.9	15	6,203.5

Country: Seychelles

Semester 2, Year: 2012 - 2022

Area: WIO

Month	Effort		Catch Rate		Catches										Total Catch (Mt)
	(Hooks)	(MT/1000 Hooks)	Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
2012	11,422,308	0.71	627.3	8	5,552.8	69	639.5	8	685.3	8	292.2	4	303.3	4	8,100.5
2013	11,144,834	0.51	673.3	12	3,282.9	58	353.5	6	224.4	4	248.7	4	863.0	15	5,645.8
2014	10,177,435	0.52	596.5	11	2,714.3	52	386.0	7	286.3	5	385.5	7	873.7	17	5,242.4
2015	11,883,834	0.56	1,207.1	18	3,035.7	45	877.8	13	659.9	10	260.0	4	672.5	10	6,713.0
2016	17,951,987	0.42	1,041.2	14	2,608.2	35	1113.6	15	624.1	8	223.4	3	1,869.6	25	7,480.0
2017	19,244,616	0.41	1,819.9	23	2,162.1	28	723.1	9	385.5	5	376.4	5	2,357.2	30	7,824.1
2018	20,587,394	0.45	3,018.0	32	1,996.1	21	1188.9	13	430.8	5	717.9	8	1,945.9	21	9,297.4
2019	19,859,395	0.58	4,329.1	37	3,078.2	27	814.2	7	322.8	3	612.9	5	2,423.0	21	11,580.3
2020	20,198,606	0.49	3,032.3	31	3,264.4	33	688.4	7	193.5	2	506.7	5	2,201.0	22	9,886.4
2021	21,122,599	0.32	1,035.3	15	3,495.1	52	508.7	8	209.1	3	169.9	3	1,364.0	20	6,782.2
2022	11,689,704	0.32	907.9	25	1,558.4	42	283.1	8	116.7	3	178.0	5	650.7	18	3,694.8

TABLE2.5A Quarterly Catch, Effort and Catch Rate Statistics of Longliners by Access Regime in the Seychelles EEZ

(Database Closed on 30/06/2023)

Area: Seychelles EEZ

Year: 2021

Access Regime	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		Total Catch (Mt)	Cummulative Total (Mt)
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)		
National	1	4,310,453	0.38	622.6	39	703.3	43	109.7	7	43.2	3	78.5	5	59.6	4	1,616.9	1,616.9
	2	1,534,075	0.35	189.9	35	196.6	36	73.7	14	17.6	3	31.0	6	33.6	6	542.5	2,159.4
	3	505,247	0.28	38.7	27	77.0	54	10.1	7	5.7	4	2.8	2	8.2	6	142.5	2,301.9
	4	7,901,999	0.30	524.2	22	1,455.7	61	164.9	7	85.5	4	52.2	2	88.6	4	2,371.0	4,672.9
National Total		14,251,774	0.33	1,375.4	29	2,432.6	52	358.4	8	152.0	3	164.6	4	190.0	4	4,672.9	
TTA ¹	1	5,915,111	0.38	818.8	36	898.0	39	133.6	6	55.7	2	270.3	12	100.3	4	2,276.7	2,276.7
	2	1,207,311	0.48	184.5	32	175.0	30	65.5	11	22.9	4	99.3	17	30.3	5	577.5	2,854.2
	3	967,149	0.37	79.8	22	157.2	44	34.0	10	11.5	3	45.1	13	28.8	8	356.5	3,210.7
	4	13,123,368	0.42	1,848.2	34	2,592.4	47	299.7	5	147.4	3	332.5	6	237.8	4	5,458.0	8,668.7
TTA Agreement Total		21,212,940	0.41	2,931.4	34	3,822.6	44	532.7	6	237.5	3	747.2	9	397.2	5	8,668.7	
TFI ²	1	681,442	0	72.9	32	123.0	53	13.3	6	3.9	2	8.3	4	9.8	4	231.2	231.2
	2	659,454	0.35	105.4	45	48.9	21	23.2	10	9.2	4	16.2	7	29.0	13	231.9	463.1
	3	68,345	0.31	8.3	39	6.5	30	2.4	11	0.4	2	1.2	6	2.7	12	21.5	484.6
	4	1,394,969	0.40	219.7	40	227.0	41	27.2	5	10.3	2	25.7	5	41.9	8	551.8	1,036.4
TFI Agreement Total		2,804,210	0.37	406.4	39	405.3	39	66.1	6	23.8	2	51.4	5	83.4	8	1,036.4	
All Agreements ³	1	10,977,472	0.38	1,514.3	36	1,726.4	42	266.6	6	102.9	2	372.7	9	169.8	4	4,152.7	4,152.7
	2	3,455,291	0.40	479.8	35	423.8	31	175.0	13	49.6	4	162.9	12	93.0	7	1,384.1	5,536.8
	3	1,540,742	0.34	126.9	24	240.6	46	46.5	9	17.7	3	49.1	9	39.7	8	520.5	6,057.3
	4	22,608,436	0.38	2,705.9	32	4,297.2	50	492.7	6	243.3	3	410.4	5	368.4	4	8,517.9	14,575.2
Grand Total		38,581,941	0.38	4,826.9	33	6,688.0	46	980.8	7	413.5	3	995.1	7	670.8	5	14,575.2	

¹Taiwan Deepsea Tuna Longline Boat Owners and Exporters Association

²Top Fortune Agreement excluding all Seychelles Flagged vessels that also operates under the TFI agreement

All Agreements³: Includes few catches reported by vessels under other private agreement and SFPA EU/Seychelles

TABLE2.5A Quarterly Catch, Effort and Catch Rate Statistics of Longliners by Access Regime in the Seychelles EEZ

(Database Closed on 30/06/2023)

Area: Seychelles EEZ

Year: 2022

Access Regime	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)	Cummulative Total (Mt)
				Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others			
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)		
National	1	2,794,239	0.30	430.3	51	241.7	29	51.8	6	32.6	4	30.5	4	56.3	7	843.3	843.3
	2	366,464	0.39	72.8	51	39.6	28	11.5	8	5.4	4	2.4	2	11.3	8	142.9	986.2
	3	391,441	0.28	20.1	19	43.4	40	7.6	7	2.8	3	25.1	23	9.2	9	108.3	1,094.5
	4	4,251,931	0.33	600.8	43	515.2	37	97.7	7	41.9	3	77.1	5	77.8	6	1,410.4	2,504.9
National Total		7,804,074	0.32	1,124.0	45	839.8	34	168.6	7	82.7	3	135.2	5	154.6	6	2,504.9	
TTA ¹	1	5,367,041	0.35	732.7	39	519.2	28	115.8	6	97.2	5	245.0	13	150.1	8	1,859.9	1,859.9
	2	402,798	0.34	41.2	30	43.2	32	9.8	7	15.0	11	18.8	14	8.9	6	136.8	1,996.7
	3	385,204	0	34.2	32	37.3	34	7.3	7	3.2	3	16.9	16	9.5	9	108.4	2,105.1
	4	15,697,972	0	1,637.0	30	2,523.9	46	322.0	6	163.9	3	445.6	8	432.4	8	5,524.7	7,629.8
TTA Agreement Total		21,853,015	0.35	2,445.1	32	3,123.6	41	454.9	6	279.3	4	726.3	10	600.8	8	7,629.8	
TFI ²	1	347,692	0.30	48.6	46	27.8	26	3.2	3	3.1	3	8.2	8	15.0	14	105.8	105.8
	2	-	0.00	-	0	-	0	-	0	0.0	0	0.0	0	0.0	0	-	105.8
	3	-	0.00	-	0	-	0	-	0	0.0	0	0.0	0	0.0	0	-	105.8
	4	10,412	0.18	0.8	42	0.8	46	0.0	1	0.0	0	0.1	7	0.1	5	1.8	107.7
TFI Agreement Total		358,104	0.30	49.4	46	28.6	27	3.2	3	3.1	3	8.3	8	15.0	14	107.7	
All Agreements ³	1	8,606,937	0.33	1,227.1	43	794.8	28	177.9	6	133.0	5	287.8	10	222.5	8	2,843.1	2,843.1
	2	769,262	0.36	114.0	41	82.7	30	21.3	8	20.3	7	21.1	8	20.2	7	279.7	3,122.8
	3	951,245	0.32	84.2	28	102.5	34	23.5	8	9.8	3	46.3	15	34.1	11	300.4	3,423.2
	4	22,025,248	0.39	3,305.4	39	3,383.7	40	462.1	5	225.1	3	536.8	6	567.4	7	8,480.0	11,903.2
Grand Total		32,352,691	0.37	4,730.7	40	4,363.7	37	684.8	6	388.2	3	892.1	7	844.2	7	11,903.2	

¹Taiwan Deepsea Tuna Longline Boat Owners and Exporters Association

²Top Fortune Agreement excluding all Seychelles flagged vessels that also operates under the TFI agreement

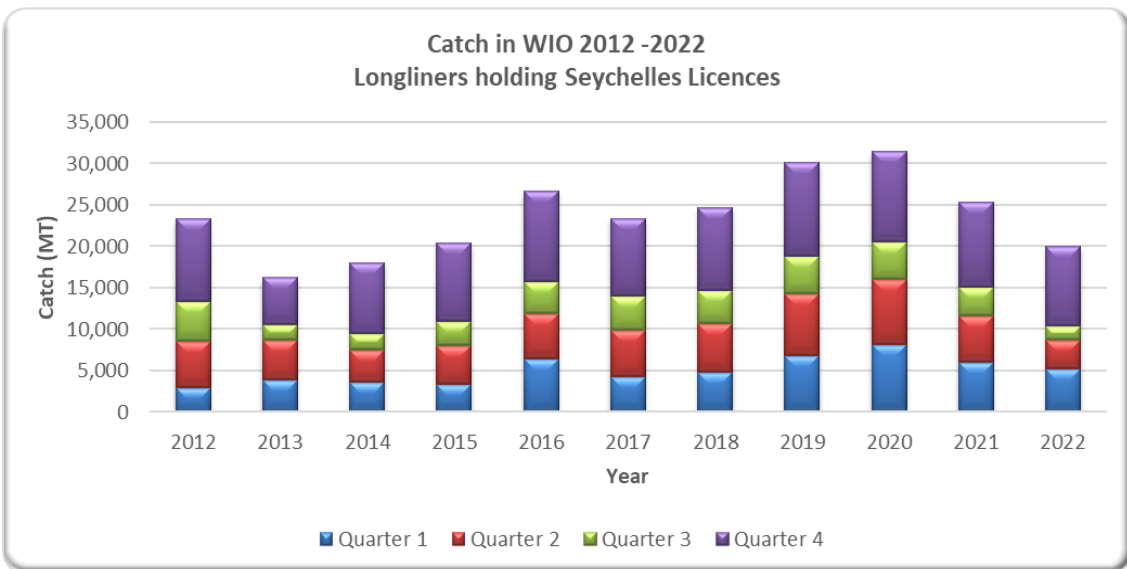


Figure 2A: Industrial Longliners Total catch in the WIO by Year, 2012 - 2022

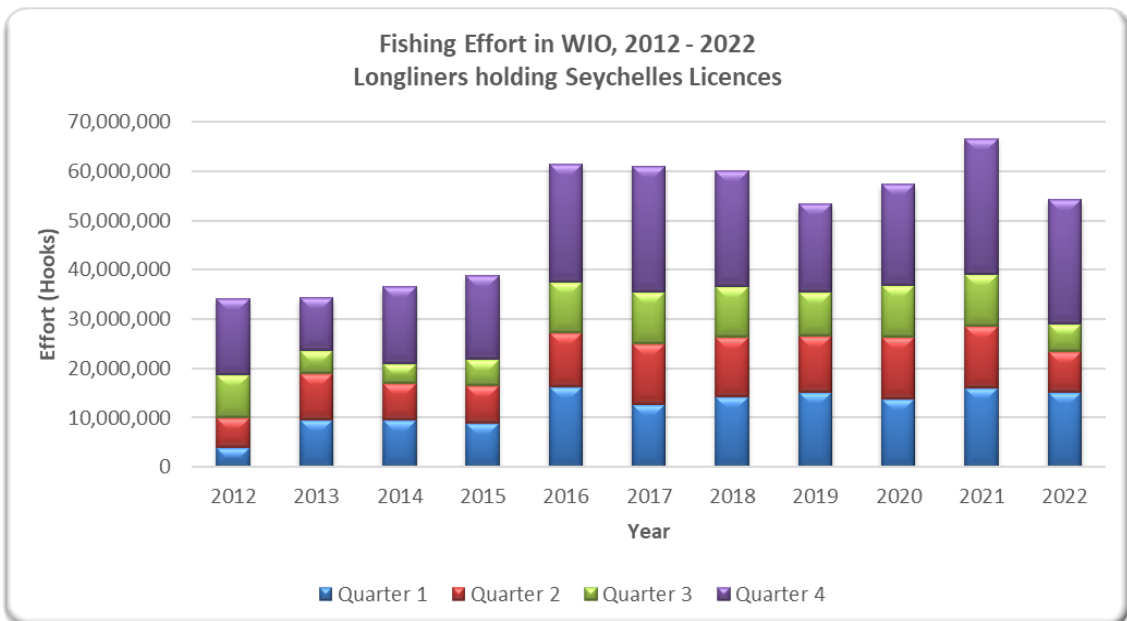


Figure 2B: Industrial longliners fishing effort in the WIO by Year, 2012 - 2022

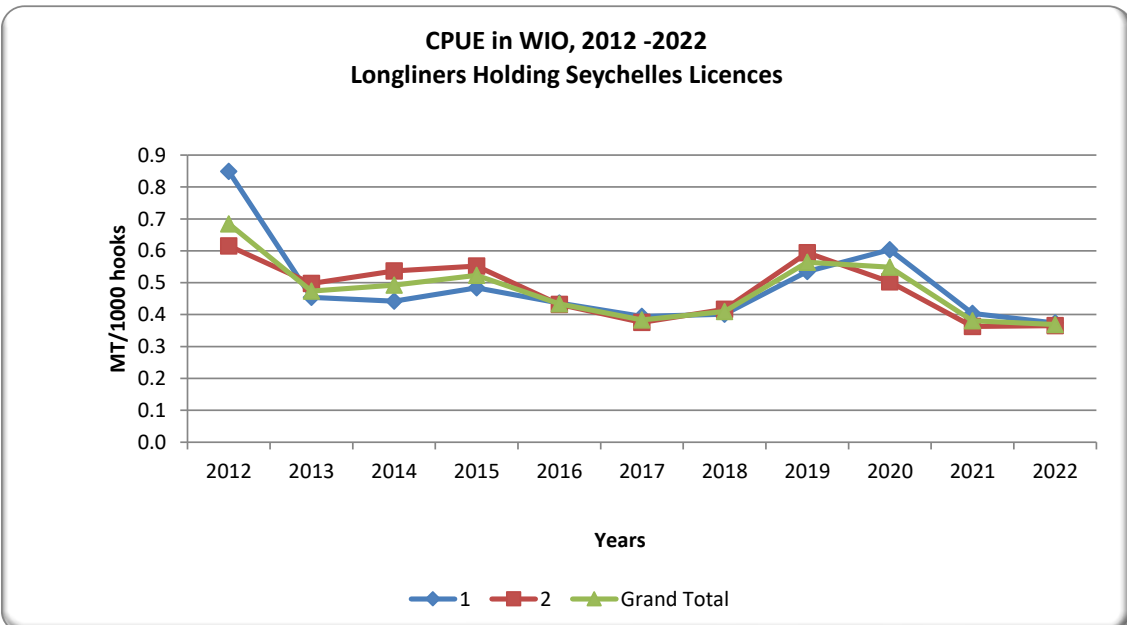


Figure 2C: Industrial Longliners CPUE in the WIO by Year, 2012 - 2022

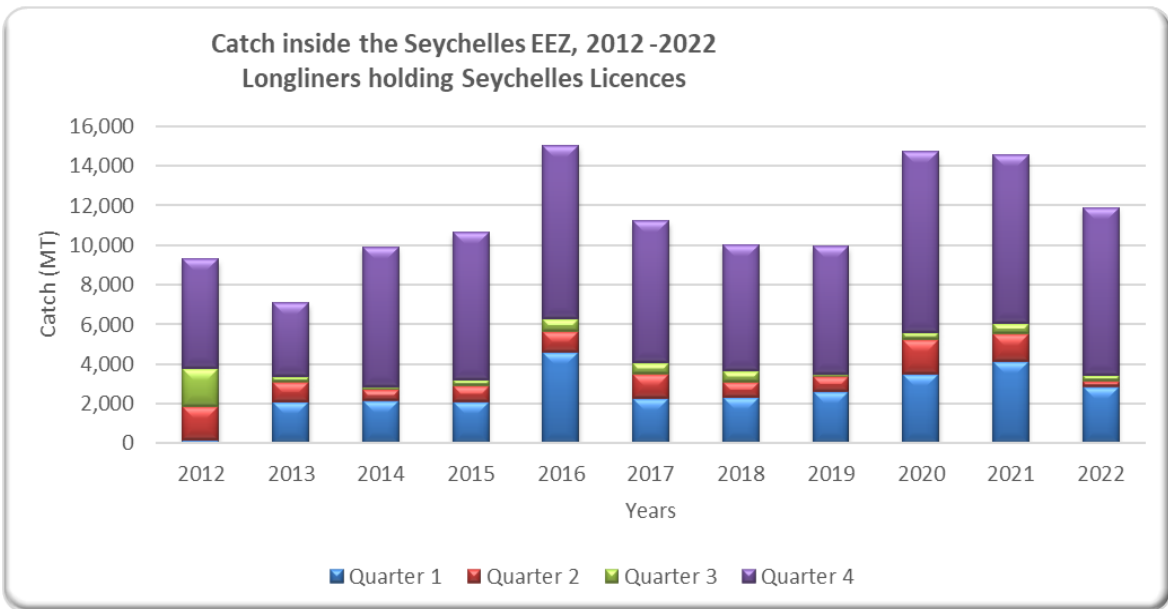


Figure 2D: Industrial longliners Total catch in the Seychelles EEZ by Year, 2012 - 2022

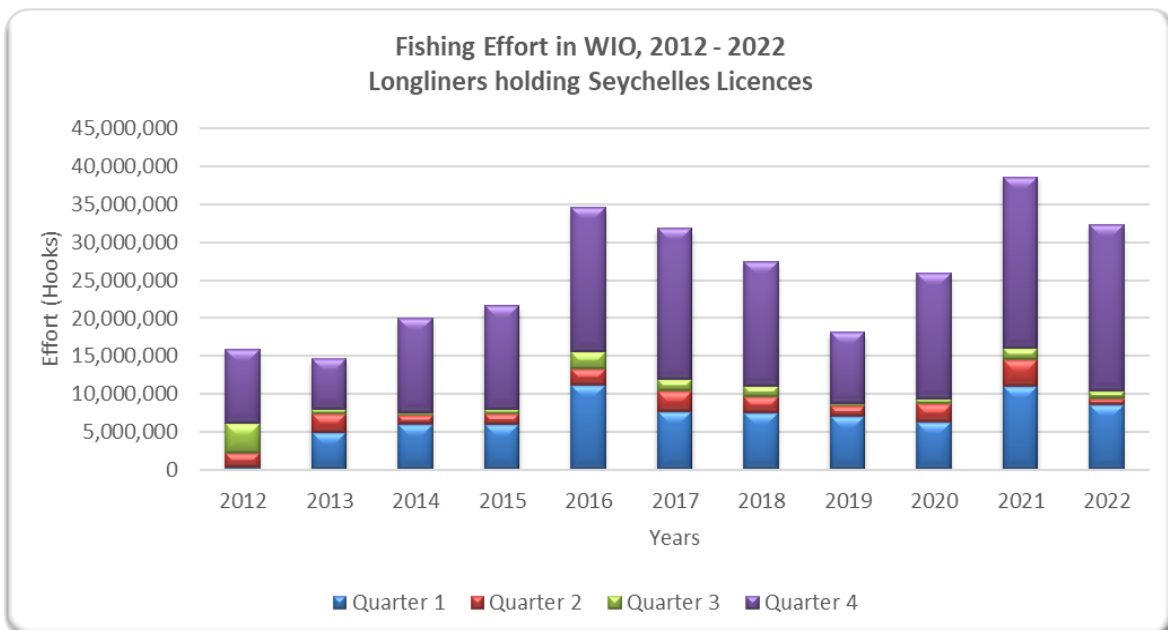


Figure 2E: Industrial Longliners fishing effort in the Seychelles EEZ by Year, 2012 - 2022

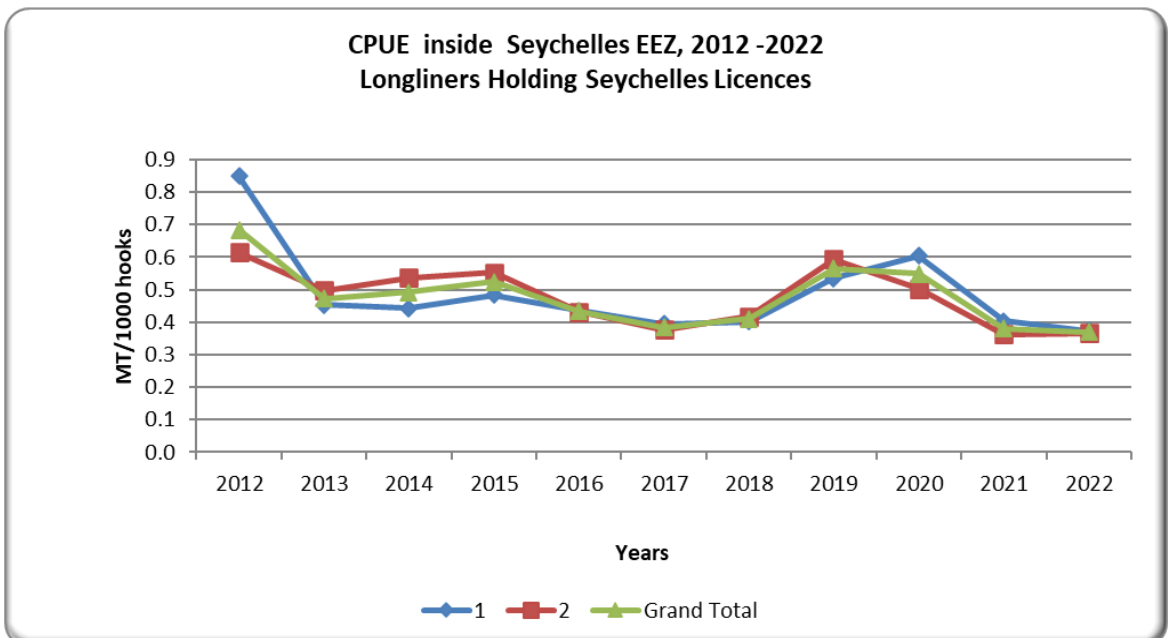


Figure 2F: Industrial Longliners CPUE in the Seychelles EEZ by Year, 2012 - 2022

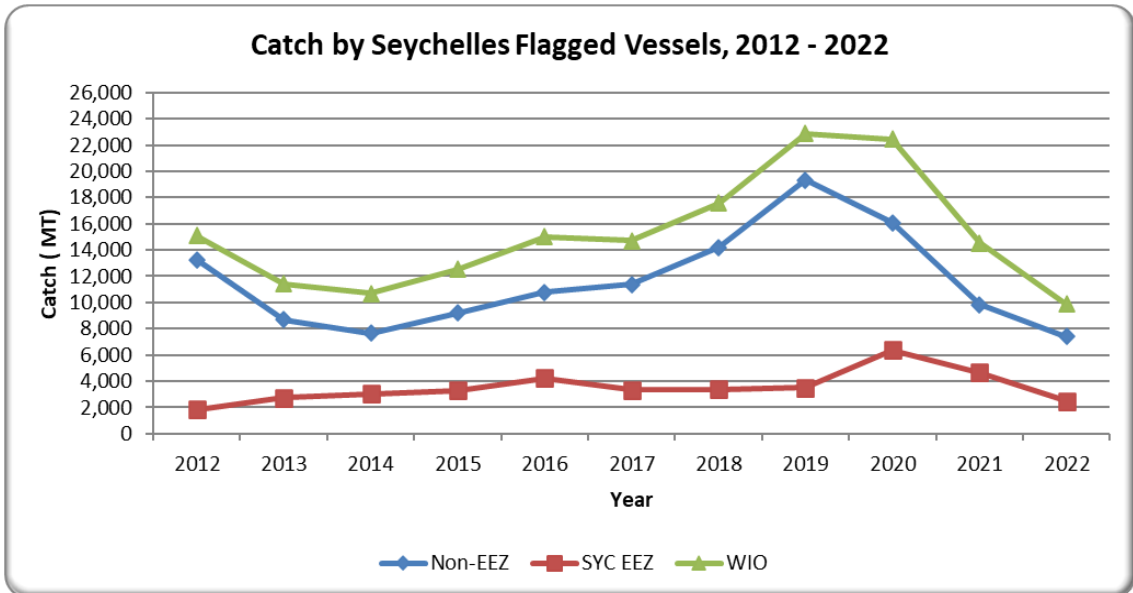


Figure 2G: Seychelles Flagged Longliners Catch, years 2012 -2022

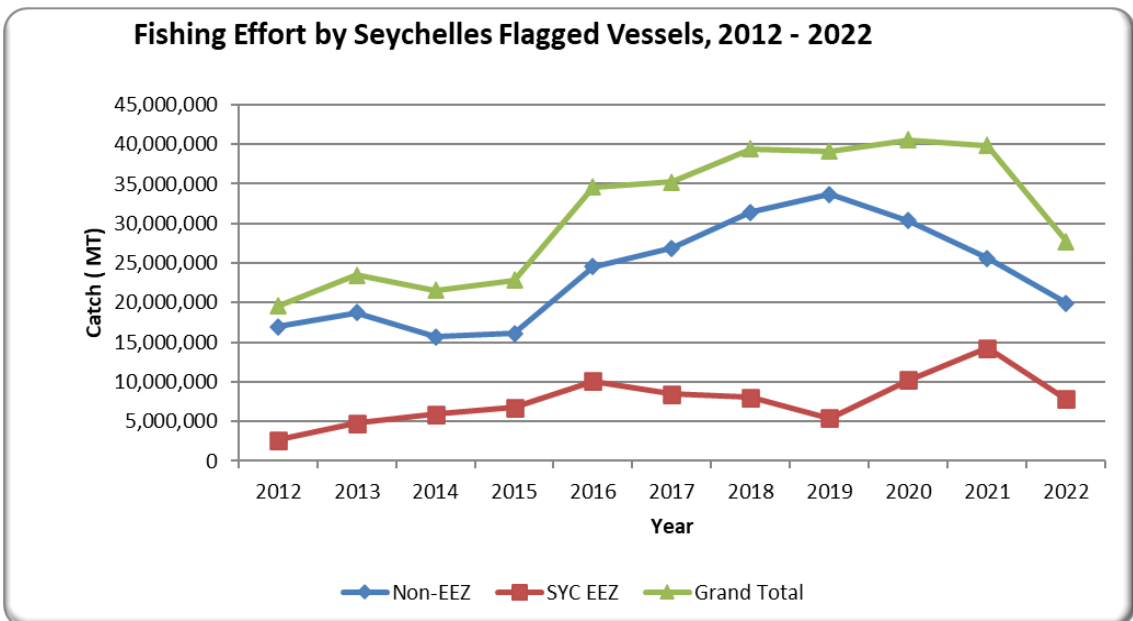


Figure 2H: Seychelles Flagged Longliners Effort, years 2012 -2022

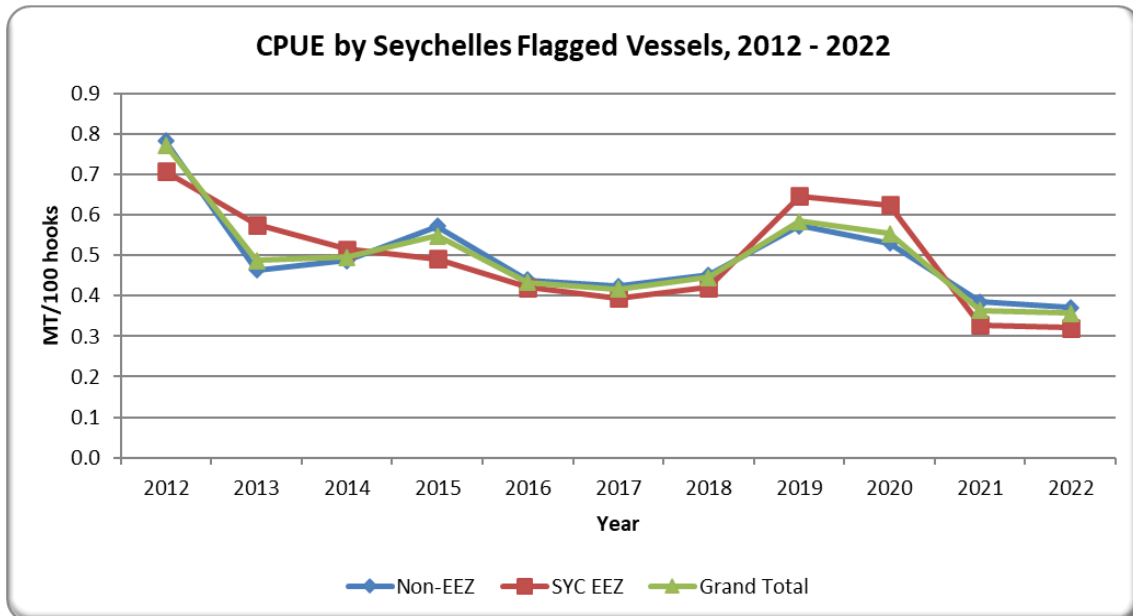
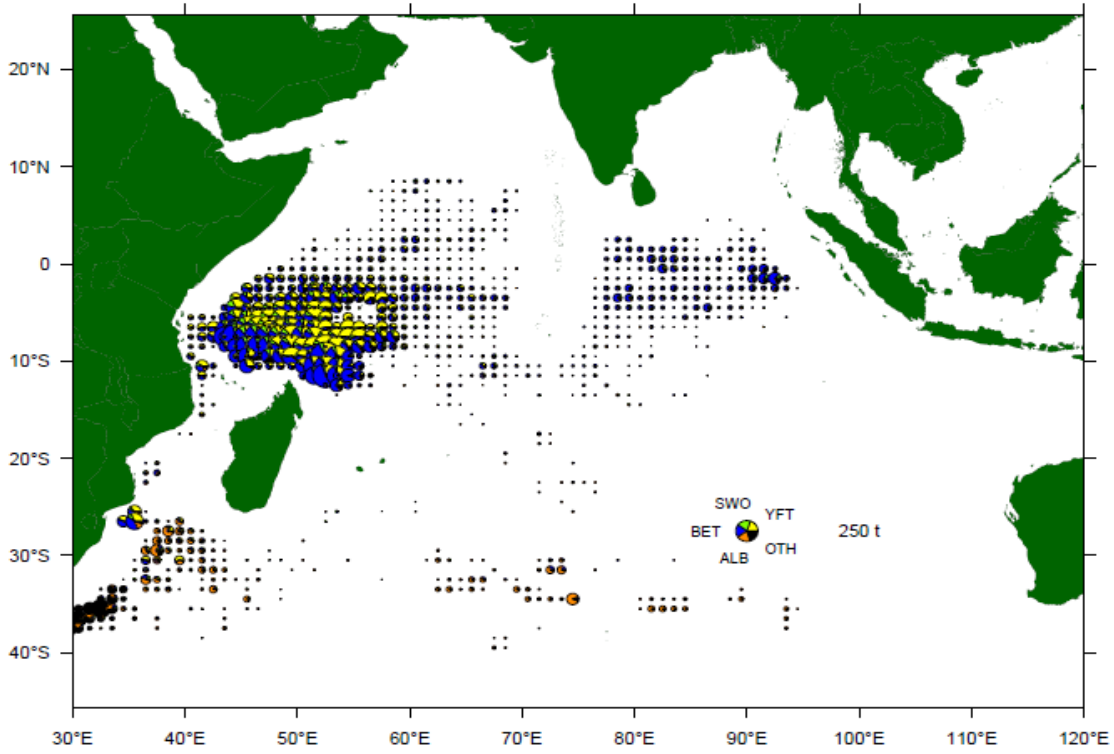


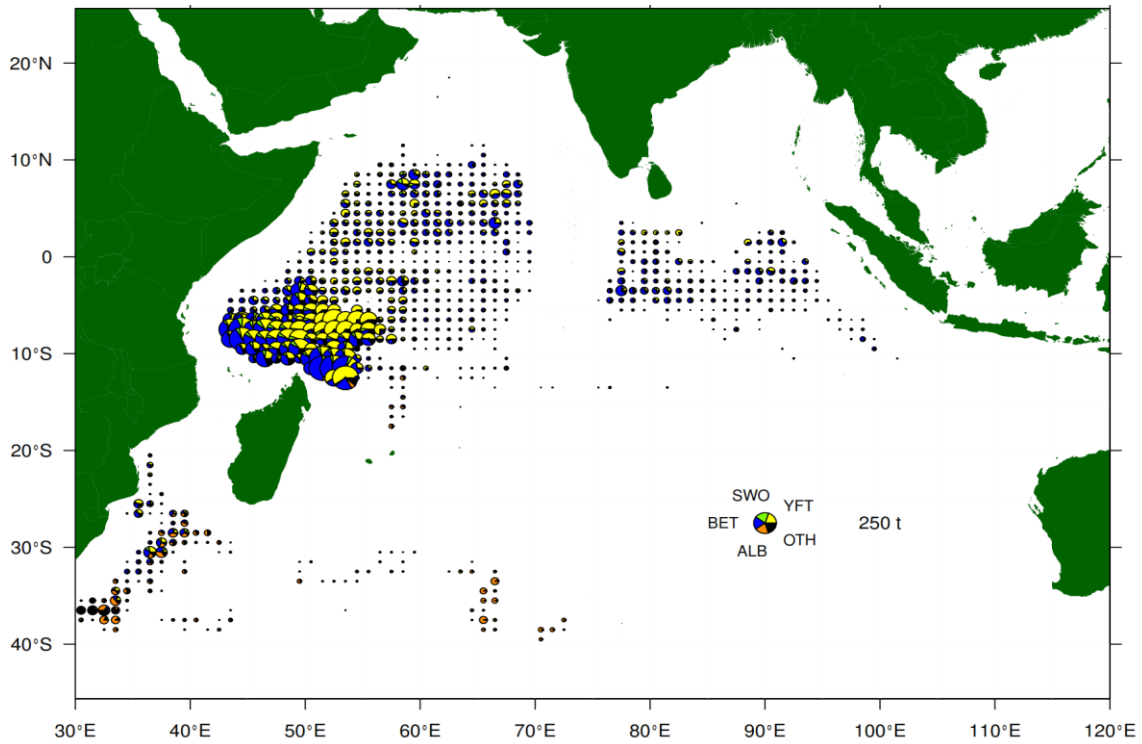
Figure 2I: Seychelles Flagged Longliners CPUE years 2012 -2022

Fishing Ground Exploited by Industrial Longliners

Map 2A. Industrial longliners fishing ground for Year 2021

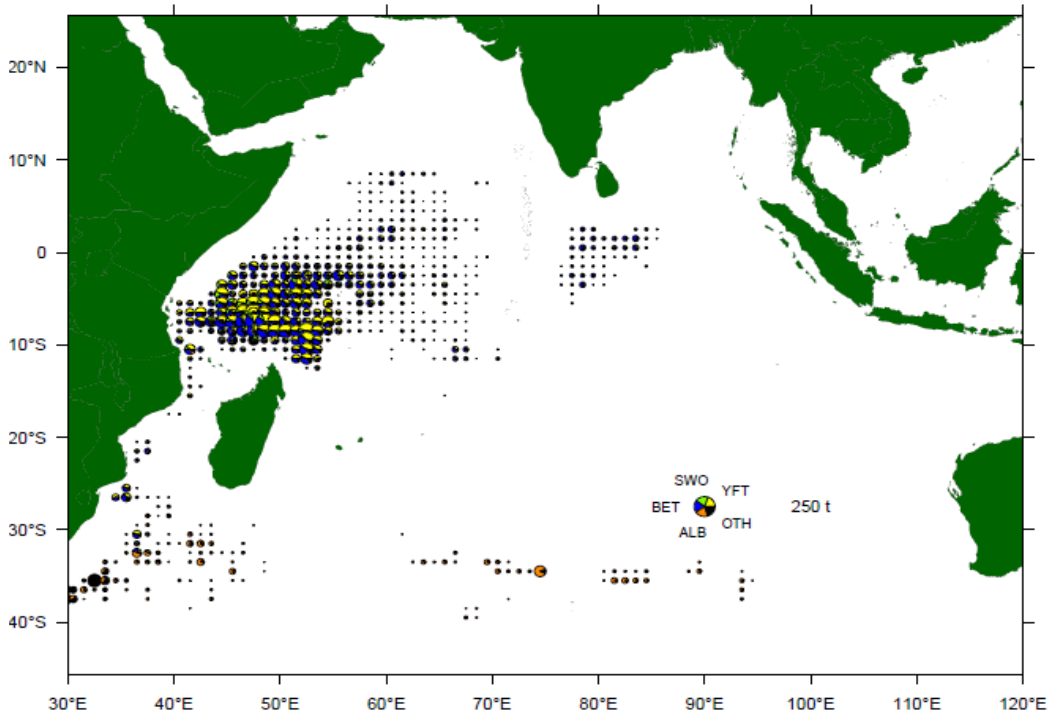


Map 2B. Industrial longliners fishing ground for Year 2022

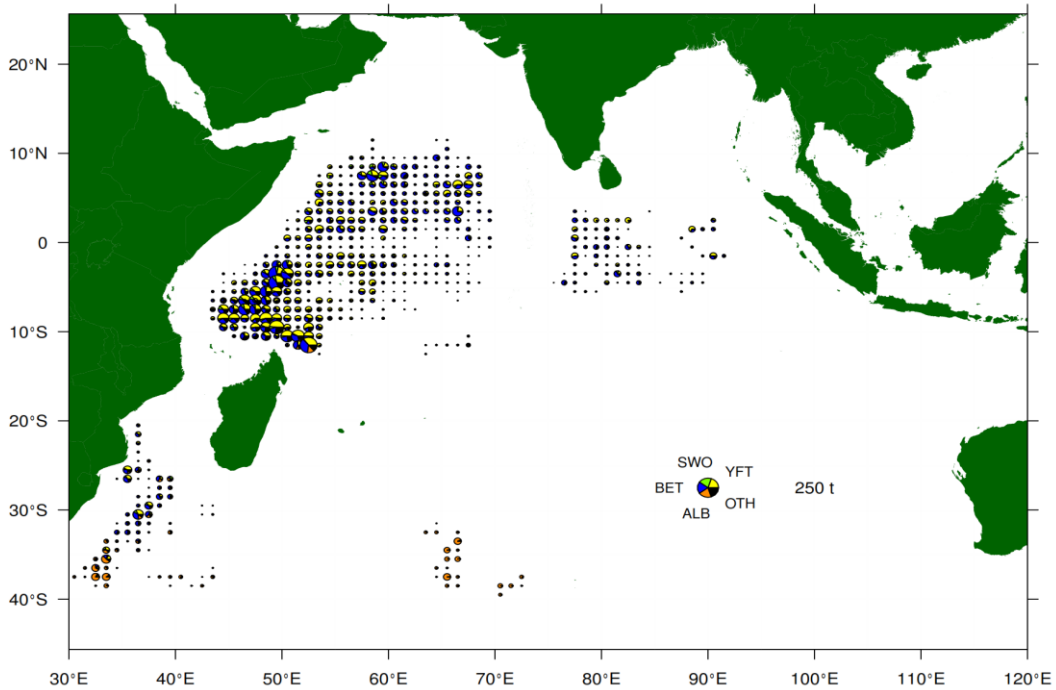


Fishing Ground Exploited by Industrial Longliners

Map 2C. Industrial longliners fishing ground for 1st Semester 2021

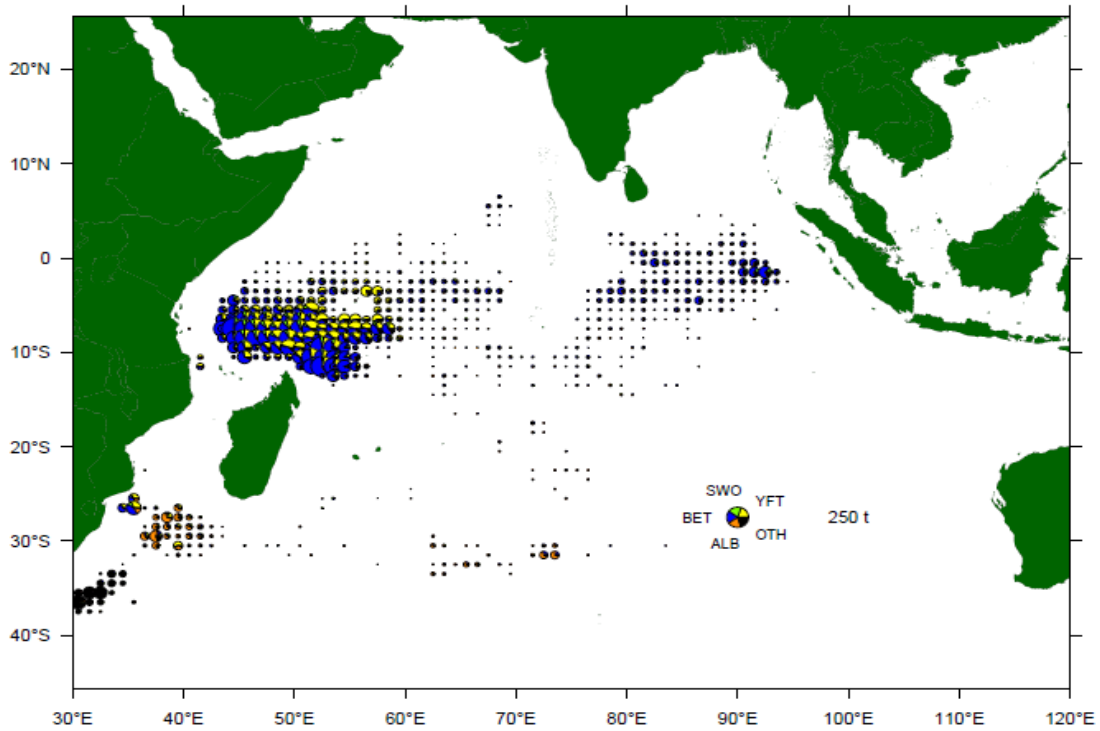


Map 2D. Industrial longliners fishing ground for 1st Semester 2022

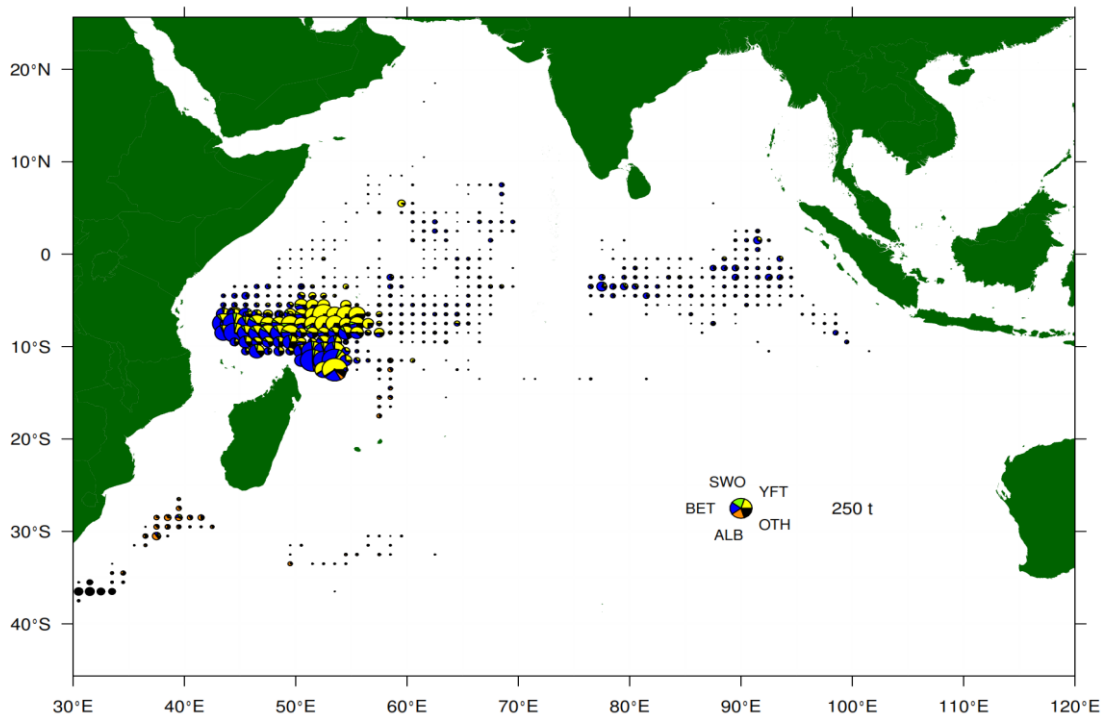


Fishing Ground Exploited by Industrial Longliners

Map 2E. Industrial longliners fishing ground for 2nd Semester 2021



Map 2F. Industrial longliners fishing ground for 2nd Semester 2022



Semi - Industrial Longline Fishery



3. SUMMARY OF SEMI INDUSTRIAL FISHERY

3.1. *Vessels Active and Trip Information*

- Readers should note that catches reported during year 2022 and 2021 relates to 100% logbook returned to SFA.
- Over the last 10 years, the number of vessels active in the semi-industrial longline fishery has increased significantly from 7 vessels active in 2012 to 41 vessels active in 2021. The total fishing trips also increased significantly from 63 trips in 2012 to 375 fishing trips in 2021. The average trip duration has increased from an average of 10 days per trip during the period 2012 to 2016 to an average of 14 days per trip during the last 5 years (table 3.0).
- The number of vessels active in the semi-industrial longline fishery increased by 12 vessels from 41 vessel active in 2021 to 53 vessels active during the year 2022.
- A total of 567 fishing trips targeting mainly tuna were conducted by 53 vessels in the year 2022. This represents an increase of 51% in number of trips targeting tuna and swordfish over the 375 fishing trips conducted in 2021 by 41 vessels (table 3.0).

3.2. *Fishing Effort, Catches and Catch Rate*

- The trend in semi-industrial longline catches over the last 10 years shows that the total catch has been on a decreasing trend from 271 MT in 2012 to reach a mere 82 MT in 2014. The catch has since then been on an increasing trend reaching a total of 2,008 MT in 2019. This was followed by a decrease of 26% to reach 1,485 in 2020 during the Covid19 pandemic where some semi industrial vessels switched to targeting demersal species. Catches increases in the year 2021 to a total of 1,759 MT (figure3A).
- Similar trend was observed in fishing effort in the Semi-industrial fishery. A decrease of 70% was reported in 2013 where the fishing effort dropped from 398,770 hooks in 2013 to 118,973 hooks in 2014. Like the catches, the fishing effort has since then been on an increasing trend to reach 2.5 million hooks in 2019, which then decreased by 20% during the covid19 pandemic in the year 2020. An increase of 36 % in fishing effort was the reported in 2021 (figure 3B).
- The CPUE fluctuated between 0.64 MT/1000 hooks and 0.95 MT/1000 hooks during the 2012 to 2019 period and has since then been on a downward trend (figure 3C).
- During the year 2022, the Semi industrial fishery reported a total catch of 2,073 MT, the highest catch recorded since the beginning of the fishery. This represent an increase of 18% in catches over the 1,758 MT reported for the year 2021, which was achieved from an increase of 80% in fishing effort where a total of around 5 million hooks were sets compared to 2.8 million hooks sets in 2021 (table 3.0).

Consequently the mean catch rate estimated for the year 2022 stands at 0.42 MT/ 1000 hooks compared to a mean catch rate of 0.64 MT/ 1000 hooks estimated for the previous year. This is by far the lowest catch rate reported since the beginning of the fishery.

3.3. Species Composition

- Historically Swordfish has been the main target species of the semi-industrial longline fishery (figure 3D). However, since 2015, yellowfin tuna replaced swordfish as the dominant species caught by the semi-industrial longline vessels. Yellowfin tuna has increased significantly from 15 MT in 2014 to reach 1572 MT in 2021. Increases were also observed in the catches of swordfish from 47MT in 2015 to 313 MT in 2019 whilst bigeye tuna increases from 33 MT to 119 MT during the same period. Both species recorded a decrease in catches to reach 99MT and 50 MT in 2021.
- During the year 2022, yellowfin tuna accounted for 93% of the total catch followed by swordfish, accounting for 3% of the total catch. Bigeye tuna, sailfish and marlin, each accounted for 1% of the total catch each (figure 3E). During the previous year, the semi-industrial catches was dominated by yellowfin tuna (89%) followed by swordfish (6%) and bigeye tuna (3%) (figure 3f).
- An increase in catches were observed in yellowfin tuna, marlin and shark, whilst bigeye, swordfish and sailfish recorded a decrease in 2022 compared to 2021. A record catch of 1920 MT of yellowfin tuna was reported to have been caught by the semi-industrial longliners in 2022, the highest yellowfin tuna catches recorded since the beginning of the fishery. This represents 22% increase over the 1,572 MT of yellowfin tuna reported for the same period the previous year. Marlin and shark also increased from 14 MT and 1 MT in 2021 to 28 MT and 10 MT respectively in 2022. However, swordfish and bigeye tuna catches decreased by 27% and 59% in 2022 when compared to the previous year.

TABLE 3.0 Time Series of Catch, Effort and Catch Rate Statistics of Semi-Industrial Longliners

(Database Closed on 30/06/2023)

Country: SEYCHELLES

Semester 1, Years 2012 - 2022

Year	Vessels		Mean Trip		Catch Rate (MT/1000 Hooks)	Catches							Total Catch (Mt)
	Covered (Number)	Trips (Number)	Duration (Days)	Effort (Hooks)		Yellowfin (Mt)	Bigeye (Mt)	Swordfish (Mt)	Sailfish (Mt)	Marlins (Mt)	Shark (Mt)	Others (Mt)	
2012	5	38	10	204,405	1.03	34	33	126	1	6	9	0	210
2013	6	44	11	251,560	0.68	28	18	112	2	4	8	0	172
2014	8	17	10	75,789	0.86	12	2	49	0	0	1	0	65
2015	8	20	11	90,610	0.86	32	10	29	2	4	1	0	78
2016	21	122	10	484,712	0.87	240	54	84	10	33	0	0	422
2017	29	184	12	1,140,966	0.54	397	44	119	17	37	0	5	620
2018	28	166	15	1,142,936	0.59	404	62	151	13	42	0	3	675
2019	34	217	15	1,428,369	0.79	751	91	226	9	44	0	2	1123
2020	35	150	13	968,136	0.75	604	29	79	1	5	0	7	725
2021	32	190	14	1,344,911	0.69	805	32	59	11	9	0	6	922
2022	48	262	17	2,437,913	0.37	830	9	39	9	19	1	2	908

Country: SEYCHELLES

Semester 2, Years 2012 - 2022

Year	Vessels		Mean Trip		Catch Rate (MT/1000 Hooks)	Catches							Total Catch (Mt)
	Covered (Number)	Trips (Number)	Duration (Days)	Effort (Hooks)		Yellowfin (Mt)	Bigeye (Mt)	Swordfish (Mt)	Sailfish (Mt)	Marlins (Mt)	Shark (Mt)	Others (Mt)	
2012	7	25	10	126,061	0.49	12	5	33	2	3	5	1	61
2013	6	24	10	147,210	0.61	27	6	50	2	1	4	0	90
2014	5	7	10	43,184	0.39	3	2	9	1	0	1	0	17
2015	9	36	10	114,894	1.01	66	23	18	3	7	0	0	116
2016	25	132	13	756,228	0.72	334	74	100	11	20	2	2	544
2017	26	146	14	916,910	0.53	315	72	72	7	21	2	1	488
2018	26	131	16	929,632	0.64	429	51	76	7	28	1	1	592
2019	34	180	14	1,120,972	0.79	756	28	86	4	12	0	0	886
2020	26	156	14	1,061,580	0.72	673	27	56	2	2	0	0	760
2021	39	185	15	1,412,882	0.59	767	18	39	7	5	0	0	836
2022	50	305	16	2,521,771	0.46	1090	12	33	6	9	9	7	1165

Country: SEYCHELLES

Year: 2012 - 2022

Year	Vessels		Mean Trip		Catch Rate (MT/1000 Hooks)	Yellowfin (Mt)	Bigeye (Mt)	Swordfish (Mt)	Catches				Total Catch (Mt)
	Covered (Number)	Trips (Number)	Duration (Days)	Effort (Hooks)					Sailfish (Mt)	Marlins (Mt)	Shark (Mt)	Others (Mt)	
2012	7	63	10	330,466	0.82	47	38	159	3	9	14	1	271
2013	6	68	11	398,770	0.66	55	24	162	3	5	12	0	262
2014	9	24	10	118,973	0.69	15	5	58	1	1	2	0	82
2015	11	56	11	205,505	0.95	98	33	47	5	11	1	0	195
2016	28	254	11	1,240,940	0.78	574	128	184	21	53	2	2	966
2017	31	330	13	2,057,876	0.54	711	116	191	24	58	2	6	1108
2018	30	297	15	2,072,568	0.61	833	113	226	20	70	1	4	1267
2019	36	397	14	2,549,341	0.79	1507	119	313	13	55	0	2	2008
2020	35	306	14	2,029,716	0.73	1277	55	135	3	7	0	7	1485
2021	41	375	15	2,757,793	0.64	1572	50	99	17	14	1	7	1758
2022	53	567	17	4,959,684	0.42	1920	20	72	14	28	10	9	2073

TABLE 3.1 Monthly Catch, Effort and Catch Rate Statistics of Semi-Industrial Longliners

(Database Closed on 30/06/2023)

Country: SEYCHELLES

Year: 2021

Month	Vessels			Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin (Mt)	Bigeye (Mt)	Swordfish (Mt)	Catch				Total Catch (Mt)
	Covered (Number)	Trips (Number)	Duration (Days)						Sailfish (Mt)	Marlins (Mt)	Shark (Mt)	Others (Mt)	
Jan	24	28	16	201500	0.43	79	2	7	0	0	0	0	87
Feb	22	23	19	153,362	0.28	28	4	8	0	1	0	1	42
Mar	24	29	14	217,143	0.58	88	17	17	1	2	0	0	125
Apr	26	41	13	267,817	0.91	215	5	12	7	3	0	1	243
May	25	36	12	264,815	1.01	250	3	10	2	1	0	2	267
Jun	25	33	14	240,274	0.66	146	3	6	1	1	0	2	158
Jul	15	18	14	151,226	0.36	49	1	5	1	0	0	0	55
Aug	16	21	15	145,080	0.67	82	3	8	2	1	0	0	97
Sep	20	20	19	166,897	0.45	63	6	6	0	0	0	0	75
Oct	26	37	16	249,353	0.66	150	4	10	0	1	0	0	165
Nov	32	40	15	330,124	0.65	201	4	9	2	2	0	0	216
Dec	34	49	14	370,202	0.62	223	0	2	1	1	0	0	228
Annual	24	375	15	2,757,793	0.64	1572	50	99	17	14	1	7	1758
Quarter 1	23	80	16	572,005	0.44	195	22	31	1	4	0	1	254
Quarter 2	25	110	13	772,906	0.86	611	10	28	10	5	0	5	668
Quarter 3	17	59	16	463,203	0.49	193	10	19	3	1	0	0	227
Quarter 4	31	126	15	949,679	0.64	574	8	21	3	4	0	0	609
First Semester	24	190	15	1,344,911	0.69	805	32	59	11	9	0	6	922
Second Semester	24	185	16	1,412,882	0.59	767	18	39	7	5	0	0	836

Country: SEYCHELLES

Year: 2022

Month	Vessels		Mean Trip Duration (Days)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin (Mt)	Bigeye (Mt)	Swordfish (Mt)	Catches				Total Catch (Mt)
	Covered (Number)	Trips (Number)							Sailfish (Mt)	Marlins (Mt)	Shark (Mt)	Others (Mt)	
Jan	25	26	14	280185	0.37	95	1	6	1	1	0	0	105
Feb	33	45	17	293,829	0.29	75	2	4	1	2	0	0	84
Mar	39	53	18	436,201	0.39	155	1	6	1	5	0	0	168
Apr	42	49	17	544,540	0.48	249	2	5	1	6	0	0	263
May	40	51	19	490,115	0.34	151	2	9	3	3	0	0	168
Jun	37	38	17	393,043	0.31	105	2	8	2	1	1	2	120
Jul	33	50	16	381,391	0.37	130	3	4	1	0	1	2	142
Aug	25	37	15	317,284	0.44	130	2	4	1	0	1	1	139
Sep	35	50	14	343,812	0.69	229	2	4	1	1	1	1	239
Oct	44	59	17	472,058	0.46	209	1	5	0	1	1	1	219
Nov	42	50	18	504,696	0.43	200	2	10	1	2	3	1	219
Dec	44	59	17	502,530	0.41	192	2	6	3	4	1	0	208
Annual	37	567	17	4,959,684	0.42	1920	20	72	14	28	10	9	2073
Quarter 1	32	124	16	1,010,215	0.35	325	4	16	3	8	0	0	357
Quarter 2	40	138	17	1,427,698	0.39	505	5	23	5	11	1	2	552
Quarter 3	31	137	15	1,042,487	0.50	489	7	13	2	1	4	5	519
Quarter 4	43	168	17	1,479,284	0.44	602	5	20	4	8	5	2	645
First Semester	36	262	17	2,437,913	0.37	830	9	39	9	19	1	2	908
Second Semester	37	305	16	2,521,771	0.46	1090	12	33	6	9	9	7	1165

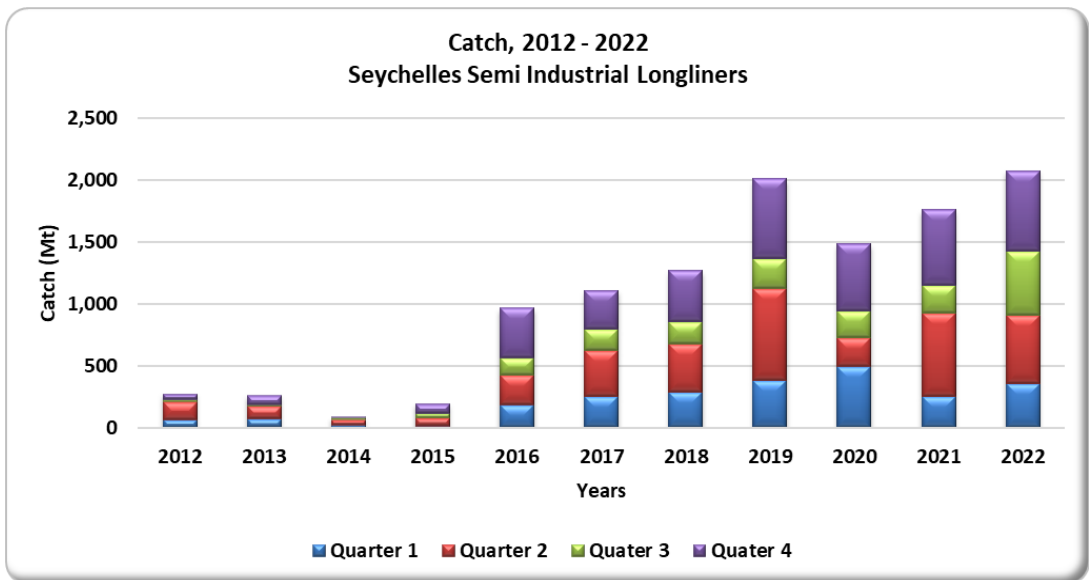


Figure 3A: Semi-Industrial Longliners Total catch by Year, 2012 - 2022

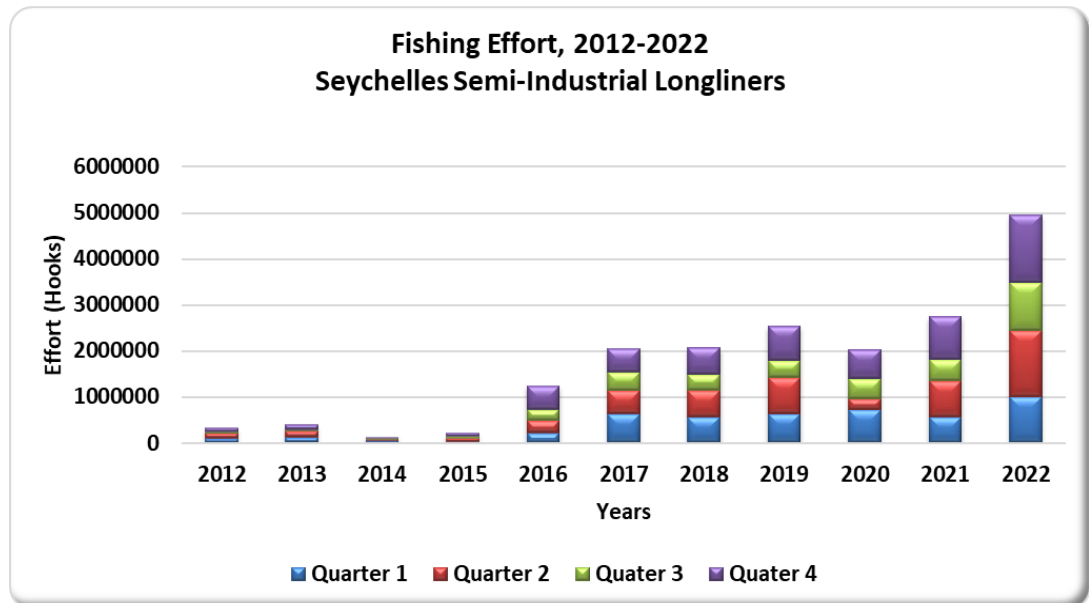


Figure 3B: Semi-Industrial longliners fishing effort by Year, 2012 - 2022

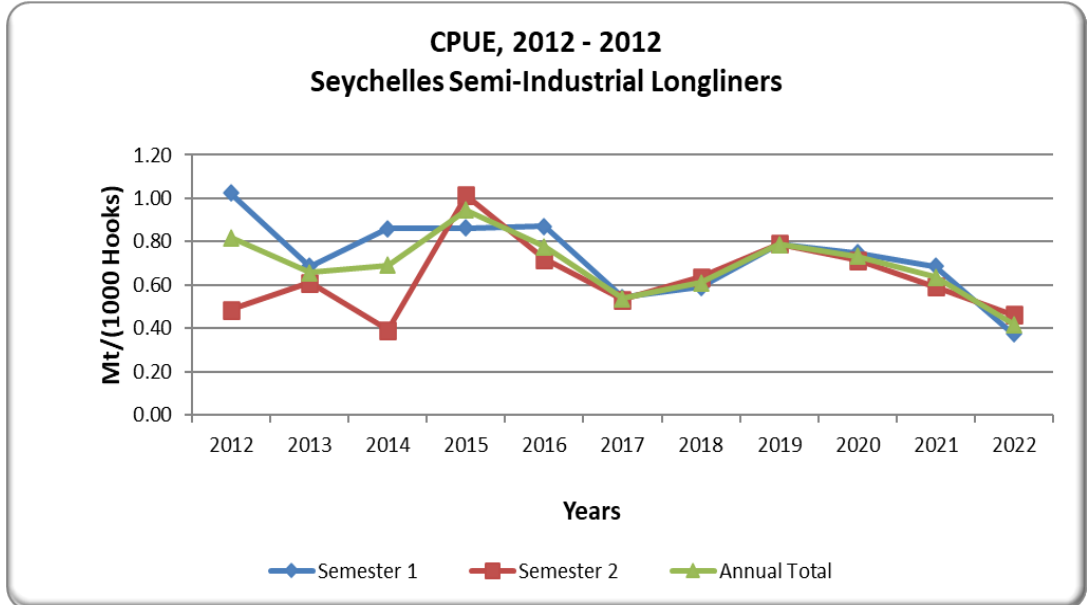


Figure 3C: Semi-Industrial Longliners CPUE by Year, 2012 - 2022

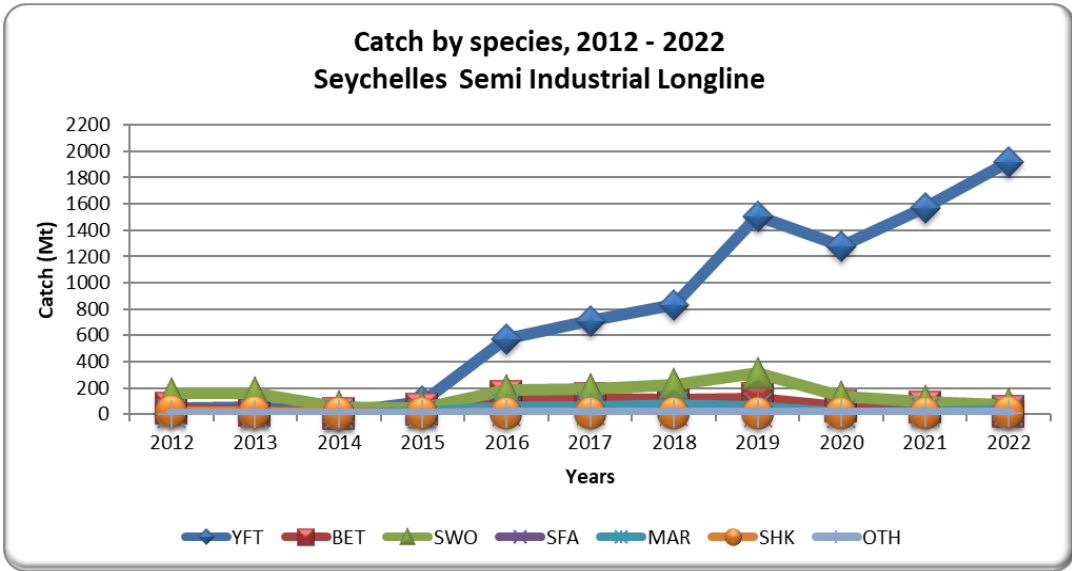


Figure 3D: Semi-Industrial Longliners catch by species by Year, 2012 - 2022

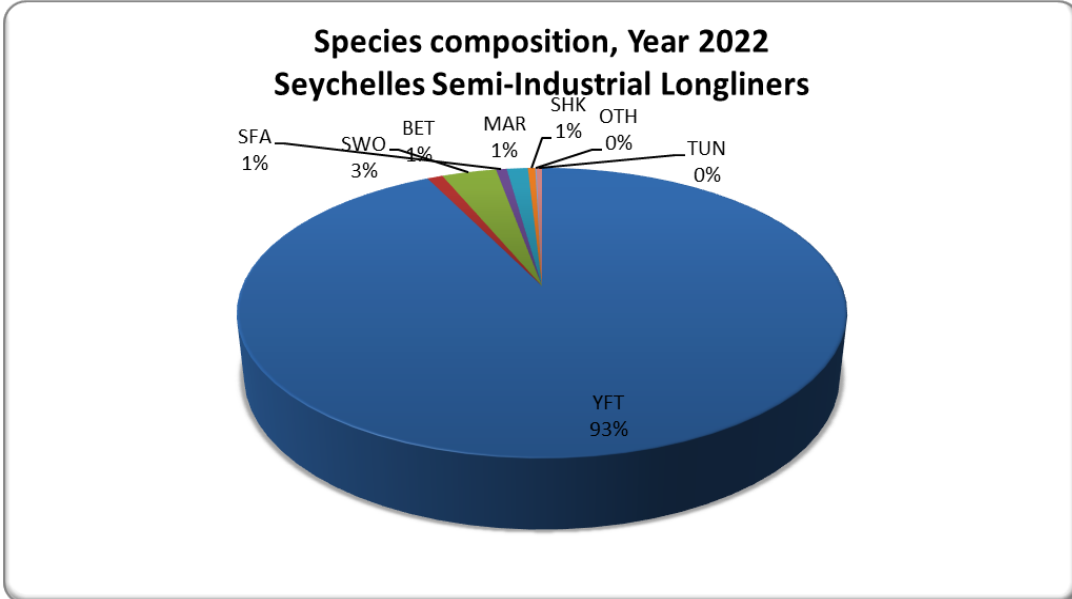


Figure 3E: Semi-Industrial longliners species composition, Year 2022

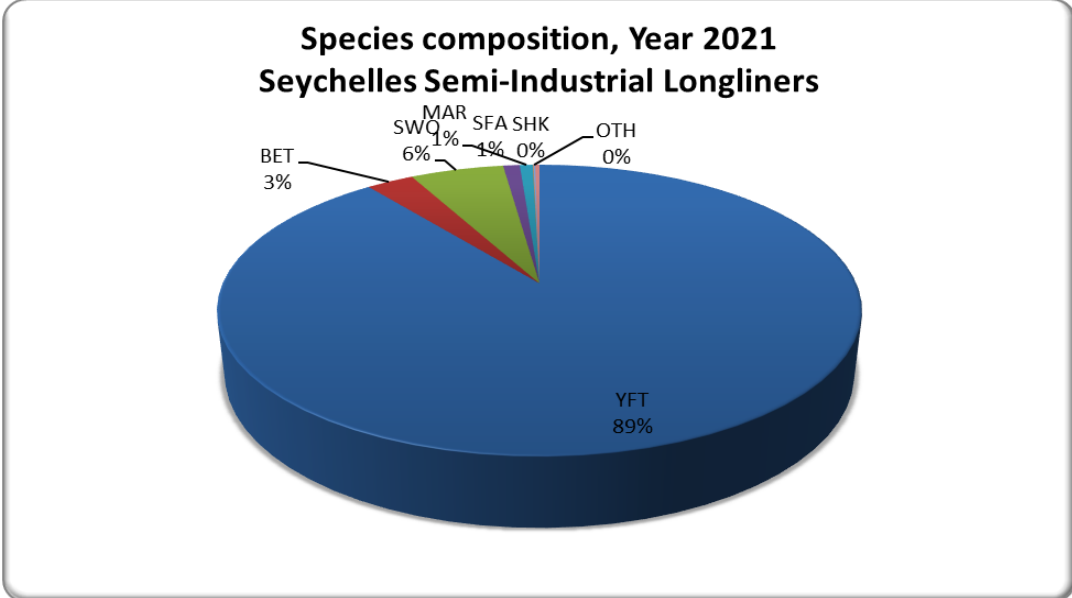


Figure 3F: Semi-Industrial longliners species composition, Year 2021

Artisanal Fishery



Pirogue



Whaler



Mini Mahe



Lekonomie



Lavenir



Schooners



4. SUMMARY OF ARTISANAL FISHERY

4.1. *Vessel Active*

- The historical trend shows the mean number of boats operating per month from the year 2011 to 2016 has remained stable averaging to 439 vessels operating per month. The mean number of boats active has since then been on a decreasing trend reaching only 338 boats active per month in 2020 (Table 4.1A).
- The mean number of boats operating in the artisanal fishery, during the year 2021 has decreased significantly to a mere 297 boats active per month when compared to a mean of 338 boats active per month during the previous Year (Table 4.1B). The highest decrease was observed in mean number of semi-industrial vessels targeting demersal species using mostly dropline fishing gear, which dropped from an average of 11 vessels active in the year 2020 to a mean of only 1 vessel active per month in 2021. The mean number of schooners, whalers and outboard active per month also recorded a decrease of 17%, 8% and 7 % respectively, when compared to the previous year. This may be due to the impact of the Covid19 pandemic.
- In terms of vessel type, 64% of the fleets were outboard vessels, 19% were whalers and 14% were schooners during the year 2021 compared the previous year were 62% 18% and 15% of the mean artisanal fleet active were outboard, whalers and schooners. (Table 4.1B).

4.2. *Catch Statistic by Vessel Type*

- Time series of catches shows that catches have remained the same with an average of 2,689 MT per year between 2011 and 2012 (Table 4.2 and Figure 4A). This may have been due to piracy threat in the Indian Ocean. During 2013, the artisanal total catch increased considerably by 66%, returning to the pre-2009 level where a total of 4,150 MT of fish was landed. Since then, the catches have been on a decreasing trend. However, in the year 2017, the catches of the artisanal fishery increased significantly by 73% to reach a peak of 4,356 MT and has remained stable for the last three years. This significant increase could be attributed to the increasing number of schooners (bigger boats) in the fleet and the significant increase in fishing effort during year 2017 to 2019. A decrease of 22% was observed, in the catch for 2020 to reach 3,460 MT. The decrease corresponds to the decrease in mean number of boats active during the same year and may also be attributed to the Covid19 pandemic.
- During the year 2021, the total artisanal catches increased significantly by 32% to reach 4,581.6 MT, compared to a total catch recorded during the previous year. It must be noted that 2022 catch is highest catch recorded in the last 10 years (figure 4A).
- Historically, Outboard accounted for the higher proportion of the artisanal catches and the same was observed in the year 2021 where outboard, schooners and whalers accounted for 50%, 28% and 21% of the total artisanal catches respectively. During the

year 2020 outboard, schooners and whalers represented 55%, 21% and 16% of the total artisanal catches respectively. It can be observed that since the year 2019, schooners has replaced whalers as the vessels accounting for the second highest proportion of the catches (Table 4.2A).

4.3. Catch Statistics by Gear Type

- Trend analysis of catches by gear type shows that handline fisheries historically dominated artisanal catches followed by encircling gillnet (Table 4.3 and Figure 4C). It must be noted that from the year 2017, in the new data management software for artisanal fishery catches for 'handline and traps' gear category has been captured and processed as separate gears and has been accounted for under 'handline' and 'trap' accordingly.
- Typical of previous years, the handline fishery dominated artisanal fisheries catches, accounting for 71% of total landings during the year 2021. However static trap replaced encircling gillnet as the second dominant gear accounting for 12%, followed by encircling gillnet accounting for 10% of the total catches. Increased in catches were observed amongst most fisheries except for encircling gillnet and 'other fishery'. Remarkable increases of 121%, 92% and 85% were observed in catches by harpoon, static trap and active trap fisheries in year 2021, compared to 2020.

4.4. Catch Statistics by Species

- Between 2011 and 2013, artisanal catches have been dominated by carangues, maquereau doux, bourgeois and job and maquereau doux accounting on average 28%, 13%, 11% and 11% of artisanal catch per year respectively (Table 4.4). Trend analysis shows between 2014 and 2016, catches of carangues, maquereau doux and job has fluctuated between years whilst catches of bourgeois has been on a declining trend (Figure 4D – 4I). However, in 2017 most species record increase in catches except for cordonier which has been on a decreasing trend since 2016.
- During the year 2021, increase in catches were observed across almost all species group with except for catches of other mackerel, other pelagic, carangues and shark & rays which decreased by 82% , 68% ,11% and 1% respectively. The most remarkable increase in catches were observed in the crab fishery which increased from 9 MT in 20220 to 115.6 MT in 2021. Significant increases were also observed in bourgeois (172%), octopus (123%), becune (114%) and cordonier (106%).
- The most important species groups landed during the year 2021 were carangues (22%), bourgeois (14%) and job (13%). During the previous year, the artisanal catches were dominated by carangues (33%), job (14%) and maquereau doux (9%) (Figure 4K).

4.5. Fishing Effort by Vessel Type and Gear Type

- Time series of effort shows that since 2013 the handline fishery effort has been on a decreasing trend to reach 35,286 men-days in 2016, followed by an increasing trend to reach 88,902 men-days in 2017 and has since then been on a decreasing trend (Table 4.5 and Figure 4M). Fishing effort for trap fishery has been on a decreasing trend reaching 74,963 traps set in 2015 followed by an increasing trend to reach a remarkable 148,022 traps sets in 2017 (Figure 4N). For net fishery, the fishing effort has been fluctuating over the last 10 years (Figure 4O).
- During the year 2021, the total effort for handline fishery in terms of men-days is estimated at 96,834 men-days representing a 52% increase in effort from the estimated 65,740 men-days during the same period in the year 2020. Increase in fishing effort (men-days) by schooners, whalers and outboard were 83%, 80% and 15% respectively whilst effort by 'other' Vessels in handline fishery decreased by 29%.
- The estimated effort for trap fishery increased by 53% from 83,303 traps sets in 2020 to 128,754 traps set during 2021. An increase of 53% and 22% were observed in number of traps by outboard and by 'other' vessels respectively.
- The net fishery recorded a 89% decrease in fishing effort in 2021 where a total of 2421 sets were made compared a total of 2008 sets made during the previous year.

4.6. Catch Rate by Vessel Type and Gear Type

- Time series of catch rate shows that between 2011 and 2016, catch rate by artisanal boats conducting handline fishery fluctuated between 39.7 kg/men-day and 62.7 kg/men-day. In 2017, the catch rate drops to 29.9 kg/ men-day and has since then been on the increase (Table 4.6 and Figure 4S). CPUE for trap fishery has been on an increasing trend reaching 6.0 kg/trap in 2016 and has decreased has since then fluctuated between 3.8 kg/trap to 4.4 kg/trap since 2017. (Figure 4T). Catch rate for net fishery has fluctuated over the last 10 years and (Figure 4U).
- The catch rate for handline fishery decreased from 37.2 kg/ men-day during 2020 to an estimated 33.7 kg/ men day in the year 2021. Decrease in handline catch rate were observed by schooners, whalers and outboard whilst catch rate in handline fishery increased by the 'other' vessels category.
- During 2021, the CPUE for the trap fishery is estimated at 5.1 kg/ trap compared to 4.1 kg/ trap during the previous year with the highest catch rate recorded by 'other' vessels category, estimated at 9.2 kg/trap.
- The catch rate for net fishery decreases from 232.2 kg/set in 2020 to 185.7 kg/set during the year 2021 (Table 46).

TABLE 4.1A Mean Number of boats operating by Month

(Database Closed on 06/11/23)

Years: 2011 - 2021

Vessel Type	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Fishermen on Foot	26	26	7	4	15	2	0	0	0	0	0
Pirogue	10	9	9	7	7	7	1	1	1	1	1
Outboard	270	283	287	298	305	356	253	274	262	208	191
Inboard	0		1	1	1	1	0	0	0	0	0
Whaler	96	96	99	95	94	94	67	65	61	61	57
Schooner	21	22	20	19	18	13	44	44	49	51	42
Semi Industrial Longliner*	1	2	2	4	5	3	1	2	1	11	1
Others**	0	0	0	0	0	0	3	3	5	6	5
Annual	424	438	425	428	445	476	369	389	379	338	297

* Semi-industrial longliners conducting artisanal fishing trips

**Vessels that recently joined the fishery but based on characteristics does not fall into any of the above category.

TABLE 4.1B Mean Number of boats operating by Month

(Database Closed on 06/11/23)

Country: SEYCHELLES

Year: 2020

Month	Pirogue	Outboard	Others	Whaler	Schooner	Semi Industrial Longliner*	Total
Jan	0	281	6	54	46	14	401
Feb	0	233	9	63	48	9	362
Mar	0	204	5	48	44	14	315
Apr	0	124	3	38	30	5	200
May	0	124	5	48	41	13	231
Jun	0	192	4	54	50	11	311
Jul	0	245	4	69	48	9	375
Aug	0	225	6	56	41	10	338
Sep	1	218	6	72	61	12	370
Oct	1	246	4	67	58	9	385
Nov	0	209	8	86	77	14	394
Dec	0	190	6	76	71	12	355
Annual	1	208	6	61	51	11	337
Quarter 1	0	239	7	55	46	12	359
Quarter 2	0	147	4	47	40	10	247
Quarter 3	1	229	5	66	50	10	361
Quarter 4	1	215	6	76	69	12	378
First Semester	0	193	5	51	43	11	303
Second Semester	1	222	6	71	59	11	370

* Semi-industrial longliners conducting artisanal fishing trips

Country: SEYCHELLES

Year: 2021

Month	Pirogue	Outboard	Others	Whaler	Schooner	Semi Industrial Longliner*	Total
Jan	1	146	4	53	42	0	246
Feb	1	191	6	56	40	0	294
Mar	1	215	7	61	45	0	329
Apr	1	210	4	64	48	1	328
May	1	196	4	62	42	0	305
Jun	1	183	5	56	39	0	284
Jul	1	204	4	52	40	0	301
Aug	1	192	6	55	44	0	298
Sep	0	186	4	55	36	0	281
Oct	0	199	2	50	41	1	293
Nov	0	178	4	59	43	0	284
Dec	0	195	6	56	45	0	302
Annual	1	191	5	57	42	1	297
Quarter 1	1	184	6	57	42	0	290
Quarter 2	1	196	4	61	43	1	306
Quarter 3	1	194	5	54	40	0	293
Quarter 4	0	191	4	55	43	1	293
First Semester	0	190	5	59	43	0	298
Second Semester	0	192	4	55	42	0	293

* Semi-industrial longliners conducting artisanal fishing trips

TABLE 4.2 Time series of Catch Statistics for Artisanal Fishery by Vessel Type

(Database Closed on 06/11/23)

Country: Seychelles

Semester 1, Years 2011 - 2021

Month	Catch (Mt)								Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²
2011	4.4	6.7	557.0	0.0	605.9	259.2	20.1	1453.3	0%	0%	38%	0%	42%	18%	1%
2012	6.6	11.8	669.3	0.0	353.7	231.7	10.3	1283.5	1%	1%	52%	0%	28%	18%	1%
2013	5.7	16.9	575.0	0.0	965.7	223.3	24.9	1811.5	0%	1%	32%	0%	53%	12%	1%
2014	3.0	29.4	776.0	0.0	849.7	289.9	67.3	2015.4	0%	1%	39%	0%	42%	14%	3%
2015	0.7	11.6	636.4	0.0	533.3	183.6	75.0	1440.6	0%	1%	44%	0%	37%	13%	5%
2016	1.6	9.2	766.0	0.0	535.7	152.0	8.7	1473.3	0%	1%	52%	0%	36%	10%	1%
2017	0.0	10.6	1102.3	38.6	383.3	338.9	29.8	1903.6	0%	1%	58%	2%	20%	18%	2%
2018	0.0	4.7	1348.5	57.1	476.3	312.6	75.6	2274.7	0%	0%	59%	3%	21%	14%	3%
2019	0.0	8.5	1447.0	69.5	476.6	509.6	8.7	2519.9	0%	0%	57%	3%	19%	20%	0%
2020	0.0	0.0	996.8	46.6	249.6	438.9	100.8	1832.7	0%	0%	54%	3%	14%	24%	5%
2021	0.0	3.7	1142.3	54.3	521.7	546.2	5.0	2273.3	0%	0%	50%	2%	23%	24%	0%

¹ Schooner catches include schooner handline and other gears such as dropline

² Semi-industrial longliners conducting artisanal fishing trips excluding semi industrial fishery Longline sets

Country: Seychelles

Semester 2, Years 2011 - 2011

Month	Catch (Mt)								Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²
2011	5.6	8.4	392.5	0.0	880.4	126.8	3.9	1417.6	0%	1%	28%	0%	62%	9%	0%
2012	6.6	12.5	598.8	0.0	416.6	173.2	15.3	1222.9	1%	1%	49%	0%	34%	14%	1%
2013	5.1	26.8	946.7	0.0	1174.3	156.6	29.3	2338.8	0%	1%	40%	0%	50%	7%	1%
2014	2.8	27.2	684.2	0.0	609.6	230.7	62.7	1617.1	0%	2%	42%	0%	38%	14%	4%
2015	2.0	9.0	813.8	0.0	760.0	86.4	102.5	1773.6	0%	1%	46%	0%	43%	5%	6%
2016	1.3	3.7	543.4	0.0	423.0	71.2	0.0	1042.5	0%	0%	52%	0%	41%	7%	0%
2017	0.0	5.5	1552.4	47.0	492.1	306.8	48.8	2452.6	0%	0%	63%	2%	20%	13%	2%
2018	0.0	10.9	984.3	56.0	413.2	373.1	74.6	1912.0	0%	1%	51%	3%	22%	20%	4%
2019	0.0	2.5	1081.6	23.8	339.5	426.4	17.4	1891.2	0%	0%	57%	1%	18%	23%	1%
2020	0.0	8.5	901.1	38.4	317.7	294.0	67.7	1627.3	0%	1%	55%	2%	20%	18%	4%
2021	0.0	1.4	1130.3	23.9	423.0	729.7	0.0	2308.3	0%	0%	49%	1%	18%	32%	0%

¹ Schooner catches include schooner handline and other gears such as dropline

² Semi-industrial longliners conducting artisanal fishing trips excluding semi industrial fishery Longline sets

Country: Seychelles

Years 2011 - 2021

Month	Catch (Mt)								Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²
2011	10.1	15.2	949.5	0.0	1486.3	386.0	23.9	2871.0	0%	1%	33%	0%	52%	13%	1%
2012	13.2	24.2	1268.2	0.0	770.3	405.0	25.6	2506.4	1%	1%	51%	0%	31%	16%	1%
2013	10.8	43.7	1521.7	0.0	2140.1	379.8	54.2	4150.4	0%	1%	37%	0%	52%	9%	1%
2014	5.8	56.6	1460.2	0.0	1459.2	520.6	130.0	3632.5	0%	2%	40%	0%	40%	14%	4%
2015	2.6	20.5	1450.3	0.0	1293.3	270.0	177.5	3214.2	0%	1%	45%	0%	40%	8%	6%
2016	2.9	12.9	1309.4	0.0	958.7	223.2	8.7	2515.8	0%	1%	52%	0%	38%	9%	0%
2017	0.0	16.1	2654.8	85.7	875.4	645.7	78.6	4356.2	0%	0%	61%	2%	20%	15%	2%
2018	0.0	15.5	2332.9	113.1	889.5	685.6	150.1	4186.7	0%	0%	56%	3%	21%	16%	4%
2019	0.0	11.0	2528.6	93.3	816.1	936.1	26.1	4411.1	0%	0%	57%	2%	19%	21%	1%
2020	0.0	8.5	1897.9	85.0	567.3	732.9	168.5	3460.0	0%	0%	55%	2%	16%	21%	5%
2021	0.0	5.1	2272.6	78.2	944.8	1275.9	5.0	4581.6	0%	0%	50%	2%	21%	28%	0%

¹ Schooner catches include schooner handline and other gears such as dropline

² Semi-industrial longliners conducting artisanal fishing trips excluding semi industrial fishery Longline sets

TABLE 4.2A Monthly Catch Statistics for Artisanal Fishery by Vessel Type

(Database Closed on 06/11/23)

Country: Seychelles Year: 2020

Month	Catch (Mt)							Catch (%)							
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²
JAN	0.0	0.0	269.5	10.3	80.5	141.9	37.0	539.2	0%	0%	50%	2%	15%	26%	7%
FEB	0.0	0.0	254.8	9.7	76.8	110.2	1.0	452.3	0%	0%	56%	2%	17%	24%	0%
MAR	0.0	0.0	221.7	13.4	38.4	87.8	54.5	415.9	0%	0%	53%	3%	9%	21%	13%
APR	0.0	0.0	84.1	3.4	13.6	9.1	8.3	118.6	0%	0%	71%	3%	11%	8%	7%
MAY	0.0	0.0	57.7	3.7	16.1	41.4	0.0	118.9	0%	0%	49%	3%	14%	35%	0%
JUN	0.0	0.0	109.0	6.1	24.4	48.5	0.0	187.9	0%	0%	58%	3%	13%	26%	0%
JUL	0.0	0.0	137.2	3.6	107.8	61.2	0.2	310.0	0%	0%	44%	1%	35%	20%	0%
AUG	0.0	0.0	187.8	4.7	48.4	62.4	58.1	361.3	0%	0%	52%	1%	13%	17%	16%
SEP	0.0	6.3	163.4	4.1	22.6	50.2	4.4	251.0	0%	2%	65%	2%	9%	20%	2%
OCT	0.0	2.2	148.1	5.0	26.7	34.7	0.0	216.7	0%	1%	68%	2%	12%	16%	0%
NOV	0.0	0.0	133.9	11.0	62.6	53.5	4.0	264.9	0%	0%	51%	4%	24%	20%	2%
DEC	0.0	0.0	130.7	10.1	49.5	32.1	1.0	223.4	0%	0%	59%	5%	22%	14%	0%
Annual	0.0	8.5	1897.9	84.9	567.4	732.9	168.5	3460.0	0%	0%	55%	2%	16%	21%	5%
Quarter 1	0.0	0.0	746.0	33.4	195.6	339.9	92.5	1407.4	0%	0%	53%	2%	14%	24%	7%
Quarter 2	0.0	0.0	250.8	13.2	54.1	99.0	8.3	425.3	0%	0%	59%	3%	13%	23%	2%
Quarter 3	0.0	6.3	488.4	12.3	178.9	173.7	62.7	922.3	0%	1%	53%	1%	19%	19%	7%
Quarter 4	0.0	2.2	412.7	26.0	138.8	120.2	5.0	705.0	0%	0%	59%	4%	20%	17%	1%
First Semester	0.0	0.0	996.8	46.6	249.6	438.9	100.8	1832.7	0%	0%	54%	3%	14%	24%	5%
Second Semester	0.0	8.5	901.1	38.4	317.7	294.0	67.7	1627.3	0%	1%	55%	2%	20%	18%	4%

¹ Schooner catches include schooner handline and other gears such as dropline

² Semi-industrial longliners conducting artisanal fishing trips excluding semi industrial fishery Longline sets

Country: Seychelles Year: 2021

Month	Catch (Mt)							Catch (%)							
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²
JAN	0.0	0.4	173.3	5.2	49.9	76.1	0.0	304.8	0%	0%	57%	2%	16%	25%	0%
FEB	0.0	0.9	166.6	4.9	39.9	74.1	0.0	286.4	0%	0%	58%	2%	14%	26%	0%
MAR	0.0	2.2	268.2	8.6	105.6	84.0	0.0	468.6	0%	0%	57%	2%	23%	18%	0%
APR	0.0	0.0	221.6	5.2	111.0	127.5	5.0	470.3	0%	0%	47%	1%	24%	27%	1%
MAY	0.0	0.1	195.0	2.4	98.1	93.9	0.0	389.5	0%	0%	50%	1%	25%	24%	0%
JUN	0.0	0.1	117.7	28.1	117.2	90.7	0.0	353.7	0%	0%	33%	8%	33%	26%	0%
JUL	0.0	0.0	152.8	0.0	49.8	99.0	0.0	301.5	0%	0%	51%	0%	17%	33%	0%
AUG	0.0	0.5	182.2	2.6	63.4	80.8	0.0	329.5	0%	0%	55%	1%	19%	25%	0%
SEP	0.0	0.9	139.6	5.1	54.9	77.4	0.0	277.9	0%	0%	50%	2%	20%	28%	0%
OCT	0.0	0.0	192.7	3.1	80.4	198.7	0.0	474.9	0%	0%	41%	1%	17%	42%	0%
NOV	0.0	0.0	174.5	3.3	87.4	101.9	0.0	367.1	0%	0%	48%	1%	24%	28%	0%
DEC	0.0	0.0	288.5	9.8	87.2	171.9	0.0	557.5	0%	0%	52%	2%	16%	31%	0%
Annual	0.0	5.1	2272.6	78.2	944.8	1275.9	5.0	4581.6	0%	0%	50%	2%	21%	28%	0%
Quarter 1	0.0	3.5	608.1	18.6	195.4	234.2	0.0	1059.7	0%	0%	57%	2%	18%	22%	0%
Quarter 2	0.0	0.2	534.2	35.7	326.3	312.1	5.0	1213.5	0%	0%	44%	3%	27%	26%	0%
Quarter 3	0.0	1.4	474.6	7.7	168.0	257.2	0.0	908.9	0%	0%	52%	1%	18%	28%	0%
Quarter 4	0.0	0.0	655.8	16.2	255.0	472.5	0.0	1399.4	0%	0%	47%	1%	18%	34%	0%
First Semester	0.0	3.7	1142.3	54.3	521.7	546.2	5.0	2273.3	0%	0%	50%	2%	23%	24%	0%
Second Semester	0.0	1.4	1130.3	23.9	423.1	729.7	0.0	2308.3	0%	0%	49%	1%	18%	32%	0%

¹ Schooner catches include schooner handline and other gears such as dropline

² Semi-industrial longliners conducting artisanal fishing trips excluding semi industrial fishery Longline sets

TABLE 4.3 Catch Statistics for Artisanal Fishery by Gear Type by Year

(Database Closed on 06/11/23)

Country: Seychelles

Semester 1, Years 2011 - 2021

Month	Catch (Mt)									Catch (Mt)								
	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	Total	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	
2011	3.1	184.1	0.0	74.4	130.8	945.1	89.5	26.3	1453.3	0%	13%	0%	5%	9%	65%	6%	2%	
2012	4.5	361.6	1.1	57.7	115.8	650.3	57.3	35.2	1283.5	0%	28%	0%	4%	9%	51%	4%	3%	
2013	4.4	209.8	0.0	34.5	106.4	1355.4	63.8	37.2	1811.5	0%	12%	0%	2%	6%	75%	4%	2%	
2014	2.0	429.1	0.0	41.7	112.5	1179.4	67.9	182.8	2015.4	0%	21%	0%	2%	6%	59%	3%	9%	
2015	0.5	224.4	0.0	26.8	127.3	920.0	47.9	93.8	1440.6	0%	16%	0%	2%	9%	64%	3%	7%	
2016	1.6	265.1	0.0	51.9	143.4	891.3	62.2	57.7	1473.3	0%	18%	0%	4%	10%	60%	4%	4%	
2017	16.3	314.4	0.0	79.2	193.0	1282.5	0.0	18.3	1903.6	1%	17%	0%	4%	10%	67%	0%	1%	
2018	26.3	429.4	0.0	64.6	169.5	1535.5	0.0	49.4	2274.7	1%	19%	0%	3%	7%	68%	0%	2%	
2019	18.7	445.1	0.0	98.1	221.2	1683.5	0.0	53.3	2519.9	1%	18%	0%	4%	9%	67%	0%	2%	
2020	5.0	264.7	0.0	35.1	141.0	1283.1	0.0	103.8	1832.7	0%	14%	0%	2%	8%	70%	0%	6%	
2021	31.5	280.0	0.0	33.1	255.7	1596.7	0.0	76.3	2273.3	1%	12%	0%	1%	11%	70%	0%	3%	

*Catch using gears not elsewhere classified such as dropline and reels

Country: Seychelles

Semester 2, Years 2011- 2021

Month	Catch (Mt)									Catch (Mt)								
	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	Total	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	
2011	4.9	85.5	0.0	31.8	126.7	1090.2	65.9	12.6	1417.6	0%	6%	0%	2%	9%	77%	5%	1%	
2012	3.7	330.3	0.0	34.9	109.9	670.6	52.7	20.9	1222.9	0%	27%	0%	3%	9%	55%	4%	2%	
2013	3.9	532.0	0.0	44.8	182.4	1466.5	65.8	43.4	2338.8	0%	23%	0%	2%	8%	63%	3%	2%	
2014	1.0	328.6	0.0	44.5	148.7	864.9	67.0	162.4	1617.1	0%	20%	0%	3%	9%	53%	4%	10%	
2015	1.1	470.5	0.0	20.0	132.8	1000.9	40.7	107.6	1773.6	0%	27%	0%	1%	7%	56%	2%	6%	
2016	0.7	193.3	0.0	40.2	148.5	610.9	48.1	0.9	1042.5	0%	19%	0%	4%	14%	59%	5%	0%	
2017	2.1	698.2	0.0	85.6	199.7	1452.0	0.0	15.0	2452.6	0%	28%	0%	3%	8%	59%	0%	1%	
2018	4.7	274.1	0.0	80.4	189.1	1281.3	0.0	82.4	1912.0	0%	14%	0%	4%	10%	67%	0%	4%	
2019	9.1	363.7	0.0	63.8	179.3	1263.4	0.0	11.9	1891.2	0%	19%	0%	3%	9%	67%	0%	1%	
2020	13.6	203.0	0.0	25.7	145.6	1167.3	0.0	72.1	1627.3	1%	12%	0%	2%	9%	72%	0%	4%	
2021	9.8	169.5	0.0	79.6	293.2	1671.6	0.0	84.6	2308.3	0%	7%	0%	3%	13%	72%	0%	4%	

*Catch using gears not elsewhere classified such as dropline and reels

Country: Seychelles

Years : 2011- 2021

Month	Catch (Mt)									Catch (Mt)							
	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	Total	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*
2011	7.9	269.7	0.0	106.2	257.5	2035.4	155.3	38.9	2871.0	0%	9%	0%	4%	9%	71%	5%	1%
2012	8.2	691.8	1.1	92.6	225.7	1320.9	109.9	56.0	2506.4	0%	28%	0%	4%	9%	53%	4%	2%
2013	8.3	741.7	0.0	79.3	288.8	2821.9	129.6	80.6	4150.4	0%	18%	0%	2%	7%	68%	3%	2%
2014	3.0	757.7	0.0	86.2	261.2	2044.3	134.9	345.2	3632.5	0%	21%	0%	2%	7%	56%	4%	10%
2015	1.6	694.9	0.0	46.7	260.1	1920.9	88.6	201.3	3214.2	0%	22%	0%	1%	8%	60%	3%	6%
2016	2.3	458.4	0.0	92.1	291.9	1502.2	110.3	58.6	2515.8	0%	18%	0%	4%	12%	60%	4%	2%
2017	18.3	1012.6	0.0	164.8	392.7	2734.5	0.0	33.3	4356.2	0%	23%	0%	4%	9%	63%	0%	1%
2018	31.0	703.5	0.0	145.0	358.6	2816.8	0.0	131.8	4186.7	1%	17%	0%	3%	9%	67%	0%	3%
2019	27.8	808.9	0.0	161.9	400.5	2946.9	0.0	65.2	4411.1	1%	18%	0%	4%	9%	67%	0%	1%
2020	18.6	467.7	0.0	60.8	286.6	2450.4	0.0	175.9	3460.0	1%	14%	0%	2%	8%	71%	0%	5%
2021	41.3	449.5	0.0	112.7	548.9	3268.3	0.0	160.9	4581.6	1%	10%	0%	2%	12%	71%	0%	4%

*Catch using gears not elsewhere classified such as dropline and reels

TABLE 4.3A Monthly Catch Statistics for Artisanal Fishery by Gear Type

(Database Closed on 06/11/23)

Country: Seychelles

Year: 2020

Month	Catch (Mt)							Catch (%)					
	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*	Total	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*
JAN	1.1	82.9	23.4	30.8	363.1	38.0	539.2	0%	15%	4%	6%	67%	7%
FEB	1.0	82.0	4.1	24.6	338.6	2.1	452.3	0%	18%	1%	5%	75%	0%
MAR	0.9	42.7	4.5	36.1	277.1	54.6	415.9	0%	10%	1%	9%	67%	13%
APR	0.8	27.9	0.7	5.6	75.2	8.3	118.6	1%	24%	1%	5%	63%	7%
MAY	0.8	5.8	0.3	15.8	95.5	0.7	118.9	1%	5%	0%	13%	80%	1%
JUN	0.4	23.4	2.3	28.1	133.6	0.1	187.9	0%	12%	1%	15%	71%	0%
JUL	0.2	27.6	7.7	24.9	248.7	0.9	310.0	0%	9%	2%	8%	80%	0%
AUG	0.1	38.1	1.1	20.0	243.8	58.2	361.3	0%	11%	0%	6%	67%	16%
SEP	0.6	56.1	2.5	21.5	169.9	0.4	251.0	0%	22%	1%	9%	68%	0%
OCT	2.5	49.0	3.8	27.7	133.5	0.2	216.7	1%	23%	2%	13%	62%	0%
NOV	2.1	22.0	8.4	27.7	196.4	8.3	264.9	1%	8%	3%	10%	74%	3%
DEC	8.0	10.2	2.2	23.9	174.9	4.2	223.4	4%	5%	1%	11%	78%	2%
Annual	18.6	467.7	60.8	286.6	2450.4	175.9	3460.0	1%	14%	2%	8%	71%	5%
Quarter 1	3.0	207.6	31.9	91.4	978.9	94.7	1407.4	0%	15%	2%	6%	70%	7%
Quarter 2	2.1	57.1	3.2	49.5	304.3	9.1	425.3	0%	13%	1%	12%	72%	2%
Quarter 3	0.9	121.8	11.3	66.3	662.4	59.5	922.3	0%	13%	1%	7%	72%	6%
Quarter 4	12.7	81.2	14.4	79.3	504.8	12.6	705.0	2%	12%	2%	11%	72%	2%
First Semester	5.0	264.7	35.1	141.0	1283.1	103.8	1832.7	0%	14%	2%	8%	70%	6%
Second Semester	13.6	203.0	25.7	145.6	1167.3	72.1	1627.3	1%	12%	2%	9%	72%	4%

*Catch using gears not elsewhere classified such as dropline and reels

Country: Seychelles

Year: 2021

Month	Catch (Mt)							Catch (%)					
	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*	Total	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*
JAN	2.4	57.9	0.9	25.2	218.4	0.0	304.8	1%	19%	0%	8%	72%	0%
FEB	6.3	43.5	2.6	57.2	176.8	0.0	286.4	2%	15%	1%	20%	62%	0%
MAR	15.8	106.4	8.3	34.5	297.2	6.4	468.6	3%	23%	2%	7%	63%	1%
APR	1.6	30.4	5.2	44.9	373.6	14.7	470.3	0%	6%	1%	10%	79%	3%
MAY	4.1	39.0	7.0	53.8	285.6	0.0	389.5	1%	10%	2%	14%	73%	0%
JUN	1.3	2.9	9.0	40.1	245.1	55.2	353.7	0%	1%	3%	11%	69%	16%
JUL	0.2	5.8	7.9	49.8	237.8	0.0	301.5	0%	2%	3%	17%	79%	0%
AUG	3.3	4.6	16.9	46.1	258.7	0.0	329.5	1%	1%	5%	14%	79%	0%
SEP	2.0	7.0	18.4	36.3	214.1	0.0	277.9	1%	3%	7%	13%	77%	0%
OCT	1.0	29.7	20.5	55.8	304.1	63.8	474.8	0%	6%	4%	12%	64%	13%
NOV	2.7	3.8	9.1	49.5	296.2	5.8	367.1	1%	1%	2%	13%	81%	2%
DEC	0.7	118.6	6.7	55.9	360.7	15.0	557.5	0%	21%	1%	10%	65%	3%
Annual	41.3	449.5	112.7	548.9	3268.3	160.9	4581.6	1%	10%	2%	12%	71%	4%
Quarter 1	24.5	207.8	11.9	116.9	692.4	6.4	1059.7	2%	20%	1%	11%	65%	1%
Quarter 2	7.0	72.3	21.2	138.8	904.4	69.9	1213.5	1%	6%	2%	11%	75%	6%
Quarter 3	5.5	17.4	43.2	132.1	710.6	0.0	908.9	1%	2%	5%	15%	78%	0%
Quarter 4	4.3	152.0	36.3	161.1	961.0	84.6	1399.4	0%	11%	3%	12%	69%	6%
First Semester	31.5	280.0	33.1	255.7	1596.7	76.3	2273.3	1%	12%	1%	11%	70%	3%
Second Semester	9.8	169.5	79.6	293.3	1671.6	84.6	2308.3	0%	7%	3%	13%	72%	4%

*Catch using gears not elsewhere classified such as dropline and reels

TABLE 4.4 Time Series of Catch Statistics for Artisanal Fishery by Species

(Database Closed on 06/11/23)

Country: Seychelles**Semester 1, Years 2011 - 2021**

Species	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CARANGUES	237.4	253.1	593.3	443.7	371.5	452.9	474.5	762.8	627.5	578.9	519.0
MAQUEREAU DOUX	178.7	234.5	154.8	189.6	152.5	145.8	148.2	231.7	244.9	172.2	212.3
OTHER MAQUEREAU	1.8	121.7	44.8	125.5	68.4	57.4	104.6	43.8	53.7	4.5	2.7
BONITE	30.6	33.8	69.1	42.4	71.5	47.0	91.5	84.1	85.6	88.7	79.9
OTHER PELAGICS	5.2	8.2	30.7	17.4	41.7	7.7	40.3	28.3	50.4	54.6	11.5
BECUNE	29.9	19.6	50.3	81.6	74.3	63.5	85.6	112.0	96.4	66.4	122.5
CORDONIER	147.4	102.7	76.4	97.1	96.4	155.3	118.0	123.0	161.4	68.3	133.1
OTHER TRAP FISH	69.1	73.5	74.1	73.7	59.9	43.1	98.6	74.6	125.7	73.5	101.1
RED SNAPPER	35.0	36.0	58.9	100.5	24.1	26.3	66.7	77.2	107.8	78.8	133.0
BOURGEOIS	327.7	105.7	211.0	168.0	95.6	149.8	151.2	182.4	298.7	122.7	307.8
JOB	167.4	116.2	231.6	241.0	176.2	137.5	194.4	240.0	296.4	280.3	242.0
MACONDE	40.0	22.4	15.3	33.8	27.4	26.2	36.3	42.3	63.8	25.5	40.6
OTHER VIELLE	31.4	24.6	28.9	90.4	38.8	20.1	52.2	77.6	85.8	76.3	134.6
CAPITAINE	97.8	63.3	98.0	98.4	65.6	52.5	159.7	117.3	139.4	114.0	149.3
SHARKS & RAYS	12.5	12.0	15.1	26.9	16.7	12.4	18.9	25.7	13.3	10.0	7.3
OCTOPUS	4.1	8.6	11.9	15.7	6.9	6.1	22.2	26.4	20.5	5.6	31.8
OTHERS	35.6	45.4	47.4	138.7	38.0	57.2	27.8	9.3	15.6	11.5	13.9
CRAB	2.1	2.2	0.1	31.0	15.2	12.4	12.9	16.0	32.9	1.0	31.0
Annual	1453.3	1283.5	1811.5	2015.4	1440.6	1473.3	1903.6	2274.7	2519.9	1832.7	2273.3

Country: Seychelles**Semester 2, Years 2011 - 2021**

Species	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CARANGUES	591.1	294.9	760.7	383.4	459.3	280.1	882.6	485.8	415.6	556.0	494.1
MAQUEREAU DOUX	40.3	234.5	365.9	201.1	377.9	74.6	161.2	130.0	242.2	150.9	127.4
OTHER MAQUEREAU	35.7	72.7	96.8	110.4	70.6	72.1	88.2	34.4	30.3	20.0	1.6
BONITE	54.8	36.6	145.6	29.7	32.1	28.7	125.2	40.5	29.1	41.3	51.6
OTHER PELAGICS	11.0	8.7	42.6	13.9	74.5	10.6	78.8	90.8	68.0	41.5	19.3
BECUNE	11.6	25.2	55.0	33.0	55.9	60.7	73.5	84.8	71.9	42.0	110.0
CORDONIER	100.2	78.8	121.2	140.6	119.6	145.9	136.6	102.2	108.9	75.6	163.6
OTHER TRAP FISH	63.3	68.0	98.9	68.5	36.1	42.2	103.2	128.3	125.1	66.1	144.0
RED SNAPPER	31.3	22.1	45.7	59.0	67.1	26.6	78.6	102.2	69.5	59.9	104.5
BOURGEOIS	109.1	104.6	136.5	89.2	120.0	50.6	137.9	115.0	176.3	113.9	334.9
JOB	235.3	83.2	188.4	187.8	184.2	100.2	237.7	218.2	232.0	203.6	363.8
MACONDE	11.1	11.7	21.8	27.6	9.5	19.8	33.7	52.4	53.5	41.7	40.5
OTHER VIELLE	18.2	21.3	32.1	88.9	49.8	14.5	45.3	57.3	85.7	68.0	84.8
CAPITAINE	54.6	79.9	118.5	80.7	53.7	64.9	150.1	158.7	135.3	111.2	145.3
SHARKS & RAYS	14.4	21.9	21.2	21.8	9.9	18.6	14.8	15.9	13.4	5.9	8.5
OCTOPUS	7.7	4.2	12.8	7.8	8.2	4.7	11.9	5.2	9.6	13.6	11.0
OTHERS	23.4	49.0	65.4	46.8	35.6	5.6	78.9	16.2	21.4	7.8	18.9
CRAB	4.5	5.7	9.9	27.0	9.6	21.9	14.5	74.2	3.7	8.4	84.6
Annual	1417.6	1222.9	2338.8	1617.1	1773.6	1042.5	2452.6	1912.0	1891.2	1627.3	2308.3

Country: Seychelles

Years: 2011 - 2021

Species	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CARANGUES	828.5	548.0	1354.0	827.1	830.8	733.0	1357.0	1248.6	1043.1	1134.9	1013.1
MAQUEREAU DOUX	219.0	469.0	520.7	390.7	530.4	220.4	309.4	361.6	487.1	323.2	339.7
OTHER MAQUEREAU	37.5	194.4	141.6	236.0	139.0	129.5	192.8	78.2	84.0	24.5	4.3
BONITE	85.3	70.4	214.7	72.1	103.6	75.7	216.7	124.6	114.7	130.0	131.5
OTHER PELAGICS	16.2	16.8	73.2	31.3	116.2	18.3	119.1	119.1	118.4	96.1	30.8
BECUNE	41.5	44.8	105.3	114.6	130.2	124.2	159.1	196.8	168.3	108.5	232.5
CORDONIER	247.5	181.4	197.6	237.7	215.9	301.3	254.6	225.3	270.3	143.8	296.7
OTHER TRAP FISH	132.3	141.5	173.0	142.3	96.0	85.3	201.8	202.9	250.8	139.6	245.1
RED SNAPPER	66.3	58.1	104.6	159.5	91.2	53.0	145.3	179.4	177.3	138.7	237.5
BOURGEOIS	436.9	210.2	347.6	257.2	215.7	200.4	289.1	297.5	474.9	236.5	642.7
JOB	402.7	199.4	420.0	428.8	360.4	237.7	432.1	458.2	528.4	483.9	605.8
MACONDE	51.1	34.2	37.0	61.4	36.9	46.0	70.1	94.7	117.3	67.2	81.1
OTHER VIELLE	49.6	45.8	60.9	179.4	88.6	34.7	97.5	134.9	171.5	144.4	219.4
CAPITAINE	152.4	143.2	216.5	179.1	119.3	117.4	309.8	276.0	274.8	225.2	294.5
SHARKS & RAYS	26.9	34.0	36.3	48.7	26.6	31.0	33.7	41.7	26.7	15.9	15.8
OCTOPUS	11.7	12.8	24.6	23.4	15.1	10.8	34.0	31.6	30.1	19.2	42.8
OTHERS	59.0	94.4	112.7	185.5	73.6	62.8	106.7	25.5	37.0	19.3	32.8
CRAB	6.6	8.0	9.9	58.0	24.8	34.3	27.4	90.2	36.6	9.4	115.6
Annual	2871.0	2506.4	4150.4	3632.5	3214.2	2515.8	4356.2	4186.7	4411.1	3460.0	4581.6

TABLE 4.4A Monthly Catch Statistics for Artisanal Fishery by Species

(Database Closed on 06/11/23)

Country: Seychelles

Year: 2020

Species	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Semester 1	Semester 2
CARANGUES	119.1	162.3	138.6	49.1	47.2	62.6	141.1	155.3	45.4	47.7	78.7	87.9	1134.9	33%	420.0	158.9	341.7	214.3	578.9	556.0
MAQUEREAU DOUX	73.1	64.8	16.4	13.2	0.1	4.7	22.4	24.3	49.8	36.4	13.3	4.8	323.2	9%	154.3	17.9	96.5	54.5	172.2	150.9
OTHER MAQUEREAU	0.0	0.3	2.5	0.7	0.4	0.6	1.0	5.3	1.9	7.3	2.6	1.9	24.5	1%	2.8	1.7	8.2	11.8	4.5	20.0
BONITE	13.1	35.8	22.6	11.2	1.9	4.1	6.6	2.7	6.0	8.8	10.4	6.8	130.0	4%	71.5	17.2	15.3	26.0	88.7	41.3
OTHER PELAGICS	8.6	9.9	5.1	8.1	5.8	17.2	6.5	18.8	3.4	3.9	6.8	2.2	96.1	3%	23.5	31.1	28.7	12.8	54.6	41.5
BECUNE	22.6	27.0	11.6	0.8	1.0	3.4	2.4	3.0	2.6	14.0	13.2	6.8	108.5	3%	61.2	5.2	8.0	34.0	66.4	42.0
CORDONIER	24.1	11.5	12.9	2.2	6.5	11.2	10.8	6.7	12.0	15.0	17.9	13.2	143.8	4%	48.4	19.9	29.5	46.1	68.3	75.6
OTHER TRAP FISH	18.4	12.1	17.2	3.4	8.6	13.7	13.1	10.6	8.5	10.1	15.4	8.3	139.6	4%	47.8	25.7	32.3	33.8	73.5	66.1
RED SNAPPER	28.8	17.0	19.7	2.4	3.8	7.2	15.4	10.1	7.9	11.3	10.9	4.3	138.7	4%	65.5	13.3	33.4	26.5	78.8	59.9
BOURGEOIS	41.1	33.8	24.7	6.7	6.5	9.9	14.4	10.7	27.1	10.7	24.6	26.4	236.5	7%	99.6	23.1	52.2	61.7	122.7	113.9
JOB	115.9	32.9	77.0	7.2	21.9	25.3	45.4	56.0	31.4	19.3	28.2	23.4	483.9	14%	225.8	54.5	132.7	70.8	280.3	203.6
MACONDE	8.1	5.1	5.6	0.9	1.6	4.3	3.7	4.1	8.6	6.5	12.5	6.3	67.2	2%	18.8	6.8	16.4	25.3	25.5	41.7
OTHER VIELLE	23.0	8.5	34.1	4.0	2.3	4.4	5.9	27.4	17.6	5.8	4.9	6.4	144.4	4%	65.6	10.7	50.9	17.1	76.3	68.0
CAPITAINE	35.5	25.0	23.3	7.4	7.5	15.4	16.3	24.5	26.7	15.4	17.2	11.1	225.2	7%	83.8	30.2	67.5	43.7	114.0	111.2
SHARKS & RAYS	1.9	3.7	2.0	0.2	1.2	1.0	1.4	1.1	0.8	0.9	1.2	0.5	15.9	0%	7.7	2.4	3.3	2.6	10.0	5.9
OCTOPUS	1.2	1.2	1.0	0.8	0.9	0.5	0.2	0.2	0.5	2.5	2.2	8.0	19.2	1%	3.4	2.2	1.0	12.7	5.6	13.6
OTHERS	3.7	1.4	1.7	0.4	1.8	2.4	3.3	0.6	0.8	1.2	0.7	1.1	19.3	1%	6.8	4.7	4.7	3.0	11.5	7.8
CRAB	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	9.4	0%	1.0	0.0	0.0	8.4	1.0	8.4
Annual	539.2	452.3	415.9	118.6	118.9	187.9	310.0	361.3	251.0	216.7	264.9	223.4	3460.0	100%	1407.4	425.3	922.3	705.0	1832.7	1627.3

Country: Seychelles

Year: 2021

Species	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Semester 1	Semester 2
CARANGUES	148.3	54.7	65.3	71.8	86.6	92.4	70.5	99.2	54.2	37.8	51.0	181.4	1013.1	22%	268.3	250.8	223.8	270.2	519.1	494.1
MAQUEREAU DOUX	13.7	38.7	98.8	27.9	30.8	2.5	1.9	1.5	5.3	24.8	0.2	93.6	339.7	7%	151.2	61.1	8.7	118.7	212.3	127.4
OTHER MAQUEREAU	0.4	0.2	0.4	1.2	0.5	0.1	0.2	0.1	0.4	0.1	0.1	0.7	4.3	0%	0.9	1.8	0.7	0.9	2.7	1.6
BONITE	9.8	5.6	27.4	19.4	12.5	5.2	11.7	15.0	6.4	4.2	5.9	8.3	131.5	3%	42.8	37.1	33.2	18.4	79.9	51.6
OTHER PELAGICS	2.2	1.8	1.5	1.9	1.9	2.1	3.3	3.4	5.4	2.9	1.6	2.8	30.8	1%	5.6	5.9	12.1	7.3	11.5	19.3
BECUNE	16.6	9.5	16.7	34.6	26.8	18.2	18.3	13.2	10.6	24.9	19.9	23.1	232.5	5%	42.9	79.6	42.2	67.9	122.5	110.0
CORDONIER	11.5	24.8	20.6	27.9	28.9	19.6	19.0	25.4	18.9	37.5	30.5	32.4	296.7	6%	56.9	76.3	63.2	100.4	133.1	163.6
OTHER TRAP FISH	9.9	22.7	15.5	14.7	20.2	18.1	23.8	24.4	21.7	28.0	23.4	22.7	245.1	5%	48.2	53.0	69.9	74.1	101.1	144.0
RED SNAPPER	12.7	10.5	16.3	20.9	45.2	27.4	14.0	23.8	17.6	22.9	12.3	14.0	237.5	5%	39.5	93.4	55.4	49.2	133.0	104.5
BOURGEOIS	14.3	38.0	75.2	92.9	46.4	40.9	27.3	28.9	37.7	76.6	100.5	63.9	642.7	14%	127.5	180.3	93.9	241.0	307.8	334.9
JOB	31.8	43.0	48.7	58.9	42.1	17.6	66.3	41.3	47.5	99.9	54.7	54.2	605.8	13%	123.5	118.5	155.0	208.8	242.0	363.8
MACONDE	3.4	1.9	12.9	12.9	3.3	6.1	5.3	3.5	4.8	8.3	11.9	7.0	81.1	2%	18.2	22.3	13.5	27.1	40.6	40.5
OTHER VIELLE	9.7	6.6	26.4	31.2	13.5	47.1	12.2	11.1	14.5	16.8	21.5	8.8	219.4	5%	42.7	91.9	37.7	47.1	134.6	84.8
CAPITAINE	14.5	18.5	23.4	38.7	23.3	30.8	19.4	32.3	24.4	22.0	22.4	24.7	294.5	6%	56.4	92.9	76.1	69.2	149.3	145.3
SHARKS & RAYS	1.1	0.8	1.2	0.9	2.6	0.8	1.9	0.5	2.1	1.0	1.1	1.9	15.8	0%	3.0	4.2	4.4	4.1	7.3	8.5
OCTOPUS	2.4	6.3	16.0	2.1	3.5	1.5	0.2	3.5	2.1	1.2	2.8	1.1	42.8	1%	24.7	7.1	5.9	5.1	31.8	11.0
OTHERS	2.5	2.7	2.4	2.5	1.5	2.3	6.3	2.5	4.5	2.1	1.6	1.8	32.8	1%	7.6	6.4	13.4	5.6	13.9	18.9
CRAB	0.0	0.0	0.0	10.0	0.0	21.0	0.0	0.0	0.0	63.8	5.8	15.0	115.6	3%	0.0	31.0	0.0	84.6	31.0	84.6
Annual	304.8	286.4	468.6	470.3	389.5	353.7	301.5	329.5	277.9	474.9	367.1	557.5	4581.6	100%	1059.7	1213.5	908.9	1399.4	2273.3	2308.3

TABLE 4.5 Time Series of Effort Statistics for Artisanal Fishery by Vessel and Gear Type
(Database Closed on 06/11/23)

Country: SEYCHELLES

Semester 1, Years 2011 - 2021

Month	Handline Fishery						Trap Fishery						Net Fishery		
	Pirogue	Outboard	Whaler	Schooner	Others	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
	Effort (Mendays)						Effort (Traps)						Effort (Sets)		
2011	126	4633	10100	5965	0	20825	825	930	53497	0	0	55252	36	942	978
2012	92	4096	4761	5712	0	14661	470	1202	40611	0	0	42282	64	909	973
2013	310	5987	12779	5108	0	24184	455	1312	40177	517	0	42461	77	1202	1279
2014	155	5905	13664	6372	0	26096	113	639	42086	0	0	42838	220	1639	1860
2015	99	7196	12793	4407	0	24495	50	482	37751	75	0	38358	128	1006	1135
2016	161	7744	10200	3447	0	21552	0	407	40316	134	0	40856	118	1554	1672
2017	48	13980	15012	15290	653	44983	0	0	73705	304	706	74715	42	1500	1542
2018	0	14994	15231	11031	718	41974	0	0	61801	423	0	62224	40	1661	1701
2019	0	16591	12078	15048	1041	44759	0	0	66266	411	506	67183	41	2010	2051
2020	0	11708	9217	10218	1125	32269	0	0	38064	0	187	38251	0	1197	1197
2021	0	13568	15954	15809	1031	46363	0	0	57678	0	134	57812	39	1642	1681

Country: SEYCHELLES

Semester 2, Years 2011 - 2021

Month	Handline Fishery						Trap Fishery						Net Fishery		
	Pirogue	Outboard	Whaler	Schooner	Others	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
	Effort (Mendays)						Effort (Traps)						Effort (Sets)		
2011	148	4280	8982	4437	0	17846	133	1535	50754	0	0	52421	69	768	837
2012	113	3755	9839	4835	0	18542	600	1694	41238	0	0	43532	110	1246	1355
2013	94	5695	13351	3758	0	22898	194	1267	53611	269	0	55341	174	2015	2189
2014	152	5439	8764	4240	0	18595	636	1470	49001	106	0	51213	360	1261	1621
2015	137	6513	16495	2963	0	26109	158	836	35091	250	0	36335	122	915	1037
2016	149	5200	7503	882	0	13734	52	271	40164	610	0	41097	48	844	892
2017	0	15379	15025	12750	725	43880	0	0	71781	686	840	73307	34	1728	1762
2018	0	16141	13949	12250	618	42958	0	0	77060	1025	475	78560	41	1052	1093
2019	0	14898	11606	11503	1022	39029	0	0	60630	466	338	61434	36	1843	1879
2020	0	12792	9676	9729	1274	33471	0	0	45628	96	328	46052	30	781	811
2021	0	14026	17169	18683	594	50471	0	0	70448	0	494	70942	18	722	740

Country: SEYCHELLES

Years: 2011 - 2021

Month	Handline Fishery Effort (Mendays)						Trap Fishery Effort (Traps)						Net Fishery Effort (Sets)		
	Pirogue	Outboard	Whaler	Schooner	Others	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
2011	274	8913	19082	10402	0	38671	958	2464	104251	0	0	107673	104	1711	1815
2012	204	7851	14600	10547	0	33203	1070	2896	81849	0	0	85814	174	2155	2329
2013	404	11682	26130	8866	0	47082	649	2579	93788	786	0	97802	251	3217	3468
2014	307	11344	22428	10612	0	44691	749	2108	91088	106	0	94051	581	2901	3481
2015	237	13709	29288	7370	0	50604	208	1318	72842	325	0	74693	250	1921	2171
2016	311	12944	17703	4329	0	35286	52	678	80479	744	0	81953	166	2398	2564
2017	48	29399	30036	28041	1378	88902	0	0	145486	990	1546	148022	76	3228	3304
2018	0	31143	29180	23281	1336	84940	0	0	138861	1448	475	140784	81	2713	2794
2019	0	31489	23675	26583	2063	83810	0	0	126896	877	844	128617	77	3853	3930
2020	0	24501	18893	19947	2399	65740	0	0	83692	96	515	84303	30	1978	2008
2021		27594	33123	34492	1625	96834	0	0	128126	0	628	128754	57	2364	2421

TABLE 4.5A Monthly Effort Statistics for Artisanal Fishery by Vessel and Gear Type

(Database Closed on 30/07/21)

Country: SEYCHELLES
Year: 2020

Month	Outboard	Whaler	Schooner		Others	Total	Outboard	Whaler	Others		Total	Pirogue	Net Fishery	
			Effort (Mendays)						Effort (Traps)				Outboard	Total
Jan	3134	2167	2203		249	7753	11328				11328		431	431
Feb	2314	2292	2546		214	7366	7511			57	7568		294	294
Mar	2354	1314	1568		285	5521	7027				7027		246	246
Apr	744	550	590		45	1928	1490				1490		86	86
May	1057	906	1062		137	3161	3686				3686		47	47
Jun	2107	1987	2249		196	6539	7022			130	7152		93	93
Jul	2582	2214	1689		196	6681	8609				8609		98	98
Aug	2646	1305	1447		249	5647	6150				6150		77	77
Sep	2299	1343	1526		196	5364	7468			84	7552	17	150	167
Oct	1999	918	1376		190	4483	7784	96			7880	13	183	196
Nov	1756	2211	2141		246	6354	8489			108	8597		200	200
Dec	1511	1686	1551		196	4943	7128			136	7264		73	73
Annual	24501	18893	19947		2399	65740	83692	96		515	84303	30	1978	2008
Quarter 1	7801	5774	6317		748	20641	25866	0		57	25923	0	971	971
Quarter 2	3907	3443	3901		377	11628	12198	0		130	12328	0	226	226
Quarter 3	7527	4862	4662		641	17691	22227	0		84	22311	17	325	342
Quarter 4	5266	4814	5067		632	15780	23401	96		244	23741	13	456	469
First Semester	11708	9217	10218		1125	32269	38064	0		187	38251	0	1197	1197
Second Semester	12792	9676	9729		1274	33471	45628	96		328	46052	30	781	811

Country: SEYCHELLES
Year: 2021

Month	Outboard	Whaler	Schooner		Others	Total	Outboard	Whaler	Others		Total	Pirogue	Net Fishery	
			Effort (Mendays)						Effort (Traps)				Outboard	Total
Jan	2086	2174	2072		171	6504	7036				7036	12	387	399
Feb	1906	2180	3272		135	7493	13417				13417	11	180	191
Mar	2538	3163	2570		250	8521	7910				7910	8	642	650
Apr	3066	3606	3718		153	10543	9262			134	9396		205	205
May	2171	2123	2594		153	7041	9813				9813	4	198	202
Jun	1802	2709	1582		168	6261	10240				10240	4	30	34
Jul	2178	2577	2849		0	7605	10759				10759		47	47
Aug	2342	2737	3017		128	8223	11518				11518	7	33	40
Sep	2054	2360	2060		199	6673	8286				8286	11	42	53
Oct	2321	3023	3551		69	8963	14700				14700		79	79
Nov	2476	3271	3029		46	8822	11779			112	11891		16	16
Dec	2655	3200	4177		153	10184	13406			382	13788		505	505
Annual	27594	33123	34492		1625	96834	128126	0		628	128754	57	2364	2421
Quarter 1	6530	7517	7915		556	22518	28363	0		0	28363	31	1209	1240
Quarter 2	7039	8437	7895		474	23845	29315	0		134	29449	8	433	441
Quarter 3	6574	7674	7927		327	22501	30563	0		0	30563	18	122	140
Quarter 4	7452	9494	10756		268	27970	39885	0		494	40379	0	600	600
First Semester	13568	15954	15809		1031	46363	57678	0		134	57812	39	1642	1681
Second Semester	14026	17169	18683		594	50471	70448	0		494	70942	18	722	740

TABLE 4.6 Time Series CPUE Statistics for Artisanal Fishery by Vessel and Gear Type

(Database Closed on 06/11/23)

Country: SEYCHELLES
Semester 1, Years: 2011 - 2021

Month	Handline Fishery CPUE (kg/Men day)						Fishermen on foot	Trap Fishery CPUE (kg/ Trap)					Net Fishery CPUE (kg/Set)		
	Pirogue	Outboard	Whaler	Schooner	Others	Total		Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
2011	10.7	37.7	60.0	42.4	0.0	49.7	1.6	3.4	5.4	0.0	0.0	5.3	75.2	192.6	188.3
2012	19.8	35.4	74.3	36.2	0.0	48.3	4.3	2.3	5.6	0.0	0.0	5.5	111.7	391.2	372.7
2013	13.2	40.3	75.3	41.3	0.0	58.7	2.8	2.7	4.9	5.6	0.0	4.8	121.8	166.7	164.0
2014	13.9	37.4	62.2	27.4	0.0	47.8	9.0	2.7	5.2	0.0	0.0	5.2	115.8	246.2	230.7
2015	21.3	37.4	41.6	37.4	0.0	39.5	3.2	4.2	5.2	21.0	0.0	5.3	57.7	215.6	197.8
2016	21.7	40.3	52.4	29.9	0.0	44.2	0.0	3.7	6.3	6.0	0.0	6.3	35.7	167.9	158.6
2017	16.0	36.9	25.2	21.0	56.3	27.8	0.0	0.0	3.6	15.9	2.7	3.6	233.3	203.1	203.9
2018	0.0	44.6	31.0	26.7	79.5	35.6	0.0	0.0	3.7	9.9	0.0	3.7	116.3	255.7	252.5
2019	0.0	40.6	39.5	30.9	65.8	37.6	0.0	0.0	4.8	0.0	2.1	4.8	207.1	217.2	217.0
2020	0.0	47.1	27.1	42.8	39.9	39.8	0.0	0.0	4.6	0.0	2.8	4.6	0.0	221.1	221.1
2021	0.0	40.4	32.7	29.7	50.9	34.3	0.0	0.0	5.0	0.0	14.2	5.0	94.1	168.3	166.6

Country: SEYCHELLES
Semester 2, Years: 2011- 2021

Month	Handline Fishery CPUE (kg/Men day)						Fishermen on foot	Trap Fishery CPUE (kg/ Trap)					Net Fishery CPUE (kg/Set)		
	Pirogue	Outboard	Whaler	Schooner	Others	Total		Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
2011	20.0	36.1	98.0	26.6	0.0	64.8	6.0	2.7	4.3	0.0	0.0	4.3	33.4	108.3	102.2
2012	24.3	36.3	42.3	34.7	0.0	39.0	4.9	2.5	4.6	0.0	0.0	4.5	63.0	259.6	243.7
2013	19.9	38.6	87.5	37.9	0.0	66.9	6.2	3.2	5.3	23.0	0.0	5.3	120.0	253.6	243.0
2014	19.0	35.1	69.3	30.9	0.0	50.1	2.8	3.3	5.1	21.3	0.0	5.1	57.5	244.1	202.7
2015	15.2	30.7	46.0	27.4	0.0	39.9	5.4	3.2	5.4	6.9	0.0	5.3	34.8	509.7	454.0
2016	10.0	32.6	55.7	79.7	0.0	48.0	11.5	2.9	5.7	8.4	0.0	5.8	29.0	227.5	216.8
2017	0.0	37.8	32.2	22.9	62.2	32.0	0.0	0.0	3.8	12.6	2.3	3.9	161.8	400.9	396.2
2018	0.0	28.2	29.0	26.3	90.5	28.8	0.0	0.0	3.4	8.2	0.0	3.4	264.6	250.3	250.8
2019	0.0	31.2	28.9	37.0	23.0	32.0	0.0	0.0	4.0	1.1	0.7	4.0	69.4	196.0	193.6
2020	0.0	40.9	32.8	29.4	28.5	34.7	0.0	0.0	3.7	2.2	6.4	3.7	281.7	249.1	248.5
2021	0.0	41.6	24.6	34.6	33.6	33.1	0.0	0.0	5.2	0.0	7.9	5.3	78.3	232.8	229.0

Country: SEYCHELLES

Years: 2011 - 2021

Month	Pirogue	Handline Fishery CPUE (kg/Men day)					Total	Fishermen on foot	Trap Fishery CPUE (kg/ Trap)					Total	Net Fishery CPUE (kg/Set)		
		Outboard	Whaler	Schooner	Others				Pirogue	Outboard	Whaler	Others	Pirogue		Outboard	Total	
2011	15.7	36.9	77.9	35.7	0.0	56.7	2.2	3.0	4.9	0.0	0.0	4.8	47.6	154.7	148.6		
2012	22.3	35.9	52.8	35.5	0.0	43.1	4.7	2.4	5.1	0.0	0.0	5.0	81.0	315.1	297.6		
2013	14.7	39.5	81.6	39.9	0.0	62.7	3.8	2.9	5.1	11.6	0.0	5.1	120.6	221.2	213.9		
2014	16.4	36.3	65.0	28.8	0.0	48.8	3.8	3.1	5.2	21.3	0.0	5.1	79.6	245.3	217.7		
2015	17.8	34.2	44.0	33.4	0.0	39.7	4.9	3.6	5.3	10.1	0.0	5.3	46.5	355.7	320.1		
2016	16.1	37.2	53.8	40.0	0.0	45.7	11.5	3.4	6.0	7.9	0.0	6.0	33.7	188.9	178.8		
2017	16.0	37.4	28.7	21.9	59.4	29.9	0.0	0.0	3.7	13.6	2.5	3.8	201.3	308.9	306.5		
2018	0.0	36.1	30.1	26.5	84.6	32.2	0.0	0.0	3.5	8.7	0.0	3.6	191.4	253.6	251.8		
2019	0.0	36.2	34.3	33.5	44.6	35.0	0.0	0.0	4.4	0.6	1.5	4.4	142.7	207.1	205.8		
2020	0.0	43.8	30.0	36.3	33.8	37.2	0.0	0.0	4.1	2.2	5.1	4.1	281.7	232.2	232.2		
2021	0.0	41.0	28.5	32.3	44.6	33.7	0.0	0.0	5.1	0.0	9.2	5.1	89.1	188.0	185.7		

TABLE 4.6A Monthly CPUE Statistics for Artisanal Fishery by Vessel and Gear Type

(Database Closed on 06/11/23)

Country: SEYCHELLES

Year: 2020

Month	Effort (Kg/Mendays)				Total	Effort (Kg/Traps)				Net Fishery		
	Outboard	Whaler	Schooner	Others		Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
Jan	41.9	37.1	64.0	41.5	46.8	4.8	0.0	0.0	4.8	0.0	192.3	192.3
Feb	61.9	33.5	43.3	39.6	46.0	3.8	0.0	1.4	3.8	0.0	278.8	278.8
Mar	58.4	29.2	56.0	47.0	50.2	5.8	0.0	0.0	5.8	0.0	173.5	173.5
Apr	65.9	24.7	15.4	77.0	39.0	4.3	0.0	0.0	4.3	0.0	324.4	324.4
May	32.9	17.7	38.5	26.7	30.2	4.4	0.0	0.0	4.4	0.0	123.8	123.8
Jun	26.2	12.3	21.5	28.9	20.4	4.3	0.0	3.5	4.2	0.0	251.5	251.5
Jul	29.7	48.7	35.8	18.2	37.2	3.8	0.0	0.0	3.8	0.0	281.4	281.4
Aug	48.5	37.1	43.1	18.6	43.2	3.4	0.0	0.0	3.4	0.0	495.2	459.4
Sep	38.8	16.9	32.9	17.5	30.8	3.1	0.0	8.3	3.2	367.6	332.4	336.0
Oct	33.7	28.9	25.2	26.0	29.8	4.0	2.2	0.0	4.0	169.2	255.8	250.1
Nov	42.3	28.3	23.0	41.7	30.9	4.2	0.0	6.5	4.2	0.0	110.0	110.0
Dec	57.7	29.4	18.7	47.9	35.4	3.6	0.0	5.1	3.6	0.0	139.7	139.7
Annual	43.8	30.0	36.3	33.8	37.2	4.1	2.2	5.1	4.1	281.7	232.2	232.2
Quarter 1	52.8	33.9	53.7	43.0	47.4	4.8	0.0	1.4	4.8	0.0	213.8	213.8
Quarter 2	35.6	15.7	25.2	33.8	26.2	4.3	0.0	3.5	4.3	0.0	252.7	252.7
Quarter 3	39.1	36.8	37.1	18.2	37.2	3.5	0.0	8.3	3.5	367.6	355.6	350.1
Quarter 4	43.4	28.8	22.3	38.9	32.0	3.9	2.2	5.7	3.9	169.2	173.2	173.1
First Semester	47.1	27.1	42.8	39.9	39.8	4.6	0.0	2.8	4.6	0.0	221.1	221.1
Second Semester	40.9	32.8	29.4	28.5	34.7	3.7	2.2	6.4	3.7	281.7	249.1	248.5

Country: SEYCHELLES

Year: 2021

Month	Effort (Kg/Mendays)				Total	Effort (Kg/Traps)				Net Fishery		
	Outboard	Whaler	Schooner	Others		Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
Jan	41.8	23.0	36.7	30.2	33.6	3.7	0.0	0.0	3.7	30.8	148.5	145.0
Feb	30.4	18.3	22.6	35.9	23.6	4.5	0.0	0.0	4.5	84.5	236.7	227.9
Mar	41.5	33.4	30.2	34.3	34.9	5.4	0.0	0.0	5.4	275.0	162.3	163.7
Apr	46.1	30.8	30.3	21.8	35.0	5.2	0.0	14.2	5.3	0.0	148.1	148.1
May	42.0	46.2	36.2	15.9	40.6	6.2	0.0	0.0	6.2	15.0	196.4	192.8
Jun	35.8	43.3	22.4	166.7	39.2	4.8	0.0	0.0	4.8	27.5	94.3	86.5
Jul	40.9	19.3	34.7	#DIV/0!	31.3	5.4	0.0	0.0	5.4	0.0	123.4	123.4
Aug	47.8	23.2	26.8	20.6	31.5	5.5	0.0	0.0	5.5	70.0	124.5	115.0
Sep	37.4	23.2	37.6	25.4	32.1	6.6	0.0	0.0	6.6	83.6	145.5	132.6
Oct	37.0	26.6	38.0	44.9	33.9	5.2	0.0	0.0	5.2	0.0	375.6	375.6
Nov	44.5	26.5	32.0	53.8	33.6	4.9	0.0	7.0	4.9	0.0	238.8	238.8
Dec	41.4	27.3	37.6	43.9	35.4	4.4	0.0	8.2	4.5	0.0	234.8	234.8
Annual	41.0	28.5	32.3	44.6	33.7	5.1	0.0	9.2	5.1	89.1	188.0	185.7
Quarter 1	38.4	26.0	28.8	33.4	30.7	4.5	0.0	0.0	4.5	112.9	168.9	167.5
Quarter 2	42.2	38.7	30.7	71.3	37.7	5.4	0.0	14.2	5.4	21.3	166.5	163.8
Quarter 3	42.2	21.9	32.4	23.5	31.6	5.7	0.0	0.0	5.7	78.3	131.3	124.5
Quarter 4	41.0	26.8	36.1	45.8	34.4	4.9	0.0	7.9	4.9	0.0	253.4	253.4
First Semester	40.4	32.7	29.7	50.9	34.3	5.0	0.0	14.2	5.0	94.1	168.3	166.6
Second Semester	41.6	24.6	34.6	33.6	33.1	5.2	0.0	7.9	5.3	78.3	232.8	229.0

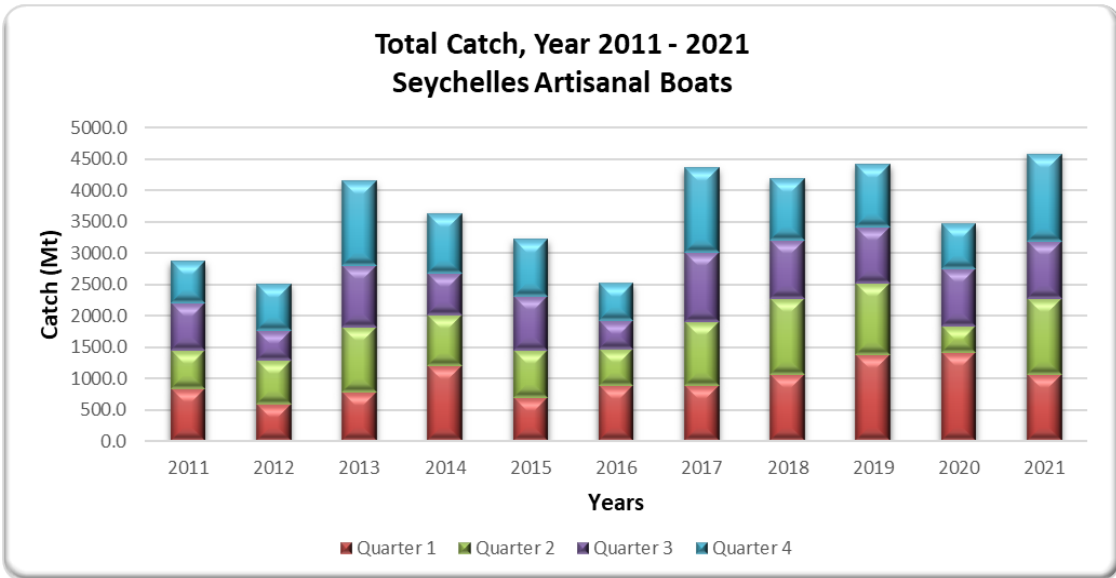


Figure 4A: Artisanal fishery Total Catch, Years 2011 - 2021

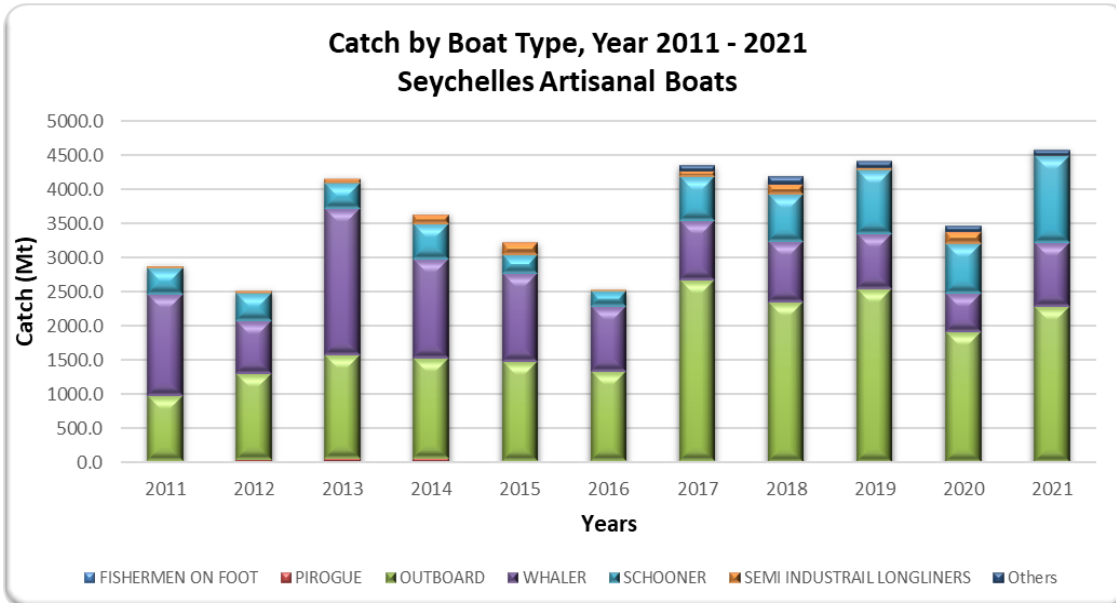


Figure 4B: Artisanal fishery Catch by Vessel Type, Years 2011 - 2021

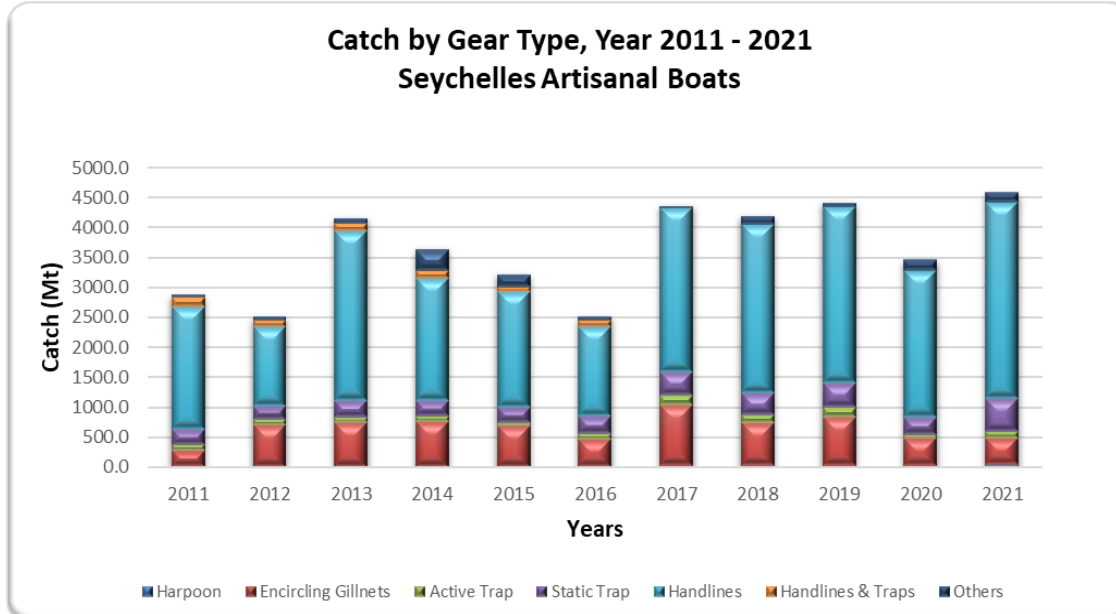


Figure 4C: Artisanal fishery Catch by Gear Type, Years 2011 - 2021

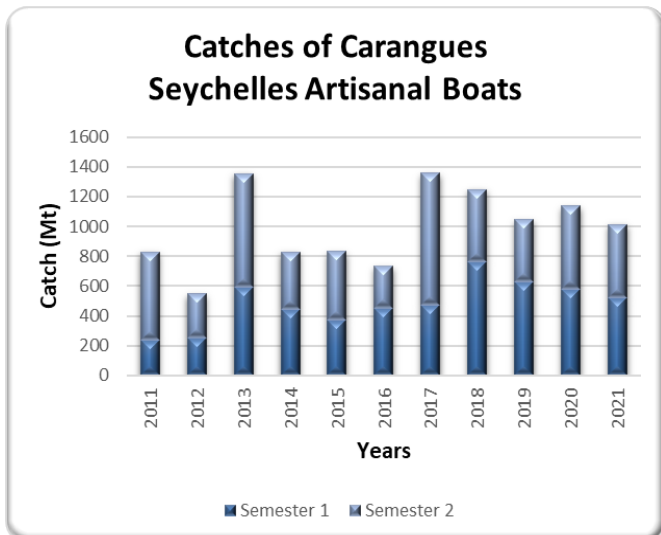


Figure 4D: Catches of Carangues, Years 2011-2021

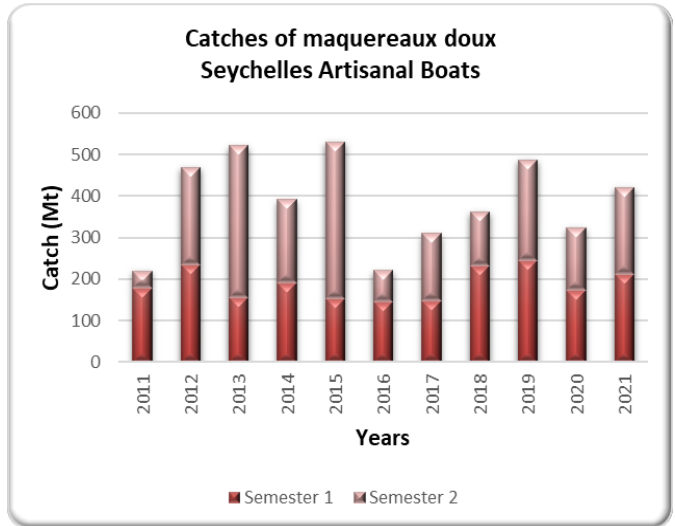


Figure 4E: Catches of Maquereau doux, Years 2011-2021

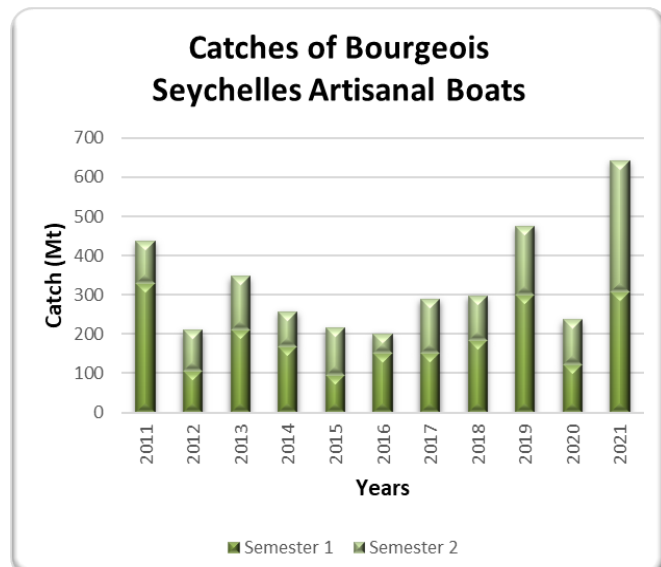


Figure 4F: Catches of bourgeois, Years 2011-2021

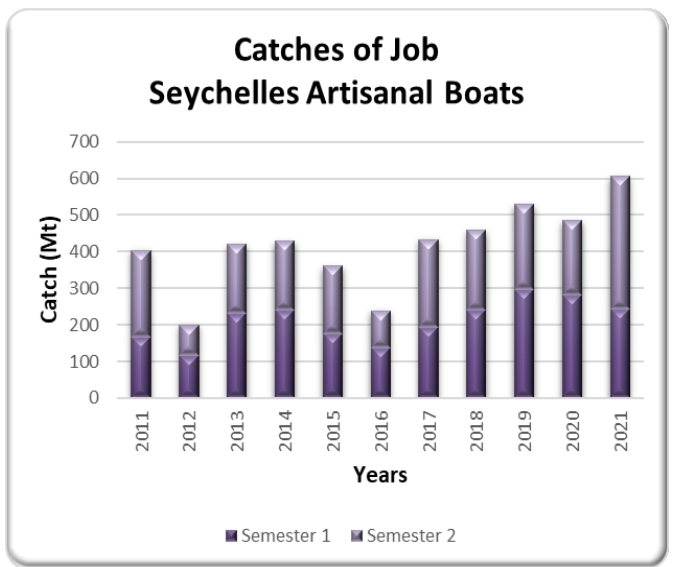


Figure 4G: Catches of job, Years 20211-2021

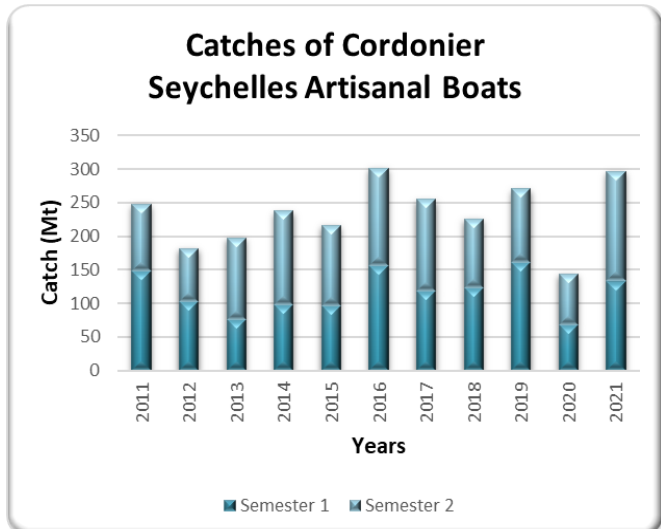


Figure 4H: Catches of cordonier, Years 2011-2021

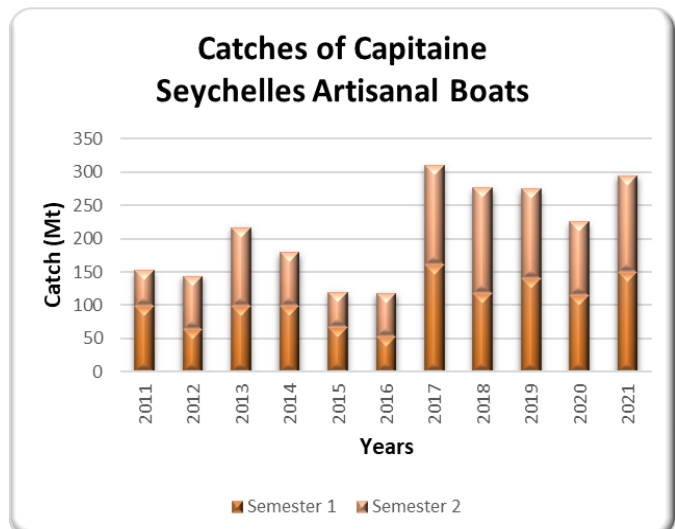


Figure 4I: Catches of capitaine, Years 2011-2021

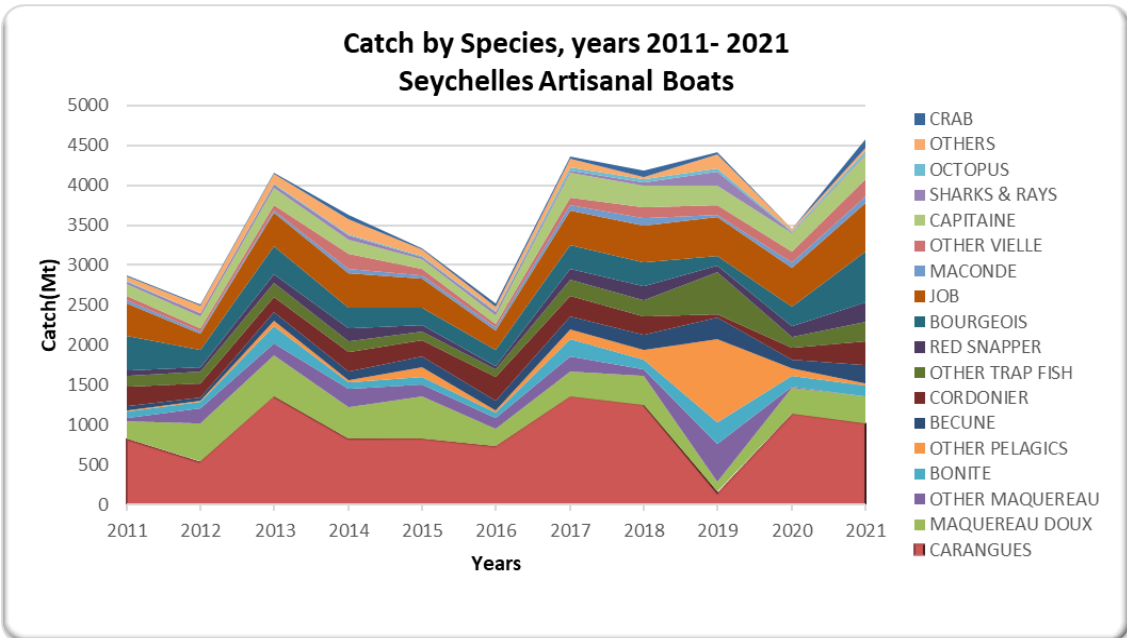


Figure 4J: Artisanal fishery Catch by Species, Years 2011- 2021

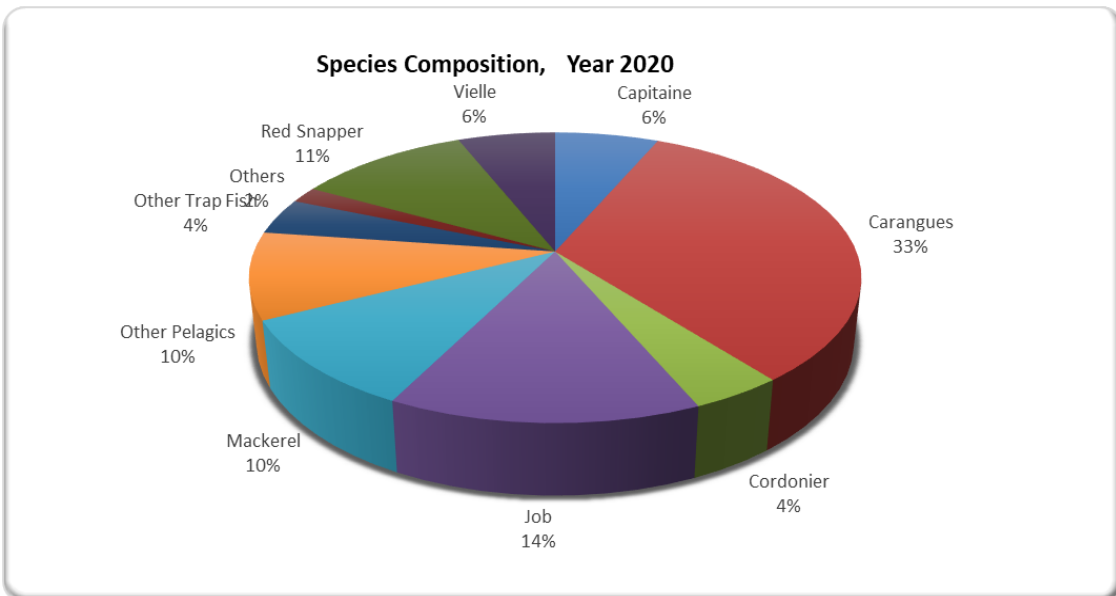


Figure 4K: Artisanal fishery Species composition of catches, Year 2020

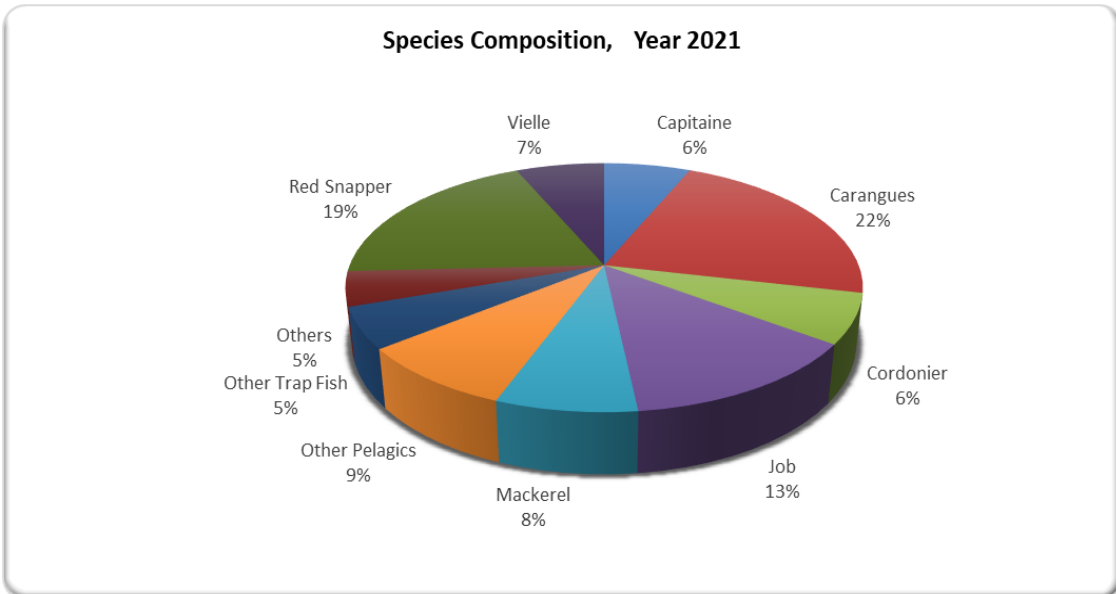


Figure 4L: Artisanal fishery Species composition of catches, Year 2021

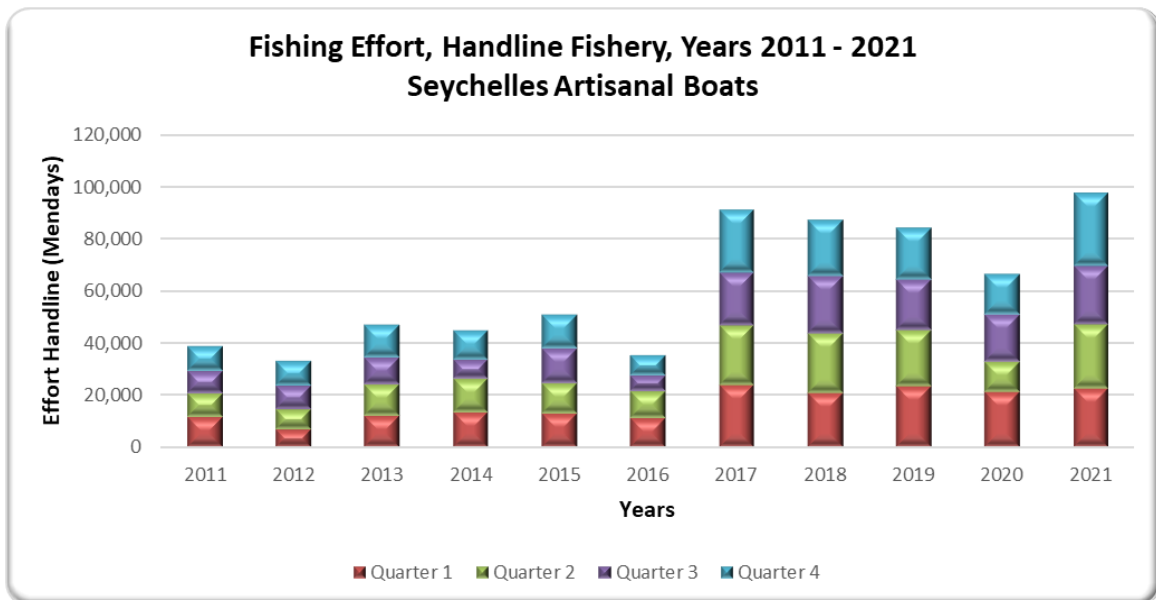


Figure 4M: Artisanal handline fishery, fishing effort, Years 2011- 2021

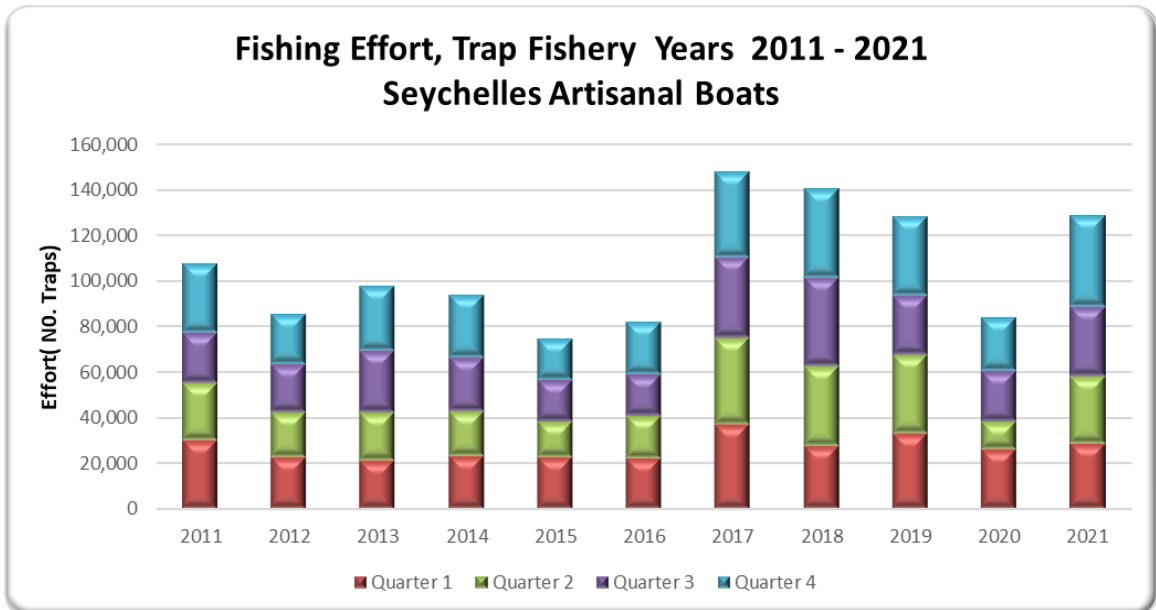


Figure 4N: Artisanal trap fishery, fishing effort, Years 2011 - 2021

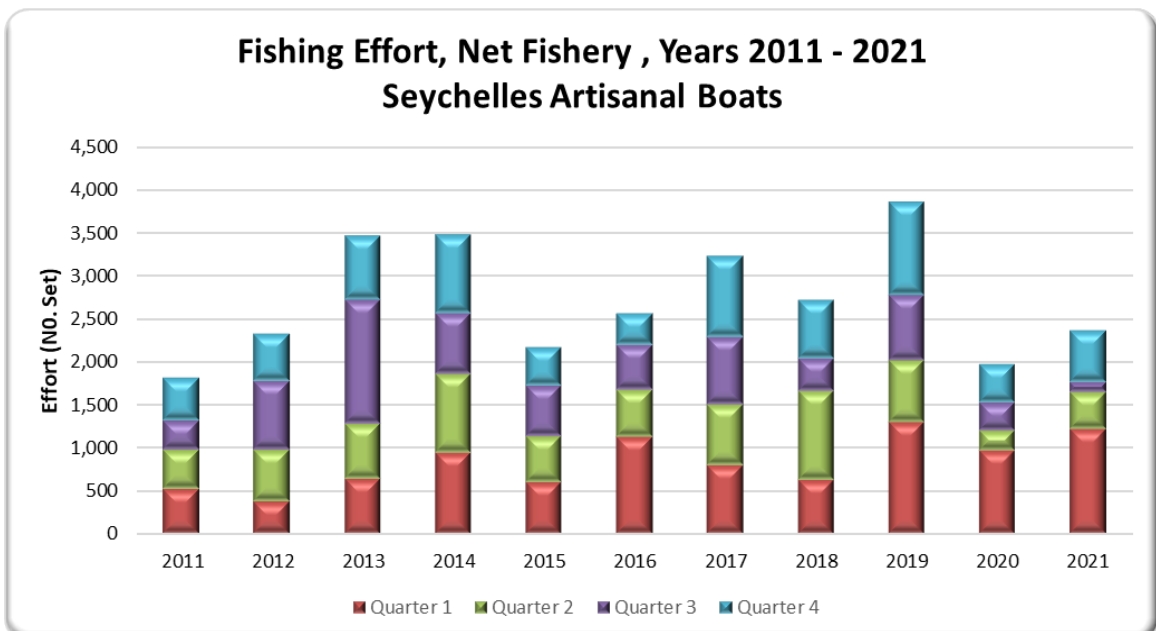


Figure 4O: Artisanal net fishery, fishing effort, Years 2011 - 2021

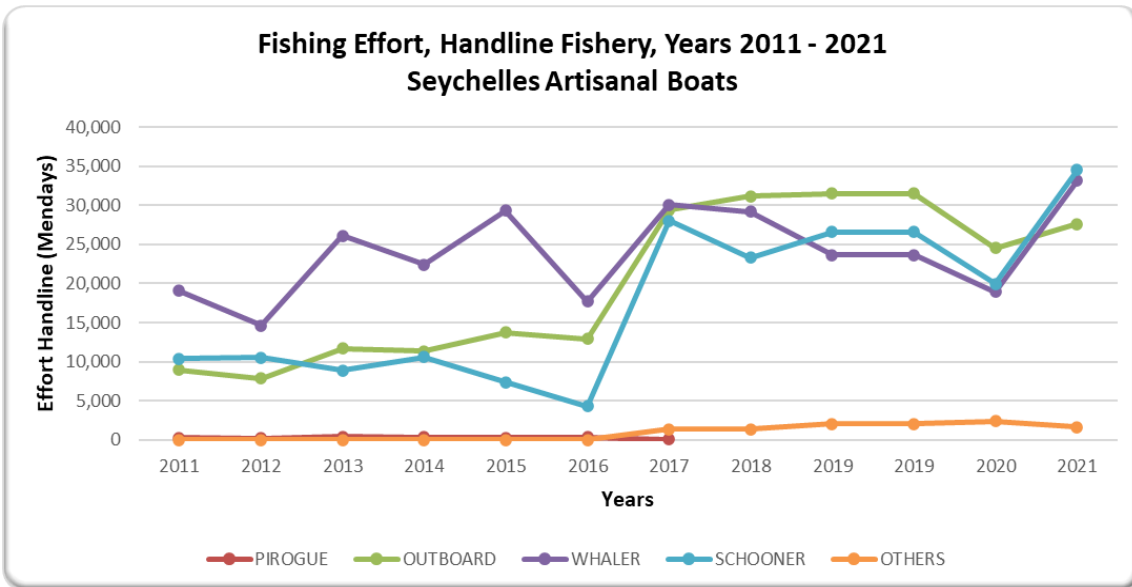


Figure 4P: Artisanal handline fishery, fishing effort by vessel type, Years 2011 - 2021

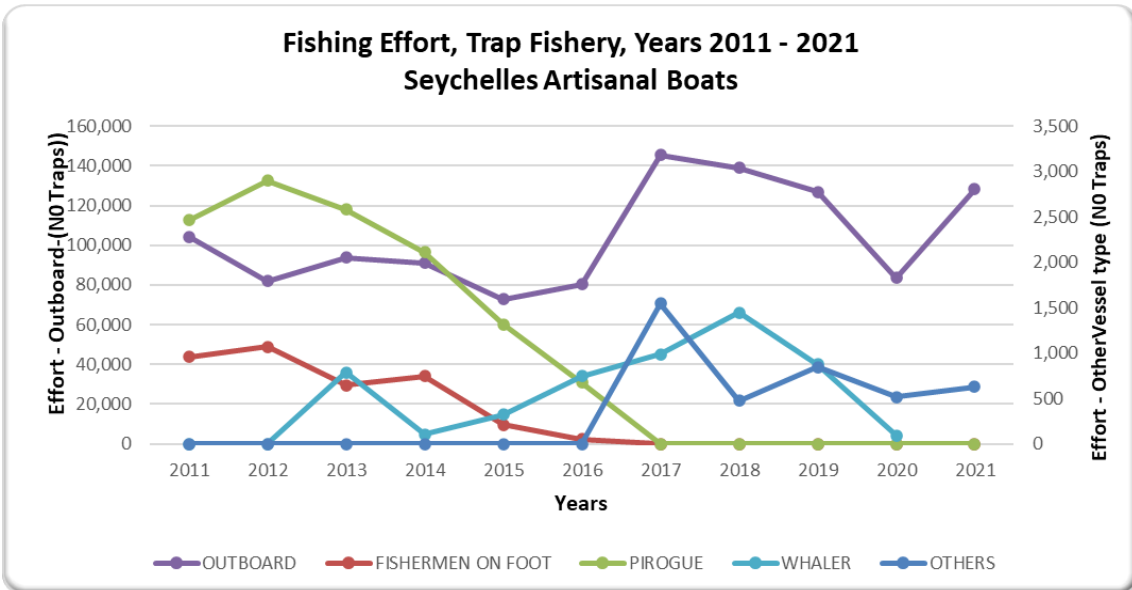


Figure 4Q: Artisanal trap fishery, fishing effort by vessel type, Years 2011 - 2021

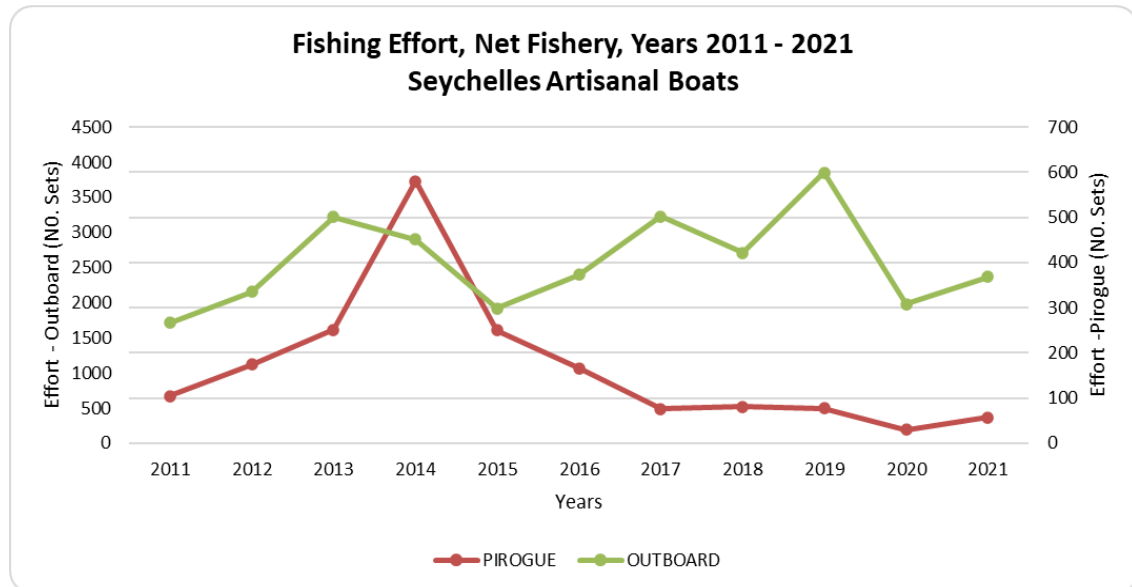


Figure 4R: Artisanal net fishery, fishing effort by vessel Type, Years 2011 - 2021

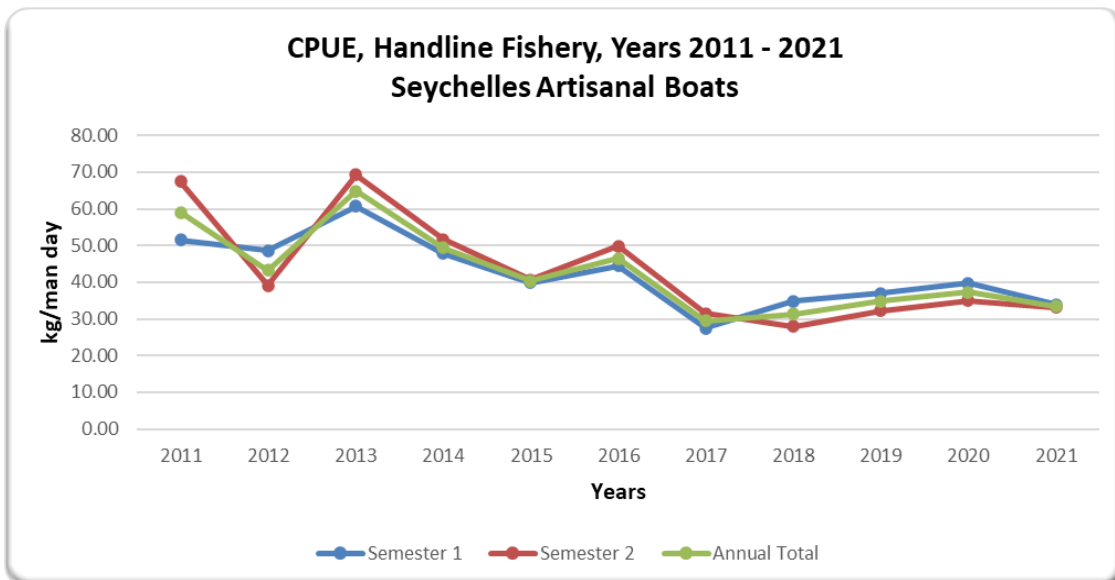


Figure 4S: Artisanal handline fishery CPUE, Years 2011 - 2021

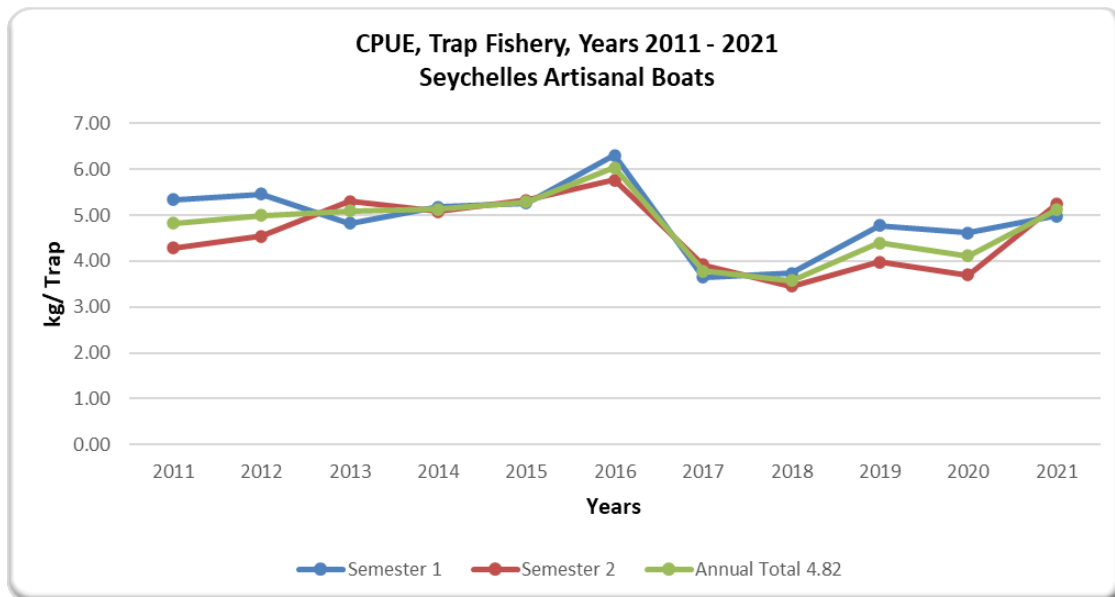


Figure 4T: Artisanal trap fishery CPUE, Years 2011 - 2021

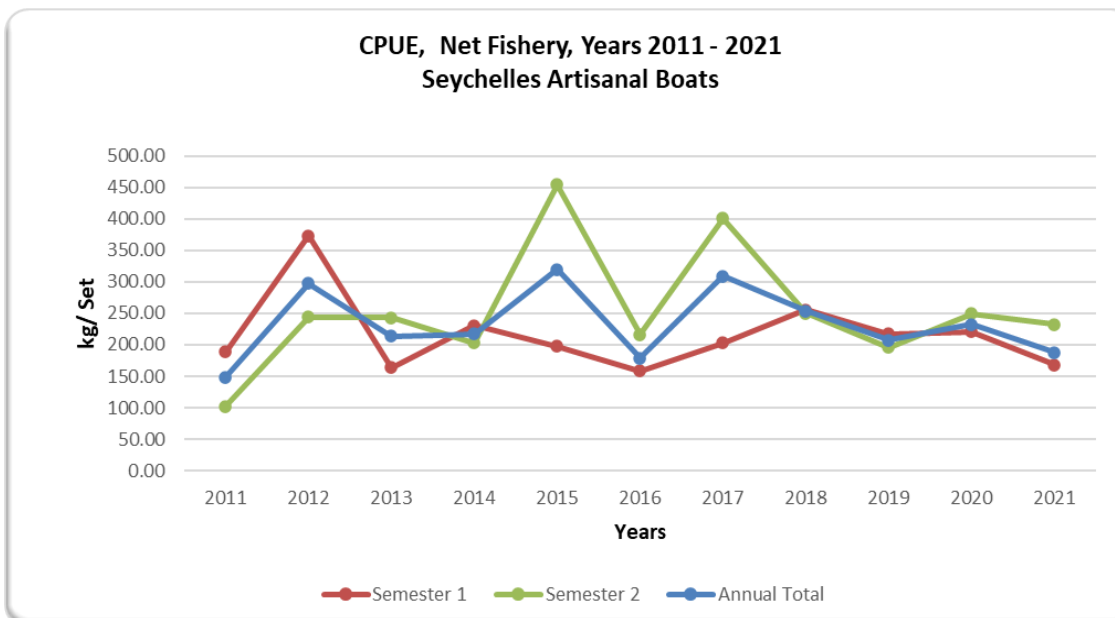


Figure 4U: Artisanal net fishery CPUE, Years 2011 - 2021

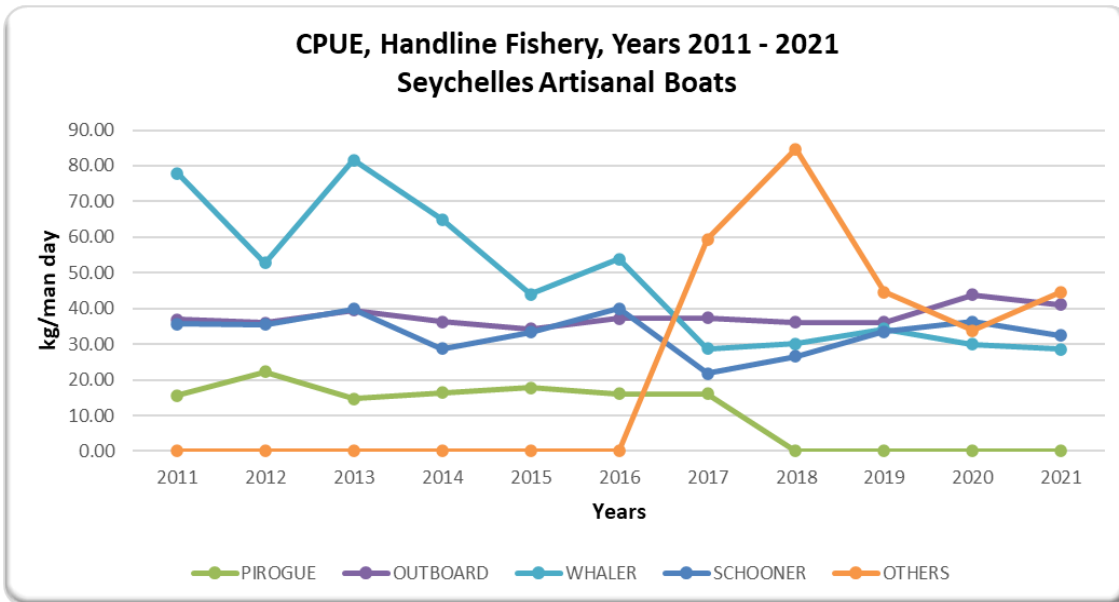


Figure 4V: Artisanal handline fishery CPUE by vessel Type, Years 2011 - 2021

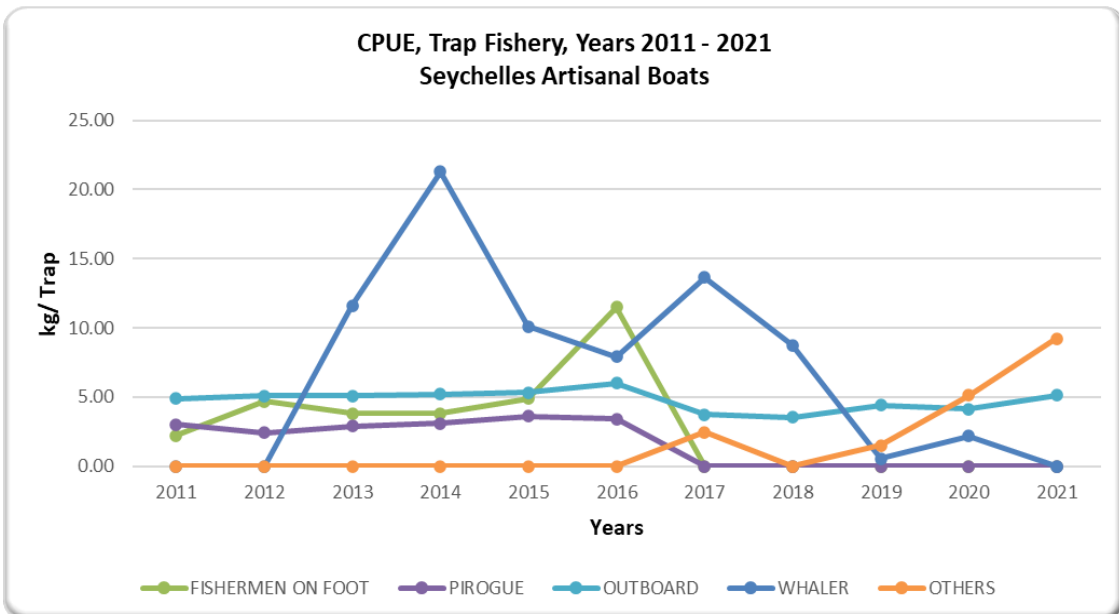


Figure 4W: Artisanal trap fishery CPUE by vessel type, Years 2011 - 2021

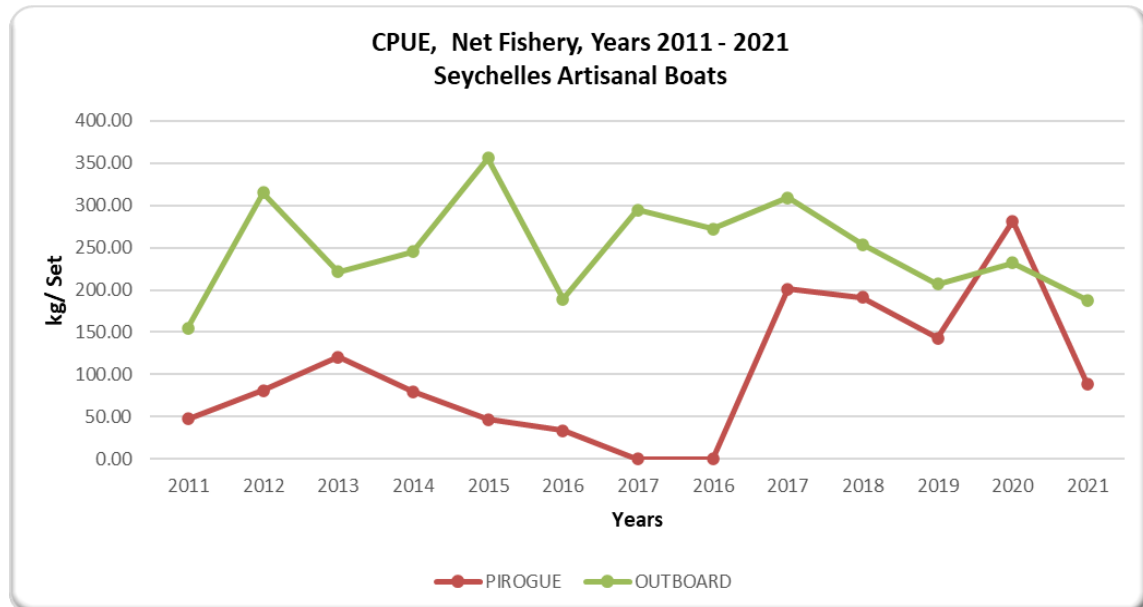


Figure 4X: Artisanal net fishery CPUE by vessel Type, Years 2011 - 2021

Sea Cucumber Fishery

5. Sea Cucumber Fishery

5.1 Catch

The landings in numbers for the 2021/2022 fishing season were 212,870 Flower teatfish, 49,964 White teatfish, and 31,177 Prickly redfish. This reflects a 12% decrease for Flower teatfish, a 6% decrease for White teatfish and a 19% decrease for Prickly redfish, compared to the 2020/2021 season (Table 5.1). For the 2021/2022 season, the percentage of the assigned quota reached was 84.1% for Flower teatfish, 88.8% for White teatfish, and 83.1% for Prickly redfish.

Total sea cucumber catch has varied over the last ten seasons, with the largest catch of 582,411 pieces reported in 2012-2013 and the lowest catch of 294,011 pieces most recently recorded for the 2021/2022 fishing season.

5.2 Effort

Over the years, fishing efforts have expanded, with 140 trips completed in 2021-2022. This is a 9.7% decline from the 2019/2020 season and 15 trips less than the 2020/2021 season. The season with the fewest trips was 2015/2016, with only 67 trips taken, while the season with the most trips was 2019/2020, with 157 trips taken. Each fishing season, vessels make an average of 7 trips (Table 5.2).

Table 5.1: Sea Cucumber landings by species and fishing seasons.

Species	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Flower Teatfish	376983	273357	275069	251029	213000	193103	177929	268047	243169	212870
White Teatfish	73051	81892	60206	53213	47986	47862	50249	66491	53241	49964
Prickly Redfish	75548	52095	34295	33821	30711	32130	37554	37061	38494	31177
Black Teatfish	9377	8200	4715	7731	5089	1029	-	-	-	
Spork	42885	21592	28272	25734	25082	3254	-	-	-	
Brown Sandfish	35	0	0	0	0	0	-	-	-	
Sandfish	265	290	226	123	136	12	-	-	-	
Elephant Trunkfish	735	0	0	0	0	0	-	-	-	
Red Surfisch	3259	66	0	0	5510	0	-	-	-	
Yellow Surfisch	273	0	0	0	0	0	-	-	-	
Total Catch	582,411	437,492	402,783	371,651	327,714	277,390	265, 732	371, 599	334,904	294011

Table 5.2: Sea cucumber fishery effort in number of trips per fishing season (2013-2021)

Seasons	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Trips (Number)	67	116	124	131	157	155	140

Lobster Fishery

6. SUMMARY OF LOBSTER FISHERY

6.1. Catch

The overall lobster catch for the 2021/2022 fishing season was 2.05 MT. The lobster fishery catch fluctuates from season to seasons. The highest catch of 6.1 MT was recorded in the 2020/2021 season, whereas the lowest catch of 0.61 MT was recorded in the 2013/2014 season. (Table 6.1). Some season of the lobster fishery remained closed due to declines in stock indicators that are monitored during the fishery and fishery independent surveys. A notable peak in catch was recorded in 2019/2020 following a two-year closure.

In terms of catch composition for the targeted species, historically *P. penicillatus* dominated the catch for all seasons with an average of 2.9 MT per season, followed by *P. longipes* with an average of 0.9 MT per seasons. For the 2021/2022 a total of 1.50 MT of *P. penicillatus* was recorded representing 73.4% of the total catch. For the same period a total of 0.9 MT was recorded for *P. longipes* amounting to 24.7% of the total catch. *P. versicolor* is less frequent, representing a total of 1.8% of the total catch (Table 6.1, Figure 6A). No catch was recorded for *P. ornatus*. The predominant fishing method is snorkelling which accounted for 99% of the total catch for the 2021/2022 season (Table 6.2, Figure 6B).

6.2. Effort

A total of 103 fishing trips were recorded during the 2021/2022 season compared to 242 trips in 2020/2021 and 196 trips in 2019/2020 representing a decrease of 57% and 47% respectively (Table 6.3).

6.3. Catch per unit effort

During the 2021/2022 fishing season estimated CPUE was 19.9 kg/trip compared to 25 kg/trip for 2020/2021 and 28 kg/trip for 2019/2020. CPUE varied over the years, the highest CPUE observed was 27.65 kg/trip obtain during the 2019/2020 season. On the other hand, the lowest CPUE was observed in 2012/13 amounting to 10.14 kg/trip. (Table 6.3)

Table 6.1: Lobster catch in metric tonnes by species and seasons.

Season: 2005/2006 – 2020/2021

Species	2006/2007	2007/2008	2011/2012	2012/2013	2013/2014	2015/2016	2016/2017	2019/2020	2020/2021	2021/2022
<i>Panulirus penicillatus</i>	4.1	2.4	2.4	1.4	0.4	4.1	3.2	4.5	4.8	1.50
<i>Panulirus longipes</i>	1.3	1.3	0.8	0.7	0.2	0.8	0.8	0.8	1.0	0.50
<i>Panulirus versicolor</i>	0.1	0.1	0.2	0.02	0.002	0.04	0.1	0.1	0.3	0.04
<i>Panulirus ornatus</i>	0.02	0.10	0.00	0.01	0.00	0.01	0.004	0.002	0.01	0.00
Total	5.6	3.9	3.3	2.1	0.6	5.0	4.1	5.4	6.1	2.05

Table 6.2: Lobster catch in metric tonnes by gear and seasons

Fishing method	2006/2007	2007/2008	2011/2012	2012/2013	2013/2014	2015/2016	2016/2017	2019/2020	2020/2021	2021/2022
Snorkelling	5.2	3.8	3.2	2.0	0.6	5.0	4.0	5.4	5.8	2.03
Scuba			0.01	0.01					0.2	0.02
Traps	0.2	0.1	0.04	0.1			0.1			
Scuba and Snorkelling				0.01				0.04	0.2	
Other	0.1									
Total	5.6	3.9	3.2	2.1	0.6	5.0	4.1	5.4	6.1	2.05

Table 6.3: Lobster fishery effort and CPUE by fishing seasons

Seasons	Trips (Number)	CPUE (kg/trip)
2006/2007	218	25.61
2007/2008	321	12.11
2011/2012	206	16.04
2012/2013	208	10.14
2013/2014	33	18.44
2015/2016	219	22.76
2016/2017	238	17.30
2019/2020	196	27.65
2020/2021	242	25.37
2021/2022	103	19.9

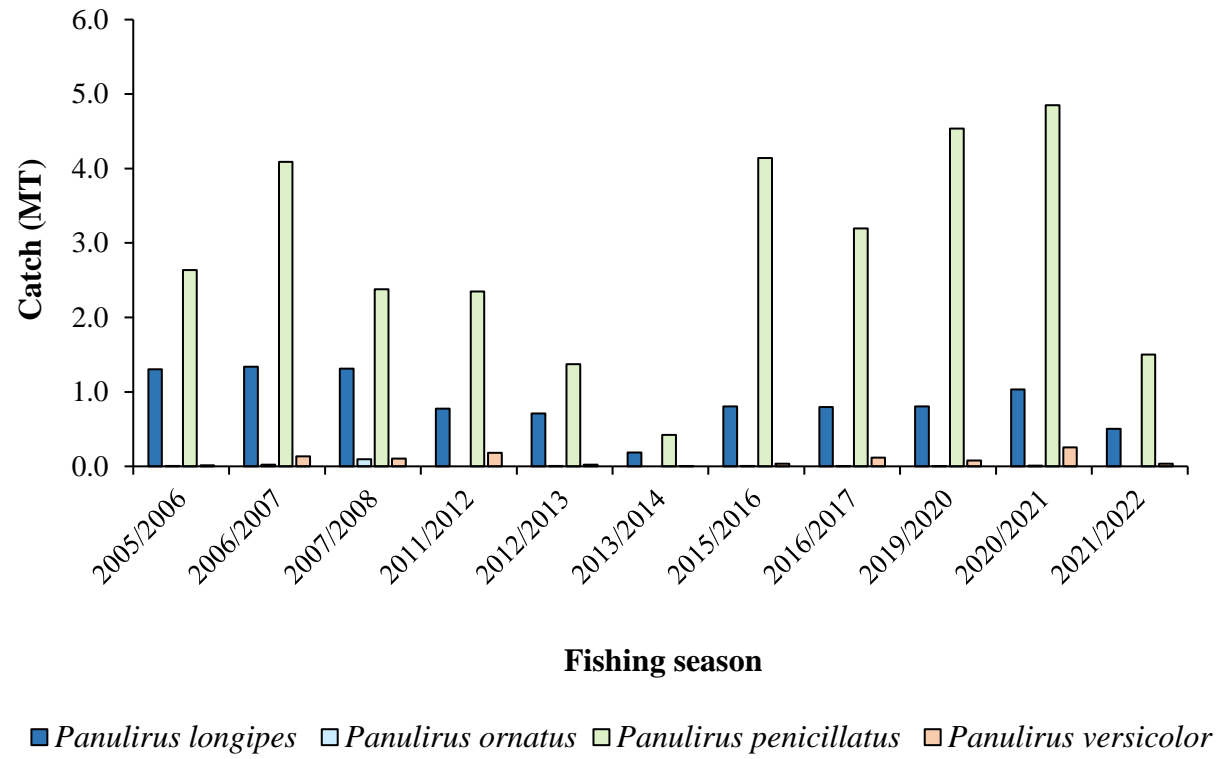


Figure 6A: Lobster catch in metric tonnes by species and seasons.

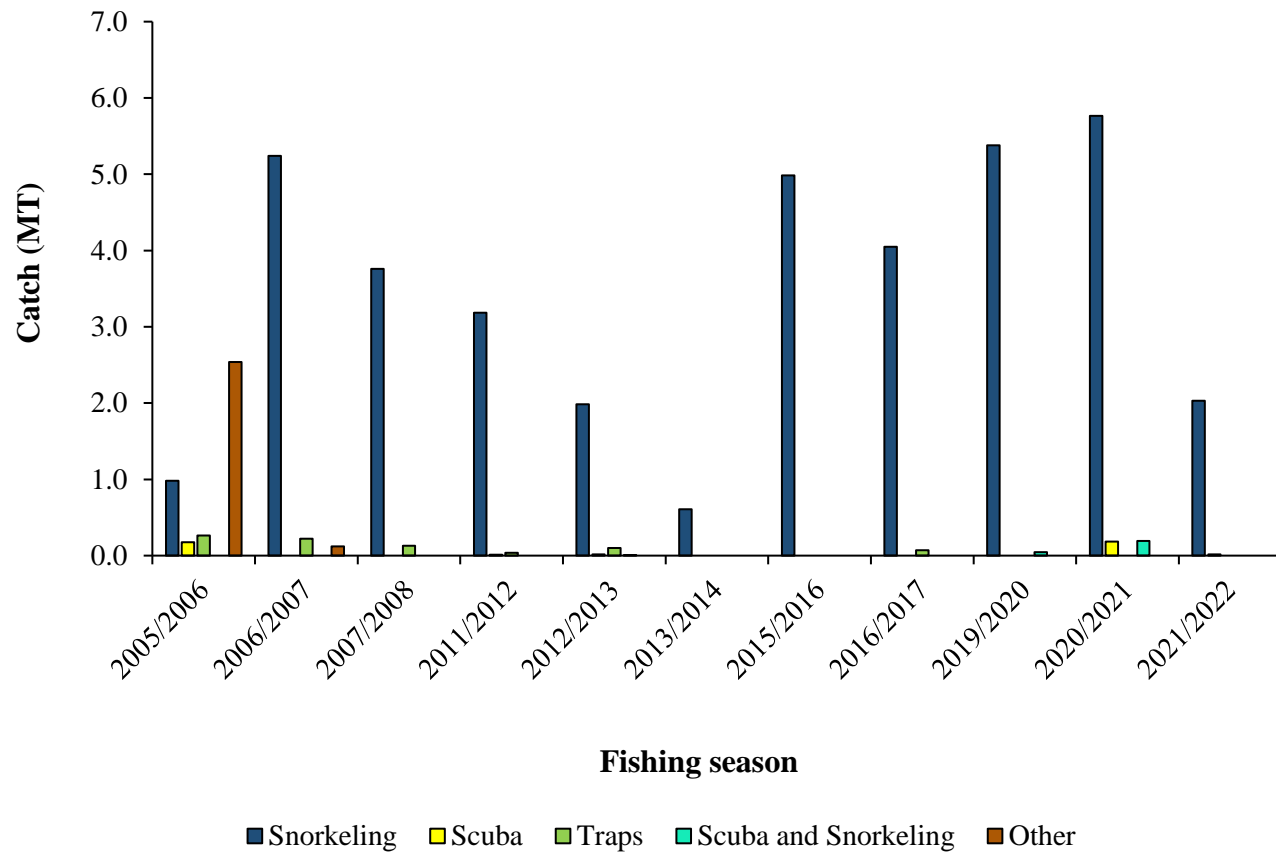


Figure 6B: Lobster catch in metric tonnes by gears and seasons.