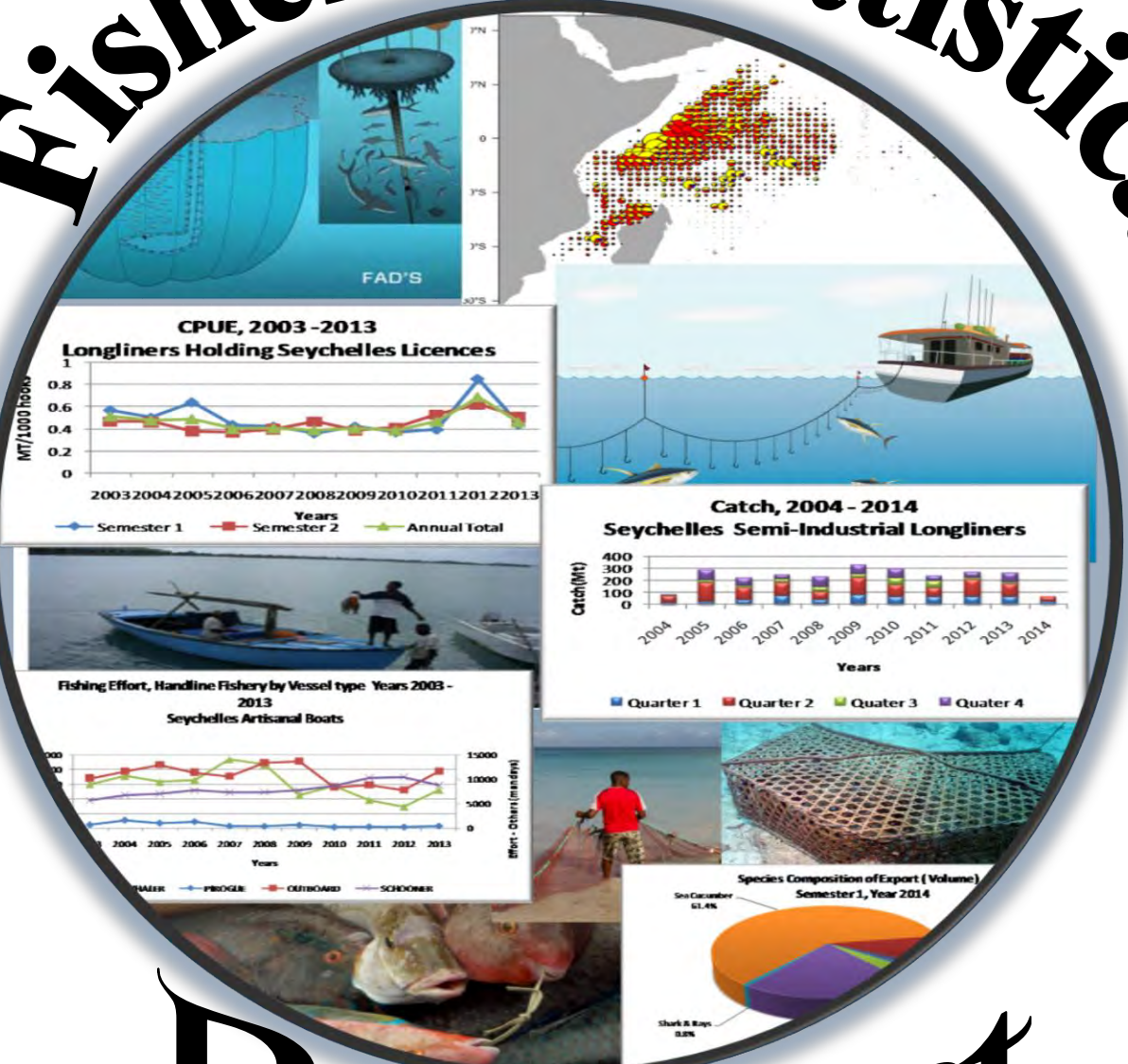




SEYCHELLES FISHING AUTHORITY

Fisheries Statistics



Report

Year 2019

Fisheries Statistical Report

Year: 2019



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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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 for 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 data in 2017 SFA implemented a new data management system for artisanal fishery which created delays in data capture and the delays in publication of this report. SFA wishes to apologise for any inconvenience caused by the delay of this publication.

Information on recreational, sea cucumber, Lobster and sport fishery is not included in this current edition but 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 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.

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Purse Seine Fishery:

Tuna purse seiners started exploratory fishing operation in Seychelles EEZ in the Indian Ocean since the early 1980s. 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 1991 and are currently of French and Spanish ownership.

Traditionally, purse seiners fished over free-swimming schools until the 1990s where changes were introduced to the fishing strategy of purse-seiners, 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 position in the middle of the tuna fishing grounds, Port Victoria has become 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 and are submitted to SFA. The logbook must be completed by vessels 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 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 taken 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 various criteria 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.

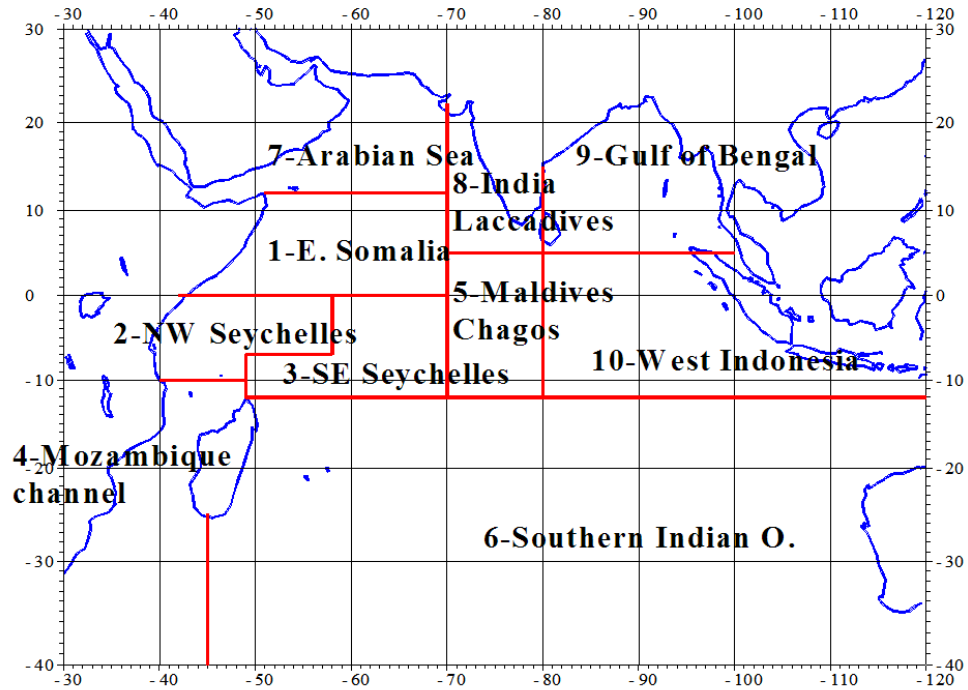
Data Processing

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 amount of fish transhipped from purse seiners to reefers or to containers, whereas those landed are amount 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 2017 - January 2018, the catch up to December 2017 will be attributed to the year 2017 and the catch made in January 2018 will be attributed to the year 2018. However, the transhipment/landing will be attributed to the year 2018 when that transhipment/ 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 in 1993 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 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:

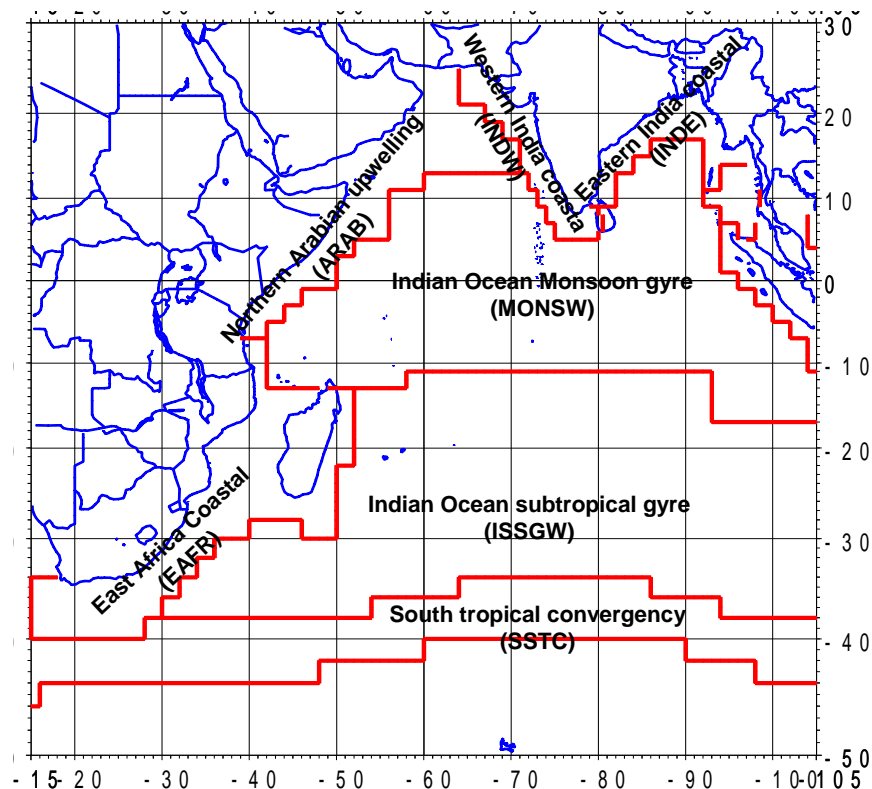
- For Tuna species the Dorsal Fork Length (DFL) are taken
- For swordfish, the Lower maxillary Fork length (LMFL) is recorded
- For Sharks, the total length is recorded

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, Since the duration of licenses can vary from one month to twelve months, for comparison purposes, each month covered in a logbook was 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 whole Indian Ocean while others confine their reports 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.

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 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.

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 has been on a decreasing trend from 57 vessels in 2009 to reach a record low of 35 vessels licensed in the year 2011 which could mostly be due to piracy threats in the Indian Ocean. This was followed by an increased in the number of vessels licensed to reach 49 vessels licensed in 2016. The number of vessels licensed has since then been on the decreased reaching 44 vessels licensed in 2018 (table1.2).
- In 2019, the number of purse seiners licensed to fish in the Seychelles EEZ increased by 1 vessel to reach a total of 45 vessels licensed (table 1.2A) out of which 13 where Seychelles flagged vessels, 28 vessels were licensed under the EC agreement and 5 vessels were operating under other private agreement. It must be noted that one vessel also changed flag from French flag to Mauritian flag.
- During the year 2019, the number of supply vessels licensed to operate inside the Seychelles EEZ decreased by 5 vessels to reach 17 supply vessels licensed out of which 6 vessels were licensed under Spanish flag and 6 vessels were licensed under Seychelles flag.
- The total number of purse seiners active shows similar historical trend to the number of vessels licensed over the last 10 years (table 1.2B). On average 41 vessels were active per month during the year 2019 compared to 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 the purse seine catches in Seychelles over the last 10 years shows that following a slight 6% increase in catches to reach a total of 262,719 MT in 2010 from the previous year, the purse seine catches has recorded a 10% decreased to 231,477 MT in 2012. Catches has since then increased steadily to reach a total 439,831 MT in 2018 (figure 1A).

Following a 15% decreased in fishing effort to 9,318 fishing days between the years 2009 and 2010, the fishing effort has then been on an upward trend until 2016 to reach 13,825 fishing days (figure 1B). The fishing effort subsequently decreased to reach 10,889 fishing days in 2018.

The CPUE increased from 24.02 MT/ fishing day in 2009 to reach 29.97MT/ fishing day in 2010 and has since then fluctuate between 27.29 MT/ fishing day and 22.71 MT/ fishing day until 2016. An increased in CPUE has been observed from 2016 to reach 40.39 MT/fishing day in 2018 (table 1.3 and figure 1C).

- Based on 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 2019 is estimated at 406,455 MT, representing 8% decreased over the estimated catch of 439,831 MT reported in

2018 (table 1.3B). This is the second highest catch recorded since 2006. The fishing effort recorded 7% decrease from 10,889 fishing days estimated for the previous year to 10,115 fishing days estimated for the year 2019. The mean catch rate (CPUE) decreased slightly from 40.39 MT/ fishing day in 2018 to 40.18 MT/ fishing day for the year 2019.

- The purse seine tuna catches in the Western Indian Ocean during the first semester of 2019 is estimated at 200,485 MT representing a 15% decrease in catches over the same period in 2018. This was achieved from a fishing effort of 5,256 fishing days thus giving a mean catch rate of 38.15 MT/ fishing day (table 1.3). The total catch for the first semester of 2018 is estimated at 235,734 MT achieved from a fishing effort of 5,744 fishing days with a mean catch rate of 41.04 MT/ fishing day.
- During the second semester of 2019, a total catch of 205,971 MT was reported, achieved from a fishing effort of 4,860 fishing days representing 1% increase over the 204,097 MT reported during the same period the previous year. The fishing effort for second semester of 2018 was estimated at 5,145 fishing days. The catch rate for the second semester increased from 39.67 MT/ fishing day in 2018 to 42.38 MT/ fishing day in 2019.

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 2019 was dominated by the Spanish fleet accounting for 43% of the total catch whilst the Seychelles and French fleet accounted for 28% and 17% respectively. During the previous year the Spanish, Seychelles and French fleet accounted for 43%, 28% and 19% of the total purse seine catches in WIO respectively.
- In 2019, the Spanish fleet reported a total catch of 176,168 MT compared to 189,168 MT during the same period of the previous year, representing a 7% decrease in catches with a fishing effort of 3,696 fishing days. The catch rate for the Spanish fleet for the year 2019 and 2018 stand at 47.67 MT/ fishing day and 54.60 MT/ fishing day respectively
- The total catch for the Seychelles fleet decreased by 9% from 123,310 MT in 2018 to 112,621 MT in 2019 despite a 5% increase in fishing effort. The latter decreased from 2786 fishing days in 2018 to 2922 fishing days in 2019. The catch rate for the Seychelles fleet decreased from 44.25 MT/ fishing in 2018 to 38.54 MT/ fishing in 2019 (table 1.3B).
- The estimated catch for the French fleet also decreased by 17% in 2019 when compared to the previous year. A total catch of 71,027 MT was reported in 2019 compared to 85,220 MT recorded the previous year (table 1.3D). The fishing effort for the French fleet decreased by 37% from 3288 fishing days in 2018 to 2088 fishing days in 2019. Nonetheless, the catch rate increased from 25.92 MT/ fishing day in 2018 to 34.02 MT/ fishing day for the year 2019.
- The remaining 46,639 MT of catches reported for the year 2019 was caught by Mauritian, Italian and South Korean vessels achieved from a fishing effort of 1,410 fishing days with a mean catch rate of 33.08 MT/ fishing day. This represents an increase of 13% in catches with a 5% decrease in fishing effort. During the previous year, vessels under other flags reported an estimated catch of 41,433 MT from a fishing effort of 1,337 fishing days with a mean catch rate of 30.99 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.*

- During the year 2019, Skipjack tuna dominated the total purse seine catches, accounting for 62% of the total catch followed by yellowfin tuna representing for 32% of the total catch, whilst bigeye tuna made up only 6% of the total catch. Similar species composition for yellowfin tuna and skipjack tuna were observed during the previous year.
- In 2019, Skipjack tuna catches decreased by 9% from 274,315 MT in 2018 to an estimated total of 252,131 MT. The total yellowfin catches are estimated at 128,907 MT, 8% lower than the 140,273 MT reported for the previous year whilst bigeye tuna catches increased by 4%, from 23,261 MT in 2018 to 24,160 MT in 2019.

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 (table 1.5A and figure 1G).
- In 2019, a total of 334,123 Mt of tuna were caught on FAD's associated school representing 82% of the total catch and 62,067 MT or 15% of the total catch was caught on free swimming school. During the previous year, 93% or 408,091 MT of catches were on FAD's associated schools whilst 5% or 21,684 MT of the catches were reported to have been caught on free swimming school. This reflects a 18% decrease in catches on FAD's associated school and a remarkable 186% increase in catches on free swimming school.
- Species wise, 65% of the catch on FAD's associated school were skipjack tuna and 29% were yellowfin tuna like that of the previous year. Bigeye tuna accounted for only 6% of the catches on FADs. Catches on free swimming schools were dominated by yellowfin tuna representing 50% of the total catch whilst skipjack and bigeye tuna accounted for 41% and 9% of the catches on free swimming schools respectively. During 2018, yellowfin tuna accounted for 66% of the total catch whilst skipjack and bigeye tuna accounted for 24% and 10% 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 over the last 10 years with a peak of 92,958 MT recorded in 2016 and

the lowest catch of 36,013 Mt recorded in 2013 (figure 1D). The fishing effort increased steadily from the year 2009 to a peak of 3,096 fishing days in 2012, then dropped to 2,183 fishing days in 2013 and had since then been increasing to reach a peak of 4740 fishing days in 2016 (figure 1E). From 2016 onward, the fishing effort has been on a decreasing trend. The CPUE analysis shows a downward trend from 25.11 MT/fishing day in 2010 to a dip of 15.70 MT/ fishing day in 2014 followed by an increasing trend to 31.47 MT/ fishing day in 2018 (figure 1F).

- A total catch of 85,052 MT was reported inside the Seychelles EEZ during the whole year 2019 representing a 4% decrease from the 88,649 MT reported for the year 2018, which corresponds to a 9% decrease in fishing effort from 2,817 fishing day in 2018 to 2,577 fishing days in 2019. The mean catch rate for 2019 inside the Seychelles EEZ stands at 33.00 MT/fishing day compared to 31.47 MT/fishing day in 2018 (table 1.4).
- The purse seine tuna catch reported inside the Seychelles EEZ during the first semester of 2019 is estimated at 46,443 MT (table 1.4A) achieved from a fishing effort of 1,418 fishing days, thus giving a mean catch rate of 32.75 MT/ fishing day. This represents a slight decrease of only 1% in catches corresponding to a 7% decrease in fishing effort over the same period, the previous year (table 1.4A). During the first semester of 2018, the purse seine tuna catches reported inside the Seychelles EEZ was estimated at 47,061 MT (table 1.4A) achieved from a fishing effort of 1,517 fishing days, thus giving a mean catch rate of 31.03 MT/ fishing day (table 1.4A).
- During the second semester of 2019, a total of 38,609 MT of tuna were reported to have been caught by purse seiners inside the Seychelles EEZ obtain from a fishing effort of 1,159 fishing days, thus giving a mean catch rate of 33.31 MT/ fishing day. This represents a decrease of 7% in total catch from 41,587 MT of catches reported during the second semester of 2018 attributed to a 11% decrease in fishing effort.
- The monthly trend in catches shows that highest catch inside the Seychelles EEZ was recorded in March with total catch of 15,546 MT and highest catch rate was recorded in the month of June with a mean catch rate of 44.70 MT/fishing day. During the previous year, the highest catch and catch rate were reported during the month of January with an estimate catch of 15,384 MT and a mean catch rate of 56.38 MT/fishing day.

1.5.1. Activity inside the Seychelles EEZ by Fleet

- During the year 2019, the Spanish and the French fleet dominated the total catch inside the Seychelles EEZ accounting for 32% and 29% respectively whilst the Seychelles fleet represented 21% of the total catch. During the previous year the Spanish, French and Seychelles fleet accounted for 36%, 26% and 28% of the Seychelles EEZ catches respectively.
- In 2019, the Spanish fleet reported catches inside of the Seychelles EEZ decrease by 14% whilst fishing effort increased by 3% when compared to the previous year. The estimated catch reported by the Spanish fleet in 2019 is estimated at 27,00 MT with a mean catch rate of 36.57 MT/fishing day compared to a total estimated catch of 31,540 MT and a mean catch rate of 44.17 MT/fishing day in 2018 (table 1.4C).

- The French fleet reported a total catch of 24,442 MT inside the Seychelles EEZ and a mean catch rate of 32.90 MT/ fishing day during the year 2019 (table 1.4 D). This represents an increase of 8% in catches by the fleet despite a 29% decrease in fishing effort inside the Seychelles EEZ thus giving an increased mean catch rate of 32.90 MT/fishing day compared to 21.96 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 that following a dropped in catches from 75,787 MT in 2010 to 50,938 MT in 2012, the catches has since then increased steadily to reach a peak of 123,310 MT in 2018. From the year 2009, the fishing effort has been on a downward trend to a mere 1,809 fishing days in 2013 and has since then fluctuate between 2,109 to 4,092 fishing days. The CPUE fluctuated between 23.88 MT/ fishing day and 44.25 MT/ fishing day (table 1.3).
- The Seychelles flagged purse seiners reported a record catch of 112,621 MT in the WIO in 2019, achieved from a fishing effort of 2,922 fishing days thus giving a mean catch rate of 38.54 MT/fishing day representing a 9% decrease in catches even with a 5% increase in fishing effort. In 2018 the Seychelles purse seine fleet reported a total catch of 123,310 MT obtained from a fishing effort of 2,786 fishing days with a mean catch rate of 44.25 MT/ fishing day (table 1.3B).
- The catches of the Seychelles purse seine fleet inside the Seychelles EEZ in 2019 is estimated at 18,088 MT compared to 24,812 MT during the previous year thus decreasing by 27% (table 1.4B). This was achieved from fishing effort of 634 fishing days, a slight 2% decrease from 648 fishing days in 2018. The mean catch rate for the Seychelles fleet inside the Seychelles EEZ is estimated at 28.55 MT/ fishing day and 38.29 MT/ fishing day in 2019 and 2018 respectively (table 1.4B).
- In terms of geographical areas, 64% of the Seychelles purse seine fleet catches reported to have been caught on the high seas and only 16% of its catches were reported to have been caught inside of the Seychelles EEZ in 2019 whilst the remaining 20% were reported to have been caught in foreign EEZ (table 1.4F). During the previous year, 74% and 20% of the Seychelles fleet catches were caught on the high seas and inside the Seychelles EEZ respectively.

1.7. Purse seine statistics by Access Regime

- In 2019, purse seiners licensed to operate inside of the Seychelles EEZ were operating under the National or Seychelles flag licences, the European Community (EC) agreement and under individual agreement with South Korea and Mauritius hereafter group as 'Others'.
- During the year 2019, vessels fishing under the EC agreement reported a total catch of 53,908 MT or 64% of the total reported catch inside the Seychelles EEZ. This represents a decrease of 4% in catches inside the Seychelles EEZ from the 55,927 MT reported in 2018. This was achieved from a fishing effort of 1,563 fishing days thus giving a mean catch rate of 34.50 MT/ fishing day.

A total of 1,897 fishing days and a mean catch rate of 29.48 MT/ fishing day were reported for the year 2018 (table 1.6).

- Vessels under other agreement also recorded a remarkable increase of 65% in catches corresponding to a 40% increase in fishing effort inside the Seychelles EEZ during the year 2019 when compared to the previous year. In 2019 Vessel under other agreement reported a total catch of 13,056 MT accounting for 15% of the total EEZ catch obtained from a fishing effort of 381 fishing days giving a mean catch rate of 34.29 MT/ fishing day. This compared to an estimated total catch of 7,910 MT for the year 2018 corresponding to a fishing effort of 272 fishing days thus giving a mean catch rate of 29.11 MT/ fishing day.

1.8. Landing and Transhipment Statistics

- Time series analysis of landing and transhipment shows that following a drop of 18% in the volume of purse seine catches unloaded in Port Victoria in the year 2010, the landing and transhipment has thereafter been on an increasing trend to reach a peak of 423,740 MT in 2018 (table 1.7 and figure 1K).
- Like previous years, Port Victoria remained the principal port for tuna transhipment and landing by purse seiners in the WIO during the year 2019. A total of 387,708 MT of tuna was unloaded through port Victoria compared to 423,740 MT in 2018. This represents 95% of the total landing and transhipment for that year (figure 1L) and an 9% decrease from the previous year.
- In 2019, a total catch of 340,437 MT or 88% of total purse seine catches unloaded in Port Victoria were transhipped onto reefers or into containers for export whilst the remaining 12% or 47,271 MT of tuna were landed in Port Victoria for local processing or sale (table 1.8). In 2018, a total of 369,999 MT of tuna were transhipped and 53,742 MT were landed in Port Victoria. These represent a decrease of 10% in transhipment and a drop of 12% in landings in port Victoria respectively during the year 2019 compared to the previous year.
- Out of the 340,437 MT of tuna transhipped in Port Victoria, 40% or 136,769 MT were transhipped onto reefer vessels whilst 60% or 203,668 MT were transhipped into containers for export (table 1.9). This represents an increase of 64% of tuna transhipped via containers and a decrease of 44% of tuna transhipped via reefer vessels respectively when compared to the previous year. In 2018 a total of 245,971 MT or 66% of total tuna transhipped were by reefer vessels and 34% or 124,028 MT of tuna were transhipped into containers.
- Analysis of catch landed/transhipped in port Victoria by fleet shows that historically, the Spanish fleet dominated tuna unloading in Port Victoria. In 2019 the Spanish fleet landed and transhipped a total of 166,173 MT of tuna in port Victoria representing 44% of the total catch unloaded in Port Victoria during that year whilst the French and Seychelles fleet accounted for 18% (or 70,546 MT) and 27% (or 104,568 MT) respectively (table 1.8). During the previous year, the Spanish fleet accounted for 44% (or 188,420 MT) of landing and transhipment in Port Victoria whilst the French and Seychelles fleet accounted for 19% (or 81,697 MT) and 29% (or 121,907 MT) respectively.

1.9. Fishing Ground

- Map 1A and 1B show the distribution of reported catch of purse seiner by 1° square in the WIO for the years 2018 and 2019 respectively. Map 1C and 1D shows the distribution of reported catch of purse seiner by 1° square in the WIO for the 1st Semester of 2018 and 2019 respectively whilst maps 1E and 1F show the distribution of reported catch of purse seiner by 1° square in the WIO for the 2nd Semester of 2018 and 2019 respectively.
- Maps 1B show that the 2019 fishing pattern appears to be like that of the previous year (Map 1A) with a slight increase in catches in the Mozambique channel and decrease catches in the Maldives and Chagos area.
- Maps 1D show decreased catches in the NW Seychelles area and Arabian sea area with increased catches in the Mozambique Channel and the SE Seychelles area during the first semester of 2019 when compared to the same period in 2018 (Map 1C).
- Maps 1F show increase catches in the Arabian sea area in the second semester of 2019 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 30/10/2020)

Vessel Type: Purse Seiners

Years: 2009 - 2019

Access Regime	Country	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
National	Seychelles	12	9	8	8	7	11	13	13	13	13	13
National Total		12	9	8	8	7	11	13	13	13	13	13
EC	Spain	20	16	14	15	14	15	17	16	14	14	15
	France	18	15	8	10	8	13	13	12	12	12	12
	Italy	1						1	1	1	1	1
EC Total		39	31	22	25	22	28	31	29	27	27	28
Others	Mauritius					2	2	2	2	2	2	3
	Mayotte	3	5	5	5	5						
	Korea, South				1	3	4	5	5	4	2	2
	Thailand	4	4									
Others Total		7	9	5	6	10	6	7	7	6	4	5
		57	49	35	38	39	44	49	49	46	44	45

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

Years: 2009 - 2019

Access Regime	Country	2009	2010	2011	2012	2013	Year 2014	2015	2016	2017	2018	2019
National	Seychelles	7	8	6	3	4	6	7	9	8	7	6
National Total		7	8	6	3	4	6	7	9	8	7	6
EC	Spain	4	4	4	5	6	10	11	11	11	11	6
	France								1	1	2	2
	Italy										1	1
EC Total		4	4	4	5	6	10	11	12	12	14	9
Others	Korea									1	1	1
	Mauritius							1	1	1	1	1
Others Total		0	0	0	0	0	0	1	1	2	2	2
	Annual Total	11	10	9	8	10	16	19	22	22	22	17

* Number of Vessels change of flag		2	1								1	
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TABLE 1.2A. Purse Seiners Holding Licenses by Country of Registration

(Database Closed on 30/10/2020)

Year: 2018

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Total
Jan	13	14	12	1	2	2	44
Feb	13	14	12	1	2	2	44
Mar	13	14	12	1	2	2	44
Apr	13	14	12	1	2	2	44
May	13	14	12	1	2	2	44
Jun	13	14	12	1	2	2	44
Jul	13	14	12	1	2	2	44
Aug	13	14	12	1	2	2	44
Sep	13	14	12	1	2	2	44
Oct	13	14	12	1	2	2	44
Nov	13	14	12	1	2	2	44
Dec	13	14	12	1	2	2	44
Year Average	13	14	12	1	2	2	44
Quarter 1	13	14	12	1	2	2	44
Quarter 2	13	14	12	1	2	2	44
Quarter 3	13	14	12	1	2	2	44
Quarter 4	13	14	12	1	2	2	44
First Semester	13	14	12	1	2	2	44
Second Semester	13	14	12	1	2	2	44

Year: 2019

Month	Seychelles	Spain	France*	Italy	Korea	Mauritius*	Total
Jan	13	14	12	1	2	2	44
Feb	13	14	11	1	2	3	44
Mar	13	14	11	1	2	3	44
Apr	13	14	11	1	2	3	44
May	13	14	11	1	2	3	44
Jun	13	14	11	1	2	3	44
Jul	13	14	11	1	2	3	44
Aug	13	15	11	1	2	3	45
Sep	13	15	11	1	2	3	45
Oct	13	15	11	1	2	3	45
Nov	13	15	11	1	2	3	45
Dec	13	15	11	1	2	3	45
Year Average	13	14	11	1	2	3	44
Quarter 1	13	14	11	1	2	3	44
Quarter 2	13	14	11	1	2	3	44
Quarter 3	13	15	11	1	2	3	45
Quarter 4	13	15	11	1	2	3	45
First Semester	13	14	11	1	2	3	44
Second Semester	13	15	11	1	2	3	45

* In 2019, 1 vessel changed flag from France to Mauritius.

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

(Database Closed on 30/10/2020)

Years: 2009 - 2019

Access Regime	Country	Year										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
National	Seychelles	10	9	8	8	7	10	13	13	13	13	13
National Total		10	9	8	8	7	10	13	13	13	13	13
EC	Spain	15	13	13	15	14	15	17	14	14	14	15
	France	16	8	8	10	8	13	12	12	12	12	12
	Italy	1						1	1	1	1	1
EC Total		32	21	21	25	22	28	30	27	27	27	28
Others	Mauritius					1	2	2	2	2	2	3
	Mayotte	2	5	5	5	5						
	Korea				1	3	4	5	5	3	2	2
	Thailand	4	3									
Others Total		6	8	5	6	9	6	7	7	5	4	5
	Annual Total	47	38	34	38	38	43	49	47	45	44	45

* Number of Vessels operated under different flag	1				1		1	2				1
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TABLE 1.2C. Purse Seiners Active by Country of Registration

(Database Closed on 30/10/2020)

Year: 2018

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Total
Jan	13	14	12	1	2	2	44
Feb	13	14	12	1	2	2	44
Mar	13	14	12	1	2	2	44
Apr	13	13	10	1	2	2	41
May	11	14	11	1	2	2	41
Jun	10	14	11	1	2	2	40
Jul	10	14	12	1	1	2	40
Aug	13	14	12	1	1	2	43
Sep	13	14	12	1	1	2	43
Oct	13	14	12	1	1	2	43
Nov	7	14	12	1	1	2	37
Dec	2	7	11	1	1	2	24
Year Average	11	13	12	1	2	2	40
Quarter 1	13	14	12	1	2	2	44
Quarter 2	11	14	11	1	2	2	41
Quarter 3	12	14	12	1	1	2	42
Quarter 4	7	12	12	1	1	2	35
First Semester	12	14	11	1	2	2	42
Second Semester	10	13	12	1	1	2	38

Year: 2019

Month	Seychelles	Spain	France*	Italy	Korea	Mauritius*	Total
Jan	12	14	12	1	2	2	43
Feb	12	14	11	1	2	3	43
Mar	13	13	11	1	2	3	43
Apr	13	13	10	1	2	3	42
May	13	12	10	1	2	3	41
Jun	12	12	10	1	2	3	40
Jul	11	13	11	1	2	3	41
Aug	12	14	10	1	2	3	42
Sep	13	15	10	1	2	3	44
Oct	12	14	11	0	2	3	42
Nov	8	15	11	0	2	3	39
Dec	7	14	11	0	2	3	37
Year Average	12	14	11	1	2	3	41
Quarter 1	12	14	11	1	2	3	43
Quarter 2	13	12	10	1	2	3	41
Quarter 3	12	14	10	1	2	3	42
Quarter 4	9	14	11	0	2	3	39
First Semester	13	13	11	1	2	3	42
Second Semester	11	14	11	1	2	3	41

* In 2019, 1 vessel changed flag from France to Mauritius.

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

(Database Closed on 30/10/2020)

Country: ALL**Semester 1, Years: 2009 - 2019**

Year	Effort		Catch Rate				Catches (MT)						Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2009	5,789	20.04	37,645	32	63,263	55	14,706	13	339	0	47	0	116,000
2010	4,513	28.52	43,175	34	72,692	56	12,627	10	153	0	46	0	128,692
2011	4,618	24.99	39,951	35	64,804	56	9,983	9	646	1	28	0	115,412
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	9,508	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

Country: ALL**Semester 2, Years: 2009 - 2019**

Year	Effort		Catch Rate				Catches (MT)						Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2009	5,148	28.50	47,176	32	87,156	59	12,281	8	82	0	24	0	146,718
2010	4,806	31.33	59,952	40	81,090	54	9,475	6	35	0	0	0	150,552
2011	4,940	28.94	70,623	49	62,346	44	9,882	7	98	0	0	0	142,949
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

Country: ALL

Years: 2009 - 2019

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2009	10,936	24.02	84,821	32	150,420	57	26,987	10	421	0	70	0	262,719
2010	9,318	29.97	103,127	37	153,782	55	22,102	8	187	0	46	0	279,244
2011	9,558	27.03	110,574	43	127,150	49	19,864	8	744	0	28	0	258,361
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

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

(Database Closed on 30/10/2020)

Country: ALL

Year: 2018

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	44	44	1,091	53.99	17,308	29	37,625	64	3,909	7	4	0	72	0	58,918
Feb	44	44	975	57.41	17,929	32	34,397	61	3,595	6	9	0	65	0	55,994
Mar	44	44	1,048	36.69	12,425	32	23,449	61	2,425	6	14	0	135	0	38,449
Apr	44	41	1,009	37.57	12,063	32	23,074	61	2,361	6	9	0	406	1	37,912
May	44	41	901	27.27	5,685	23	17,251	70	940	4	4	0	701	3	24,581
Jun	44	40	719	27.64	7,926	40	10,694	54	1,108	6	6	0	147	1	19,881
Jul	44	40	871	41.41	11,827	33	22,538	63	1,666	5	10	0	17	0	36,058
Aug	44	43	1,024	37.47	12,681	33	23,920	62	1,744	5	6	0	8	0	38,359
Sep	44	43	1,026	46.20	13,940	29	31,475	66	1,829	4	9	0	130	0	47,383
Oct	44	43	1,027	37.64	10,397	27	26,700	69	1,473	4	14	0	82	0	38,666
Nov	44	37	770	37.10	11,726	41	15,396	54	1,349	5	8	0	102	0	28,581
Dec	44	24	427	35.25	6,366	42	7,798	52	862	6	9	0	15	0	15,049
Annual	44	40	10,889	40.39	140,273	32	274,315	62	23,261	5	103	0	1879	0	439,831
Quarter 1	44	44	3,115	49.24	47,662	31	95,471	62	9,930	6	27	0	272	0	153,361
Quarter 2	44	41	2,630	31.32	25,674	31	51,018	62	4,409	5	19	0	1253	2	82,373
Quarter 3	44	42	2,920	41.71	38,449	32	77,933	64	5,239	4	25	0	154	0	121,800
Quarter 4	44	35	2,225	36.99	28,489	35	49,893	61	3,684	4	31	0	199	0	82,297
First Semester	44	42	5,744	41.04	73,335	31	146,489	62	14,339	6	46	0	1525	1	235,734
Second Semester	44	38	5,145	39.67	66,938	33	127,827	63	8,923	4	57	0	354	0	204,097

Country: ALL

Year: 2019

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	44	43	942	51.15	16,093	33	28,411	59	3,558	7	7	0	99	0	48,168
Feb	44	43	892	36.73	11,788	36	19,074	58	1,853	6	7	0	45	0	32,767
Mar	44	43	942	42.05	13,773	35	23,174	58	2,529	6	82	0	59	0	39,617
Apr	44	42	916	36.74	10,599	31	20,852	62	2,183	6	8	0	14	0	33,656
May	44	41	875	30.75	7,719	29	17,679	66	1,316	5	4	0	190	1	26,907
Jun	44	40	689	28.13	9,588	49	6,027	31	3,677	19	8	0	69	0	19,369
Jul	44	41	820	37.22	11,053	36	17,317	57	2,108	7	7	0	23	0	30,508
Aug	45	42	911	36.70	9,533	29	21,983	66	1,887	6	7	0	36	0	33,445
Sep	45	44	988	41.52	12,210	30	26,774	65	1,968	5	4	0	75	0	41,032
Oct	45	42	899	43.31	10,279	26	27,444	70	1,031	3	13	0	177	0	38,944
Nov	45	39	699	52.08	9,181	25	25,796	71	1,171	3	8	0	261	1	36,417
Dec	45	37	542	47.26	7,091	28	17,600	69	881	3	2	0	50	0	25,625
Annual	44	41	10,115	40.18	128,907	32	252,131	62	24,160	6	157	0	1100	0	406,455
Quarter 1	44	43	2,776	43.43	41,654	35	70,658	59	7,940	7	96	0	204	0	120,552
Quarter 2	44	41	2,480	32.24	27,906	35	44,558	56	7,175	9	20	0	274	0	79,933
Quarter 3	45	42	2,719	38.61	32,796	31	66,074	63	5,963	6	18	0	134	0	104,985
Quarter 4	45	39	2,141	47.18	26,552	26	70,840	70	3,082	3	23	0	489	0	100,985
First Semester	44	42	5,256	38.15	69,559	35	115,216	57	15,115	8	116	0	478	0	200,485
Second Semester	45	41	4,860	42.38	59,348	29	136,914	66	9,045	4	41	0	623	0	205,971

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

(Database Closed on 30/10/2020)

Country: SEYCHELLES

Year: 2018

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	327	56.69	4,721	25	12,451	67	1,337	7	2	0	16	0	18,528
Feb	13	13	287	63.15	5,470	30	11,344	63	1,273	7	2	0	40	0	18,129
Mar	13	13	309	39.85	3,835	31	7,627	62	840	7	1	0	11	0	12,314
Apr	13	13	301	36.00	3,207	30	6,868	63	608	6	1	0	162	1	10,845
May	13	11	193	24.75	974	20	3,550	74	150	3	1	0	94	2	4,768
Jun	13	10	160	26.34	1,537	36	2,434	58	224	5	1	0	25	1	4,220
Jul	13	10	230	46.50	3,192	30	6,957	65	539	5	0	0	4	0	10,693
Aug	13	13	290	35.67	3,019	29	6,888	66	451	4	1	0	1	0	10,360
Sep	13	13	293	54.01	4,514	28	10,803	68	526	3	1	0	7	0	15,850
Oct	13	13	229	46.84	2,396	22	8,014	75	299	3	2	0	12	0	10,723
Nov	13	7	124	41.84	1,508	29	3,539	68	141	3	1	0	1	0	5,190
Dec	13	2	43	39.67	651	38	977	58	63	4	0	0	0	0	1,690
Annual	13	11	2,786	44.25	35,023	28	81,451	66	6,450	5	13	0	373	0	123,310
Quarter 1	13	13	923	53.06	14,026	29	31,422	64	3,450	7	5	0	67	0	48,970
Quarter 2	13	11	654	30.32	5,718	29	12,851	65	981	5	3	0	280	1	19,833
Quarter 3	13	12	814	45.34	10,725	29	24,648	67	1,516	4	2	0	12	0	36,903
Quarter 4	13	7	396	44.50	4,555	26	12,530	71	502	3	3	0	13	0	17,604
First Semester	13	12	1,577	43.63	19,743	29	44,273	64	4,432	6	8	0	348	1	68,803
Second Semester	13	10	1,209	45.07	15,280	28	37,178	68	2,018	4	5	0	25	0	54,507

Country: SEYCHELLES

Year: 2019

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	297	43.83	3,155	24	9,052	70	747	6	2	0	52	0	13,009
Feb	13	12	285	31.22	2,481	28	5,860	66	572	6	1	0	0	0	8,914
Mar	13	13	291	42.23	3,525	29	7,933	65	819	7	3	0	8	0	12,289
Apr	13	13	299	39.38	3,859	33	7,094	60	840	7	2	0	0	0	11,795
May	13	13	283	32.06	2,861	31	5,691	63	533	6	1	0	0	0	9,086
Jun	13	12	215	19.29	1,818	44	1,717	41	606	15	1	0	0	0	4,142
Jul	13	11	212	42.20	2,714	30	5,692	64	531	6	0	0	0	0	8,937
Aug	13	12	277	40.95	2,836	25	7,943	70	579	5	1	0	0	0	11,359
Sep	13	13	305	42.43	3,723	29	8,531	66	673	5	0	0	15	0	12,942
Oct	13	12	254	47.56	3,553	29	8,084	67	381	3	0	0	71	1	12,089
Nov	13	8	107	45.71	1,499	31	3,224	66	180	4	2	0	0	0	4,904
Dec	13	7	96	32.90	981	31	2,096	66	77	2	1	0	0	0	3,155
Annual	13	12	2,922	38.54	33,006	29	72,917	65	6,538	6	14	0	146	0	112,621
Quarter 1	13	12	873	39.18	9,162	27	22,846	67	2,138	6	6	0	60	0	34,212
Quarter 2	13	13	798	31.37	8,538	34	14,502	58	1,979	8	4	0	0	0	25,023
Quarter 3	13	12	794	41.85	9,273	28	22,166	67	1,783	5	1	0	15	0	33,238
Quarter 4	13	9	457	44.05	6,033	30	13,404	67	637	3	3	0	71	0	20,148
First Semester	13	13	1,671	35.45	17,700	30	37,348	63	4,118	7	9	0	60	0	59,235
Second Semester	13	11	1,252	42.66	15,306	29	35,569	67	2,420	5	4	0	86	0	53,386

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

(Database Closed on 30/10/2020)

Country: SPAIN

Year: 2018

Month	Vessels	Vessels	Effort	Catch Rate		Catches (MT)								Total Catch	
	Licensed	Covered		(Days Fished)	(MT/Fishing day)	Yellowfin	Skipjack	Bigeye	Albacore	Others					
	(Number)	(Number)			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	14	14	337	73.67	7,051	28	16,172	65	1,598	6	0	0	11	0	24,831
Feb	14	14	314	78.63	7,760	31	15,384	62	1,520	6	0	0	0	0	24,664
Mar	14	14	332	45.61	4,777	32	9,419	62	943	6	0	0	0	0	15,139
Apr	14	13	338	50.65	5,481	32	10,690	62	971	6	0	0	2	0	17,144
May	14	14	316	44.05	2,851	20	10,151	73	383	3	0	0	556	4	13,942
Jun	14	14	184	43.29	2,454	31	5,052	63	349	4	0	0	104	1	7,960
Jul	14	14	305	49.23	4,859	32	9,515	63	625	4	0	0	0	0	15,000
Aug	14	14	364	53.23	6,118	32	12,375	64	865	4	0	0	0	0	19,358
Sep	14	14	319	55.94	5,199	29	11,884	67	765	4	0	0	0	0	17,849
Oct	14	14	351	51.75	4,876	27	12,600	69	694	4	0	0	0	0	18,170
Nov	14	14	234	48.60	4,261	38	6,535	58	559	5	0	0	1	0	11,356
Dec	14	7	84	53.27	1,241	28	2,993	67	221	5	0	0	0	0	4,455
Annual	14	13	3,477	54.60	56,929	30	122,771	65	9,493	5	0	0	674	0	189,868
Quarter 1	14	14	983	65.78	19,588	30	40,974	63	4,061	6	0	0	11	0	64,634
Quarter 2	14	14	839	46.55	10,786	28	25,894	66	1,703	4	0	0	662	2	39,045
Quarter 3	14	14	987	52.87	16,177	31	33,775	65	2,255	4	0	0	0	0	52,207
Quarter 4	14	12	668	50.84	10,378	31	22,129	65	1,475	4	0	0	1	0	33,982
First Semester	14	14	1,821	56.92	30,375	29	66,868	64	5,764	6	0	0	673	1	103,679
Second Semester	14	13	1,656	52.05	26,555	31	55,903	65	3,730	4	0	0	1	0	86,189

Country: SPAIN

Year: 2019

Month	Vessels	Vessels	Effort	Catch Rate		Catches (MT)								Total Catch	
	Licensed	Covered		(Days Fished)	(MT/Fishing day)	Yellowfin	Skipjack	Bigeye	Albacore	Others					
	(Number)	(Number)			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	14	14	339	61.48	7,112	34	11,758	56	1,980	9	0	0	0	0	20,850
Feb	14	14	317	44.95	4,787	34	8,660	61	811	6	0	0	0	0	14,258
Mar	14	13	334	49.52	5,501	33	10,050	61	947	6	34	0	9	0	16,542
Apr	14	13	324	43.13	3,283	23	9,951	71	750	5	0	0	0	0	13,983
May	14	12	296	36.50	1,984	18	8,300	77	478	4	0	0	25	0	10,787
Jun	14	12	204	34.98	2,140	30	2,955	41	1,994	28	0	0	51	1	7,140
Jul	14	13	316	42.18	3,658	27	8,725	65	939	7	3	0	18	0	13,343
Aug	15	14	351	37.57	2,904	22	9,693	73	579	4	0	0	30	0	13,205
Sep	15	15	350	47.05	3,864	23	11,864	72	675	4	0	0	43	0	16,446
Oct	15	14	334	49.25	3,518	21	12,485	76	390	2	2	0	77	0	16,473
Nov	15	15	273	69.55	4,429	23	13,745	72	647	3	2	0	160	1	18,982
Dec	15	14	257	55.17	4,041	29	9,506	67	608	4	0	0	5	0	14,159
Annual	14	14	3,696	47.67	47,221	27	117,691	67	10,798	6	41	0	418	0	176,168
Quarter 1	14	14	990	52.15	17,400	34	30,468	59	3,738	7	34	0	9	0	51,650
Quarter 2	14	12	824	38.73	7,407	23	21,205	66	3,222	10	0	0	76	0	31,910
Quarter 3	15	14	1,017	42.26	10,426	24	30,282	70	2,193	5	3	0	91	0	42,995
Quarter 4	15	14	864	57.42	11,987	24	35,736	72	1,645	3	4	0	242	0	49,614
First Semester	14	13	1,814	46.06	24,807	30	51,673	62	6,960	8	34	0	85	0	83,560
Second Semester	15	14	1,881	49.22	22,414	24	66,018	71	3,837	4	7	0	333	0	92,609

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

(Database Closed on 30/10/2020)

Country: FRANCE

Year: 2018

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	12	12	319	34.36	3,448	31	6,800	62	682	6	2	0	24	0	10,956
Feb	12	12	274	34.36	3,020	32	5,854	62	517	5	3	0	19	0	9,414
Mar	12	12	290	26.98	2,616	33	4,617	59	454	6	10	0	122	2	7,819
Apr	12	10	247	22.82	1,878	33	3,126	55	528	9	7	0	104	2	5,642
May	12	11	260	12.52	1,034	32	1,937	59	242	7	3	0	44	1	3,260
Jun	12	11	231	19.64	2,009	44	2,172	48	325	7	3	0	18	0	4,528
Jul	12	12	232	30.60	2,394	34	4,367	62	307	4	8	0	12	0	7,088
Aug	12	12	277	22.62	2,756	44	3,186	51	305	5	4	0	6	0	6,258
Sep	12	12	312	33.01	3,089	30	6,677	65	407	4	8	0	119	1	10,300
Oct	12	12	322	22.59	2,596	36	4,227	58	386	5	10	0	65	1	7,285
Nov	12	12	288	25.13	3,115	43	3,614	50	409	6	6	0	100	1	7,244
Dec	12	11	237	22.93	2,104	39	2,990	55	312	6	6	0	15	0	5,427
Annual	12	12	3,288	25.92	30,058	35	49,568	58	4,874	6	71	0	649	1	85,220
Quarter 1	12	12	883	31.94	9,084	32	17,271	61	1,653	6	16	0	165	1	28,189
Quarter 2	12	11	738	18.19	4,920	37	7,235	54	1,095	8	13	0	166	1	13,429
Quarter 3	12	12	820	28.83	8,238	35	14,231	60	1,019	4	20	0	137	1	23,646
Quarter 4	12	12	847	23.55	7,816	39	10,831	54	1,107	6	22	0	181	1	19,956
First Semester	12	11	1,621	25.68	14,004	34	24,506	59	2,748	7	28	0	331	1	41,618
Second Semester	12	12	1,668	26.14	16,054	37	25,062	57	2,126	5	42	0	318	1	43,602

Country: FRANCE

Year: 2019

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	12	12	214	43.49	2,844	31	5,977	64	452	5	4	0	45	0	9,322
Feb	11	11	179	32.75	2,331	40	3,203	55	264	5	4	0	44	1	5,846
Mar	11	11	187	33.31	2,148	34	3,694	59	335	5	13	0	38	1	6,229
Apr	11	10	151	24.59	1,225	33	2,199	59	290	8	3	0	4	0	3,721
May	11	10	154	23.74	1,369	37	1,919	52	203	6	2	0	164	4	3,658
Jun	11	10	149	27.47	2,474	60	1,017	25	578	14	6	0	18	0	4,094
Jul	11	11	153	27.35	1,961	47	1,907	46	299	7	3	0	5	0	4,176
Aug	11	10	168	35.87	2,634	44	2,972	49	424	7	4	0	5	0	6,040
Sep	11	10	192	37.58	3,115	43	3,706	51	380	5	3	0	17	0	7,221
Oct	11	11	193	33.92	2,553	39	3,794	58	160	2	10	0	28	0	6,544
Nov	11	11	210	40.96	2,407	28	5,884	68	216	3	3	0	101	1	8,612
Dec	11	11	137	40.64	1,558	28	3,845	69	115	2	1	0	45	1	5,565
Annual	11	11	2,088	34.02	26,618	37	40,120	56	3,717	5	56	0	517	1	71,027
Quarter 1	11	11	580	36.90	7,323	34	12,875	60	1,051	5	21	0	127	1	21,397
Quarter 2	11	10	454	25.25	5,068	44	5,136	45	1,071	9	11	0	187	2	11,473
Quarter 3	11	10	513	33.98	7,710	44	8,585	49	1,104	6	10	0	28	0	17,437
Quarter 4	11	11	540	38.37	6,518	31	13,524	65	491	2	13	0	175	1	20,721
First Semester	11	11	1,034	31.78	12,391	38	18,011	55	2,122	6	32	0	314	1	32,870
Second Semester	11	11	1,053	36.23	14,227	37	22,109	58	1,595	4	24	0	203	1	38,158

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

(Database Closed on 30/10/2020)

Country: OTHERS

Year: 2018

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Catches (MT)										Total Catch (Mt)
	Licensed (Number)	Covered (Number)			Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
Jan	5	5	109	42.36	2,088	45	2,201	48	292	6	0	0	22	0	4,603
Feb	5	5	101	37.65	1,679	44	1,815	48	285	8	4	0	5	0	3,788
Mar	5	5	117	27.12	1,197	38	1,787	56	188	6	2	0	2	0	3,176
Apr	5	5	122	35.05	1,498	35	2,390	56	255	6	1	0	138	3	4,281
May	5	5	132	19.78	826	32	1,613	62	166	6	0	0	7	0	2,612
Jun	5	5	145	21.94	1,926	61	1,036	33	210	7	2	0	0	0	3,174
Jul	5	4	105	31.36	1,381	42	1,698	52	195	6	2	0	1	0	3,277
Aug	5	4	93	25.62	788	33	1,470	62	123	5	1	0	0	0	2,382
Sep	5	4	101	33.50	1,139	34	2,111	62	131	4	0	0	3	0	3,384
Oct	5	4	125	19.95	528	21	1,859	75	94	4	2	0	5	0	2,488
Nov	5	4	124	38.54	2,842	59	1,707	36	240	5	1	0	0	0	4,790
Dec	5	4	64	54.28	2,371	68	837	24	266	8	3	0	0	0	3,477
Annual	5	5	1,337	30.99	18,263	44	20,525	50	2,444	6	19	0	183	0	41,433
Quarter 1	5	5	326	35.44	4,964	43	5,803	50	765	7	7	0	29	0	11,568
Quarter 2	5	5	399	25.24	4,249	42	5,039	50	630	6	3	0	145	1	10,066
Quarter 3	5	4	299	30.29	3,309	37	5,279	58	448	5	3	0	5	0	9,044
Quarter 4	5	4	313	34.35	5,741	53	4,404	41	600	6	6	0	5	0	10,755
First Semester	5	5	725	29.83	9,213	43	10,842	50	1,396	6	10	0	174	1	21,634
Second Semester	5	4	612	32.37	9,049	46	9,683	49	1,048	5	9	0	9	0	19,799

Country: OTHERS

Year: 2019

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Catches (MT)										Total Catch (Mt)
	Licensed (Number)	Covered (Number)			Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
Jan	5	5	91	54.59	2,982	60	1,624	33	378	8	1	0	2	0	4,987
Feb	6	6	111	33.79	2,189	58	1,350	36	207	6	2	0	1	0	3,749
Mar	6	6	130	35.03	2,598	57	1,495	33	427	9	33	1	4	0	4,557
Apr	6	6	141	29.50	2,232	54	1,609	39	303	7	3	0	10	0	4,157
May	6	6	142	23.78	1,505	45	1,769	52	102	3	1	0	1	0	3,377
Jun	6	6	121	33.05	3,156	79	338	8	499	12	1	0	1	0	3,994
Jul	6	6	139	29.17	2,721	67	992	24	338	8	1	0	0	0	4,052
Aug	6	6	114	24.89	1,159	41	1,375	48	305	11	2	0	1	0	2,841
Sep	6	6	142	31.26	1,508	34	2,673	60	240	5	1	0	0	0	4,423
Oct	6	5	118	32.62	656	17	3,081	80	100	3	1	0	0	0	3,838
Nov	6	5	109	36.04	846	22	2,943	75	128	3	1	0	0	0	3,918
Dec	6	5	53	52.06	512	19	2,153	78	81	3	0	0	0	0	2,745
Annual	6	6	1,410	33.08	22,062	47	21,402	46	3,107	7	47	0	20	0	46,639
Quarter 1	6	6	332	39.99	7,769	58	4,469	34	1,012	8	36	0	8	0	13,293
Quarter 2	6	6	404	28.55	6,892	60	3,715	32	903	8	5	0	11	0	11,527
Quarter 3	6	6	395	28.68	5,387	48	5,041	45	883	8	4	0	1	0	11,316
Quarter 4	6	5	279	37.63	2,014	19	8,177	78	309	3	2	0	0	0	10,502
First Semester	6	6	736	33.72	14,661	59	8,184	33	1,915	8	41	0	19	0	24,820
Second Semester	6	6	674	32.39	7,401	34	13,218	61	1,192	5	6	0	1	0	21,818

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

(Database Closed on 30/10/2020)

Country: ALL

Semester 1, Years: 2009 - 2019

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	MT/Fishing day	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2009	1374	18.05	9,354	38	11,682	47	3,709	15	39	0	6	0	24,791
2010	1388	26.51	13,481	37	19,996	54	3,298	9	8	0	18	0	36,801
2011	1616	20.65	14,783	44	15,925	48	2,637	8	20	0	0	0	33,366
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

Country: ALL

Semester 2, Years: 2009 - 2019

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	MT/Fishing day	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2009	770	15.68	5,090	42	6,006	50	930	8	42	0	0	0	12,068
2010	938	23.05	13,732	64	6,465	30	1,379	6	35	0	0	0	21,611
2011	1136	22.79	15,719	61	8,026	31	2,110	8	40	0	0	0	25,895
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

Country: ALL

Years: 2009 - 2019

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2009	2,143	17.20	14,445	39	17,688	48	4,639	13	81	0	6	0	36,859
2010	2,326	25.11	27,213	47	26,461	45	4,678	8	42	0	18	0	58,412
2011	2,752	21.53	30,503	51	23,952	40	4,747	8	60	0	0	0	59,261
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

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

(Database Closed on 30/10/2020)

Country: ALL

Year: 2018

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	44	44	273	56.38	4,714	31	9,801	64	862	6	0	0	7	0	15,384
Feb	44	44	236	41.70	3,318	34	5,994	61	506	5	1	0	13	0	9,832
Mar	44	44	340	28.53	3,055	32	6,077	63	553	6	5	0	8	0	9,698
Apr	44	41	266	23.73	2,636	42	3,247	52	418	7	1	0	3	0	6,305
May	44	41	174	10.84	810	43	955	51	117	6	0	0	3	0	1,885
Jun	44	40	228	17.34	1,393	35	2,328	59	230	6	1	0	5	0	3,957
Jul	44	40	292	34.93	3,397	33	6,393	63	391	4	5	0	9	0	10,194
Aug	44	43	300	35.83	4,210	39	6,120	57	409	4	4	0	1	0	10,745
Sep	44	43	290	42.55	4,148	34	7,664	62	454	4	7	0	84	1	12,357
Oct	44	43	263	26.31	1,923	28	4,726	68	246	4	2	0	10	0	6,908
Nov	44	37	90	6.13	216	39	315	57	18	3	0	0	0	0	550
Dec	44	24	66	12.64	501	60	279	33	50	6	3	0	0	0	833
Annual	44	40	2,817	31.47	30,322	34	53,899	61	4,255	5	30	0	143	0	88,649
Quarter 1	44	44	849	41.14	11,087	32	21,872	63	1,921	6	6	0	27	0	34,914
Quarter 2	44	41	668	18.19	4,839	40	6,531	54	765	6	2	0	10	0	12,148
Quarter 3	44	42	882	37.75	11,755	35	20,176	61	1,254	4	16	0	94	0	33,296
Quarter 4	44	35	418	19.83	2,640	32	5,320	64	315	4	5	0	11	0	8,291
First Semester	44	42	1,517	31.03	15,927	34	28,403	60	2,686	6	8	0	38	0	47,061
Second Semester	44	38	1,300	31.98	14,395	35	25,496	61	1,569	4	21	0	105	0	41,587

Country: ALL

Year: 2019

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	44	43	135	38.89	1,671	32	3,265	62	311	6	1	0	9	0	5,257
Feb	44	43	185	21.13	1,548	40	2,153	55	200	5	1	0	1	0	3,902
Mar	44	43	427	36.40	6,274	40	8,194	53	965	6	75	0	38	0	15,546
Apr	44	42	248	24.84	2,277	37	3,515	57	347	6	8	0	8	0	6,155
May	44	41	111	14.57	350	22	1,088	68	100	6	0	0	73	5	1,611
Jun	44	40	313	44.70	8,364	60	2,211	16	3,388	24	8	0	2	0	13,973
Jul	44	41	376	35.70	5,699	42	6,635	49	1,075	8	3	0	4	0	13,416
Aug	45	42	233	35.32	3,225	39	4,509	55	487	6	5	0	4	0	8,231
Sep	45	44	304	38.71	5,090	43	6,097	52	581	5	3	0	10	0	11,781
Oct	45	42	112	17.54	635	32	1,257	64	61	3	5	0	3	0	1,961
Nov	45	39	60	9.50	181	32	368	64	19	3	1	0	1	0	570
Dec	45	37	74	35.77	655	25	1,879	71	113	4	1	0	3	0	2,650
Annual	44	41	2,577	33.00	35,969	42	41,169	48	7,648	9	111	0	155	0	85,052
Quarter 1	44	43	747	33.07	9,492	38	13,612	55	1,476	6	77	0	48	0	24,705
Quarter 2	44	41	671	32.40	10,992	51	6,813	31	3,835	18	16	0	83	0	21,739
Quarter 3	45	42	913	36.61	14,014	42	17,241	52	2,143	6	11	0	17	0	33,427
Quarter 4	45	39	246	21.07	1,471	28	3,503	68	194	4	7	0	7	0	5,182
First Semester	44	42	1,418	32.75	20,483	44	20,425	44	5,311	11	93	0	130	0	46,443
Second Semester	45	41	1,159	33.31	15,485	40	20,744	54	2,337	6	18	0	25	0	38,609

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

(Database Closed on 30/10/2020)

Country: SEYCHELLES

Year: 2018

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	75	71.90	1,466	27	3,629	67	313	6	0	0	3	0	5,411
Feb	13	13	75	46.75	1,103	31	2,226	63	184	5	0	0	11	0	3,523
Mar	13	13	99	31.60	953	30	1,968	63	204	7	1	0	0	0	3,126
Apr	13	13	60	21.87	453	35	783	60	75	6	0	0	1	0	1,312
May	13	11	31	13.59	161	39	241	58	16	4	0	0	0	0	417
Jun	13	10	38	9.44	124	34	224	62	13	4	1	0	0	0	363
Jul	13	10	74	34.82	707	27	1,740	68	124	5	0	0	4	0	2,574
Aug	13	13	72	40.80	855	29	1,937	66	137	5	1	0	1	0	2,931
Sep	13	13	63	49.71	1,171	37	1,824	58	137	4	1	0	4	0	3,137
Oct	13	13	48	41.20	327	16	1,604	81	56	3	0	0	0	0	1,987
Nov	13	7	9	3.20	3	12	25	84	1	4	0	0	0	0	29
Dec	13	2	3	0.00	0	0	0	0	0	0	0	0	0	0	0
Annual	13	11	648	38.29	7,324	30	16,199	65	1,260	5	4	0	25	0	24,812
Quarter 1	13	13	250	48.33	3,522	29	7,823	65	701	6	1	0	14	0	12,061
Quarter 2	13	11	129	16.20	739	35	1,248	60	104	5	1	0	1	0	2,092
Quarter 3	13	12	209	41.38	2,733	32	5,501	64	398	5	2	0	9	0	8,643
Quarter 4	13	7	60	33.35	331	16	1,628	81	57	3	0	0	0	0	2,016
First Semester	13	12	379	37.37	4,260	30	9,070	64	805	6	2	0	16	0	14,153
Second Semester	13	10	269	39.58	3,063	29	7,129	67	455	4	2	0	9	0	10,659

Country: SEYCHELLES

Year: 2019

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	56	24.20	248	18	1,045	78	44	3	0	0	8	1	1,345
Feb	13	12	50	17.07	260	31	548	65	38	5	1	0	0	0	846
Mar	13	13	90	31.51	1,103	39	1,604	56	138	5	2	0	0	0	2,846
Apr	13	13	76	21.36	516	32	1,014	62	94	6	2	0	0	0	1,626
May	13	13	34	5.57	55	29	126	66	10	5	0	0	0	0	191
Jun	13	12	92	30.35	1,465	52	810	69	518	19	1	0	0	0	2,793
Jul	13	11	84	41.29	1,190	34	2,082	60	182	5	0	0	0	0	3,454
Aug	13	12	53	38.50	623	31	1,290	64	109	5	1	0	0	0	2,022
Sep	13	13	56	40.56	925	41	1,229	54	126	6	0	0	0	0	2,279
Oct	13	12	25	5.45	43	31	91	66	4	3	0	0	0	0	138
Nov	13	8	8	19.97	55	34	102	63	5	3	1	1	0	0	163
Dec	13	7	10	38.76	163	42	198	51	23	6	1	0	0	0	384
Annual	13	12	634	28.55	6,643	37	10,138	56	1,290	7	9	0	8	0	18,088
Quarter 1	13	12	195	25.77	1,610	32	3,197	63	220	4	3	0	8	0	5,038
Quarter 2	13	13	202	22.78	2,036	44	1,950	42	621	13	3	0	0	0	4,610
Quarter 3	13	12	192	40.31	2,737	35	4,600	59	417	5	1	0	0	0	7,755
Quarter 4	13	9	43	15.80	260	38	391	57	31	5	2	0	0	0	685
First Semester	13	13	398	24.25	3,646	38	5,147	53	842	9	5	0	8	0	9,648
Second Semester	13	11	236	35.80	2,998	36	4,991	59	448	5	3	0	0	0	8,440

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

(Database Closed on 30/10/2020)

Country: SPAIN

Year: 2018

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	14	14	101	74.05	2,235	30	4,836	65	382	5	0	0	0	0	7,453
Feb	14	14	81	55.18	1,419	32	2,849	63	224	5	0	0	0	0	4,492
Mar	14	14	105	35.38	1,062	29	2,450	66	194	5	0	0	0	0	3,707
Apr	14	13	61	25.12	603	39	851	55	80	5	0	0	0	0	1,535
May	14	14	22	10.93	87	35	150	61	9	4	0	0	0	0	246
Jun	14	14	37	39.96	512	35	878	60	76	5	0	0	0	0	1,466
Jul	14	14	66	43.09	775	27	1,982	70	73	3	0	0	0	0	2,830
Aug	14	14	85	47.76	1,404	34	2,564	63	105	3	0	0	0	0	4,074
Sep	14	14	61	52.95	925	28	2,201	68	125	4	0	0	0	0	3,251
Oct	14	14	69	33.91	671	29	1,587	68	84	4	0	0	0	0	2,341
Nov	14	14	19	5.82	42	37	68	60	3	3	0	0	0	0	113
Dec	14	7	6	5.23	8	24	24	74	1	2	0	0	0	0	32
Annual	14	13	714	44.17	9,743	31	20,440	65	1,357	4	0	0	0	0	31,540
Quarter 1	14	14	287	54.57	4,716	30	10,135	65	801	5	0	0	0	0	15,652
Quarter 2	14	14	120	26.99	1,203	37	1,878	58	166	5	0	0	0	0	3,247
Quarter 3	14	14	212	47.82	3,104	31	6,748	66	303	3	0	0	0	0	10,155
Quarter 4	14	12	95	26.28	720	29	1,679	68	87	4	0	0	0	0	2,487
First Semester	14	14	407	46.42	5,919	31	12,013	64	967	5	0	0	0	0	18,899
Second Semester	14	13	307	41.18	3,824	30	8,427	67	391	3	0	0	0	0	12,642

Country: SPAIN

Year: 2019

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	14	14	45	63.32	950	34	1,668	59	211	7	0	0	0	0	2,828
Feb	14	14	86	25.34	842	39	1,217	56	110	5	0	0	0	0	2,169
Mar	14	13	132	43.51	1,898	33	3,487	61	345	6	34	1	0	0	5,764
Apr	14	13	55	26.69	276	19	1,130	77	65	4	0	0	0	0	1,470
May	14	11	34	22.67	129	17	591	77	51	7	0	0	0	0	770
Jun	14	12	76	54.22	1,572	38	643	16	1,884	46	0	0	0	0	4,098
Jul	14	13	108	43.29	1,466	31	2,774	60	416	9	0	0	0	0	4,656
Aug	15	14	54	25.01	376	28	903	67	64	5	0	0	0	0	1,342
Sep	15	15	60	36.18	865	40	1,194	55	119	5	0	0	0	0	2,178
Oct	15	14	28	17.77	119	24	366	73	18	4	0	0	0	0	504
Nov	15	15	31	6.86	73	34	131	62	9	4	0	0	0	0	212
Dec	15	14	30	33.35	313	31	635	63	61	6	0	0	0	0	1,008
Annual	14	14	738	36.57	8,877	33	14,737	55	3,352	12	34	0	0	0	27,000
Quarter 1	14	14	263	40.96	3,689	34	6,372	59	666	6	34	0	0	0	10,761
Quarter 2	14	12	165	38.50	1,977	31	2,363	37	1,999	32	0	0	0	0	6,339
Quarter 3	15	14	221	36.93	2,706	33	4,870	60	600	7	0	0	0	0	8,176
Quarter 4	15	14	89	19.27	505	29	1,132	66	87	5	0	0	0	0	1,724
First Semester	14	13	427	40.01	5,666	33	8,735	51	2,665	16	34	0	0	0	17,100
Second Semester	15	14	311	31.84	3,211	32	6,002	61	687	7	0	0	0	0	9,900

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

(Database Closed on 30/10/2020)

Country: FRANCE

Year: 2018

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	12	12	58	24.87	515	35	830	57	103	7	0	0	4	0	1,451
Feb	12	12	57	20.32	435	38	651	56	69	6	1	0	2	0	1,158
Mar	12	12	85	14.45	398	33	746	61	72	6	2	0	7	1	1,225
Apr	12	10	96	20.05	722	37	1,049	54	157	8	1	0	1	0	1,930
May	12	11	87	10.31	441	49	380	43	69	8	0	0	3	0	893
Jun	12	11	100	17.87	657	37	1,016	57	117	7	0	0	5	0	1,795
Jul	12	12	98	34.72	1,307	39	1,976	58	101	3	3	0	4	0	3,390
Aug	12	12	112	26.25	1,668	57	1,170	40	107	4	3	0	0	0	2,949
Sep	12	12	131	37.32	1,634	33	3,035	62	146	3	6	0	77	2	4,898
Oct	12	12	115	17.83	812	40	1,137	56	82	4	2	0	9	0	2,042
Nov	12	12	50	7.40	167	45	193	52	12	3	0	0	0	0	372
Dec	12	11	41	12.83	311	60	190	36	17	3	3	1	0	0	521
Annual	12	12	1,030	21.96	9,067	40	12,372	55	1,053	5	21	0	112	0	22,625
Quarter 1	12	12	200	19.16	1,348	35	2,226	58	244	6	3	0	12	0	3,834
Quarter 2	12	11	283	16.30	1,820	39	2,445	53	344	7	1	0	9	0	4,619
Quarter 3	12	12	341	32.93	4,609	41	6,181	55	354	3	12	0	81	1	11,237
Quarter 4	12	12	205	14.28	1,290	44	1,519	52	111	4	5	0	9	0	2,935
First Semester	12	11	483	17.49	3,168	37	4,671	55	588	7	4	0	21	0	8,453
Second Semester	12	12	547	25.92	5,899	42	7,700	54	465	3	17	0	90	1	14,172

Country: FRANCE

Year: 2019

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	12	12	20	45.28	387	42	481	52	48	5	0	0	0	0	916
Feb	11	11	28	21.75	315	52	257	42	39	6	0	0	0	0	611
Mar	11	11	129	32.40	1,520	36	2,364	57	242	6	9	0	34	1	4,169
Apr	11	10	58	22.74	463	35	780	59	65	5	3	0	2	0	1,313
May	11	10	30	18.05	142	26	289	54	35	6	0	0	73	14	540
Jun	11	10	88	39.85	2,294	66	671	19	524	15	6	0	1	0	3,497
Jul	11	11	108	29.46	1,623	51	1,324	41	240	8	2	0	4	0	3,193
Aug	11	10	81	43.38	1,796	51	1,484	42	248	7	3	0	4	0	3,534
Sep	11	10	121	41.78	2,365	47	2,446	48	233	5	3	0	9	0	5,056
Oct	11	11	43	22.72	365	37	575	59	26	3	5	0	3	0	974
Nov	11	11	11	11.59	39	31	83	66	2	3	2	0	1	1	125
Dec	11	11	26	19.78	128	25	366	71	17	3	0	0	3	1	514
Annual	11	11	743	32.90	11,437	47	11,120	45	1,718	7	31	0	136	1	24,442
Quarter 1	11	11	177	32.18	2,222	39	3,102	54	328	6	9	0	34	1	5,696
Quarter 2	11	10	175	30.50	2,899	54	1,740	33	625	12	9	0	77	1	5,350
Quarter 3	11	10	311	37.91	5,784	49	5,254	45	720	6	8	0	17	0	11,784
Quarter 4	11	11	80	20.26	532	33	1,023	63	45	3	5	0	7	0	1,612
First Semester	11	11	352	31.34	5,121	46	4,843	44	953	9	18	0	111	1	11,046
Second Semester	11	11	390	34.31	6,316	47	6,277	47	765	6	13	0	24	0	13,396

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

(Database Closed on 30/10/2020)

Country: OTHERS

Year: 2018

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	5	5	39	27.67	499	47	506	47	64	6	0	0	0	0	1,069
Feb	5	5	22	29.96	361	55	269	41	29	4	0	0	0	0	658
Mar	5	5	51	31.86	642	39	913	56	82	5	2	0	1	0	1,640
Apr	5	5	48	31.62	857	56	566	37	105	7	0	0	0	0	1,528
May	5	5	34	9.63	122	37	185	56	23	7	0	0	0	0	329
Jun	5	5	53	6.32	100	30	210	63	23	7	0	0	0	0	333
Jul	5	4	55	25.64	608	43	695	50	94	7	2	0	1	0	1,400
Aug	5	4	30	26.05	283	36	448	57	60	8	0	0	0	0	790
Sep	5	4	35	30.88	419	39	604	56	46	4	0	0	3	0	1,071
Oct	5	4	31	17.47	113	21	399	74	26	5	0	0	1	0	538
Nov	5	4	11	3.28	4	12	30	84	1	4	0	0	0	0	35
Dec	5	4	16	17.41	182	65	66	23	32	12	0	0	0	0	280
Annual	5	5	425	22.78	4,188	43	4,889	51	585	6	4	0	6	0	9,672
Quarter 1	5	5	112	30.04	1,502	45	1,688	50	175	5	2	0	1	0	3,367
Quarter 2	5	5	135	16.20	1,078	49	961	44	151	7	0	0	0	0	2,190
Quarter 3	5	4	120	27.26	1,310	40	1,746	54	200	6	2	0	4	0	3,261
Quarter 4	5	4	58	14.80	299	35	494	58	59	7	0	0	1	0	854
First Semester	5	5	247	22.48	2,580	46	2,649	48	326	6	2	0	1	0	5,557
Second Semester	5	4	177	23.21	1,609	39	2,240	54	259	6	2	0	5	0	4,115

Country: OTHERS

Year: 2019

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	5	5	15	11.38	86	52	72	43	9	5	1	1	0	0	167
Feb	6	6	21	12.91	131	47	131	47	13	5	0	0	1	0	276
Mar	6	6	76	36.57	1,753	63	738	27	240	9	31	1	4	0	2,766
Apr	6	6	59	29.65	1,023	59	591	34	123	7	3	0	5	0	1,745
May	6	6	12	8.83	24	22	82	75	4	4	0	0	0	0	110
Jun	6	6	57	62.68	3,034	85	87	2	462	13	1	0	0	0	3,585
Jul	6	6	76	27.73	1,421	67	454	22	237	11	1	0	0	0	2,113
Aug	6	6	45	29.37	432	32	833	63	67	5	1	0	0	0	1,332
Sep	6	6	67	33.86	934	41	1,229	54	103	5	0	0	0	0	2,267
Oct	6	5	15	22.62	108	31	224	65	13	4	0	0	0	0	345
Nov	6	5	10	6.94	15	21	52	73	4	5	0	0	0	0	71
Dec	6	5	8	93.02	51	7	681	91	12	2	0	0	0	0	744
Annual	6	6	462	33.58	9,012	58	5,174	33	1,288	8	38	0	11	0	15,522
Quarter 1	6	6	112	28.73	1,970	61	940	29	262	8	32	1	5	0	3,210
Quarter 2	6	6	128	42.34	4,081	75	760	14	590	11	4	0	6	0	5,440
Quarter 3	6	6	189	30.30	2,786	49	2,517	44	407	7	2	0	0	0	5,712
Quarter 4	6	5	34	34.64	174	15	957	82	30	3	0	0	0	0	1,161
First Semester	6	6	240	36.01	6,051	70	1,700	20	852	10	36	0	11	0	8,649
Second Semester	6	6	222	30.96	2,961	43	3,474	51	437	6	2	0	0	0	6,873

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

(Database Closed on 30/10/2020)

Country: SEYCHELLES

Year: 2018

Area	Quarter	Effort		Catch Rate		Catches		Skipjack		Bigeye		Albacore		Others		Total (Mt)	Cumulative Total (Mt)
		Days Fished	MT/Fishing day	MT/Fishing day	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)				
SYC EEZ	1	250	48.33	3,522	29	7,823	65	701	6	1	0	14	0.1	12,061	12,061		
	2	129	16.20	739	35	1,248	60	104	5	1	0	1	0.1	2,092	14,153		
	3	209	41.38	2,733	32	5,501	64	398	5	2	0	9	0.1	8,643	22,796		
	4	60	33.35	331	16	1,628	81	57	3	0	0	0	0.0	2,016	24,812		
SYC EEZ Total		648	38.29	7,324	30	16,199	65	1,260	5	4	0	25	0	24,812			
Foreign EEZ	1	98	42.07	1,280	31	2,550	62	311	8	0	0	1	0.0	4,142	4,142		
	2	61	41.08	607	24	1,725	69	174	7	0	0	1	0.0	2,506	6,648		
	3	9	47.08	109	25	304	70	22	5	0	0	0	0.0	434	7,082		
	4	1	0.00	0	0	0	0	0	0	0	0	0	0.0	0	7,082		
Foreign EEZ Total		170	41.74	1,996	28	4,579	65	506	7	0	0	2	0	7,082			
High Seas	1	575	57.00	9,224	28	21,049	64	2,438	7	4	0	52	0.2	32,768	32,768		
	2	464	32.84	4,372	29	9,879	65	704	5	2	0	278	1.8	15,234	48,002		
	3	596	46.71	7,883	28	18,844	68	1,096	4	0	0	3	0.0	27,826	75,828		
	4	334	46.64	4,224	27	10,902	70	445	3	3	0	13	0.1	15,588	91,416		
High Seas Total		1,969	46.43	25,704	28	60,674	66	4,684	5	9	0	346	0	91,416			
WIO Total	1	923	53.06	14,026	29	31,422	64	3,450	7	5	0	67	0	48,970	48,970		
	2	654	30.32	5,718	29	12,851	65	981	5	3	0	280	1	19,833	68,803		
	3	814	45.34	10,725	29	24,648	67	1,516	4	2	0	12	0	36,903	105,706		
	4	396	44.50	4,555	12	12,530	34	502	1	3	0	13	0	17,604	123,310		
Grand Total		2,786	44.25	35,023	28	81,451	66	6,450	5	13	0	373	0	123,310			

Country: SEYCHELLES

Year: 2019

Area	Quarter	Effort		Catch Rate		Catches		Skipjack		Bigeye		Albacore		Others		Total (Mt)	Cumulative Total (Mt)
		Days Fished	MT/Fishing day	MT/Fishing day	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)				
SYC EEZ	1	195	25.77	1,610	32	3,197	63	220	4	3	0	8	0.0	5,038	5,038		
	2	202	22.78	2,036	44	1,950	42	621	13	3	0	0	0.0	4,610	9,648		
	3	192	40.31	2,737	35	4,600	59	417	5	1	0	0	0.0	7,755	17,403		
	4	43	15.80	260	38	391	57	31	5	2	0	0	0.0	685	18,088		
SYC EEZ Total		634	28.55	6,643	37	10,138	56	1,290	7	9	0	8	0	18,088			
Foreign EEZ	1	227	45.85	2,535	24	7,049	68	836	8	1	0	8	0.0	10,428	10,428		
	2	229	49.00	3,510	31	6,799	61	923	8	0	0	0	0.0	11,232	21,660		
	3	15	49.80	117	16	615	82	15	2	0	0	0	0.0	747	22,407		
	4	17	11.69	52	26	142	70	9	4	0	0	0	0.0	202	22,609		
Foreign EEZ Total		489	46.24	6,214	27	14,605	65	1,782	8	1	0	8	0	22,609			
High Seas	1	450	41.63	5,017	27	12,600	67	1,083	6	2	0	44	0.0	18,746	18,746		
	2	366	25.09	2,992	33	5,752	63	435	5	1	0	0	0.0	9,181	27,927		
	3	587	42.15	6,419	26	16,951	69	1,352	5	0	0	15	0.0	24,736	52,663		
	4	397	48.55	5,721	30	12,871	67	597	3	1	0	71	0.0	19,262	71,925		
High Seas Total		1,800	39.96	20,149	28	48,174	67	3,467	5	4	0	130	0	71,924			
WIO Total	1	872	39.23	9,162	19	22,846	47	2,139	4	6	0	60	0	34,212	34,212		
	2	797	31.40	8,538	43	14,501	73	1,979	10	4	0	0	0	25,023	59,235		
	3	794	41.86	9,273	25	22,166	60	1,784	5	1	0	15	0	33,238	92,473		
	4	457	44.09	6,033	34	13,404	76	637	4	3	0	71	0	20,149	112,622		
Grand Total		2,923	38.53	33,006	27	72,917	59	6,539	5	14	0	146	0	112,621			

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

(Database Closed on 30/10/2020)

Country: ALL Area: WIO Years: 2009 - 2019

School Type	Species	Catch(MT)										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Free School	YFT	34,969	31,579	34,431	65,283	34,461	46,270	62,075	47,714	46,797	14,228	30,852
	SKJ	10,357	10,396	9,456	3,794	5,464	6,495	7,558	7,627	6,250	5,304	25,427
	BET	5,360	3,796	6,107	7,404	4,207	5,840	9,638	2,666	10,054	2,134	5,659
	ALB	335	142	663	1,147	449	340	415	326	392	16	90
	OTH	0	0	0	32	4	24	56	10	5	2	38
	Free School Total	51,021	45,913	50,657	77,659	44,584	58,969	79,741	58,343	63,498	21,684	62,067
FAD Associated School	YFT	49,839	71,495	76,031	65,659	100,764	80,485	73,651	98,936	91,138	122,643	96,381
	SKJ	140,042	143,369	117,518	78,320	111,287	122,601	120,497	174,236	191,342	262,886	218,295
	BET	21,626	18,295	13,735	9,585	20,539	15,393	15,379	19,762	19,549	20,598	18,363
	ALB	85	45	81	59	50	181	121	95	80	87	67
	OTH	70	46	28	18	202	147	133	274	1,023	1,876	1,016
	FAD Associated School Total	211,663	233,249	207,394	153,641	232,842	218,807	209,781	293,303	303,132	408,091	334,123
Unidentified School	YFT	13	54	111	115	137	45	71	113	35	3,401	1,674
	SKJ	21	17	176	49	302	9	88	161	87	6,126	8,408
	BET	1	11	23	6	14	4	22	8	5	529	138
	ALB	0	0	0	0	0	3	0	0	1	0	0
	OTH	0	0	0	6	0	0	0	0	0	1	46
	Unidentified School Total	34	82	311	176	452	61	181	282	127	10,057	10,266
Total WIO Catch	YFT	84,821	103,127	110,574	131,057	135,361	126,800	135,797	146,763	137,970	140,273	128,907
	SKJ	150,420	153,782	127,150	82,163	117,053	129,105	128,143	182,024	197,680	274,315	252,131
	BET	26,987	22,102	19,864	16,995	24,760	21,236	25,039	22,435	29,608	23,261	24,160
	ALB	421	187	744	1,206	499	524	537	421	472	103	157
	OTH	70	46	28	56	206	172	188	284	1,027	1,879	1,100
		Total WIO	262,719	279,244	258,361	231,477	277,879	277,837	289,704	351,927	366,757	439,831

Country: ALL Area: WIO Years: 2009 - 2019

School Type	Species	Catch(%)										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Free School	YFT	69%	69%	68%	84%	77%	78%	78%	82%	74%	66%	50%
	SKJ	20%	23%	19%	5%	12%	11%	9%	13%	10%	24%	41%
	BET	11%	8%	12%	10%	9%	10%	12%	5%	16%	10%	9%
	ALB	1%	0%	1%	1%	1%	1%	1%	1%	1%	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%	100%
FAD Associated School	YFT	24%	31%	37%	43%	43%	37%	35%	34%	30%	30%	29%
	SKJ	66%	61%	57%	51%	48%	56%	57%	59%	63%	64%	65%
	BET	10%	8%	7%	6%	9%	7%	7%	7%	6%	5%	5%
	ALB	0%	0%	0%	0%	0%	0%	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%	100%
Unidentified School	YFT	37%	66%	36%	65%	30%	73%	39%	40%	27%	34%	16%
	SKJ	61%	21%	57%	28%	67%	15%	49%	57%	68%	61%	82%
	BET	2%	13%	7%	3%	3%	7%	12%	3%	4%	5%	1%
	ALB	0%	0%	0%	0%	0%	5%	0%	0%	1%	0%	0%
	OTH	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Total WIO	Free School	19%	16%	20%	34%	16%	21%	28%	17%	17%	5%	15%
	FAD Associated School	81%	84%	80%	66%	84%	79%	72%	83%	83%	93%	82%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	3%

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

(Database Closed on 30/10/2020)

Country: ALL Area: SYC EEZ Years: 2009 - 2019

School Type	Species	Catch(MT)										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Free School	YFT	9,314	13,869	17,352	28,264	7,225	14,758	13,993	21,467	18,966	3,303	15,216
	SKJ	1,993	1,299	1,719	636	670	1,263	1,813	3,172	1,671	458	5,690
	BET	1,686	872	1,969	2,004	784	1,783	1,410	818	2,823	434	3,554
	ALB	79	39	48	251	157	51	47	75	195	4	86
	OTH	0	0	0	0	0	0	41	6	1	1	7
	Free School Total	13,072	16,079	21,088	31,155	8,836	17,854	17,305	25,540	23,657	4,201	24,553
FAD Associated School	YFT	5,124	13,294	13,145	10,771	11,068	13,959	9,988	20,777	17,042	26,668	20,528
	SKJ	15,695	25,150	22,100	13,945	12,962	21,464	19,534	42,837	29,657	52,340	34,672
	BET	2,953	3,797	2,777	1,693	2,910	2,392	2,147	3,610	2,824	3,765	4,070
	ALB	2	4	12	4	4	31	40	52	20	25	24
	OTH	6	18	0	5	89	93	27	79	77	142	139
	FAD Associated School Total	23,780	42,262	38,034	26,417	27,033	37,939	31,736	67,354	49,620	82,940	59,434
Unidentified School	YFT	7	49	6	0	50	0	4	29	23	351	224
	SKJ	0	12	132	0	88	0	2	32	55	1,101	808
	BET	0	9	1	0	5	0	0	3	3	56	25
	ALB	0	0	0	0	0	0	0	0	1	0	0
	OTH	0	0	0	0	0	0	0	0	0	0	8
	Unidentified School Total	7	71	139	0	143	0	6	64	83	1,507	1,065
Total EEZ Catch	YFT	14,445	27,213	30,503	39,036	18,343	28,717	23,985	42,273	36,032	30,322	35,969
	SKJ	17,688	26,461	23,952	14,580	13,721	22,726	21,348	46,042	31,383	53,899	41,169
	BET	4,639	4,678	4,747	3,697	3,698	4,175	3,558	4,431	5,651	4,255	7,648
	ALB	81	42	60	254	161	83	87	127	215	30	111
	OTH	6	18	0	5	89	93	68	85	78	143	155
		Total	36,859	58,412	59,261	57,572	36,013	55,794	49,046	92,958	73,360	88,649

Country: ALL Area: SYC EEZ Years: 2009 - 2019

School Type	Species	Catch(%)										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Free School	YFT	71%	86%	82%	91%	82%	83%	81%	84%	80%	79%	62%
	SKJ	15%	8%	8%	2%	8%	7%	10%	12%	7%	11%	23%
	BET	13%	5%	9%	6%	9%	10%	8%	3%	12%	10%	14%
	ALB	1%	0%	0%	1%	2%	0%	0%	0%	1%	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%	100%
FAD Associated School	YFT	22%	31%	35%	41%	41%	37%	31%	31%	34%	32%	35%
	SKJ	66%	60%	58%	53%	48%	57%	62%	64%	60%	63%	58%
	BET	12%	9%	7%	6%	11%	6%	7%	5%	6%	5%	7%
	ALB	0%	0%	0%	0%	0%	0%	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%	100%
Unidentified School	YFT	94%	70%	4%	0%	35%	0%	65%	46%	28%	23%	21%
	SKJ	0%	17%	95%	0%	62%	0%	33%	51%	66%	73%	76%
	BET	6%	13%	1%	0%	3%	0%	2%	4%	4%	4%	2%
	ALB	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
	100%	100%	100%	0%	100%	0%	100%	100%	100%	100%	100%	100%
Total EEZ	Free School	35%	28%	36%	54%	25%	32%	35%	27%	32%	5%	29%
	FAD Associated School	65%	72%	64%	46%	75%	68%	65%	72%	68%	94%	70%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	1%

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

(Database Closed on 30/10/2020)

Country: ALL

Area: WIO

Years: 2009 - 2019

Agreement	School Type	Catch(MT)										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
National	Free School	11,206	8,349	10,786	14,109	7,171	8,035	21,622	9,185	18,557	3,665	7,002
	FAD associated School	57,134	67,427	52,291	36,829	49,883	52,220	67,108	99,169	103,566	119,544	97,623
	Unidentified School	0	10	135	0	270	0	10	260	79	102	7,996
National Total	All Schools	68,339	75,787	63,212	50,938	57,324	60,255	88,740	108,613	122,202	123,310	112,621
European Community	Free School	34,660	32,670	31,778	48,006	29,026	41,457	50,974	36,242	37,847	10,687	38,933
	FAD associated School	135,423	151,747	136,727	100,616	157,687	150,783	127,946	172,239	178,662	261,898	210,930
	Unidentified School	34	71	34	176	133	61	172	22	26	9,955	2,219
European Community Total	All Schools	170,117	184,488	168,539	148,798	186,845	192,301	179,091	208,503	216,535	282,540	252,082
Others	Free School	5,156	4,894	8,093	15,545	8,388	9,476	7,145	12,916	7,093	7,332	16,132
	FAD associated School	19,107	14,075	18,376	16,196	25,272	15,804	14,727	21,895	20,905	26,649	25,570
	Unidentified School	0	0	142	0	49	0	0	0	22	0	50
Others Total	All Schools	24,262	18,969	26,610	31,740	33,710	25,280	21,873	34,811	28,020	33,981	41,753
Grand Total		262,719	279,244	258,361	231,477	277,879	277,837	289,704	351,927	366,757	439,831	406,455

Agreement	School Type	Catch(%)										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
National	Free School	16%	11%	17%	28%	13%	13%	24%	8%	15%	3%	6%
	FAD associated School	84%	89%	83%	72%	87%	87%	76%	91%	85%	97%	87%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	7%
National Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
European Community	Free School	20%	18%	19%	32%	16%	22%	28%	17%	17%	4%	15%
	FAD associated School	80%	82%	81%	68%	84%	78%	71%	83%	83%	93%	84%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%	1%
European Community Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Others	Free School	21%	26%	30%	49%	25%	37%	33%	37%	25%	22%	39%
	FAD associated School	79%	74%	69%	51%	75%	63%	67%	63%	75%	78%	61%
	Unidentified School	0%	0%	1%	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 30/10/2020)

Country: ALL

Area: SYC EEZ

Years: 2009 - 2019

Agreement	School Type	Catch(MT)										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
National	Free School	3,419	2,756	4,135	5,661	1,014	1,001	3,028	3,194	4,940	357	3,204
	FAD associated School	6,187	8,067	8,918	4,585	5,457	6,574	8,617	17,946	10,575	24,444	14,007
	Unidentified School	0	0	135	0	21	0	6	47	57	10	877
National Total	All Schools	9,606	10,823	13,187	10,246	6,492	7,575	11,650	21,187	15,572	24,812	18,088
European Community	Free School	7,862	11,284	13,764	18,047	6,064	14,726	12,271	16,494	15,950	2,566	14,921
	FAD associated School	15,872	30,986	26,253	17,250	16,540	27,908	20,235	43,937	33,610	51,864	38,799
	Unidentified School	7	71	4	0	113	0	0	17	26	1,497	188
European Community Total	All Schools	23,741	42,341	40,021	35,298	22,717	42,633	32,506	60,448	49,586	55,927	53,908
Others	Free School	1,791	2,039	3,189	7,446	1,758	2,128	2,006	5,851	2,767	1,277	6,429
	FAD associated School	1,721	3,209	2,864	4,583	5,036	3,457	2,884	5,472	5,435	6,632	6,627
	Unidentified School	0	0	0	0	9	0	0	0	0	0	0
Others Total	All Schools	3,512	5,247	6,053	12,029	6,804	5,586	4,890	11,323	8,202	7,910	13,056
Grand Total		36,859	58,412	59,261	57,572	36,013	55,794	49,046	92,958	73,360	88,649	85,052

Agreement	School Type	Catch(%)										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
National	Free School	36%	25%	31%	55%	16%	13%	26%	15%	32%	1%	18%
	Seychelles	64%	75%	68%	45%	84%	87%	74%	85%	68%	99%	77%
	Unidentified School	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	5%
National Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
European Community	Free School	33%	27%	34%	51%	27%	35%	38%	27%	32%	5%	28%
	FAD associated School	67%	73%	66%	49%	73%	65%	62%	73%	68%	93%	72%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%
European Community Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Others	Free School	51%	39%	53%	62%	26%	38%	41%	52%	34%	16%	49%
	FAD associated School	49%	61%	47%	38%	74%	62%	59%	48%	66%	84%	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 30/10/2020)

Area: SEYCHELLES EEZ

Year: 2018

Access Regime	Quarter	Effort	Catch Rate	Catches		Skipjack		Bigeye		Albacore		Others		Total	Cummulative
		Days Fished	MT/Fishing day	Yellowfin (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	Total (Mt)
National	1	250	48.33	3,522	29	7,823	65	701	6	1	0	14	0.1	12,061	12,061
	2	129	16.20	739	35	1,248	60	104	5	1	0	1	0.1	2,092	14,153
	3	209	41.38	2,733	32	5,501	64	398	5	2	0	9	0.1	8,643	22,796
	4	60	33.35	331	16	1,628	81	57	3	0	0	0	0.0	2,016	24,812
National Total		648	38.29	7,324	30	16,199	65	1,260	5	4	0	25	0	24,812	
EC Agreement	1	507	38.93	6,186	31	12,469	63	1,057	5	4	0	13	0.1	19,729	19,729
	2	445	18.34	3,112	38	4,507	55	540	7	1	0	9	0.1	8,169	27,898
	3	609	36.48	7,957	36	13,462	61	690	3	12	0	82	0.4	22,203	50,101
	4	336	17.33	2,210	38	3,366	58	234	4	5	0	11	0.2	5,826	55,927
EC Agreement Total		1,897	29.48	19,465	35	33,804	60	2,521	5	22	0	114	0	55,927	
Others	1	92	33.86	1,380	44	1,580	51	163	5	1	0	0	0.0	3,124	3,124
	2	93	20.21	988	52	777	41	121	6	0	0	0	0.0	1,886	5,010
	3	65	37.96	1,065	43	1,214	50	166	7	2	0	3	0.1	2,450	7,461
	4	22	20.81	99	22	326	73	24	5	0	0	0	0.0	449	7,910
Others Total		272	29.11	3,533	45	3,897	49	474	6	3	0	3	0	7,910	
All Agreements	1	849	41.14	11,087	32	21,872	63	1,921	6	6	0	27	0	34,914	34,914
	2	668	18.19	4,839	40	6,531	54	765	6	2	0	10	0	12,148	47,061
	3	882	37.75	11,755	35	20,176	61	1,254	4	16	0	94	0	33,296	80,358
	4	418	19.83	2,640	32	5,320	64	315	4	5	0	11	0	8,291	88,649
Grand Total		2,817	31.47	30,322	34	53,899	61	4,255	5	30	0	143	0	88,649	

EC Agreement: Include Seychelles

Other Agreement: Includes Korea and Mauritius

Area: SEYCHELLES EEZ

Year: 2019

Access Regime	Quarter	Effort	Catch Rate	Catches		Skipjack		Bigeye		Albacore		Others		Total	Cummulative
		Days Fished	MT/Fishing day	Yellowfin (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	Total (Mt)
National	1	195	25.77	1,610	32	3,197	63	220	4	3	0	8	0.2	5,038	5,038
	2	202	22.78	2,036	44	1,950	42	621	13	3	0	0	0.0	4,610	9,648
	3	192	40.31	2,737	35	4,600	59	417	5	1	0	0	0.0	7,755	17,403
	4	43	15.80	260	38	391	57	31	5	2	0	0	0.0	685	18,088
National Total		634	28.55	6,643	37	10,138	56	1,290	7	9	0	8	0	18,088	
EC Agreement	1	464	36.94	6,245	36	9,751	57	1,042	6	73	0	35	0.2	17,146	17,146
	2	353	34.90	5,373	44	4,154	34	2,724	22	9	0	77	0.6	12,336	29,482
	3	576	36.62	8,949	42	10,733	51	1,382	7	8	0	17	0.1	21,090	50,572
	4	169	19.73	1,037	31	2,155	65	132	4	5	0	7	0.2	3,336	53,908
EC Agreement Total		1,563	34.50	21,603	40	26,793	50	5,280	10	96	0	137	0	53,908	
Others	1	87	28.87	1,637	65	664	26	214	9	1	0	4	0.2	2,520	2,520
	2	115	41.63	3,583	75	709	15	490	10	4	0	6	0.1	4,793	7,313
	3	145	31.63	2,328	51	1,908	42	344	8	2	0	0	0.0	4,582	11,895
	4	34	34.64	174	15	957	82	30	3	0	0	0	0.0	1,161	13,056
Others Total		381	34.29	7,723	59	4,238	32	1,078	8	7	0	10	0	13,056	
All Agreements	1	747	33.07	9,492	27	13,612	39	1,476	4	77	0	48	0	24,705	24,705
	2	671	32.40	10,992	90	6,813	56	3,835	32	16	0	83	1	21,739	46,443
	3	913	36.61	14,014	42	17,241	52	2,143	6	11	0	17	0	33,427	79,870
	4	246	21.07	1,471	18	3,503	42	194	2	7	0	7	0	5,182	85,052
Grand Total		2,577	33.00	35,969	41	41,169	46	7,648	9	111	0	155	0	85,052	

EC Agreement: Includes Spain, France and Italy

Other Agreement: Includes Korea and Mauritius

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

(Database Closed on 30/10/2020)

Country: ALL**Semester 1, Years: 2009 - 2019**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	DIEGO SUAREZ	MAURICE	MOMBASA	OTHERS*		
2009	86,999	32,339	10,324	950	238	130,850	66%
2010	93,761	31,587	4,586	2,694	0	132,627	71%
2011	89,174	20,174	13,454	1,040	0	123,843	72%
2012	92,675	19,595	13,000	2,937	0	128,207	72%
2013	94,013	19,955	8,951	0	0	122,919	76%
2014	114,826	3,023	9,390	3,971	0	131,211	88%
2015	127,488	7,679	3,093	3,241	0	141,501	90%
2016	141,230	3,335	2,285	0	0	146,851	96%
2017	176,719	6,558	1,879	0	0	185,156	95%
2018	216,243	1,483	6,018	0	0	223,744	97%
2019	196,321	1,365	3,220	0	0	200,906	98%

*Others include Phuket and Abidjan

Country: ALL**Semester 2, Years: 2009 - 2019**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	DIEGO SUAREZ	MAURICE	MOMBASA	OTHERS*		
2009	127,321	1,110	1,184	1,237	1,735	132,587	96%
2010	134,308	0	4,844	1,883	0	141,035	95%
2011	124,988	0	9,606	409	0	135,003	93%
2012	94,065	1,001	8,844	3,340	0	107,251	88%
2013	139,561	4,287	9,297	1,527	0	154,672	90%
2014	130,948	1,514	7,368	1,507	0	141,338	93%
2015	141,361	175	2,981	0	0	144,517	98%
2016	187,068	0	3,171	0	0	190,238	98%
2017	165,151	1,301	3,336	0	0	169,788	97%
2018	207,497	0	1,188	0	0	208,686	99%
2019	191,387	13,776	743	0	0	205,906	93%

*Others include Phuket and Abidjan

Country: ALL**Years: 2009 - 2019**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	DIEGO SUAREZ	MAURICE	MOMBASA	OTHERS*		
2009	214,320	33,449	11,508	2,186	1,973	263,437	81%
2010	228,069	31,587	9,429	4,576	0	273,661	83%
2011	214,163	20,174	23,061	1,449	0	258,846	83%
2012	186,740	20,597	21,844	6,277	0	235,458	79%
2013	233,574	24,242	18,247	1,527	0	277,591	84%
2014	245,774	4,538	16,758	5,479	0	272,549	90%
2015	268,849	7,855	6,074	3,241	0	286,019	94%
2016	328,298	3,335	5,456	0	0	337,089	97%
2017	341,870	7,859	5,215	0	0	354,944	96%
2018	423,740	1,483	7,206	0	0	432,430	98%
2019	387,708	15,141	3,963	0	0	406,812	95%

*Others include Phuket and Abidjan

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

(Database Closed on 30/10/2020)

Port: VICTORIA, SEYCHELLES

Year: 2018

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)					
Jan	6,311	17,816	2,837	0	16,749	43,714	116	43,830	43,830	100%
Feb	6,967	20,281	2,820	3	21,692	51,763	224	51,987	53,591	97%
Mar	5,504	15,234	2,260	0	19,659	42,657	183	42,840	46,154	93%
Apr	5,170	11,517	2,134	0	13,207	32,029	245	32,274	33,609	96%
May	2,665	6,726	1,015	0	19,784	30,190	609	30,799	31,753	97%
Jun	3,040	4,751	726	0	5,755	14,273	239	14,512	14,807	98%
Jul	6,274	8,176	1,250	0	14,363	30,063	134	30,197	30,197	100%
Aug	8,168	11,487	1,780	0	13,018	34,452	208	34,660	35,448	98%
Sep	7,891	17,809	1,985	0	16,253	43,937	296	44,233	44,233	100%
Oct	6,386	15,813	2,051	0	14,168	38,417	279	38,696	38,696	100%
Nov	6,639	11,620	1,795	0	19,410	39,464	384	39,848	39,848	100%
Dec	5,228	5,908	654	0	8,068	19,859	5	19,863	20,263	98%
Annual	70,243	147,138	21,309	3	182,126	420,819	2,922	423,740	432,430	98%
Quarter 1	18,782	53,331	7,917	3	58,100	138,135	524	138,658	143,575	97%
Quarter 2	10,875	22,995	3,875	0	38,746	76,492	1,093	77,585	80,169	97%
Quarter 3	22,333	37,471	5,015	0	43,633	108,452	637	109,090	109,878	99%
Quarter 4	18,253	33,340	4,501	0	41,646	97,740	668	98,408	98,807	100%
First Semester	29,658	76,326	11,793	3	96,846	214,626	1,617	216,243	223,744	97%
Second Semester	40,585	70,812	9,516	0	85,279	206,192	1,305	207,497	208,686	99%

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

Port: VICTORIA, SEYCHELLES

Year: 2019

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)					
Jan	12,173	13,906	2,768		14,282	43,129		43,129	44,662	97%
Feb	5,366	7,964	812		15,638	29,779		29,779	29,779	100%
Mar	8,223	12,861	2,459	40	16,133	39,716		39,716	40,637	98%
Apr	6,121	11,599	2,672	1	10,628	31,020		31,020	31,019	100%
May	7,708	7,391	1,664		15,020	31,783		31,783	33,148	96%
Jun	7,799	9,454	1,819	7	1,862	20,940		20,940	21,659	97%
Jul	9,347	4,363	2,529		4,750	20,988	1	20,990	21,066	100%
Aug	8,022	15,495	4,804		6,485	34,806	42	34,848	36,528	95%
Sep	7,325	14,879	2,033		9,696	33,934		33,934	37,961	89%
Oct	9,375	21,823	2,026		6,544	39,768		39,768	41,758	95%
Nov	8,854	21,572	2,169		3,962	36,558	228	36,787	43,531	85%
Dec	5,193	16,814	1,538		1,516	25,061		25,061	25,061	100%
Annual	95,508	158,121	27,293	47	106,515	387,483	272	387,755	406,812	95%
Quarter 1	25,762	34,731	6,039	40	46,052	112,625	0	112,625	115,079	98%
Quarter 2	21,628	28,444	6,154	7	27,510	83,743	0	83,743	85,827	98%
Quarter 3	24,695	34,737	9,366	0	20,930	89,728	43	89,771	95,555	94%
Quarter 4	23,423	60,209	5,733	0	12,022	101,387	228	101,616	110,351	92%
First Semester	47,390	63,175	12,194	47	73,562	196,368	0	196,368	200,906	98%
Second Semester	48,118	94,946	15,099	0	32,952	191,115	272	191,387	205,906	93%

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

TABLE 1.7B Monthly Landing and Transhipment Statistics of Purse Seiners in Port Diego Suarez

(Database Closed on 30/10/2020)

Port: DIEGO SUAREZ, MADAGASCAR

Year: 2018

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)					
Jan	0	0	0	0	0	0	0	0	43,830	0%
Feb	0	0	0	0	0	0	0	0	53,591	0%
Mar	0	0	0	0	0	0	0	0	46,154	0%
Apr	273	706	357	0	0	1,335	0	1,335	33,609	4%
May	38	109	1	0	0	148	0	148	31,753	0%
Jun	0	0	0	0	0	0	0	0	14,807	0%
Jul	0	0	0	0	0	0	0	0	30,197	0%
Aug	0	0	0	0	0	0	0	0	35,448	0%
Sep	0	0	0	0	0	0	0	0	44,233	0%
Oct	0	0	0	0	0	0	0	0	38,696	0%
Nov	0	0	0	0	0	0	0	0	39,848	0%
Dec	0	0	0	0	0	0	0	0	20,263	0%
Annual Total	311	815	357	0	0	1,483	0	1,483	432,430	0%
Quarter 1	0	0	0	0	0	0	0	0	143,575	0%
Quarter 2	311	815	357	0	0	1,483	0	1,483	80,169	2%
Quarter 3	0	0	0	0	0	0	0	0	109,878	0%
Quarter 4	0	0	0	0	0	0	0	0	98,807	0%
First Semester	311	815	357	0	0	1,483	0	1,483	223,744	1%
Second Semester	0	0	0	0	0	0	0	0	208,686	0%

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

Port: DIEGO SUAREZ, MADAGASCAR

Year: 2019

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)					
Jan	0	0	0	0	0	0	0	0	44,662	0%
Feb	0	0	0	0	0	0	0	0	29,779	0%
Mar	0	0	0	0	0	0	0	0	40,637	0%
Apr	0	0	0	0	0	0	0	0	31,019	0%
May	422	625	318	0	0	1,365	0	1,365	33,148	4%
Jun	0	0	0	0	0	0	0	0	21,659	0%
Jul	0	0	0	0	0	0	0	0	21,066	0%
Aug	246	1,384	51	0	0	1,681	0	1,681	36,528	5%
Sep	719	2,866	442	0	0	4,026	0	4,026	37,961	11%
Oct	226	1,075	23	0	0	1,324	0	1,324	41,758	3%
Nov	831	3,887	452	0	1,575	6,745	0	6,745	43,531	15%
Dec	0	0	0	0	0	0	0	0	25,061	0%
Annual Total	2,444	9,836	1,286	0	1,575	15,141	0	15,141	406,812	4%
Quarter 1	0	0	0	0	0	0	0	0	115,079	0%
Quarter 2	422	625	318	0	0	1,365	0	1,365	85,827	2%
Quarter 3	965	4,250	493	0	0	5,707	0	5,707	95,555	6%
Quarter 4	1,057	4,962	475	0	1,575	8,069	0	8,069	110,351	7%
First Semester	422	625	318	0	0	1,365	0	1,365	200,906	1%
Second Semester	2,022	9,211	968	0	1,575	13,776	0	13,776	205,906	7%

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

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

(Database Closed on 30/10/2020)

Port: PORT LOUIS, MAURITIUS

Year: 2018

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)					
Jan	0	0	0	0	0	0	0	0	43,830	0%
Feb	699	740	157	0	0	1,597	7	1,604	53,591	3%
Mar	1,081	1,807	378	0	0	3,267	47	3,313	46,154	7%
Apr	0	0	0	0	0	0	0	0	33,609	0%
May	229	519	13	0	0	761	45	806	31,753	3%
Jun	156	123	9	0	0	287	7	294	14,807	2%
Jul	0	0	0	0	0	0	0	0	30,197	0%
Aug	360	309	112	0	0	781	8	789	35,448	2%
Sep	0	0	0	0	0	0	0	0	44,233	0%
Oct	0	0	0	0	0	0	0	0	38,696	0%
Nov	0	0	0	0	0	0	0	0	39,848	0%
Dec	324	41	35	0	0	400	0	400	20,263	2%
Annual Total	2,850	3,539	703	0	0	7,092	114	7,206	432,430	2%
Quarter 1	1,781	2,547	535	0	0	4,863	54	4,917	143,575	3%
Quarter 2	385	642	21	0	0	1,048	52	1,100	80,169	1%
Quarter 3	360	309	112	0	0	781	8	789	109,878	1%
Quarter 4	324	41	35	0	0	400	0	400	98,807	0%
First Semester	2,166	3,189	557	0	0	5,912	106	6,018	223,744	3%
Second Semester	684	350	147	0	0	1,180	8	1,188	208,686	1%

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

Port: PORT LOUIS, MAURITIUS

Year: 2019

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)					
Jan	422	182	41	0	888	1,533	0	1,533	44,662	3%
Feb	0	0	0	0	0	0	0	0	29,779	0%
Mar	286	588	87	0	0	961	0	961	40,637	2%
Apr	0	0	0	0	0	0	0	0	31,019	0%
May	0	0	0	0	0	0	0	0	33,148	0%
Jun	414	251	60	0	2	726	0	726	21,659	3%
Jul	76	0	0	0	0	76	0	76	21,066	0%
Aug	0	0	0	0	0	0	0	0	36,528	0%
Sep	0	0	0	0	0	0	0	0	37,961	0%
Oct	209	430	27	0	0	667	0	667	41,758	2%
Nov	0	0	0	0	0	0	0	0	43,531	0%
Dec	0	0	0	0	0	0	0	0	25,061	0%
Annual Total	1,407	1,451	216	0	889	3,963	0	3,963	406,812	1%
Quarter 1	708	770	129	0	888	2,494	0	2,494	115,079	2%
Quarter 2	414	251	60	0	2	726	0	726	85,827	1%
Quarter 3	76	0	0	0	0	76	0	76	95,555	0%
Quarter 4	209	430	27	0	0	667	0	667	110,351	1%
First Semester	1,122	1,021	188	0	889	3,220	0	3,220	200,906	2%
Second Semester	286	430	27	0	0	743	0	743	205,906	0%

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

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

(Database Closed on 30/10/2020)

Port: Mombassa, Kenya

Year: 2018

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)					
Jan	0	0	0	0	0	0	0	0	43,830	0%
Feb	0	0	0	0	0	0	0	0	53,591	0%
Mar	0	0	0	0	0	0	0	0	46,154	0%
Apr	0	0	0	0	0	0	0	0	33,609	0%
May	0	0	0	0	0	0	0	0	31,753	0%
Jun	0	0	0	0	0	0	0	0	14,807	0%
Jul	0	0	0	0	0	0	0	0	30,197	0%
Aug	0	0	0	0	0	0	0	0	35,448	0%
Sep	0	0	0	0	0	0	0	0	44,233	0%
Oct	0	0	0	0	0	0	0	0	38,696	0%
Nov	0	0	0	0	0	0	0	0	39,848	0%
Dec	0	0	0	0	0	0	0	0	20,263	0%
Annual Total	0	0	0	0	0	0	0	0	432,430	0%
Quarter 1	0	0	0	0	0	0	0	0	143,575	0%
Quarter 2	0	0	0	0	0	0	0	0	80,169	0%
Quarter 3	0	0	0	0	0	0	0	0	109,878	0%
Quarter 4	0	0	0	0	0	0	0	0	98,807	0%
First Semester	0	0	0	0	0	0	0	0	223,744	0%
Second Semester	0	0	0	0	0	0	0	0	208,686	0%

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

Port: Mombassa, Kenya

Year: 2019

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)					
Jan	0	0	0	0	0	0	0	0	44,662	0%
Feb	0	0	0	0	0	0	0	0	29,779	0%
Mar	0	0	0	0	0	0	0	0	40,637	0%
Apr	0	0	0	0	0	0	0	0	31,019	0%
May	0	0	0	0	0	0	0	0	33,148	0%
Jun	0	0	0	0	0	0	0	0	21,659	0%
Jul	0	0	0	0	0	0	0	0	21,066	0%
Aug	0	0	0	0	0	0	0	0	36,528	0%
Sep	0	0	0	0	0	0	0	0	37,961	0%
Oct	0	0	0	0	0	0	0	0	41,758	0%
Nov	0	0	0	0	0	0	0	0	43,531	0%
Dec	0	0	0	0	0	0	0	0	25,061	0%
Annual Total	0	0	0	0	0	0	0	0	406,812	0%
Quarter 1	0	0	0	0	0	0	0	0	115,079	0%
Quarter 2	0	0	0	0	0	0	0	0	85,827	0%
Quarter 3	0	0	0	0	0	0	0	0	95,555	0%
Quarter 4	0	0	0	0	0	0	0	0	110,351	0%
First Semester	0	0	0	0	0	0	0	0	200,906	0%
Second Semester	0	0	0	0	0	0	0	0	205,906	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 30/10/2020)

Port: Victoria, Seychelles
Year: 2018

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	1,463	2,165	2,423	1,266	7,317	12,369	14,585	6,488	3,072	36,514	13,832	16,749	8,911	4,338	43,830
Feb	1,888	953	2,629	480	5,950	14,530	22,517	7,081	1,910	46,037	16,417	23,470	9,710	2,390	51,987
Mar	103	2,990	1,438	133	4,664	13,636	16,669	5,609	2,262	38,176	13,739	19,659	7,048	2,395	42,840
Apr	1,189	887	1,956	7	4,039	9,889	12,320	4,075	1,950	28,235	11,079	13,207	6,031	1,957	32,274
May	1,017	1,688	1,207	827	4,739	4,609	18,096	1,661	1,694	26,060	5,626	19,784	2,868	2,522	30,799
Jun	1,605	3,860	599	4	6,069	3,227	1,895	2,101	1,220	8,444	4,832	5,755	2,700	1,224	14,512
Jul	1,431	3,498	1,293	68	6,290	4,914	10,865	5,504	2,624	23,907	6,346	14,363	6,797	2,692	30,197
Aug	512	703	647	8	1,870	11,213	14,053	6,273	1,251	32,790	11,725	14,757	6,920	1,258	34,660
Sep	3,457	1,028	1,461	257	6,204	13,030	16,405	5,704	2,890	38,029	16,487	17,433	7,166	3,147	44,233
Oct	1,533	788	1,543	51	3,915	9,763	14,977	7,851	2,191	34,781	11,296	15,765	9,393	2,242	38,696
Nov	142	1,375	411	55	1,984	8,658	18,035	7,985	3,186	37,865	8,800	19,410	8,396	3,242	39,848
Dec	5	429	174	95	703	1,723	7,640	5,583	4,215	19,160	1,727	8,068	5,757	4,310	19,863
Annual Total	14,346	20,362	15,782	3,252	53,742	107,561	168,058	65,915	28,465	369,999	121,907	188,420	81,697	31,716	423,740
Quarter 1	3,454	6,107	6,490	1,879	17,931	40,535	53,771	19,178	7,244	120,728	43,989	59,878	25,668	9,123	138,658
Quarter 2	3,812	6,434	3,762	838	14,846	17,725	32,312	7,837	4,865	62,739	21,537	38,746	11,599	5,703	77,585
Quarter 3	5,400	5,229	3,401	333	14,363	29,158	41,324	17,481	6,764	94,727	34,558	46,553	20,882	7,097	109,090
Quarter 4	1,680	2,592	2,129	202	6,602	20,144	40,651	21,418	9,592	91,806	21,824	43,243	23,547	9,794	98,408
Semester 1	7,266	12,542	10,253	2,717	32,777	58,260	86,083	27,015	12,108	183,466	65,526	98,624	37,268	14,825	216,243
Semester 2	7,080	7,821	5,530	534	20,965	49,301	81,975	38,899	16,357	186,533	56,381	89,796	44,429	16,891	207,497

Port: Victoria, Seychelles
Year: 2019

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	4,341	1,010	1,278	413	7,042	6,644	20,479	6,031	2,933	36,087	10,985	21,489	7,309	3,347	43,129
Feb	657	1,367	1,239	94	3,358	2,975	13,992	6,507	2,947	26,422	3,632	15,359	7,747	3,042	29,779
Mar	2,561	764	1,248	426	5,000	12,014	13,702	4,282	4,678	34,676	14,575	14,466	5,530	5,104	39,676
Apr	2,803	450	1,012	356	4,621	8,872	11,417	2,877	3,232	26,398	11,675	11,867	3,889	3,588	31,019
May	2,670	1,408	894	328	5,301	6,819	11,777	3,181	4,705	26,483	9,490	13,185	4,076	5,033	31,783
Jun	950	339	983	1,458	3,731	5,278	7,885	2,168	1,871	17,202	6,228	8,225	3,151	3,330	20,933
Jul	857	450	1,088	204	2,599	4,162	6,854	4,084	3,291	18,391	5,019	7,304	5,171	3,495	20,990
Aug	1,261		1,187	531	2,979	9,169	16,445	3,445	2,810	31,868	10,430	16,445	4,632	3,341	34,848
Sep	418	1,206	783	327	2,734	9,246	14,009	4,820	3,126	31,200	9,663	15,215	5,603	3,453	33,934
Oct	1,236	1,180	814	984	4,213	9,883	16,463	6,181	3,027	35,555	11,119	17,642	6,995	4,011	39,768
Nov	194	1,455	2,038	432	4,119	10,140	12,872	6,062	3,595	32,668	10,334	14,327	8,100	4,026	36,787
Dec	96	566	721	191	1,574	1,321	10,084	7,623	4,459	23,487	1,418	10,650	8,344	4,650	25,061
Annual Total	18,044	10,195	13,285	5,746	47,271	86,524	155,978	57,260	40,675	340,437	104,568	166,173	70,546	46,421	387,708
Quarter 1	7,559	3,141	3,766	934	15,400	21,633	48,173	16,821	10,558	97,185	29,193	51,313	20,586	11,492	112,584
Quarter 2	6,423	2,197	2,889	2,143	13,652	20,969	31,080	8,226	9,808	70,084	27,393	33,277	11,116	11,951	83,736
Quarter 3	2,536	1,657	3,057	1,063	8,312	22,577	37,307	12,348	9,227	81,459	25,112	38,964	15,406	10,290	89,771
Quarter 4	1,526	3,201	3,573	1,607	9,906	21,345	39,418	19,865	11,081	91,709	22,871	42,619	23,438	12,688	101,616
Semester 1	13,982	5,338	6,655	3,077	29,052	42,603	79,252	25,047	20,366	167,269	56,585	84,590	31,702	23,443	196,321
Semester 2	4,061	4,858	6,630	2,669	18,219	43,921	76,725	32,214	20,308	173,168	47,983	81,583	38,844	22,977	191,387

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

(Database Closed on 30/10/2020)

Port: VICTORIA, SEYCHELLES

Year: 2018

	Destination	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8kg)	1.8kg - 3.4kg	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)			
Landing (Mt)	Local Company	Quarter 1													0
		Quarter 2													0
		Quarter 3													0
		Quarter 4													0
	Local Company Total														0
IOT	IOT	Quarter 1	1,489	3,022		217	3,294	2,525		713	41			6,107	17,407
		Quarter 2	932	1,516		384	2,338	1,774		342	33			6,434	13,753
		Quarter 3	1,786	2,585		180	1,422	2,255		314	33			5,151	13,726
		Quarter 4	548	811		34	263	1,566		116	4			2,592	5,934
	IOT Landing Total		4,755	7,934		816	7,317	8,119		1,485	111			20,284	50,820
Landing Total		4,755	7,934		816	7,317	8,119		1,485	111			20,284	50,820	
Transhipment (Mt)	Container	Quarter 1	1,256	4,391	387	352	4,770	3,512	2,098	1,383	296	386	3	15,138	33,971
		Quarter 2	1,419	2,106	304	716	2,584	1,763	632	830	143	201		11,064	21,762
		Quarter 3	6,029	3,003	125	468	3,615	6,060	45	1,714	346	152		19,476	41,033
		Quarter 4	2,084	1,836		408	1,413	4,195		882	202			16,242	27,262
	Container Total		10,788	11,337	816	1,944	12,381	15,529	2,775	4,809	987	739	3	61,920	124,028
	Reefer	Quarter 1	4,562	3,298	378	2,190	18,585	13,785	2,005	4,091	786	222	0	36,855	86,757
		Quarter 2	3,169	1,360	70	1,557	6,612	4,037	598	2,208	109	10	0	21,248	40,976
		Quarter 3	5,993	2,507	304	1,405	8,565	12,268	1,189	2,186	236	34		19,006	53,693
		Quarter 4	5,415	7,329	229	2,064	4,529	17,530	1,339	2,483	620	194	0	22,812	64,544
Reefer Total		19,138	14,494	981	7,215	38,291	47,620	5,130	10,968	1,751	460	0	99,921	245,971	
Transhipment Total		29,926	25,831	1,797	9,159	50,672	63,150	7,906	15,776	2,738	1,199	3	161,842	369,999	
Total (Mt)		Quarter 1	7,307	10,711	765	2,759	26,648	19,821	4,103	6,186	1,123	608	3	58,100	138,135
		Quarter 2	5,519	4,983	374	2,657	11,534	7,574	1,230	3,380	285	211	0	38,746	76,492
		Quarter 3	13,809	8,095	429	2,053	13,602	20,582	1,234	4,214	615	186	0	43,633	108,452
		Quarter 4	8,047	9,976	229	2,506	6,205	23,291	1,339	3,481	826	194	0	41,646	97,740
Year Total			34,681	33,765	1,797	9,975	57,989	71,269	7,906	17,261	2,849	1,199	3	182,126	420,819

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.

	Destination	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8kg)	1.8kg - 3.4kg	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)			
Landing (Mt)	Local Company	Quarter 1												165	165
		Quarter 2					4							634	638
		Quarter 3					4								4
		Quarter 4													0
	Local Company Total					8								799	807
IOT	Quarter 1	2,233	1,934	23	1,922	2,095	2,207	1,091	848	313	166	40	2,362	15,235	
	Quarter 2	1,013	3,764	97	1,832	915	1,723	677	248	1,073	86	3	1,584	13,015	
	Quarter 3	1,373	890	69	695	1,416	1,097	754	479	365	16		1,154	8,309	
	Quarter 4	1,668	876	194	867	2,169	1,441	292	256	11	13		2,119	9,906	
	IOT Landing Total		6,287	7,464	383	5,315	6,596	6,469	2,814	1,832	1,762	281	43	7,218	46,464
Landing Total		6,287	7,464	383	5,315	6,603	6,469	2,814	1,832	1,762	281	43	8,017	47,271	
Transshipment (Mt)	Container	Quarter 1	3,813	10,746	148	2,888	5,986	1,962	1,164	957	1,382	95	0	28,664	57,804
		Quarter 2	2,246	9,461	1,288	3,728	3,655	2,753	959	1,325	838	420	4	10,278	36,954
		Quarter 3	3,142	11,484	1,933	5,220	5,838	1,378	5,119	2,584	2,643	1,454		8,390	49,185
		Quarter 4	3,831	6,960	3,552	5,640	13,881	4,626	13,157	1,426	684	1,957		4,011	59,726
	Container Total		13,032	38,651	6,920	17,476	29,360	10,719	20,398	6,292	5,546	3,926	4	51,343	203,668
Reefer	Quarter 1	4,990	1,477	398	3,873	4,425	5,579	1,540	1,260	822	195		14,822	39,381	
	Quarter 2	1,500	2,122	136	7,239	1,470	1,580	1,910	1,201	279	686		15,007	33,130	
	Quarter 3	4,084	1,458	263	5,298	2,624	2,086	3,208	1,270	163	391		11,430	32,274	
	Quarter 4	3,153	2,152	1,038	2,401	6,744	2,216	6,773	837	136	413		6,121	31,984	
Reefer Total		13,728	7,209	1,835	18,810	15,263	11,461	13,431	4,568	1,400	1,685		47,380	136,769	
Transshipment Total		26,760	45,860	8,755	36,286	44,624	22,180	33,829	10,860	6,947	5,611	4	98,722	340,437	
Total (Mt)	Quarter 1	11,036	14,157	569	8,682	12,506	9,748	3,794	3,066	2,517	456	40	46,012	112,584	
	Quarter 2	4,760	15,347	1,521	12,798	6,044	6,056	3,546	2,774	2,189	1,192	7	27,503	83,736	
	Quarter 3	8,599	13,832	2,264	11,212	9,883	4,561	9,081	4,334	3,171	1,861	0	20,974	89,771	
	Quarter 4	8,652	9,987	4,784	8,908	22,794	8,284	20,222	2,519	831	2,383	0	12,250	101,616	
Year Total		33,047	53,323	9,138	41,601	51,227	28,649	36,643	12,692	8,709	5,892	47	106,739	387,708	

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 30/10/2020)

Port: VICTORIA, SEYCHELLES

Year: 2018

	Access Regime	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Total (Mt)	Cummulative Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8)	(1.8kg - 3.4kg)	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)				
Landing	National	Quarter 1	534	948		111	554	780		351	31				3,309	3,309
		Quarter 2	309	1,023		70	994	838		72	32				3,338	6,646
		Quarter 3	1,250	1,442		97	785	1,396		194	8				5,173	11,819
		Quarter 4	195	75		7	58	1,110		32	4				1,480	13,299
	National Total		2,289	3,488		285	2,390	4,124		649	74				13,299	
	EU Agreement	Quarter 1	673	1,899		81	2,089	1,430		223	6		6,107		12,508	12,508
		Quarter 2	622	494		314	1,345	936		270	1		6,434		10,416	22,924
		Quarter 3	445	1,090		75	615	795		103	25		5,151		8,300	31,224
		Quarter 4	353	736		28	205	456		84	1		2,592		4,454	35,678
	EU Agreement Total		2,093	4,219		499	4,254	3,617		680	33		20,284		35,678	
	Others	Quarter 1	282	174		25	651	314		139	4				1,590	1,590
		Quarter 2													0	1,590
		Quarter 3	91	52		7	22	64		17					253	1,843
		Quarter 4													0	1,843
	Others Total														1,843	
	All Agreements	Quarter 1	1,489	3,022	0	217	3,294	2,525	0	713	41	0	0	6,107	17,407	17,407
Quarter 2		932	1,516	0	384	2,338	1,774	0	342	33	0	0	6,434	13,753	31,160	
Quarter 3		1,786	2,585	0	180	1,422	2,255	0	314	33	0	0	5,151	13,726	44,886	
Quarter 4		548	811	0	34	263	1,566	0	116	4	0	0	2,592	5,934	50,820	
Landing Total		4,755	7,934	0	816	7,317	8,119	0	1,485	111	0	0	20,284	50,820		
Transshipment	National	Quarter 1	3,233	4,263	765	1,923	11,291	9,887	4,103	3,473	989	608			40,535	40,535
		Quarter 2	2,517	855	374	1,641	6,029	3,044	1,230	1,678	147	211			17,725	58,260
		Quarter 3	4,669	1,497	429	1,230	6,578	10,652	1,234	2,340	343	186			29,158	87,418
		Quarter 4	2,568	1,601	229	1,489	2,167	8,710	1,339	1,534	312	194			20,144	107,561
	National Total		12,987	8,216	1,797	6,283	26,066	32,293	7,906	9,024	1,791	1,199			107,561	
	EU Agreement	Quarter 1	1,901	1,584		522	10,970	6,626		1,621	76		0	51,993	75,293	75,293
		Quarter 2	1,461	1,035		481	2,534	1,863		710	43		0	32,312	40,440	115,733
		Quarter 3	6,761	2,607		588	4,844	6,675		1,381	92		0	38,483	61,431	177,164
		Quarter 4	4,038	4,253		756	3,199	10,853		1,503	390		0	39,054	64,047	241,211
	EU Agreement Total		14,162	9,480		2,347	21,547	26,016		5,215	601		0	161,842	241,211	
	Others	Quarter 1	684	1,842		96	1,093	784		380	17		3		4,899	4,899
		Quarter 2	609	1,576		150	632	893		650	62				4,573	9,473
		Quarter 3	592	1,406		56	758	1,001		179	146				4,138	13,611
		Quarter 4	893	3,310		226	576	2,162		327	121				7,616	21,226
	Others Total		2,778	8,134		529	3,059	4,840		1,536	346		3		21,226	
	All Agreements	Quarter 1	5,818	7,689	765	2,541	23,355	17,297	4,103	5,473	1,082	608	3	51,993	120,728	120,728
Quarter 2		4,587	3,466	374	2,273	9,196	5,800	1,230	3,038	252	211	0	32,312	62,739	183,466	
Quarter 3		12,022	5,510	429	1,873	12,180	18,328	1,234	3,900	582	186	0	38,483	94,727	278,193	
Quarter 4		7,499	9,165	229	2,472	5,942	21,725	1,339	3,365	822	194	0	39,054	91,806	369,999	
Transshipment Total		29,926	25,831	1,797	9,159	50,672	63,150	7,906	15,776	2,738	1,199	3	161,842	369,999		
Year Total		34,681	33,765	1,797	9,975	57,989	71,269	7,906	17,261	2,849	1,199	3	182,126	420,819		

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: 2019

	Access Regime	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Total (Mt)	Cummulative Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8)	(1.8kg - 3.4kg)	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)				
Landing	National	Quarter 1	963	1,529	23	723	1,335	874	1,091	613	242	166		0	7,559	7,559
		Quarter 2	398	1,996	97	790	413	760	677	131	1,055	86		20	6,423	13,982
		Quarter 3	362	235	69	517	378		351	288	327	1		7	2,536	16,518
		Quarter 4	140	166	194	393	586			46				0	1,526	18,044
	National Total		1,863	3,926	383	2,424	2,712	1,633	2,119	1,078	1,624	254		27	18,044	
	EU Agreement	Quarter 1	1,184	335		931	744	1,015		189	68		40	2,527	7,033	7,033
		Quarter 2	432	760		844	325	667		93	10		3	2,197	5,331	12,365
		Quarter 3	769	638		160	732	880	403	141	32	14		943	4,714	17,079
		Quarter 4	1,219	534		393	1,155	886	292	153	11	13		2,119	6,774	23,853
	EU Agreement Total		3,604	2,267		2,328	2,956	3,448	696	577	121	27	43	7,786	23,853	
	Others	Quarter 1	86	70		267	17	318		45	4			0	807	807
		Quarter 2	184	1,007		197	181	297		24	7			0	1,898	2,705
		Quarter 3	241	17		18	310	217		50	6			204	1,063	3,768
		Quarter 4	309	176		81	428	556		57	0			0	1,607	5,374
	Others Total		820	1,271		563	935	1,388		176	17			204	5,374	
	All Agreements	Quarter 1	2,233	1,934	23	1,922	2,095	2,207	1,091	848	313	166	40	2,527	15,400	15,400
Quarter 2		1,013	3,764	97	1,832	919	1,723	677	248	1,073	86	3	2,218	13,652	29,052	
Quarter 3		1,373	890	69	695	1,420	1,097	754	479	365	16	0	1,154	8,312	37,364	
Quarter 4		1,668	876	194	867	2,169	1,441	292	256	11	13	0	2,119	9,906	47,271	
Landing Total		6,287	7,464	383	5,315	6,603	6,469	2,814	1,832	1,762	281	43	8,017	47,271		
Transshipment	National	Quarter 1	1,529	3,777	546	3,594	5,712	1,075	2,704	1,114	1,228	290		64	21,633	21,633
		Quarter 2	1,489	3,966	1,039	3,313	4,287	2,425	1,525	1,217	878	818	3	10	20,969	42,603
		Quarter 3	1,986	3,969	285	3,945	3,760	212	3,958	1,026	2,109	1,139		188	22,577	65,179
		Quarter 4	2,614	3,334		5,329	7,126	37	1,211	828	351	141		373	21,345	86,524
	National Total		7,617	15,047	1,870	16,181	20,885	3,749	9,398	4,185	4,567	2,387	3	635	86,524	
	EU Agreement	Quarter 1	7,053	5,513		2,816	4,557	5,844		1,003	852			38,897	66,536	66,536
		Quarter 2	2,011	3,781	384	7,264	678	1,352	1,344	1,170	117	288		21,827	40,216	106,752
		Quarter 3	4,507	6,337	1,910	6,499	3,949	2,538	4,368	2,684	637	707		17,578	51,714	158,465
		Quarter 4	3,611	5,056	4,590	2,384	9,403	5,490	18,719	912	435	2,229		6,454	59,284	217,749
	EU Agreement Total		17,181	20,687	6,884	18,963	18,587	15,224	24,431	5,770	2,041	3,224		84,756	217,749	
	Others	Quarter 1	221	2,932		351	141	621		101	124		0	4,524	9,016	9,016
		Quarter 2	246	3,836		390	161	556		139	121		1	3,448	8,899	17,914
		Quarter 3	734	2,636		73	753	714		144	60			2,055	7,169	25,083
		Quarter 4	760	721		328	4,096	1,316		522	34			3,304	11,081	36,164
	Others Total		1,961	10,126		1,142	5,151	3,207		906	339		1	13,331	36,164	
	All Agreements	Quarter 1	8,803	12,223	546	6,760	10,411	7,540	2,704	2,218	2,204	290	0	43,485	97,185	97,185
Quarter 2		3,747	11,583	1,424	10,967	5,125	4,333	2,869	2,526	1,116	1,106	4	25,285	70,084	167,269	
Quarter 3		7,226	12,942	2,195	10,518	8,462	3,464	8,326	3,854	2,806	1,845	0	19,820	81,459	248,728	
Quarter 4		6,984	9,112	4,590	8,041	20,625	6,843	19,930	2,262	820	2,370	0	10,132	91,709	340,437	
Transshipment Total		26,760	45,860	8,755	36,286	44,624	22,180	33,829	10,860	6,947	5,611	4	98,722	340,437		
Year Total		33,047	53,323	9,138	41,601	51,227	28,649	36,643	12,692	8,709	5,892	47	106,739	387,708		

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.

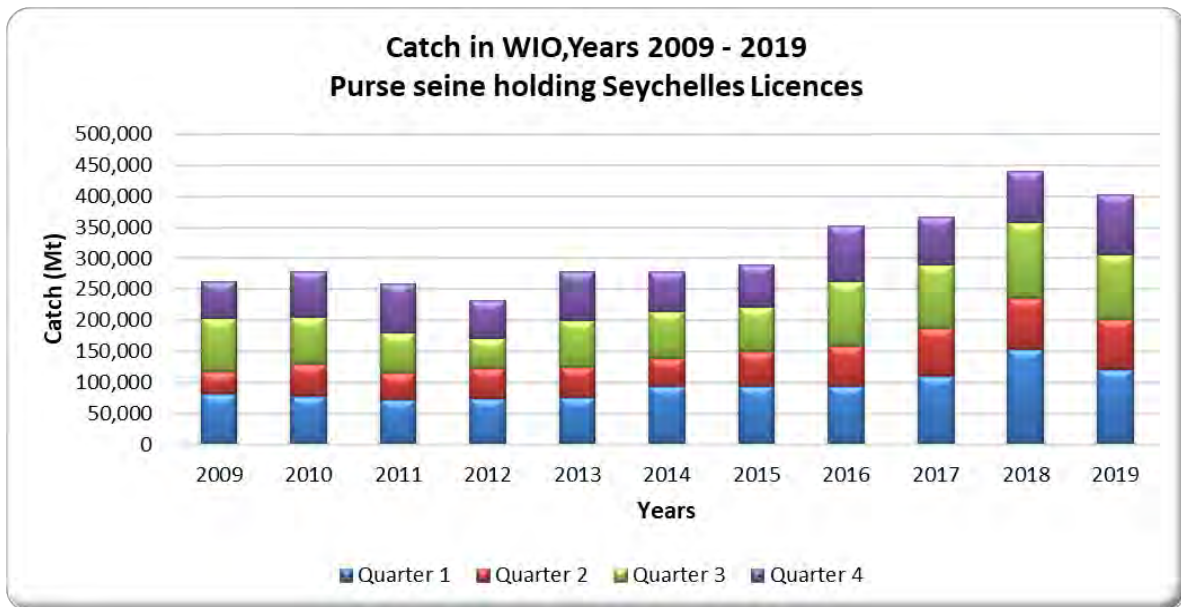


Figure 1A: Purse Seine total catch in the WIO by Year, 2009 - 2019

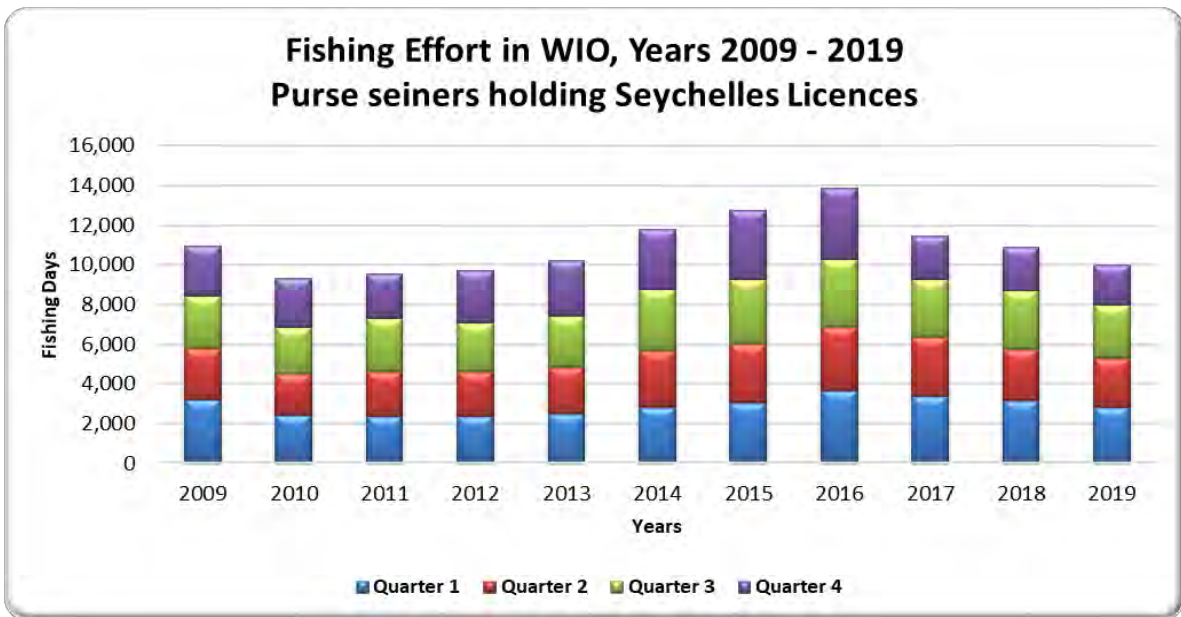


Figure 1B: Purse Seine fishing effort in the WIO by Year, 2009 - 2019

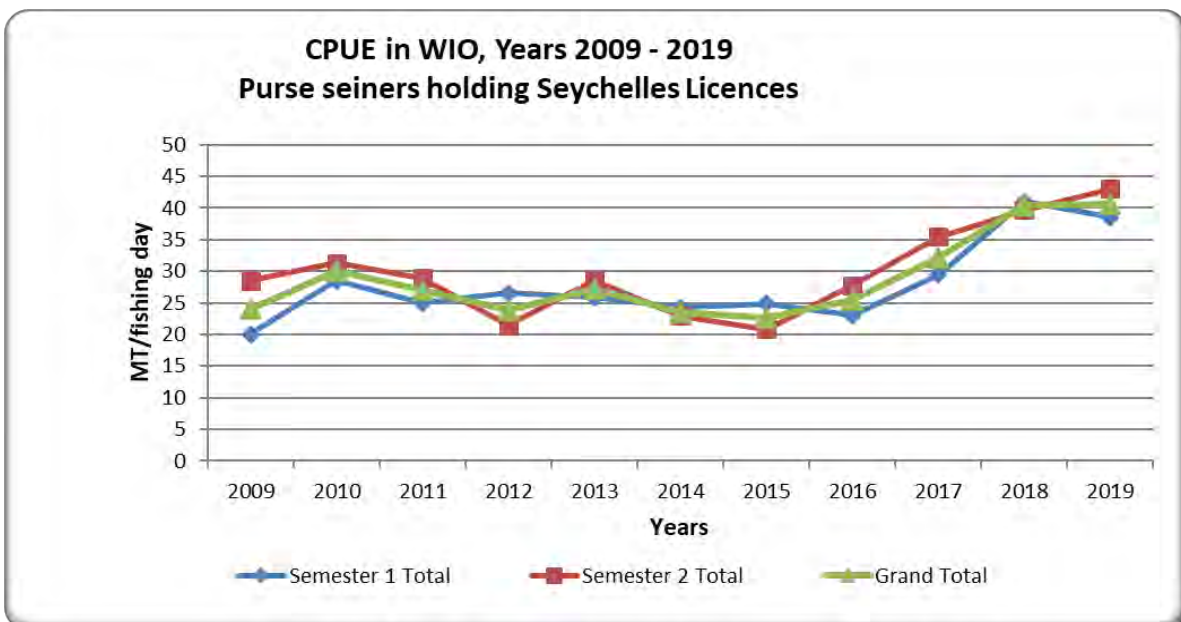


Figure 1C: Purse Seine CPUE in the WIO by Year, 2009 - 2019

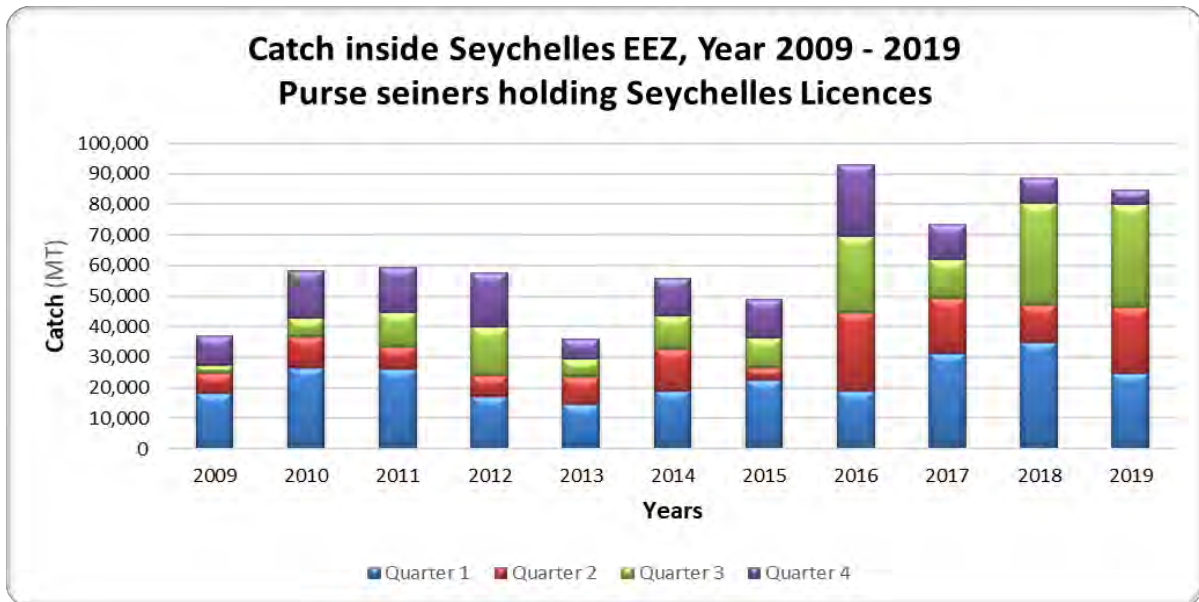


Figure 1D: Purse Seine total catch in the Seychelles EEZ by Year, 2009 - 2019

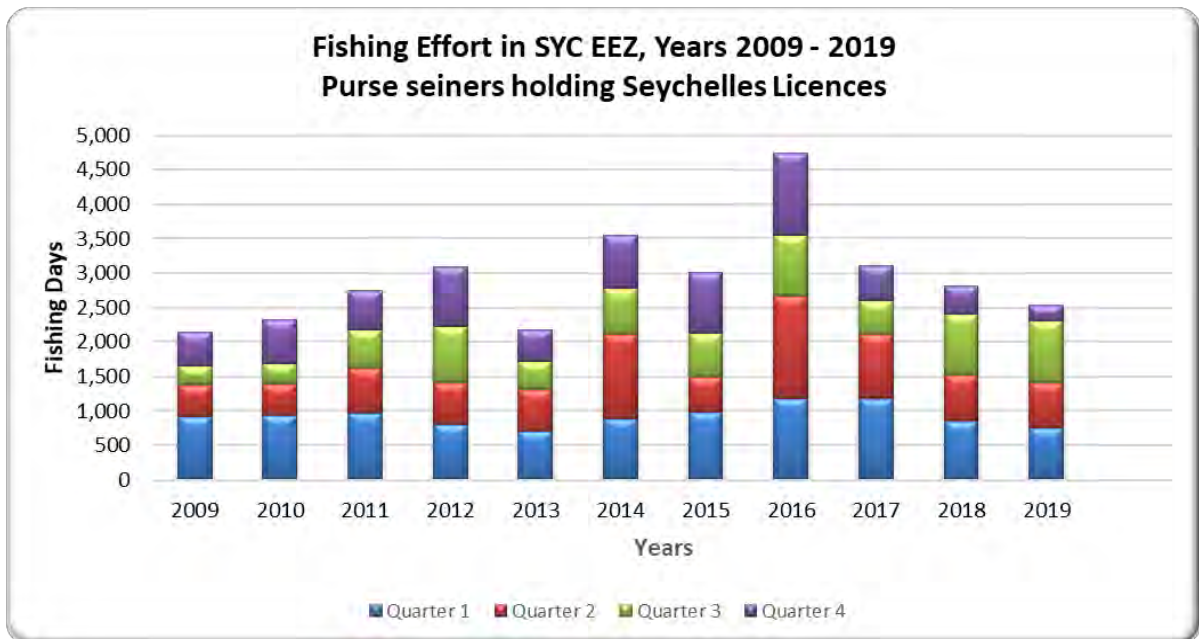


Figure 1E: Purse Seine fishing effort in the Seychelles EEZ by Year, 2009 - 2019

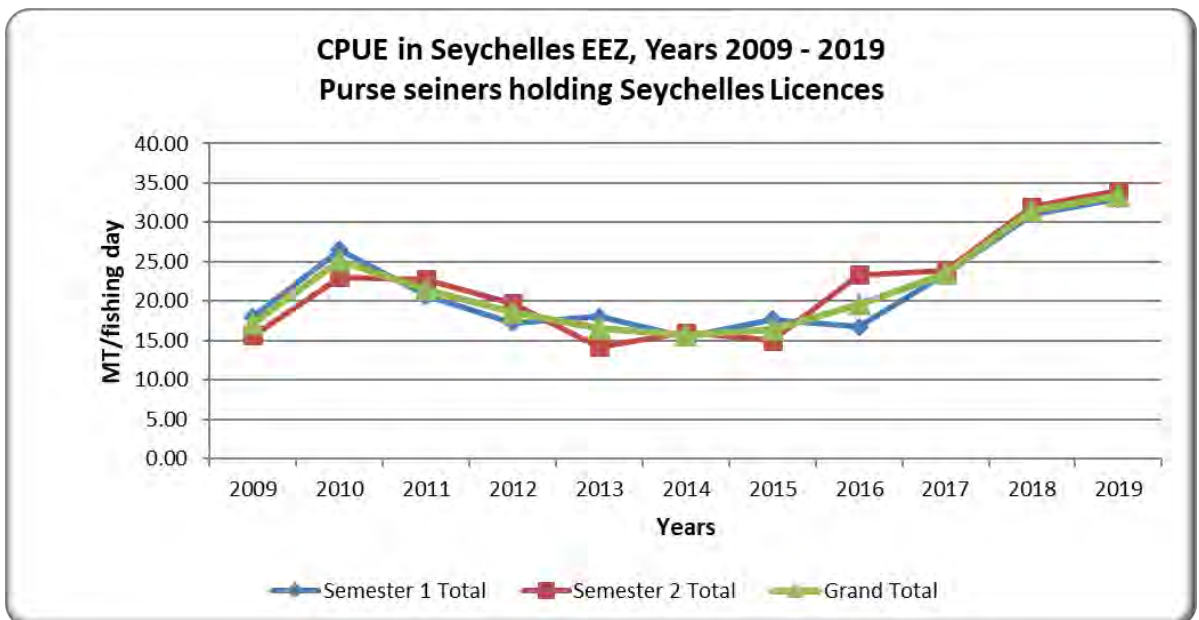


Figure 1F: Purse Seine CPUE in the Seychelles EEZ by Year, 2009 - 2019

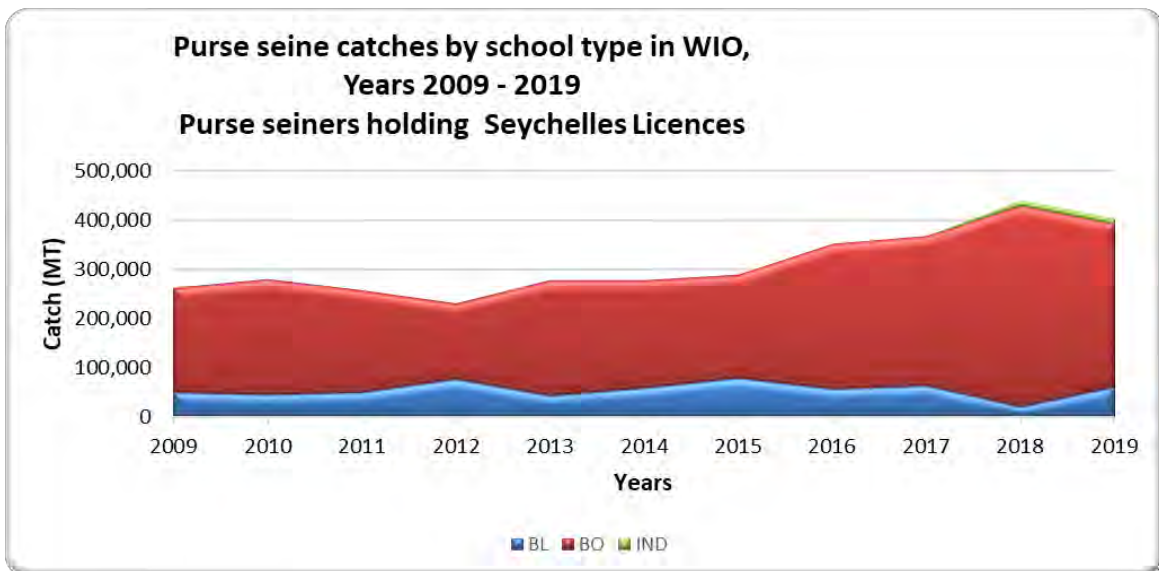


Figure 1G: Purse Seine catches by school type in WIO, Years 2009 - 2019

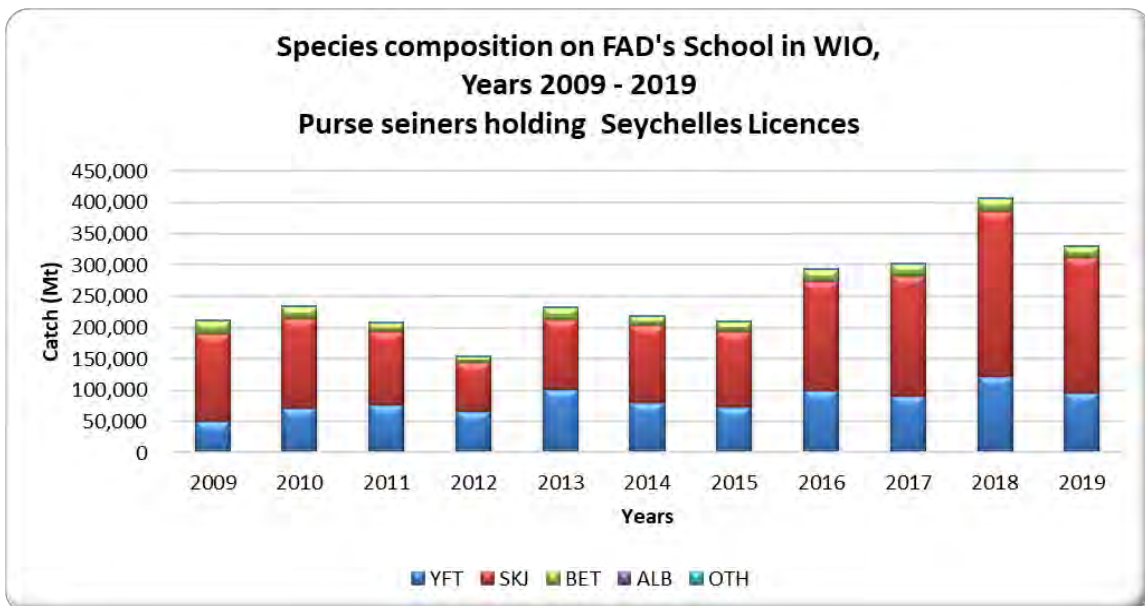


Figure 1H: Purse Seine species composition on FAD's associated school, Years 2009 - 2019

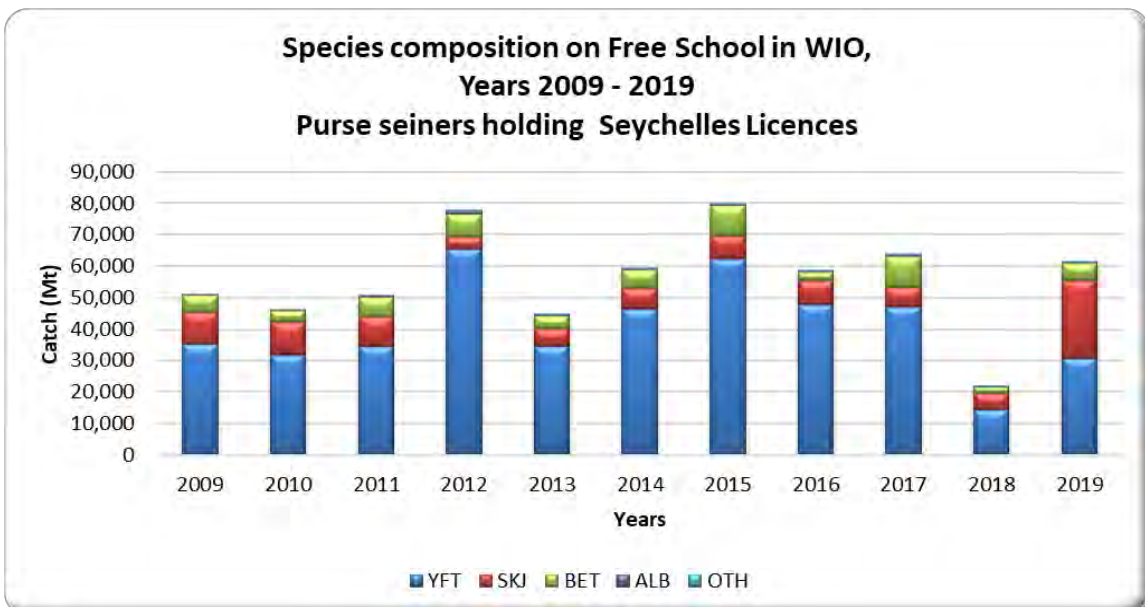


Figure 1I: Purse Seine species composition on free school, years 2009 - 2019

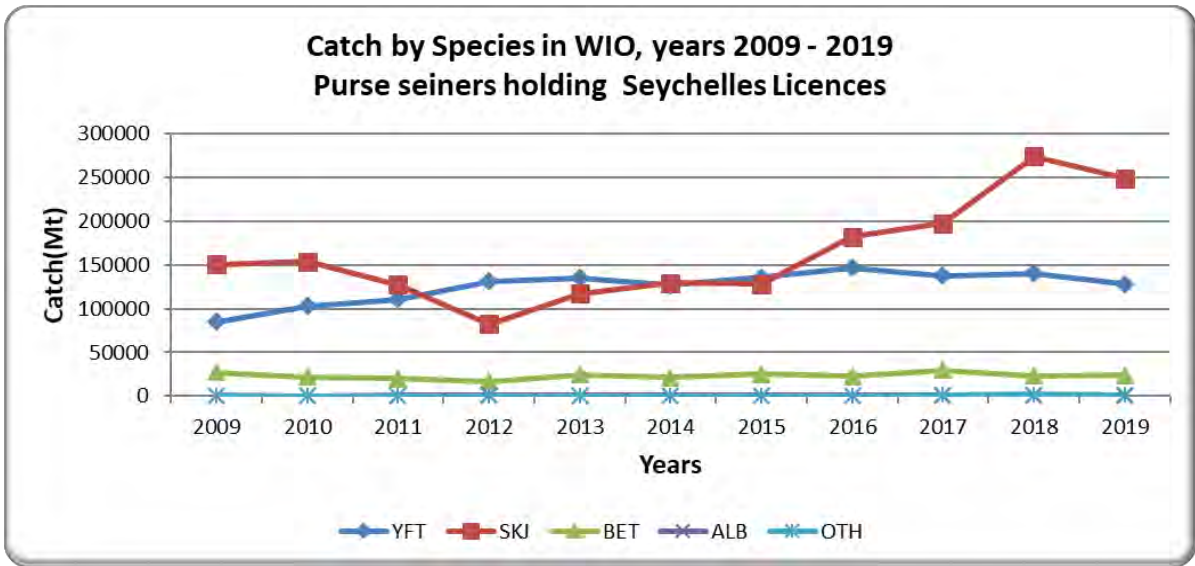


Figure 1J: Purse Seine catch by species in WIO, Years 2009 - 2019.

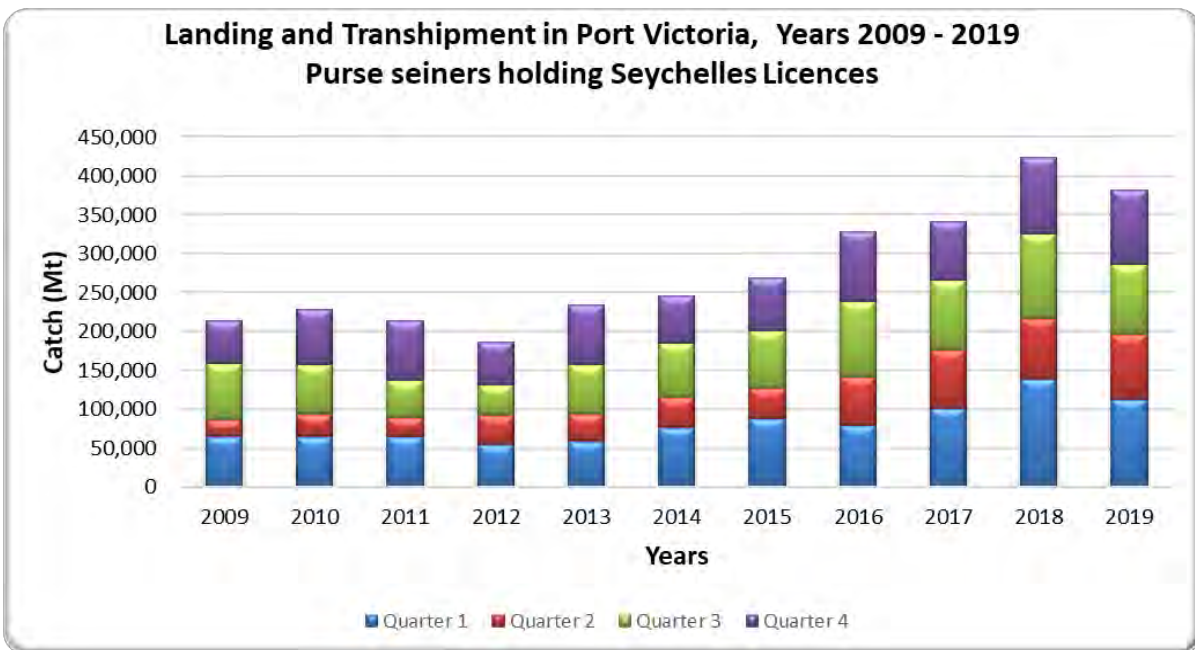


Figure 1K: Purse Seine landing and transhipment in port Victoria, Years 2009 - 2019

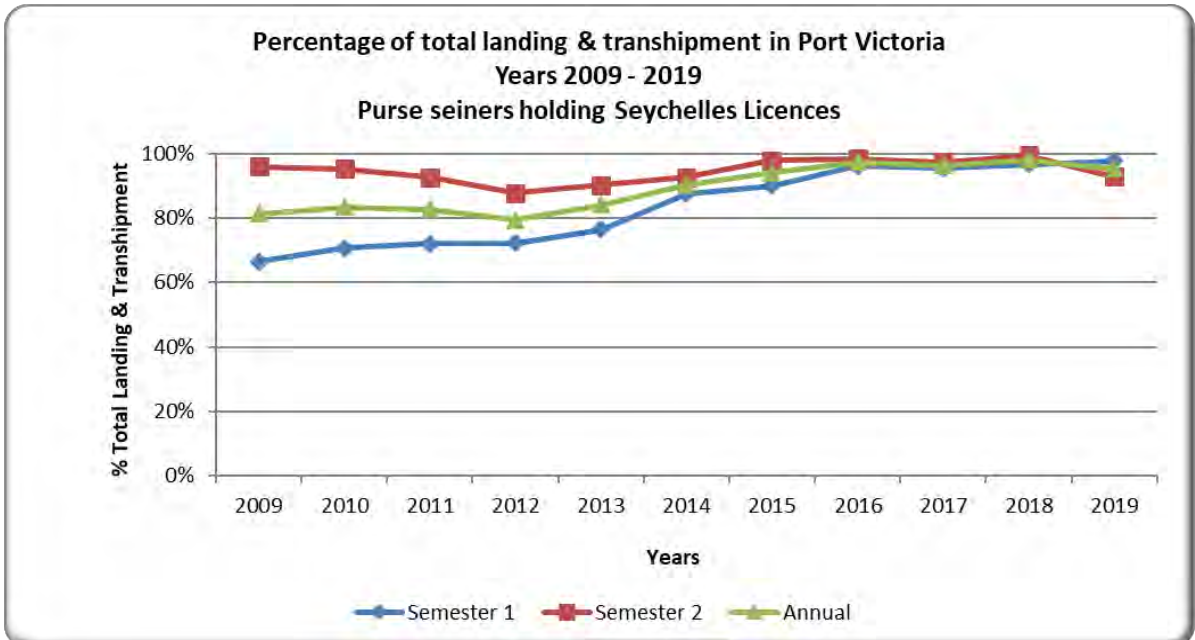
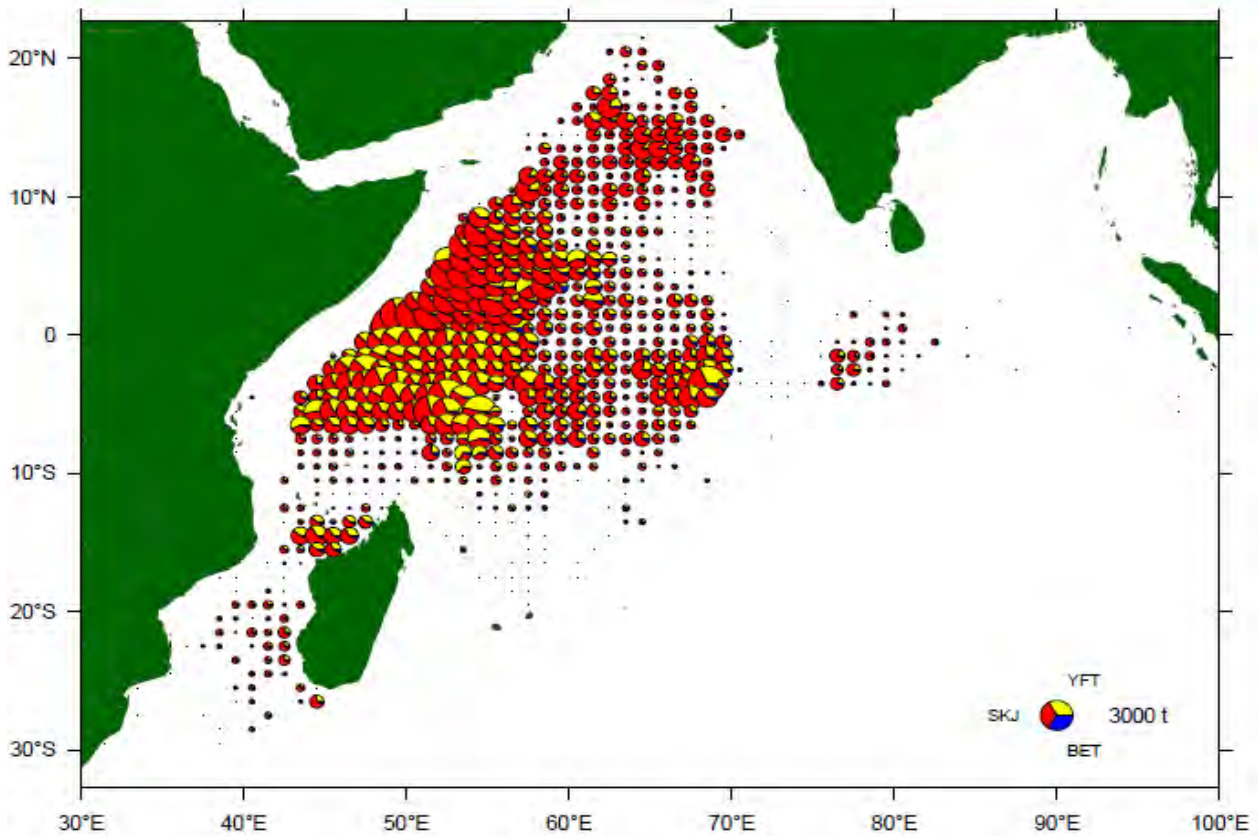


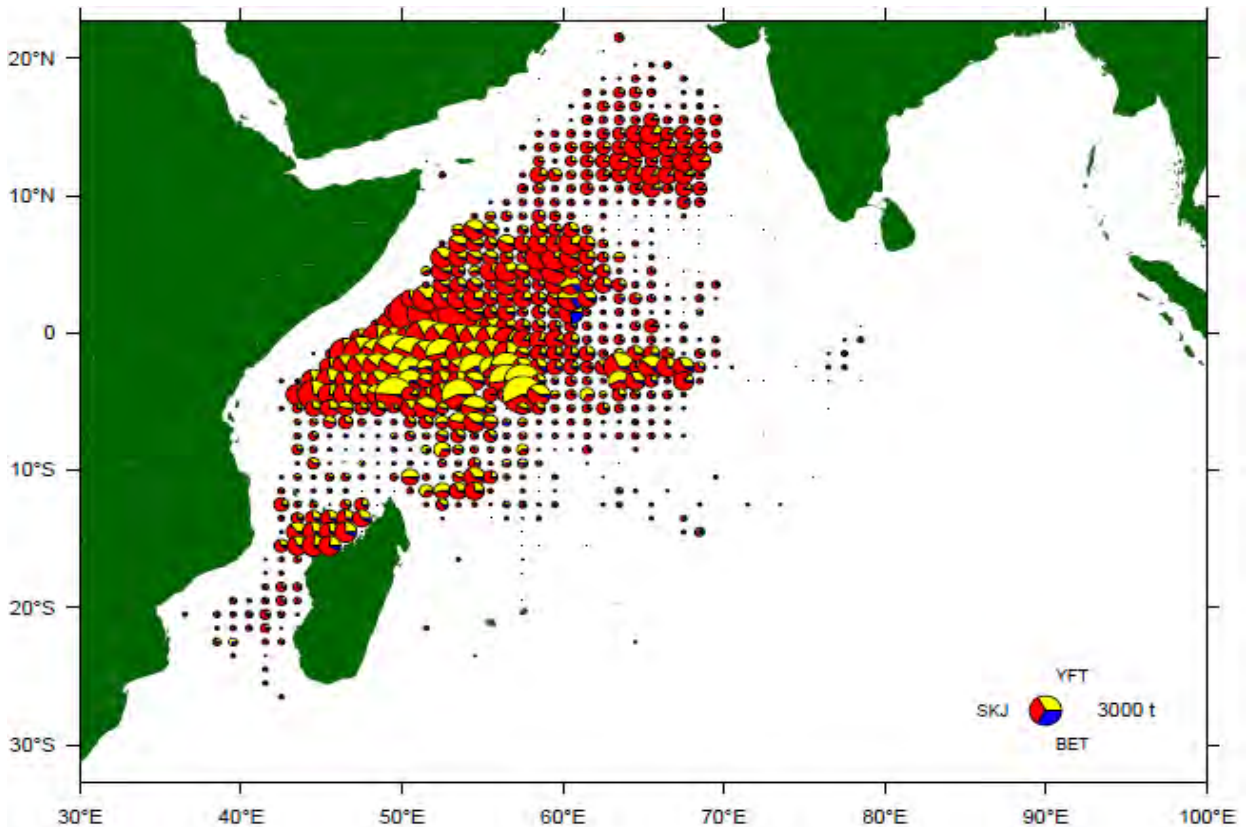
Figure 1L: Proportion of Purse Seine landing and transhipment in port Victoria, Years 2009 - 2019

Fishing Ground Exploited by Purse Seiners

Map 1A. Purse seiners fishing ground for Year 2018

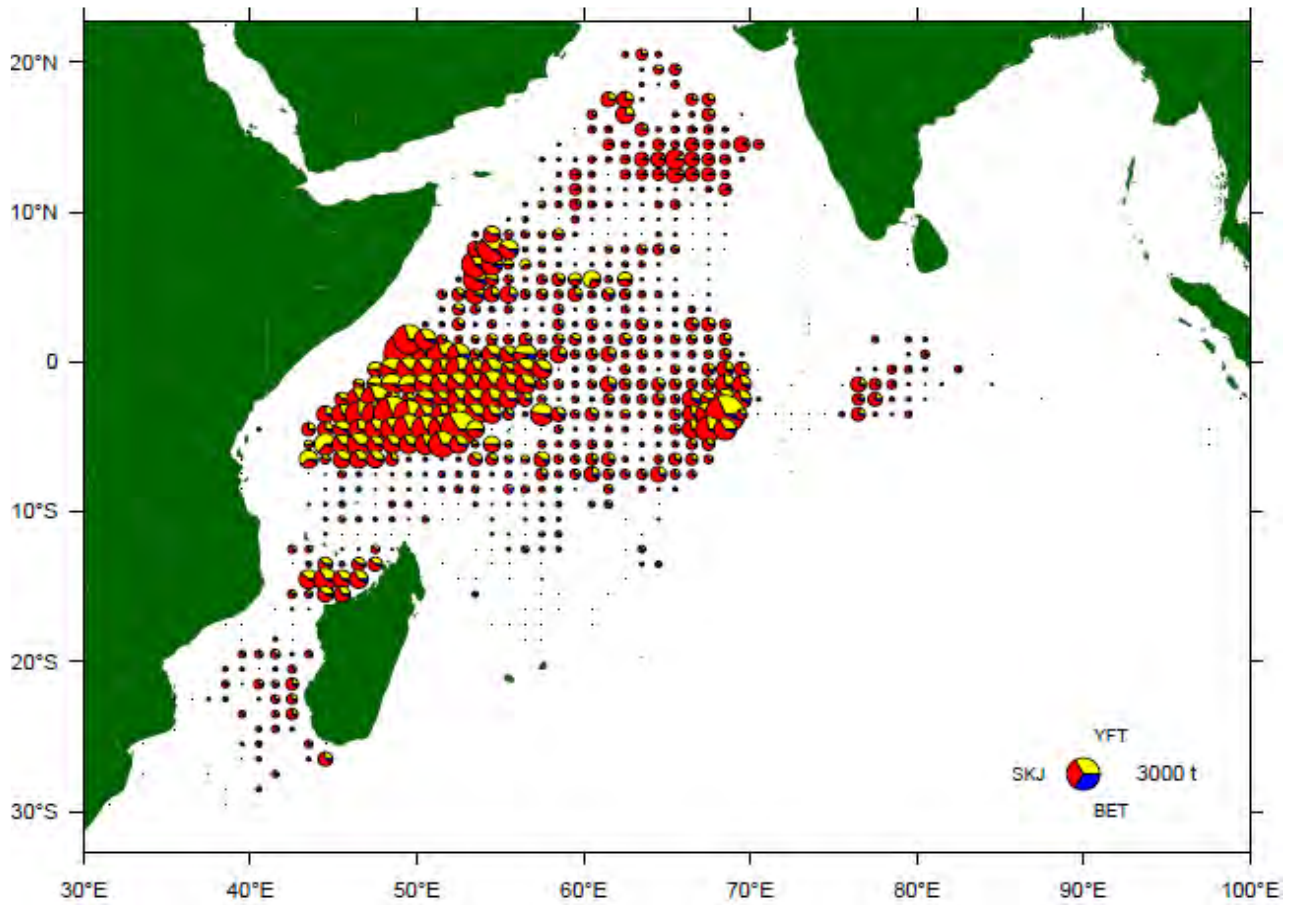


Map 1B. Purse seiners fishing ground for Year 2019

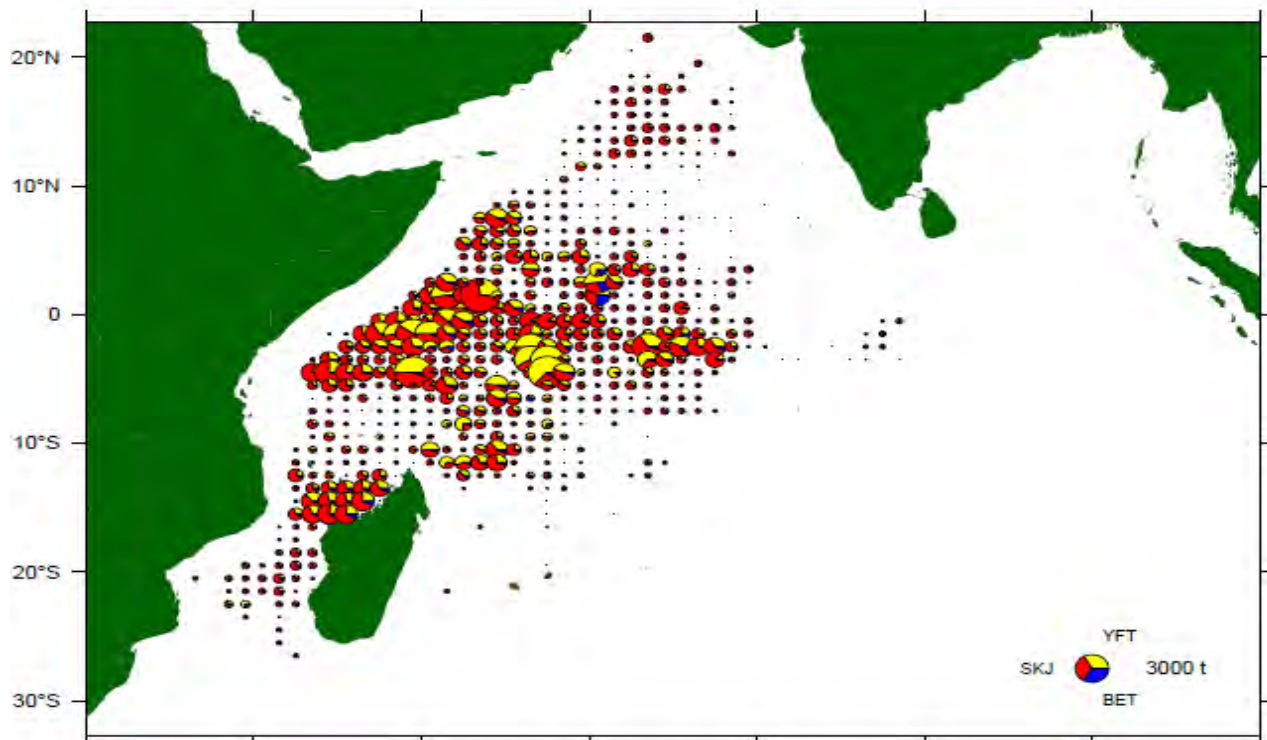


Fishing Ground Exploited by Purse Seiners

Map 1C. Purse seiners fishing ground for 1st Semester 2018

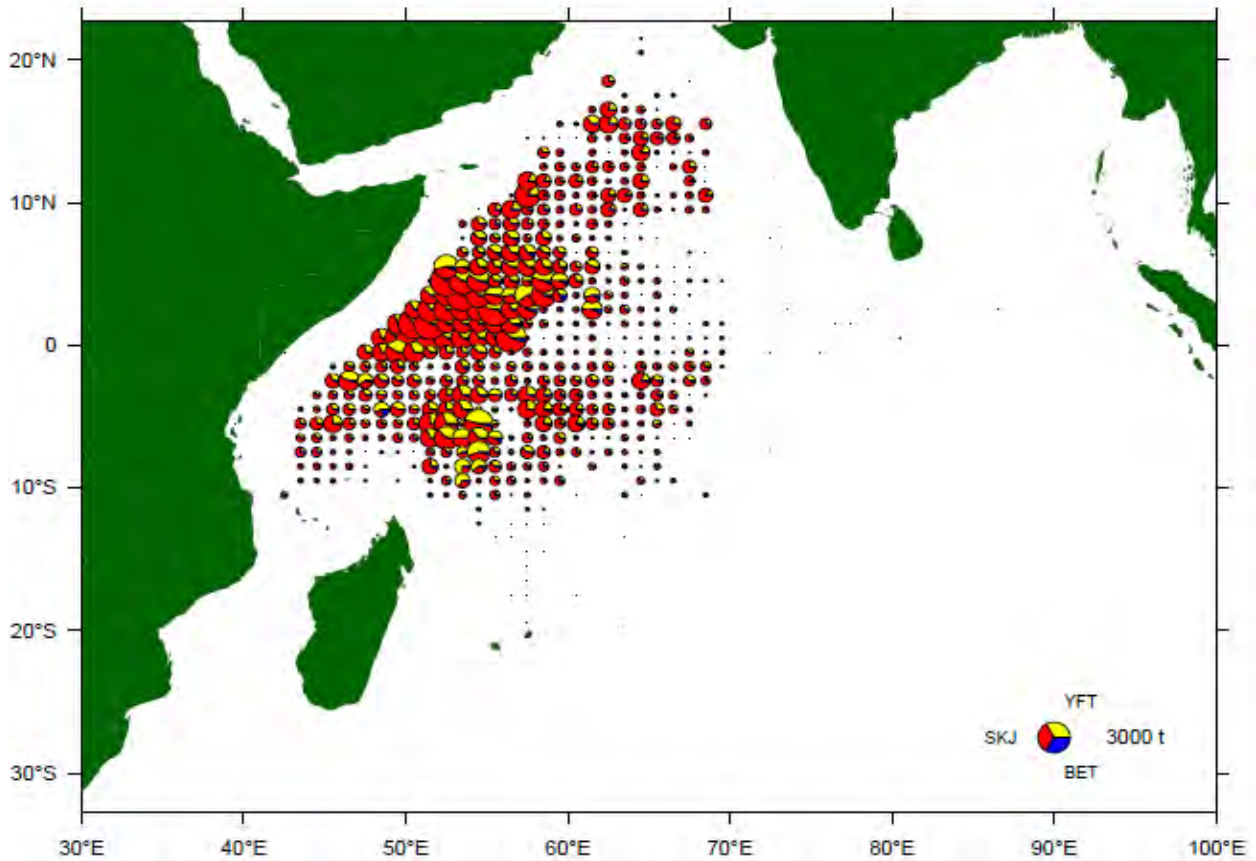


Map 1D. Purse seiners fishing ground for 1st Semester 2019

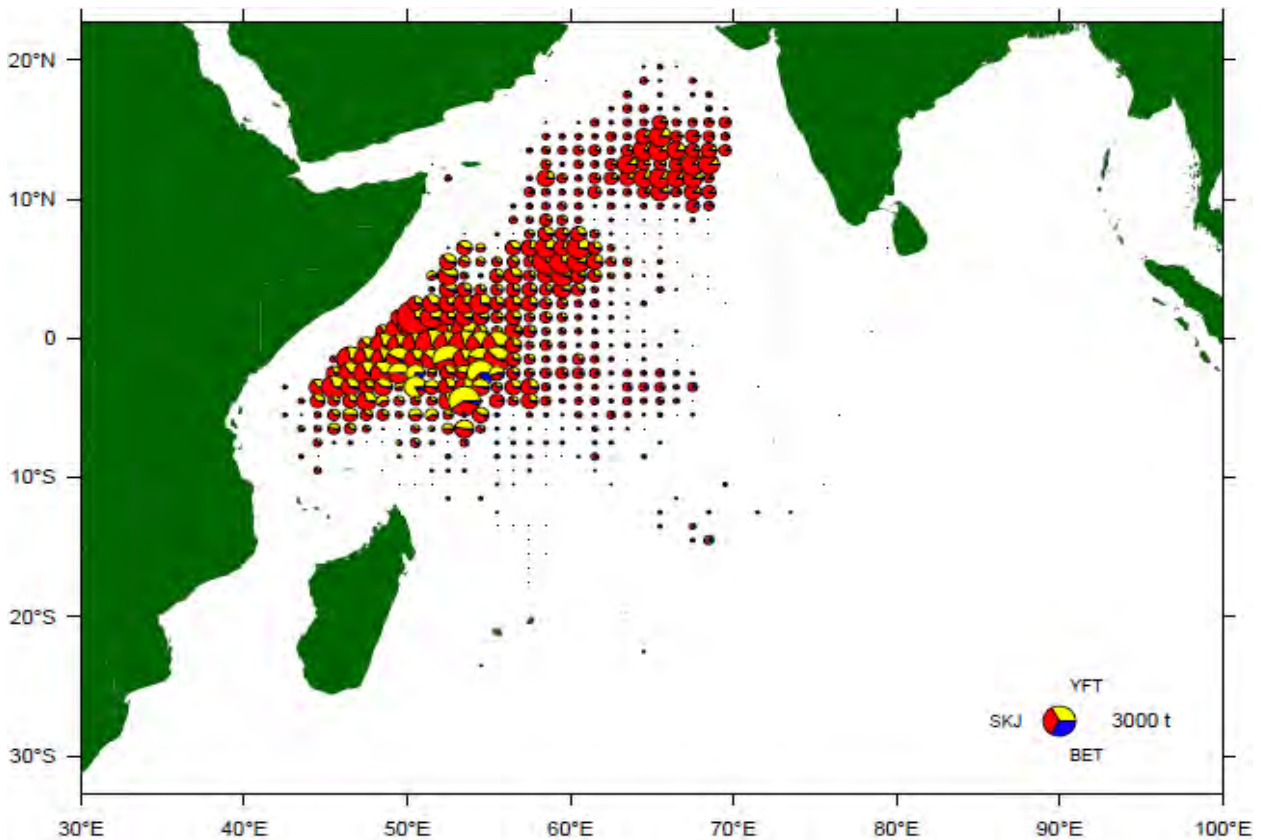


Fishing Ground Exploited by Purse Seiners

Map 1E: Purse seiners fishing ground for 2nd Semester 2018



Map 1F: Purse seiners fishing ground for 2nd Semester 2019



Industrial Longline Fishery



2. SUMMARY OF INDUSTRIAL LONGLINE FISHERY

2.1. *Logbook Returned*

- For Industrial longline fisheries only data for semester1 of year 2019 will be published in this report. This is because SFA has encountered major delays in data capture for this fishery mainly due to internal administrative issues and technical issues with the FINSS software SFA used for data management of longline fisheries.
- The statistics published for semester 1 of year 2019 relates to 73% of logbooks captured in the database at the time when those statistical tables were generated compared to 94% for the previous year (Table 2.2).
- For the Seychelles Flagged vessels 91% of logbooks were captured in the database for the first semester of year 2019 compared to 97% for the same period in 2018. Only 81% of logbooks for other fleet were captured in the database for the first semester of the year 2019 at the close of the database for data processing compared to 96% for same period in 2018.

2.2. *Vessels Licensed and Active*

- Following a decrease during 2010 in the number of industrial longliners licensed to fish inside the Seychelles EEZ, the number of vessels taking licenses has since then been on an increasing trend from 65 vessels licensed in 2010 to reach 213 vessels licensed in 2017 (table 2.1). This increase can be attributed to the decrease in Somalia piracy activities in the region; hence more licenses were being taken by the industrial longliners.
- In 2019, a decrease of 22 vessels was recorded in number of vessels licensed to fish inside the Seychelles EEZ resulting in 186 vessels licensed compared to 208 vessels licensed the previous year. There was an increase of 4% in number of Seychelles registered vessels from 55 vessels in 2018 to 57 vessels in 2019.
- On average, 38 Seychelles registered longlines vessels and 21 Taiwanese vessels were active per month during the first semester of 2019. For the same period, in 2018, an average of 46 Seychelles registered longliners and 30 Taiwanese vessels were active inside the Seychelles EEZ (table 2.1C).

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

- The total catch and fishing effort of industrial longliners has been on a decreasing trend from the year 2009 to reach a record low of 8,276 MT in catches in 2011 corresponding to a record low of 17.7 million hooks sets (figure 2A and 2B). This can be attributed to the decreasing trend in the number of vessels licensed and active during that period. In 2012 the catch increased by 182% corresponding to a 92% increase in fishing effort (table 2.2A). The total catch recorded a decreased in 2013 to reach 16,234 MT and has since then been on an upward trend. The catch rate increased from 0.40 Mt/1000 hooks in 2009 to reach peak of 0.68 Mt/1000 hooks in 2012

and has since then been fluctuating between 0.38 Mt/1000 hooks and 0.52 Mt/1000 hooks (figure 2C).

- The total catch reported by all industrial longline fleet during the first semester 2019 so far is estimated at 11,629 MT, obtained from a fishing effort of approximately 21.7 million hooks thus giving a mean catch rate of 0.54 MT/1000 hooks (table 2.2A). The total catch reported during the same period in 2018 was 10,606 MT, obtained from a fishing effort of approximately 26.4 million hooks hence giving a mean catch rate of 0.40 MT/1000 hooks.
- During the second semester of 2018, a total catch of 14,120 MT was reported, with a fishing effort of approximately 33.8 million hooks and a catch rate 0.42 MT/1000 hooks. The total catch reported by all industrial longline fleet during year 2018 was estimated at 24,727 MT. This was achieved by a fishing effort of almost 60.2 million hooks and the catch rate recorded was 0.41 MT/1000 hooks.
- Monthly analysis of catch rate shows that, the highest catch rate was recorded in the months May (0.72 MT/ 1000 hooks) during first semester 2019. The catch rate was highest also in May for 2018 at 0.55 MT/ 1000 hooks. In 2018 highest catches were reported during the month of December which represents 17% of the annual catch corresponding to 15% of the annual total effort for that year.

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

- The Seychelles fleet reported an estimated catch of 9,477 MT for first semester 2019 based on 91% logbook. This was achieved from a fishing effort of 16.5 million hooks thus giving a mean catch rate of 0.57 MT/1000 hooks (table 2.2C). During the same period the previous year, the Seychelles fleet reported a total catch of 8,260 MT based on 95% logbook returned. This was achieved from a fishing effort of 18.8 million hooks thus giving a mean catch rate of 0.44 MT/1000 hooks.
- The Taiwanese fleet has so far reported a total catch of 2,021 MT for first semester 2019 based on 81% logbook returned. This was achieved from a fishing effort of 4.7 million hooks with a mean catch rate of 0.43 MT/1000 hooks. For the first semester of year 2018, the Taiwanese fleet reported a total catch of 2,013 MT from a fishing effort of 6.3 million hooks and a mean catch rate of 0.32 MT/1000 hooks (table 2.2D) based on 95% logbook returned.
- For first semester of the year 2019, data captured at the time of processing was very low for other fleets. However, for the whole year 2018, vessels from other fleets reported an estimated catch of 1,414 MT achieved from a fishing effort of approximately 4.9 million hooks giving a mean catch rate of 0.29 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 first six months of the years 2019 and 2018, yellow tuna dominated the catch of the industrial longline fleet accounting for 40% and 35% of the total catch respectively. Bigeye tuna, swordfish and the 'others' category represented 21%, 11% and 17% of the total catch during

first semester 2019. For the same period in the year 2018, bigeye tuna, swordfish and the 'others' category represents 21%, 13% and 16% of the total catch, respectively (table 2.2B). It must be noted that the 'others' category comprised of 79% and 81% of *Ruvettus pretiosus* (oilfish) for the year 2019 and 2018, 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. Both catch and effort inside the Seychelles EEZ has been on a decreasing trend since 2009 to reach a record low of 1,343 MT in catches in 2011 corresponding to a record low of 2.4 million hooks sets (figure 2D and 2E). This can be attributed to the decreasing trend in the number of vessels licensed and active during that period. In 2012, a significant increase of over 500% in both catch and effort were recorded, returning the catch level to 9,296 MT like that of 2006. Both catch and fishing effort continue to increase to reach a peak of 15,626 Mt and 35.8 million hooks in 2016. Following an increased in the catch rate to reach 0.59 MT/1000 hooks reported inside the Seychelles EEZ during 2012, the catch rate has since then been fluctuating between 0.35 Mt/1000 hooks and 0.50 Mt/1000 hooks (table 2.3 and figure 2F).
- According to logbooks captured at SFA to date, the industrial longliners licensed to fish inside the Seychelles EEZ reported to have caught an estimated catch of 2,518 MT or inside of the Seychelles EEZ during the first semester of the year 2019. This was obtained from a fishing effort of approximately 6.1 million hooks giving a mean catch rate of 0.41 MT/ 1000 hooks (table 2.3A).
- During the first semester of the year 2018, a total catch of 3,110 MT obtained from a fishing effort of approximately 9.6 million hooks was reported to have been caught inside of the Seychelles EEZ, thus giving a mean catch rate of 0.32 MT/1000 hooks.
- Catches inside the Seychelles EEZ were dominated by yellow tuna accounting for 40% of the total catch during the first semester of 2019, whilst bigeye tuna accounted for 27%. Swordfish, marlin, and shark each accounted for 9%, 6% and 13% respectively. During same period in the year 2018, yellow tuna represented 43% of the total catch followed by bigeye tuna 24% whilst, swordfish, marlin, and shark each accounted 12%, 8% and 8 % of the total catches inside the Seychelles EEZ.
- Analysis of monthly trend shows higher catches were recorded inside the Seychelles EEZ during the month of January for first semester of 2019 and 2018 whilst higher catch rate was reported in the month of April during the same period in 2019 and in the month of May in 2018.

2.6. Statistics of Seychelles Flagged Vessels

- An increasing trend has been observed in total catch by Seychelles registered industrial longliners from the 2010 to reach a peak of a peak of 15,118 MT in 2012 and has since then been fluctuating between 10,689 MT and 15,009 MT (table 2.4 and figure 2G). An increasing trend has also been observed for catch inside Seychelles EEZ by the Seychelles fleet between the years 2010 to 2016. Between the year 2009 and 2011, the fishing effort in WIO and inside

the Seychelles EEZ has been on downward trend. This was followed by an increased to reach 39.3 million hooks in WIO and 8 million hooks in Seychelles EEZ during year 2018 (table 2.4 and figure 2H). Same observations were made for CPUE (figure 2I).

- During the first semester of the year 2019, the Seychelles fleet reported an estimated catch of 9,477 MT. This was achieved from a fishing effort of 16.5 million hooks thus giving a mean catch rate of 0.57 MT/1000 hooks (table 2.2C). During the first semester, the previous year, the Seychelles fleet reported a total catch of 8,260 MT based. This was achieved from a fishing effort of 18.8 million hooks thus giving a mean catch rate of 0.44 MT/1000 hooks.
- The Seychelles flagged industrial longliners reported to have caught 71% of their total catch or 6,699 MT of tuna on the high Seas and only 7% of their catches or 645 MT in the Seychelles EEZ during the first semester 2019. The remaining 22% or 2,125 MT were reported to have been caught in foreign EEZ. During the same period in the year, the previous year, 79% (or 6,487 MT) and 12% (or 988 MT) of the Seychelles flagged industrial longliners catches were caught on the high Seas and inside the Seychelles EEZ respectively.

2.7. Industrial Longliners statistics by Access Regime

- During the first semester of the years 2019 and 2018, 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.
- For first semester 2019, vessels operating under the National agreement accounted for 26% of the total EEZ catch whilst vessels operating under the TTA agreement represent 36% of the total EEZ catch. Vessels fishing under the Top Fortune agreement excluding all Seychelles flagged vessels represented only 2% of the total EEZ catch. For the same period in the year 2018, vessels operating under the National agreement accounted for 32% of the total EEZ catch whilst vessels operating under the TTA agreement represented 21% of the total EEZ catch.

2.8. Fishing Ground

- Map 2A and 2B show the distribution of reported catch of industrial longliners by 1^o square in the WIO for the years 2017 and 2018 respectively. Map 2C and 2D shows the distribution of reported catch of industrial longliners by 1^o square in the WIO for the 1st Semester of 2018 and 2019 respectively whilst maps 2E shows the distribution of reported catch of industrial longliners by 1^o square in the WIO for the 2nd Semester of 2018.
- Maps 2B shows similar fishing pattern in 2018 when compared to the year 2017 (map 2A) with decreased catches of 'Other' Species 30° South, increased catches in the Kenyan and Mozambique waters. and an increase in the yellowfin tuna species.
- Map 2D shows a decrease in catches 30°south and increase in yellowfin catches along the east Africa coast. (Map 2D).

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

(Database Closed on 27/01/2021)

Years: 2009 - 2019

Country	Year										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
SEYCHELLES	27	27	24	32	33	38	45	46	54	55	57
TAIWAN PROVINCE OF CHINA	33	35	53	111	113	84	85	103	108	98	84
CHINA	5			12	16	19	19	29	43	50	44
JAPAN*	36			2	4	4	2				
KOREA	3						1	4	7	4	
SPAIN	5	1									
BELIZE		1	1								
FRANCE									1	1	1
OMAN	1	1	1	2	2						
INDONESIA							1	1			
PHILIPPINES	1		1	7	6	1	1	1			
TANZANIA				1	1	1	1	1			
THAILAND						1	2	2			
Annual	111	65	80	167	175	148	157	187	213	208	186

* Note: Since 2012, Vessel under Japan flag were operating under Taiwanese Deep Sea Fisheries Agreement (TFA).

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

(Database Closed on 27/01/2021)

Year: 2018

Month	Seychelles*	Taiwan POC	China	Korea	France	Total
Jan	53	83	31	4	1	172
Feb	53	80	35	4		172
Mar	53	80	33	4		170
Apr	53	71	31	4		159
May	55	50	14	4		123
Jun	55	47	11	4		117
Jul	55	44	11			110
Aug	55	43	11			109
Sep	55	64	18			137
Oct	55	79	28			162
Nov	54	72	34			160
Dec	53	74	41			168
Annual Average	54	66	25	4	1	147
Quarter 1	53	81	33	4	1	171
Quarter 2	54	56	19	4	0	133
Quarter 3	55	50	13	0	0	119
Quarter 4	54	75	34	0	0	163
First Semester	54	69	26	4	1	152
Second Semester	55	63	24	0	0	141

*Number of Seychelles registered vessels

Year: 2019

Month	Seychelles*	Taiwan POC	China	Korea	France	Total
Jan	52	75	41		1	169
Feb	50	74	39		1	164
Mar	50	75	33		1	159
Apr	50	59	26		1	136
May	51	39	17		1	108
Jun	51	36	3		1	91
Jul	53	34	3		1	91
Aug	52	36	1		1	90
Sep	55	55			1	111
Oct	54	56	1		1	112
Nov	54	58	1		1	114
Dec	54	64	3		1	122
Annual Average	52	55	15	0	1	122
Quarter 1	51	75	38	0	1	164
Quarter 2	51	45	15	0	1	112
Quarter 3	53	42	2	0	1	97
Quarter 4	54	59	2	0	1	116
First Semester	51	60	27	0	1	138
Second Semester	54	51	2	0	1	107

*Number of Seychelles Registered Vessels

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

(Database Closed on 27/01/2021)

Years: 2009 - 2019

Country	Year										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
SEYCHELLES	27	24	23	32	33	35	42	47	51	54	47
TAIWAN PROVINCE OF CHINA	31	29	30	96	90	71	83	105	106	92	52
CHINA	5			12	13	18	17	27	41	45	5
JAPAN*	27			2	3	2					
KOREA	3							2			
SPAIN											
BELIZE		1									
OMAN	1	1	1	2	1						
INDONESIA							1	1			
PHILIPPINES	1		1	8	5	1	1				
TANZANIA				1	1	1	1	1			
THAILAND						1	2				
Annual	95	55	55	153	146	129	147	183	198	191	104

* Note: Since 2012, Vessel under Japan flag were operating under Taiwanese Deep Sea Fisheries Agreement (TFA).

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

(Database Closed on 27/01/2021)

Year: 2018

Month	Seychelles*	Taiwan POC	China	Korea	France	Total
Jan	43	66	28			137
Feb	42	30	8			80
Mar	47	30	2			79
Apr	45	24	2			71
May	49	18	1			68
Jun	49	7				56
Jul	51	2				53
Aug	38	2				40
Sep	43	15	5			63
Oct	47	46	19			112
Nov	48	54	21			123
Dec	49	60	30			139
Annual Average	46	30	13	0	0	85
Quarter 1	44	42	13	0	0	99
Quarter 2	48	16	2	0	0	65
Quarter 3	44	6	5	0	0	52
Quarter 4	48	53	23	0	0	125
First Semester	46	29	8	0	0	82
Second Semester	46	30	19	0	0	88

Year: 2019

Month	Seychelles*	Taiwan POC	China	Korea	France	Total
Jan	45	45	5			95
Feb	42	21	5			68
Mar	37	29	5			71
Apr	34	13				47
May	35	16				51
Jun	32	1				33
Jul						
Aug						
Sep						
Oct						
Nov						
Dec						
Annual Average	38	21	5	0	0	61
Quarter 1	41	32	5	0	0	78
Quarter 2	34	10	0	0	0	44
Quarter 3						
Quarter 4						
First Semester	38	21	5	0	0	61
Second Semester						

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

(Database Closed on 27/01/2021)

Years: 2009 - 2019

Country	Year										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
SEYCHELLES	94	83	97	96	100	95	95	97	94	95	56
TAIWAN PROVINCE OF CHINA	71	86	74	79	76	79	95	93	99	95	45
CHINA	72	0	0	93	86	91	98	100	99	98	9
JAPAN	81	0	0	71	91	88	100	0	0	0	0
REPUBLIC OF KOREA	67	0	0	0	0	0	0	34	0	0	0
SPAIN	14	0	0	0	0	0	0	0	0	0	0
BELIZE	0	18	100	0	0	0	0	0	0	0	0
FRANCE	0	0	0	0	0	0	0	0	0	0	0
OMAN	57	100	100	100	90	0	0	0	0	0	0
PHILIPPINES	100	0	100	84	68	100	50	0	0	0	0
TANZANIA	0	0	0	100	92	91	100	100	0	0	0
THAILAND	0	0	0	0	0	100	100	100	0	0	0
Grand Total	81	82	87	84	84	88	95	94	94	94	46

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

(Database Closed on 27/01/2021)

Country: ALL

Semester 1, Year: 2009 - 2019

Year	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2009	15,334,133	0.42	652.7	10	3,075.0	48	423	7	176	3	311.4	5	1,786.2	28	6,423.8
2010	10,673,653	0.37	244.8	6	1,946.1	50	248	6	104	3	185.0	5	1,181.8	30	3,909.4
2011	7,938,200	0.39	231.9	7	1,603.4	52	137	4	96	3	120.3	4	918.9	30	3,107.6
2012	10,080,389	0.85	805.6	9	6,264.6	73	522	6	514	6	165.9	2	283.0	3	8,555.5
2013	18,985,332	0.45	877.4	10	4,565.9	53	855	10	632	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	10	548	7	360.6	5	733.8	10	7,485.7
2015	16,567,630	0.48	1,656.1	21	3,702.0	46	992	12	827	10	352.6	4	493.3	6	8,022.6
2016	27,703,915	0.43	2,912.8	24	4,246.0	35	1165	10	1600	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	1104	11	823	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	1359	13	862	8	661.2	6	1,714.9	16	10,606.4
2019	21,689,669	0.54	4,635.3	40	2,397.7	21	1281	11	496	4	812.4	7	2,006.6	17	11,629.2

Country: ALL

Semester 2, Year: 2009 - 2018

Year	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2009	9,993,404	0.38	230.3	6	2,061.5	54	273	7	63	2	109.1	3	1,094.1	29	3,830.4
2010	11,549,028	0.41	600.4	13	2,657.6	57	236	5	236	5	186.8	4	776.4	17	4,693.9
2011	9,809,058	0.53	1,139.7	22	2,879.3	56	289	6	241	5	188.3	4	431.0	8	5,167.9
2012	23,963,719	0.62	1,588.3	11	9,622.9	65	1105	7	1335	9	652.0	4	448.7	3	14,751.9
2013	15,309,146	0.50	957.5	13	4,573.9	60	450	6	349	5	374.2	5	914.3	12	7,619.2
2014	19,592,754	0.54	1,743.6	17	5,601.3	53	711	7	643	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	1209	10	1167	9	531.7	4	828.2	7	12,373.2
2016	35,105,409	0.44	3,378.7	22	6,199.9	41	1646	11	1198	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	1203	9	730	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	1622	11	722	5	1,153.8	8	2,305.3	16	14,120.3

Country: ALL

Year: 2009 - 2018

Year	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2009	25,327,537	0.40	883.0	9	5,136.5	50	695	7	239	2	420.5	4	2,880.3	28	10,254.1
2010	22,222,680	0.39	845.2	10	4,603.8	54	484	6	341	4	371.8	4	1,958.1	23	8,603.4
2011	17,747,258	0.47	1,371.6	17	4,482.7	54	426	5	336	4	308.5	4	1,350.0	16	8,275.5
2012	34,044,108	0.68	2,394.0	10	15,887.6	68	1627	7	1849	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	8	981	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	8	1192	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	2201	11	1993	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	10	2797	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	10	1553	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	12	1584	6	1,814.9	7	4,020.2	16	24,726.7

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

(Database Closed on 27/01/2021)

Country: ALL

Year: 2018

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin (Mt)	Yellowfin (%)	Bigeye (Mt)	Bigeye (%)	Swordfish (Mt)	Swordfish (%)	Marlin (Mt)	Marlin (%)	Shark (Mt)	Shark (%)	Others (Mt)	Others (%)	
Jan	172	137	6,808,662	0.35	1,151.9	49	459.0	19	344	15	167	7	132.4	6	117.7	5	2,373
Feb	172	80	3,294,359	0.30	326.3	33	272.0	27	168	17	103	10	76.9	8	43.7	4	990
Mar	170	79	4,143,904	0.33	523.9	38	263.5	19	151	11	144	11	130.3	10	154.8	11	1,367
Apr	159	71	4,395,667	0.43	723.9	39	445.4	24	176	9	147	8	99.1	5	288.5	15	1,880
May	123	68	4,476,393	0.55	831.1	34	516.9	21	294	12	166	7	127.5	5	520.4	21	2,456
Jun	117	56	3,303,485	0.47	207.8	13	286.8	19	226	15	136	9	95.1	6	589.9	38	1,541
Jul	110	53	3,725,010	0.43	147.6	9	274.9	17	287	18	57	4	108.2	7	711.5	45	1,586
Aug	109	40	2,865,651	0.40	158.3	14	236.4	21	201	18	30	3	83.2	7	439.1	38	1,149
Sep	137	63	3,622,399	0.38	297.9	22	331.6	24	186	13	65	5	182.6	13	315.0	23	1,378
Oct	162	112	6,709,148	0.36	817.9	33	699.6	29	280	11	150	6	213.5	9	283.5	12	2,444
Nov	160	123	8,019,793	0.42	1,327.1	39	1,068.8	31	325	10	189	6	242.9	7	243.4	7	3,396
Dec	168	139	8,901,423	0.47	1,784.1	43	1,173.7	28	342	8	230	6	323.4	8	312.9	8	4,167
Annual	147	85	60,265,893	0.41	8,297.8	34	6,028.6	24	2,981.1	12	1,584.0	6	1,814.9	7	4,020.2	16	24,726.7
Quarter 1	171	99	14,246,924	0.33	2,002.0	42	994.4	21	663.0	14	414.4	9	339.6	7	316.2	7	4,729.6
Quarter 2	133	65	12,175,544	0.48	1,762.8	30	1,249.1	21	696.5	12	448.0	8	321.6	5	1,398.7	24	5,876.7
Quarter 3	119	52	10,213,060	0.40	603.8	15	842.9	20	674.6	16	152.4	4	374.0	9	1,465.6	36	4,113.3
Quarter 4	163	125	23,630,365	0.42	3,929.2	39	2,942.2	29	947.0	9	569.1	6	779.8	8	839.7	8	10,007.0
First Semester	152	82	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
Second Semester	141	88	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

Country: ALL

Year: 2019

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin (Mt)	Yellowfin (%)	Bigeye (Mt)	Bigeye (%)	Swordfish (Mt)	Swordfish (%)	Marlin (Mt)	Marlin (%)	Shark (Mt)	Shark (%)	Others (Mt)	Others (%)	
Jan	169	95	6,050,654	0.45	1,182.0	43	633.8	23	305	11	162	6	263.1	10	175.7	6	2,722
Feb	164	68	3,059,124	0.44	486.7	36	298.5	22	205	15	102	8	158.9	12	88.4	7	1,340
Mar	159	71	3,468,267	0.47	616.4	38	428.0	26	106	7	64	4	119.0	7	284.4	18	1,619
Apr	136	47	3,564,940	0.67	1,083.1	45	372.7	16	181	8	58	2	153.1	6	537.9	23	2,386
May	108	51	3,340,776	0.72	1,066.0	44	375.4	16	306	13	58	2	80.1	3	515.8	21	2,402
Jun	91	33	2,205,908	0.53	201.1	17	289.3	25	177	15	51	4	38.2	3	404.5	35	1,161
Jul	91																
Aug	90																
Sep	111																
Oct	112																
Nov	114																
Dec	122																
Annual	122	61	21,689,669	0.54	4,635.3	40	2,397.7	21	1,280.9	11	496.3	4	812.4	7	2,006.6	17	11,629.2
Quarter 1	164	78	12578045	0	2285.05	40.2	1360	23.9	617	11	329	6	541	9.5	548	9.7	5,680.5
Quarter 2	112	44	9111624	1	2350.21	39.5	1037	17.4	664	11	167	3	271	4.6	1458	24.5	5,948.7
Quarter 3																	
Quarter 4																	
First Semester	138	61	21,689,669	0.54	4,635.3	40	2,397.7	21	1,280.9	11	496.3	4	812.4	7	2,006.6	17	11,629.2
Second Semester																	

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

(Database Closed on 27/01/2021)

Country: SEYCHELLES

Year: 2018

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate MT/1000 Hook	Catches														Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others				
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)			
Jan	53	43	2,869,090	0.37	474.9	45	195.2	18	191	18	87	8	61.9	6	48.9	5	1,058.9		
Feb	53	42	2,428,033	0.32	270.4	35	187.9	24	149	19	86	11	49.1	6	30.7	4	773.0		
Mar	53	47	3,187,605	0.37	471.9	40	216.0	18	128	11	112	10	98.5	8	143.5	12	1,169.7		
Apr	53	45	3,296,821	0.48	639.4	41	353.7	23	132	8	102	6	71.0	5	272.6	17	1,570.5		
May	55	49	3,785,574	0.58	765.6	35	442.1	20	229	10	134	6	109.6	5	503.1	23	2,183.4		
Jun	55	49	3,216,303	0.47	205.0	14	284.4	19	206	14	134	9	89.2	6	586.8	39	1,504.8		
Jul	55	51	3,634,644	0.42	145.2	9	272.6	18	259	17	56	4	96.6	6	705.7	46	1,535.0		
Aug	55	38	2,782,319	0.41	155.8	14	233.5	21	197	17	30	3	77.0	7	438.0	39	1,131.0		
Sep	55	43	3,000,444	0.40	280.4	23	286.7	24	162	13	53	4	136.5	11	290.0	24	1,207.8		
Oct	55	47	3,586,290	0.43	623.9	41	365.4	24	172	11	84	6	123.0	8	167.3	11	1,535.8		
Nov	54	48	3,702,433	0.51	888.5	47	418.7	22	203	11	90	5	129.8	7	159.4	8	1,888.6		
Dec	53	49	3,881,264	0.52	924.3	46	419.2	21	197	10	118	6	155.0	8	185.5	9	1,999.3		
Annual	54	46	39,370,820	0.45	5,845.2	33	3,675.4	21	2,223.1	13	1,085.5	6	1,197.2	7	3,531.4	20	17,557.8		
Quarter 1	53	44	8,484,728	0.35	1,217.2	41	599.1	20	467.9	16	284.8	9	209.5	7	223.0	7	3,001.6		
Quarter 2	54	48	10,298,698	0.51	1,610.0	31	1,080.2	21	566.3	11	369.9	7	269.9	5	1,362.5	26	5,258.8		
Quarter 3	55	44	9,417,407	0.41	581.3	15	792.8	20	617.6	16	138.3	4	310.1	8	1,433.6	37	3,873.7		
Quarter 4	54	48	11,169,987	0.49	2,436.7	45	1,203.3	22	571.3	11	292.4	5	407.8	8	512.3	9	5,423.7		
First Semester	54	46	18,783,426	0.44	2,827.2	34	1,679.3	20	1,034.2	13	654.7	8	479.3	6	1,585.6	19	8,260.4		
Second Semester	55	46	20,587,394	0.45	3,018.0	32	1,996.1	21	1,188.9	13	430.8	5	717.9	8	1,945.9	21	9,297.4		

Country: SEYCHELLES

Year: 2019

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate MT/1000 Hook	Catches														Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others				
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)			
Jan	52	45	3,298,421	0.49	729.7	45	338.2	21	212	13	94	6	145.2	9	91.9	6	1,610.9		
Feb	50	42	2,396,782	0.45	400.5	37	236.2	22	179	16	80	7	116.0	11	75.9	7	1,087.7		
Mar	50	37	2,671,329	0.50	551.0	41	328.0	24	82	6	45	3	61.7	5	274.3	20	1,341.9		
Apr	50	34	2,993,020	0.69	958.1	46	273.5	13	161	8	43	2	105.1	5	526.3	25	2,066.4		
May	51	35	2,979,666	0.74	994.1	45	336.1	15	269	12	48	2	55.7	3	508.7	23	2,211.2		
Jun	51	32	2,199,708	0.53	201.1	17	289.3	25	176	15	51	4	37.7	3	403.7	35	1,159.4		
Jul	53																		
Aug	52																		
Sep	55																		
Oct	54																		
Nov	54																		
Dec	54																		
Annual	52	38	16,538,926	0.57	3,834.6	40	1,801.3	19	1,079.1	11	360.2	4	521.5	6	1,880.8	20	9,477.5		
Quarter 1	51	41	8,366,532	0.48	1,681.3	42	902.5	22	473.4	12	218.3	5	322.9	8	442.1	11	4,040.5		
Quarter 2	51	34	8,172,394	0.67	2,153.3	40	898.8	17	605.6	11	141.9	3	198.6	4	1,438.7	26	5,437.0		
Quarter 3																			
Quarter 4																			
First Semester	51	38	16,538,926	0.57	3,834.6	40	1,801.3	19	1,079.1	11	360.2	4	521.5	6	1,880.8	20	9,477.5		
Second Semester																			

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

(Database Closed on 27/01/2021)

Country: TAIWAN PROVINCE OF CHINA
Year: 2018

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	83	66	2,713,819	0.37	553.2	55	165.0	16	110	11	62	6	63.9	6	54.1	5	1,008.2
Feb	80	30	784,111	0.26	48.1	24	80.3	40	18	9	16	8	27.6	14	12.3	6	202.1
Mar	80	30	931,299	0.21	48.7	25	46.8	24	22	12	31	16	31.4	16	11.1	6	191.5
Apr	71	24	1,073,845	0.28	81.3	27	91.1	30	44	14	44	14	27.7	9	15.6	5	303.5
May	50	18	675,819	0.40	64.9	24	74.8	28	66	24	31	12	17.9	7	17.2	6	271.6
Jun	47	7	87,182	0.42	2.8	8	2.4	7	20	55	2	5	5.9	16	3.1	8	36.2
Jul	44	2	90,366	0.57	2.4	5	2.3	4	28.1	55	1.3	2	11.6	22	5.8	11	51.5
Aug	43	2	83,332	0.21	2.5	14	2.9	16	4	25	1	3	6.2	35	1.1	6	17.7
Sep	64	15	519,572	0.29	15.8	10	38.8	25	20	13	11	7	44.2	29	22.6	15	152.7
Oct	79	46	2,124,898	0.31	128.1	20	234.3	36	66	10	48	7	88.6	13	91.9	14	656.3
Nov	72	54	2,872,998	0.35	301.7	30	383.4	38	80	8	65	6	108.6	11	65.3	7	1,003.2
Dec	74	60	4,019,910	0.46	737.5	40	657.1	35	103	6	89	5	166.4	9	106.9	6	1,860.0
Annual	66	30	15,977,151	0.36	1,987.1	35	1,778.9	31	580.4	10	401.1	7	599.9	10	407.0	7	5,754.5
Quarter 1	81	42	4,429,229	0.32	650.1	46	292.0	21	149.8	11	109.5	8	122.9	9	77.5	6	1,401.8
Quarter 2	56	16	1,836,846	0.33	149.0	24	168.2	28	129.6	21	77.2	13	51.4	8	35.9	6	611.3
Quarter 3	50	6	693,270	0.32	20.7	9	43.9	20	52.7	24	13.0	6	62.0	28	29.5	13	221.9
Quarter 4	75	53	9,017,806	0.39	1,167.3	33	1,274.8	36	248.4	7	201.3	6	363.6	10	264.1	8	3,519.5
First Semester	69	29	6,266,075	0.32	799.0	40	460.2	23	279.4	14	186.8	9	174.3	9	113.4	6	2,013.1
Second Semester	63	30	9,711,076	0.39	1,188.0	32	1,318.8	35	301.0	8	214.3	6	425.6	11	293.6	8	3,741.4

Country: TAIWAN PROVINCE OF CHINA
Year: 2019

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	75	45	2,533,233	0.41	413.4	40	280.0	27	86	8	62	6	117.9	11	74.3	7	1,034.1
Feb	74	21	521,342	0.40	68.8	33	49.4	24	20	10	16	8	42.9	21	9.4	5	206.6
Mar	75	29	754,938	0.36	62.1	23	98.0	36	23	9	19	7	57.2	21	9.7	4	269.0
Apr	59	13	571,920	0.56	125.0	39	99.2	31	20	6	15	5	48.0	15	11.6	4	319.5
May	39	16	361,110	0.53	71.9	38	39.3	21	37	20	10	5	24.4	13	7.1	4	190.4
Jun	36	1	6,200	0.29		0		0	0	25		0	0.5	28	0.9	47	1.8
Jul	34																
Aug	36																
Sep	55																
Oct	56																
Nov	58																
Dec	64																
Annual	55	21	4,748,743	0.43	741.2	37	566.0	28	187.6	9	122.8	6	290.9	14	113.0	6	2,021.4
Quarter 1	75	32	3,809,513	0.40	544.3	36	427.5	28	129.2	9	97.2	6	218.0	14	93.4	6	1,509.7
Quarter 2	45	10	939,230	0.54	196.9	38	138.5	27	58.4	11	25.6	5	72.9	14	19.5	4	511.7
Quarter 3																	
Quarter 4																	
First Semester	60	21	4,748,743	0.43	741.2	37	566.0	28	187.6	9	122.8	6	290.9	14	113.0	6	2,021.4
Second Semester																	

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

(Database Closed on 27/01/2021)

Country: OTHERS

Year: 2018

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	36	28	1,225,753	0.25	123.7	40	98.9	32	44	14	18	6	6.7	2	14.6	5	305.6
Feb	39	8	82,215	0.18	7.8	53	3.8	26	1	7	1	7	0.2	1	0.8	5	14.7
Mar	37	2	25,000	0.24	3.2	54	0.7	11	1	11	1	14	0.3	6	0.2	4	5.9
Apr	35	2	25,000	0.24	3.2	54	0.7	11	1	11	1	14	0.3	6	0.2	4	5.9
May	18	1	15,000	0.05	0.6	81	0.0	3	0	3	0	8	0	0	0.0	5	0.7
Jun	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	18	5	102,383	0.17	1.8	10	6.2	35	4	24	1	6	1.9	11	2.4	14	17.7
Oct	28	19	997,960	0.25	65.9	26	100.0	40	43	17	18	7	1.9	1	24.2	10	252.3
Nov	34	21	1,444,362	0.35	136.9	27	266.7	53	42	8	35	7	4.5	1	18.7	4	504.2
Dec	41	30	1,000,249	0.31	122.4	40	97.4	32	42	14	23	7	2.0	1	20.5	7	307.3
Annual	27	10	4,917,922	0.29	465.6	33	574.3	41	177.5	13	97.4	7	17.9	1	81.7	6	1,414.4
Quarter 1	37	13	1,332,968	0.24	134.8	41	103.3	32	45.2	14	20.1	6	7.2	2	15.6	5	326.3
Quarter 2	23	1	40,000	0.17	3.8	57	0.7	10	0.7	10	0.9	13	0.3	5	0.3	4	6.7
Quarter 3	13	2	102,383	0.17	1.8	10	6.2	35	4.3	24	1.1	6	1.9	11	2.4	14	17.7
Quarter 4	34	23	3,442,571	0.31	325.2	31	464.1	44	127.4	12	75.4	7	8.4	1	63.3	6	1,063.8
First Semester	30	7	1,372,968	0.24	138.6	42	104.0	31	45.8	14	21.0	6	7.6	2	15.9	5	332.9
Second Semester	24	13	3,544,954	0.31	327.0	30	470.3	43	131.7	12	76.5	7	10.3	1	65.8	6	1,081.5

Country: OTHERS

Year: 2019

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	42	5	219,000	0.35	38.9	51	15.6	20	7	9	6	8	0	9.4	12	76.7		
Feb	40	5	141,000	0.33	17.3	38	12.9	28	6	13	7	15	0	3.1	7	45.9		
Mar	34	5	42,000	0.18	3.3	43	1.9	25	1	17	1	10	0	0.4	6	7.7		
Apr	27	0																
May	18	0																
Jun	4	0																
Jul	4																	
Aug	2																	
Sep	1																	
Oct	2																	
Nov	2																	
Dec	4																	
Annual	15	3	402,000	0.32	59.5	46	30.4	23	14.3	11	13.4	10	0.0	0	12.9	10	130.4	
Quarter 1	39	5	402,000	0.32	59.5	46	30.4	23	14.3	11	13.4	10	0.0	0	12.9	10	130.4	
Quarter 2	16	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																		
Quarter 4																		
First Semester	28	3	402,000	0.32	59.5	46	30.4	23	14.3	11	13.4	10	0.0	0	12.9	10	130.4	
Second Semester																		

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

(Database Closed on 27/01/2021)

Country: ALL

Semester 1, Year: 2009 - 2019

Area: SYC EEZ

Year	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2009	5,982,315	0.36	443.1	21	1,190.4	55	145	7	77	4	177.8	8	117.5	5	2,150.6
2010	1,117,182	0.32	39.4	11	242.8	68	23	6	13	3	18.9	5	22.8	6	359.1
2011	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0
2012	2,236,385	1	256	14	1,309	71	98	5	105	6	68	4	20	1	1,856
2013	7,397,036	0.42	432.6	14	1,839.4	59	290	9	306	10	145.9	5	83.4	3	3,097.8
2014	7,150,969	0.38	737.1	27	1,295.8	48	218	8	189	7	193.4	7	69.8	3	2,703.1
2015	7,358,909	0.39	775.3	27	1,249.9	43	311	11	278	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	10	769	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	13	343	10	262.2	7	137.7	4	3,606.9
2018	9,603,367	0.32	1,343.7	43	754.8	24	389	12	240	8	234.7	8	148.2	5	3,109.7
2019	6,150,476	0.41	1,010.4	40	672.0	27	220	9	145	6	325.1	13	144.9	6	2,518.2

Country: ALL

Semester 2, Year: 2009 - 2018

Area: SYC EEZ

Year	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2009	759,725	0.48	32.5	9	281.7	77	18	5	7	2	8.7	2	18.5	5	366.3
2010	4,338,207	0.47	332.6	16	1,276.7	63	72	4	127	6	96.7	5	118.1	6	2,022.6
2011	2,415,460	0.56	400.3	30	701.0	52	64	5	78	6	68.1	5	30.5	2	1,342.6
2012	13,588,854	0.55	1,039.9	14	4,692.7	63	509	7	681	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	198	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	6	436	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	6	659	8	317.7	4	180.0	2	7,795.3
2016	22,149,887	0.44	2,856.3	29	4,546.7	46	771	8	777	8	600.8	6	264.8	3	9,816.7
2017	21,786,365	0.36	2,129.9	27	3,635.9	46	622	8	434	6	606.6	8	412.2	5	7,839.9
2018	17,981,382	0.39	2,517.6	36	2,288.9	33	651	9	391	6	665.8	10	467.6	7	6,981.4

Country: ALL

Year: 2009 - 2018

Area: SYC EEZ

Year	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches											Total Catch (Mt)	
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2009	6,742,040	0.37	475.6	19	1,472.1	58	163	6	84	3	186.5	7	136.0	5	2,516.9
2010	5,455,388	0.44	372.0	16	1,519.5	64	95	4	139	6	115.6	5	140.9	6	2,381.7
2011	2,415,460	0.56	400.3	30	701.0	52	64	5	78	6	68.1	5	30.5	2	1,342.6
2012	15,825,239	0.59	1,295.8	14	6,001.7	65	607	7	786	8	432.8	5	172.2	2	9,295.6
2013	14,604,559	0.48	972.7	14	4,641.9	66	465	7	504	7	330.4	5	163.2	2	7,076.5
2014	19,959,305	0.50	2,269.6	23	5,438.6	55	648	7	624	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	8	937	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	9	1546	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	9	777	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	10	631	6	900.5	9	615.8	6	10,091.1

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

(Database Closed on 27/01/2021)

Country: ALL			Year: 2018			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	172	137	4,844,078	0.34	815.7	50	351.7	22	198	12	95	6	88.8	5	78.0	5	1,628.0
Feb	172	80	1,301,051	0.27	93.7	27	141.0	40	26	7	26	7	43.8	13	18.6	5	348.7
Mar	170	79	1,299,802	0.26	109.5	33	81.6	25	33	10	43	13	48.6	15	15.9	5	331.5
Apr	159	71	1,330,674	0.34	195.4	44	106.8	24	54	12	45	10	31.4	7	16.6	4	448.5
May	123	68	747,385	0.43	124.2	39	71.4	22	61	19	29	9	16.6	5	16.5	5	318.8
Jun	117	56	80,377	0.43	5.2	15	2.3	7	16	48	2	7	5.5	16	2.5	7	34.2
Jul	110	53	140,721	0.51	8.7	12	5.7	8	33	46	2	2	14.1	20	8.5	12	71.2
Aug	109	40	108,932	0.25	7.1	26	4.0	15	5	18	1	2	8.3	30	2.4	9	27.5
Sep	137	63	1,282,485	0.36	135.9	30	98.6	21	57	13	24	5	108.4	24	34.1	7	458.7
Oct	162	112	4,500,142	0.33	437.5	29	476.5	32	180	12	96	6	157.9	10	157.3	10	1,504.5
Nov	160	123	5,828,055	0.38	807.5	36	812.0	36	192	9	135	6	171.3	8	117.7	5	2,235.5
Dec	168	139	6,121,046	0.44	1,121.0	42	892.1	33	184	7	134	5	205.8	8	147.6	5	2,684.0
Annual	147	85	27,584,749	0.37	3,861.3	38	3,043.7	30	1,039.2	10	630.5	6	900.5	9	615.8	6	10,091.1
Quarter 1	171	99	7,444,931	0.31	1,018.9	44	574.3	25	257.5	11	163.6	7	181.2	8	112.6	5	2,308.2
Quarter 2	133	65	2,158,436	0.37	324.8	41	180.5	23	131.1	16	76.1	9	53.5	7	35.6	4	801.5
Quarter 3	119	52	1,532,139	0.36	151.7	27	108.3	19	95.0	17	26.4	5	130.9	23	45.0	8	557.4
Quarter 4	163	125	16,449,243	0.39	2,365.9	37	2,180.5	34	555.6	9	364.4	6	534.9	8	422.6	7	6,424.0
First Semester	152	82	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
Second Semester	141	88	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

Country: ALL			Year: 2019			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	169	95	3,508,214	0.38	520.9	39	370.5	28	110	8	77	6	146.7	11	97.9	7	1,322.8
Feb	164	68	813,048	0.37	103.2	34	77.4	26	31	10	25	8	51.1	17	14.3	5	302.5
Mar	159	71	878,844	0.39	114.1	34	112.0	33	27	8	20	6	54.5	16	11.7	3	339.1
Apr	136	47	569,340	0.62	178.7	50	80.7	23	20	6	15	4	50.5	14	9.5	3	353.9
May	108	51	326,470	0.56	90.7	50	29.2	16	27	15	8	4	22.0	12	5.9	3	182.6
Jun	91	33	54,560	0.32	2.7	16	2.1	12	6	35	1	3	0.3	2	5.5	32	17.4
Jul	91																
Aug	90																
Sep	111																
Oct	112																
Nov	114																
Dec	122																
Annual	122	61	6,150,476	0.41	1,010.4	40	672.0	27	220.4	9	145.4	6	325.1	13	144.9	6	2,518.2
Quarter 1	164	78	5,200,106	0.38	738.2	38	559.9	29	168.0	9	122.0	6	252.3	13	124.0	6	1,964.4
Quarter 2	112	44	950,370	0.58	272.2	49	112.1	20	52.3	9	23.5	4	72.9	13	20.9	4	553.8
Quarter 3																	
Quarter 4																	
First Semester	138	61	6,150,476	0.41	1,010.4	40	672.0	27	220.4	9	145.4	6	325.1	13	144.9	6	2,518.2
Second Semester																	

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

(Database Closed on 27/01/2021)

Country: SEYCHELLES

Year: 2018

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate VT/1000 Hook	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	53	43	1,092,697	0.35	184.0	47	94.3	24	51	13	21	6	24.4	6	12.1	3	387.4
Feb	53	42	575,784	0.29	44.5	27	70.4	43	11	7	11	7	19.7	12	8.0	5	164.5
Mar	53	47	478,047	0.34	63.6	39	44.5	27	13	8	16	10	19.9	12	5.5	3	161.8
Apr	53	45	384,773	0.49	123.8	65	34.2	18	15	8	8	4	6.8	4	1.8	1	189.8
May	55	49	130,204	0.61	66.3	83	4.8	6	6	7	2	3	0.6	1	0.1	0	80.0
Jun	55	49	8,461	1	3	58	0	8	1	13	0	9	0	8	0	4	4.9
Jul	55	0	54,215	0	6	30	3	16	5	22	1	4	3	15	3	13	21
Aug	55	38	32,421	0	5	41	1	12	1	9	0	1	3	25	1	12	11.3
Sep	55	43	672,130	0.44	118.3	40	54.3	18	34	11	13	4	62.5	21	13.8	5	295.3
Oct	55	47	1,537,583	0.42	255.0	40	159.3	25	78	12	33	5	71.0	11	47.7	7	644.1
Nov	54	48	1,622,895	0.47	376.4	49	179.6	23	73	9	39	5	60.5	8	36.8	5	764.4
Dec	53	49	1,434,122	0.46	319.4	49	185.7	28	49	7	31	5	44.3	7	27.5	4	657.5
Annual	54	42	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
Quarter 1	53	44	2,146,528	0.33	292.1	41	209.1	29	75.0	11	47.7	7	64.0	9	25.6	4	713.6
Quarter 2	54	48	523,438	0.52	193.0	70	39.4	14	21.2	8	11.3	4	7.8	3	2.1	1	274.7
Quarter 3	55	27	758,766	0.43	129.3	39	59.0	18	39.3	12	13.8	4	68.5	21	17.9	5	327.8
Quarter 4	54	48	4,594,600	0.45	950.8	46	524.6	25	199.7	10	103.2	5	175.8	9	112.0	5	2,066.1
First Semester	54	46	2,669,967	0.37	485.1	49	248.5	25	96.2	10	59.0	6	71.8	7	27.7	3	988.3
Second Semester	55	38	5,353,366	0.45	1,080.1	45	583.6	24	238.9	10	117.0	5	244.3	10	129.9	5	2,393.9

Country: SEYCHELLES

Year: 2018

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate VT/1000 Hook	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	52	45	933,331	0.34	121.8	38	99.3	31	27	8	16	5	35.5	11	18.6	6	317.3
Feb	50	42	208,226	0.33	22.7	33	21.8	32	7	10	4	6	10.5	15	2.4	3	68.7
Mar	50	37	234,400	0.48	59.8	53	30.6	27	9	8	6	5	5.4	5	3.2	3	113.6
Apr	50	34	145,600	0.72	65.2	62	23.9	23	6	5	3	3	4.9	5	2.7	3	105.6
May	51	35	40,240	0.79	24.4	77	3.8	12	2	7	0	1	0.3	1	0.6	2	31.8
Jun	51	32	51,460	0.33	2.7	16	2.1	13	6	36	1	4	0.1	0	5.2	31	16.7
Jul	53																
Aug	52																
Sep	55																
Oct	54																
Nov	54																
Dec	54																
Annual	52	38	1,613,257	0.41	296.7	45	181.5	28	56.5	9	30.1	5	56.5	9	32.5	5	653.7
Quarter 1	51	41	1,375,957	0.36	204.3	41	151.7	30	42.4	8	25.7	5	51.3	10	24.1	5	499.7
Quarter 2	51	34	237,300	0.65	92.4	60	29.7	19	14.1	9	4.3	3	5.2	3	8.4	5	154.1
Quarter 3																	
Quarter 4																	
First Semester	51	38	1,613,257	0.41	296.7	45	181.5	28	56.5	9	30.1	5	56.5	9	32.5	5	653.7
Second Semester																	

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

(Database Closed on 27/01/2021)

Country: TAIWAN PROVINCE OF CHINA
Year: 2018
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	83	66	2,537,348	0.37	509.6	54	159.0	17	104	11	56	6	57.8	6	51.3	5	937.6
Feb	80	30	654,211	0.26	42.9	25	67.1	39	14	8	14	8	23.9	14	9.9	6	171.6
Mar	80	30	796,755	0.21	42.7	26	36.5	22	20	12	26	16	28.3	17	10.2	6	163.8
Apr	71	24	920,901	0.27	68.3	27	71.9	28	38	15	35	14	24.2	10	14.6	6	252.8
May	50	18	602,181	0.40	57.3	24	66.6	28	55	23	27	11	15.9	7	16.4	7	238.1
Jun	47	7	71,916	0.41	2.4	8	1.9	7	16	54	2	6	5.1	18	2.3	8	29.3
Jul	44	2	86,506	0.58	2.4	5	2.3	5	28	56	1	2	10.9	22	5.8	12	49.9
Aug	43	2	76,512	0	2	15	3	17	4	25	0	2	6	34	1	6	16.1
Sep	64	15	507,972	0.29	15.8	11	38.1	26	20	13	10	7	44.1	30	17.8	12	145.7
Oct	79	46	2,023,128	0.31	120.1	19	220.7	36	61	10	46	7	84.9	14	86.2	14	618.8
Nov	72	54	2,792,938	0.35	298.1	31	370.7	38	78	8	62	6	106.3	11	62.3	6	977.1
Dec	74	60	3,829,393	0.46	694.6	40	623.8	35	96	5	83	5	159.4	9	101.3	6	1758.5
Annual	66	30	14,899,761	0.36	1,856.6	35	1,661.4	31	533.0	10	362.8	7	566.5	11	379.1	7	5,359.4
Quarter 1	81	42	3,988,314	0.32	595.2	47	262.6	21	137.7	11	96.1	8	110.0	9	71.5	6	1,273.0
Quarter 2	56	16	1,594,998	0.33	128.0	25	140.4	27	109.2	21	63.9	12	45.3	9	33.2	6	520.1
Quarter 3	50	6	670,990	0.32	20.6	10	43.1	20	51.4	24	11.5	5	60.5	29	24.6	12	211.8
Quarter 4	75	53	8,645,459	0.39	1,112.8	33	1,215.2	36	234.7	7	191.2	6	350.7	10	249.8	7	3,354.4
First Semester	69	29	5,583,312	0.32	723.2	40	403.0	22	246.9	14	160.0	9	155.3	9	104.7	6	1,793.2
Second Semester	63	30	9,316,449	0.38	1,133.4	32	1,258.3	35	286.1	8	202.7	6	411.2	12	274.4	8	3,566.2

Country: TAIWAN PROVINCE OF CHINA
Year: 2019
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)	(%)			
Jan	75	45	2,358,883	0.39	360.6	39	255.6	27	76	8	56	6	111.2	12	70.3	8	930.0
Feb	74	21	463,822	0.40	63.2	34	42.7	23	18	10	14	7	40.6	22	8.9	5	187.8
Mar	75	29	602,444	0.36	51.0	23	79.5	36	17	8	13	6	49.2	23	8.1	4	217.8
Apr	59	13	423,740	0.59	113.4	46	56.9	23	14	6	12	5	45.6	18	6.8	3	248.3
May	39	16	286,230	0.53	66.4	44	25.5	17	24	16	7	5	21.8	14	5.3	4	150.8
Jun	36	1	3,100	0.20	0.0	0	0.0	0	0	5	0	0	0.2	39	0.4	56	0.6
Jul	34																
Aug	36																
Sep	55																
Oct	56																
Nov	58																
Dec	64																
Annual	55	21	4,138,219	0.42	654.6	38	460.2	27	149.7	9	102.4	6	268.6	15	99.8	6	1,735.4
Quarter 1	75	32	3,425,149	0.39	474.8	36	377.8	28	111.4	8	83.3	6	200.9	15	87.3	7	1,335.6
Quarter 2	45	10	713,070	0.56	179.8	45	82.4	21	38.3	10	19.1	5	67.7	17	12.5	3	399.7
Quarter 3																	
Quarter 4																	
First Semester	60	21	4,138,219	0.42	654.6	38	460.2	27	149.7	9	102.4	6	268.6	15	99.8	6	1,735.4
Second Semester																	

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

(Database Closed on 27/01/2021)

Country: OTHERS

Year: 2018

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	36	28	1,214,033	0.25	122.1	40	98.4	32	43	14	18	6	6.7	2	14.6	5	303.0
Feb	39	8	71,055	0.18	6.2	49	3.5	28	1	7	1	8	0.2	2	0.8	6	12.7
Mar	37	2	25,000	0.24	3.2	54	0.7	11	1	11	1	14	0.3	6	0.2	4	5.9
Apr	35	2	25,000	0.24	3.2	54	0.7	11	1	11	1	14	0.3	6	0.2	4	5.9
May	18	1	15,000	0	1	81	0	3	0	3	0	8	0	0	0	5	0.7
Jun	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	18	5	102,383	0.17	1.8	10	6.2	35	4	24	1	6	1.9	11	2.4	14	17.7
Oct	28	19	939,430	0.26	62.4	26	96.5	40	41	17	17	7	1.9	1	23.4	10	241.6
Nov	34	21	1,412,222	0.35	133.0	27	261.6	53	42	8	35	7	4.5	1	18.5	4	493.9
Dec	41	30	857,532	0.31	106.9	40	82.6	31	39	14	19	7	2.0	1	18.9	7	268.0
Annual	27	10	4,661,655	0.29	439.5	33	550.2	41	171.1	13	91.8	7	17.9	1	79.1	6	1,349.5
Quarter 1	37	13	1,310,088	0.25	131.6	41	102.6	32	44.8	14	19.8	6	7.2	2	15.5	5	321.6
Quarter 2	23	1	40,000	0.17	3.8	57	0.7	10	0.7	10	0.9	13	0.3	5	0.3	4	6.7
Quarter 3	13	2	102,383	0.17	1.8	10	6.2	35	4.3	24	1.1	6	1.9	11	2.4	14	17.7
Quarter 4	34	23	3,209,184	0.31	302.3	30	440.7	44	121.3	12	70.0	7	8.4	1	60.8	6	1,003.6
First Semester	30	7	1,350,088	0.24	135.4	41	103.3	31	45.5	14	20.7	6	7.6	2	15.8	5	328.2
Second Semester	24	13	3,311,567	0.31	304.1	30	446.9	44	125.6	12	71.1	7	10.3	1	63.3	6	1,021.3

Country: OTHERS

Year: 2019

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	42	5	216,000	0.35	38.5	51	15.5	21	7	9	5	7	0	9.1	12	75.5	
Feb	40	5	141,000	0.33	17.3	38	12.9	28	6	13	7	15	0	3.1	7	45.9	
Mar	34	5	42,000	0.18	3.3	43	1.9	25	1	17	1	10	0	0.4	6	7.7	
Apr	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
May	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jun	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Jul	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Aug	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sep	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Oct	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nov	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dec	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Annual	15	1	399,000	0.32	59.1	46	30.3	23	14.2	11	12.9	10	0.0	0	12.6	10	129.1
Quarter 1	39	5	399,000	0.32	59.1	46	30.3	23	14.2	11	12.9	10	0.0	0	12.6	10	129.1
Quarter 2	16	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																	
Quarter 4																	
First Semester	28	3	399,000	0.32	59.1	46	30.3	23	14.2	11	12.9	10	0.0	0	12.6	10	129.1
Second Semester																	

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

(Database Closed on 27/01/2021)

Country: SEYCHELLES

Area: WIO

Year: 2009 - 2018

Year	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2009	19,942,208	0.42	469.7	6	4141.2	50	582	7	160	2	257.6	3	2743.7	33	8354.6
2010	17,629,497	0.38	527.5	8	3384.5	51	409	6	214	3	282.4	4	1841.1	28	6658.7
2011	16,334,209	0.46	1183.8	16	4081.8	54	396	5	285	4	282.5	4	1336.8	18	7565.8
2012	19,565,233	0.77	1220.1	8	10750.2	71	1082	7	1109	7	388.8	3	566.8	4	15117.3
2013	23,477,396	0.49	1176.7	10	6193.1	54	945	8	564	5	392.3	3	2159.8	19	11431.2
2014	21,585,172	0.50	1643.2	15	5260.0	49	965	9	687	6	583.4	5	1551.4	15	10689.3
2015	22,825,037	0.55	2306.4	18	5835.2	47	1621	13	1238	10	435.8	3	1082.7	9	12519.7
2016	34,617,894	0.43	2634.3	18	5266.8	35	1863	12	1548	10	496.4	3	3200.5	21	15008.7
2017	35,280,712	0.42	3422.9	23	3897.0	27	1468	10	908	6	607.0	4	4400.5	30	14703.8
2018	39,370,820	0.45	5845.2	33	3675.4	21	2223	13	1085	6	1197.2	7	3531.4	20	17557.8

Country: SEYCHELLES

Area: Seychelles EEZ

Year: 2009 - 2018

Year	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2009	1,857,658	0.43	116.1	14	569.2	71	61	8	14	2	27.3	3	18.3	2	805.9
2010	1,444,072	0.44	79.4	13	432.2	68	27	4	27	4	32.1	5	34.7	5	632.4
2011	1,233,609	0.61	236.2	31	382.2	51	38	5	34	5	43.5	6	18.1	2	752.1
2012	2,630,029	0.71	195.5	10	1375.6	74	118	6	116	6	38.5	2	19.2	1	1863.2
2013	4,744,165	0.58	372.6	14	1973.8	72	137	5	126	5	78.3	3	43.2	2	2731.6
2014	5,876,348	0.52	638.8	21	1848.1	61	191	6	147	5	134.7	4	71.5	2	3031.2
2015	6,742,755	0.49	980.3	30	1663.6	50	281	8	242	7	100.0	3	46.6	1	3313.6
2016	10,071,951	0.42	1126.5	27	1978.4	47	460	11	431	10	154.4	4	89.0	2	4239.6
2017	8,432,538	0.39	1181.4	36	1359.6	41	310	9	198	6	154.9	5	123.5	4	3327.7
2018	8,023,333	0.42	1565.2	46	832.2	25	335	10	176	5	316.2	9	157.6	5	3382.2

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

(Database Closed on 27/01/2021)

Country: SEYCHELLES
Year: 2018

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	2,146,528	0.33	292.1	41	209.1	29	75	11	48	7	64.0	9	25.6	4	713.6	713.6
	2	523,438	0.52	193.0	70	39.4	14	21	8	11	4	7.8	3	2.1	1	274.7	988.3
	3	758,766	0.43	129.3	39	59.0	18	39	12	14	4	68.5	21	17.9	5	327.8	1316.1
	4	4,594,600	0.45	950.8	46	524.6	25	200	10	103	5	175.8	9	112.0	5	2066.1	3382.2
SYC EEZ Total		8,023,333	0.42	1565.2	46	832.2	25	335	10	176	5	316.2	9	157.6	5	3382.2	
Foreign EEZ	1	334,870	0.47	65.7	42	37.3	24	29	18	7	4	7.0	4	11.8	7	157.6	157.6
	2	807,335	0.78	334.9	53	97.6	16	47	7	27	4	55.7	9	64.8	10	627.3	784.9
	3	1,062,942	0.66	156.0	22	197.4	28	181	26	14	2	48.4	7	99.6	14	696.8	1481.7
	4	1,321,948	0.52	231.7	34	229.5	34	65	10	22	3	47.8	7	84.9	12	681.4	2163.1
Foreign EEZ Total		3,527,095	0.61	788.3	36	561.8	26	323	15	70	3	159.0	7	261.1	12	2163.1	
High Seas	1	6,003,330	0.35	859.3	40	352.7	17	364	17	230	11	138.4	6	185.6	9	2130.4	2130.4
	2	8,967,924	0.49	1082.1	25	943.2	22	498	11	331	8	206.3	5	1295.7	30	4356.8	6487.2
	3	7,595,699	0.38	296.1	10	536.4	19	397	14	110	4	193.2	7	1316.1	46	2849.1	9336.3
	4	5,253,439	0.51	1254.2	47	449.2	17	306	11	167	6	184.1	7	315.4	12	2676.2	12012.5
High Seas Total		27,820,392	0.43	3491.7	29	2281.5	19	1565	13	839	7	722.0	6	3112.8	26	12012.5	
WIO Total	1	8,484,728	0.35	1217.2	41	599.1	20	467.9	16	284.8	9	209.5	7	223.0	7	3001.6	3001.6
	2	10,298,698	0.51	1610.0	19	1080.2	13	566.3	7	369.9	4	269.9	3	1362.5	16	5258.8	8260.4
	3	9,417,407	0.41	581.3	5	792.8	7	617.6	5	138.3	1	310.1	3	1433.6	12	3873.7	12134.1
	4	11,169,987	0.49	2436.7	14	1203.3	7	571.3	3	292.4	2	407.8	2	512.3	3	5423.7	17557.8
Grand Total		39,370,820	0.45	5845.2	33	3675.4	21	2223.1	13	1085.5	6	1197.2	7	3531.4	20	17557.8	

Country: SEYCHELLES
Year: 2019

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	1,375,957	0.36	204.3	41	151.7	30	42	8	26	5	51.3	10	24.1	5	499.7	499.7
	2	237,300	0.65	92.4	60	29.7	19	14	9	4	3	5.2	3	8.4	5	154.1	653.7
	3																653.7
	4																653.7
SYC EEZ Total		1,613,257	0.41	296.7	45	181.5	28	56	9	30	5	56.5	9	32.5	5	653.7	
Foreign EEZ	1	1,085,190	0.78	426.9	51	203.7	24	53	6	40	5	58.0	7	59.9	7	842.2	842.2
	2	1,340,713	0.96	871.4	68	105.6	8	165	13	14	1	40.9	3	85.1	7	1282.4	2124.6
	3															2124.6	
	4															2124.6	
Foreign EEZ Total		2,425,903	0.88	1298.4	61	309.3	15	218	10	55	3	98.9	5	144.9	7	2124.6	
High Seas	1	5,905,385	0.46	1050.0	39	547.1	20	378	14	152	6	213.6	8	358.1	13	2698.7	2698.7
	2	6,594,381	0.61	1189.5	30	763.5	19	427	11	123	3	152.5	4	1345.3	34	4000.5	6699.2
	3															6699.2	
	4															6699.2	
High Seas Total		12,499,766	0.54	2239.5	33	1310.6	20	804	12	275	4	366.1	5	1703.4	25	6699.2	
WIO Total	1	8,366,532	0.48	1681.3	42	902.5	22	473.4	12	218.3	5	322.9	8	442.1	11	4040.5	4040.5
	2	8,172,394	0.67	2153.3	23	898.8	9	605.6	6	141.9	1	198.6	2	1438.7	15	5437.0	9477.5
	3															9477.5	
	4															9477.5	
Grand Total		16,538,926	0.57	3834.6	40	1801.3	19	1079.1	11	360.2	4	521.5	6	1880.8	20	9477.5	

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

(Database Closed on 27/01/2021)

Area: Seychelles EEZ

Year: 2018

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	2146528	0.33	292.1	41	209.1	29	75	11	48	7	64.0	9	25.6	3.6	713.6	713.6
	2	523438	0.52	193.0	70	39.4	14	21	8	11	4	7.8	3	2.1	0.7	274.7	988.3
	3	758766	0.43	129.3	39	59.0	18	39	12	14	4	68.5	21	17.9	5.5	327.8	1316.1
	4	4594600	0.45	950.8	46	524.6	25	200	10	103	5	175.8	9	112.0	5.4	2066.1	3382.2
National Total		8023333	0.42	1565.2	46	832.2	25	335	10	176	5	316.2	9	157.6	4.7	3382.2	
TTA ¹	1	1070753	0.37	208.4	52	64.4	16	46	11	30	7	23.5	6	25.4	6.4	396.9	396.9
	2	722546	0.35	64.8	26	61.8	25	54	21	36	14	19.2	8	15.1	6.0	250.8	647.7
	3	281766	0.43	8.3	7	18.7	16	39	33	6	5	26.6	22	20.9	17.5	119.8	767.5
	4	3814981	0.39	481.7	32	546.1	36	114	8	100	7	152.9	10	109.0	7.2	1503.8	2271.3
TTA Agreement Total		5890046	0.39	763.2	34	691.0	30	253	11	172	8	222.3	10	170.5	7.5	2271.3	
TFI ²	1	102782	0	18.6	53	10.4	30	2	5	1	4	1.3	4	1.4	4	34.7	34.7
	2	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0.0	0.0	34.7
	3	52781	0.27	1.4	10	4.8	34	4	28	1	6	1.9	13	1.3	9.3	14.2	48.9
	4	1534532	0.31	127.3	27	204.8	43	68	14	40	8	10.2	2	25.0	5.3	476.1	525.0
TFI Agreement Total		1690095	0.31	147.2	28	220.0	42	74	14	43	8	13.4	3	27.8	5.3	525.0	
All Agreements ³	1	7444931	0.31	1018.9	44	574.3	25	258	11	164	7	181.2	8	112.6	4.9	2308.2	2308.2
	2	2158436	0.37	324.8	41	180.5	23	131	16	76	9	53.5	7	35.6	4.4	801.5	3109.7
	3	1532139	0.36	151.7	27	108.3	19	95	17	26	5	130.9	23	45.0	8.1	557.4	3667.0
	4	16449243	0.39	2365.9	37	2180.5	34	556	9	364	6	534.9	8	422.6	6.6	6424.0	10091.1
Grand Total		27584749	0.37	3861.3	38	3043.7	30	1039.2	10	630.5	6	900.5	9	615.8	6	10091.1	0.0

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

Area: Seychelles E Seychelles EEZ

Year: 2019

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	1375957	0.36	204.3	41	151.7	30	42	8	26	5	51.3	10	24.1	4.8	499.7	499.7	
	2	237300	0.65	92.4	60	29.7	19	14	9	4	3	5.2	3	8.4	5.4	154.1	653.7	
	3																	
	4																	
National Total		1613257	0.41	296.7	45	181.5	28	56	9	30	5	56.5	9	32.5	5.0	653.7		
TTA ¹	1	1681070	0.42	236.3	34	205.6	29	67	10	44	6	103.3	15	45.3	6.4	701.8	701.8	
	2	355480	0.57	98.6	49	41.3	20	16	8	13	6	28.3	14	5.8	2.9	202.4	904.3	
	3																	
	4																	
TTA Agreement Total		2036550	0.44	334.9	37	246.9	27	83	9	57	6	131.6	15	51.1	5.6	904.3		
TFI ²	1	99200	0.41	6.9	17	14.3	36	1	3	2	6	5.2	13	10.4	26.0	40.2	40.2	
	2	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0.0	0.0	40.2	
	3																	
	4																	
TFI Agreement Total		99200	0.4	6.9	17.1	14.3	35.7	1.1	2.8	2.3	5.6	5.2	12.8	10.4	26.0	40.2		
All Agreements	1	5200106	0.38	738.2	38	559.9	29	168	9	122	6	252.3	13	124.0	6.3	1964.4	1964.4	
	2	950370	0.58	272.2	49	112.1	20	52	9	23	4	72.9	13	20.9	3.8	553.8	2518.2	
	3																	
	4																	
Grand Total		6150476	0.41	1010.4	40	672.0	27	220.4	9	145.4	6	325.1	13	144.9	6	2518.2		

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, 2009 - 2019

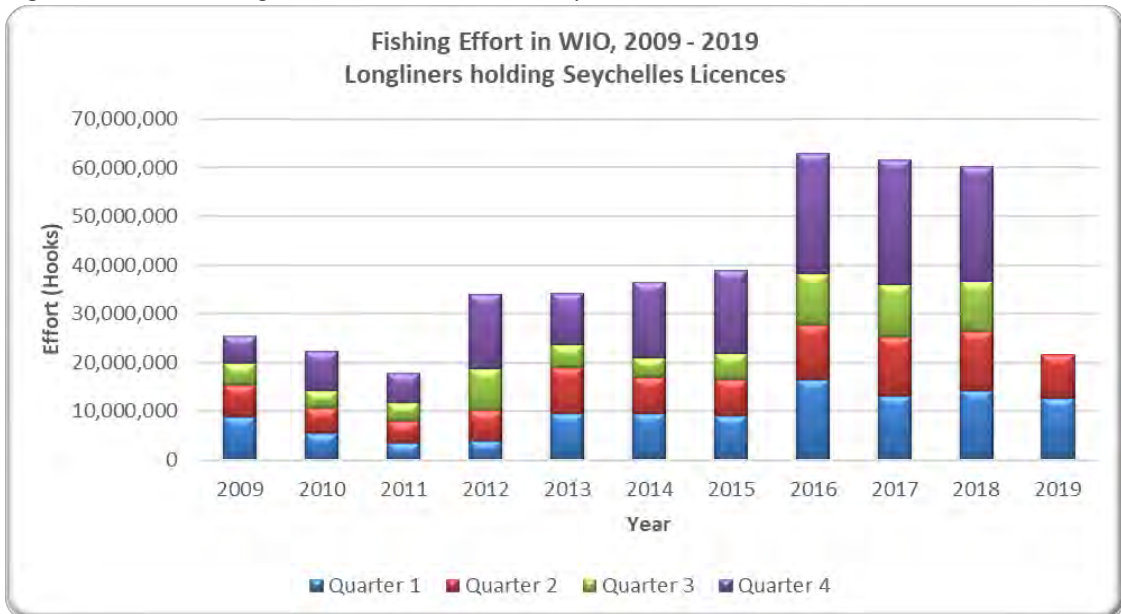


Figure 2B: Industrial longliners fishing effort in the WIO by Year, 2009 - 2019

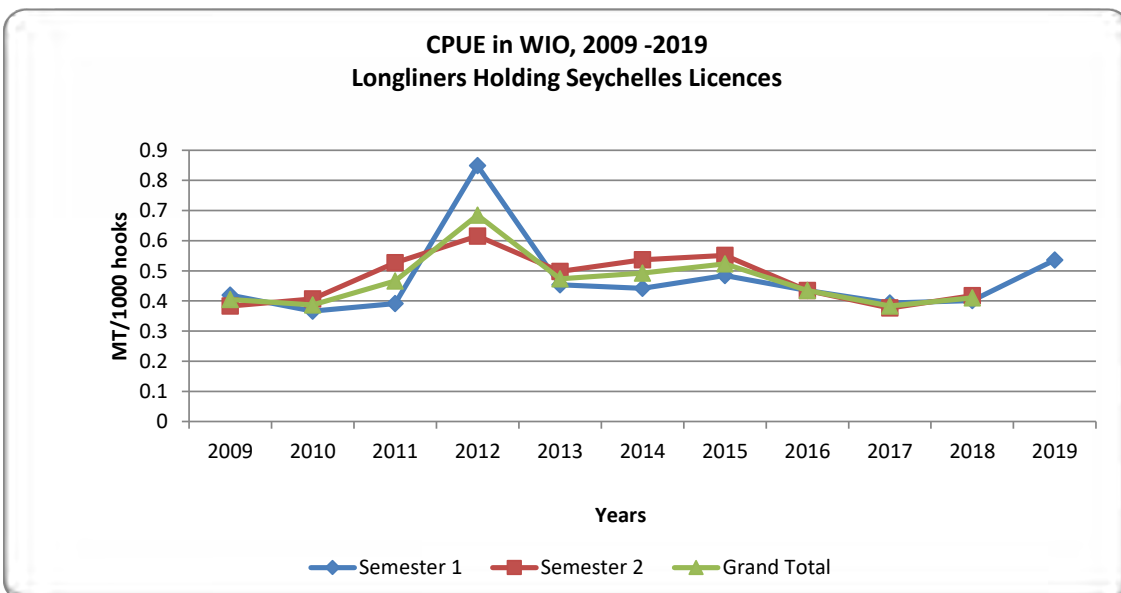


Figure 2C: Industrial Longliners CPUE in the WIO by Year, 2009 - 2019

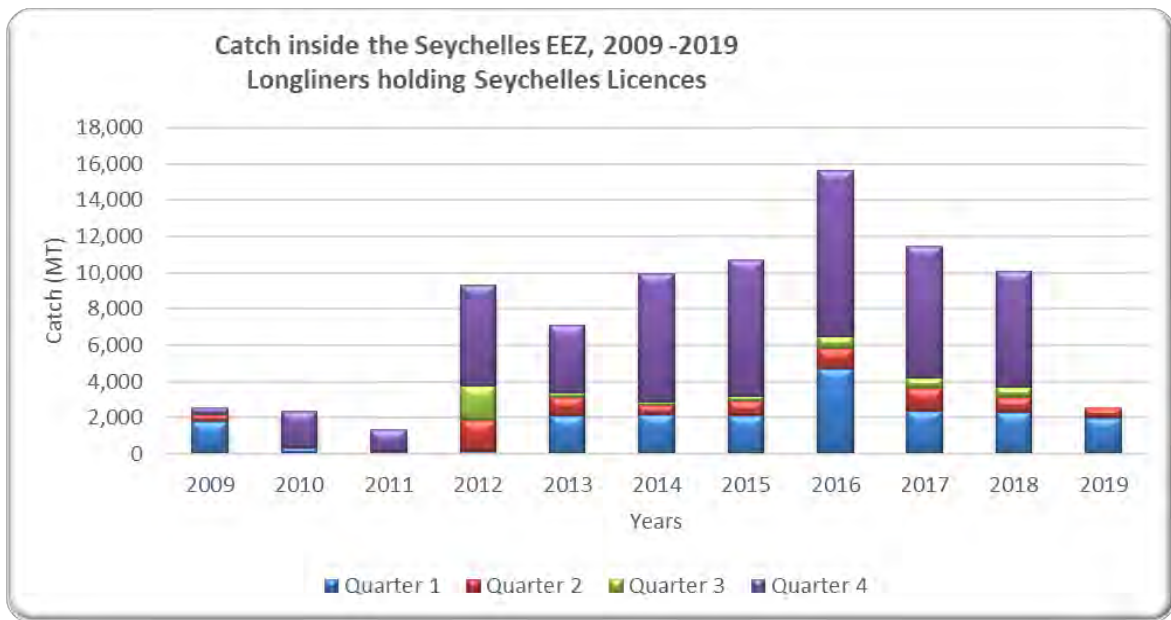


Figure 2D: Industrial longliners Total catch in the Seychelles EEZ by Year, 2009 - 2019

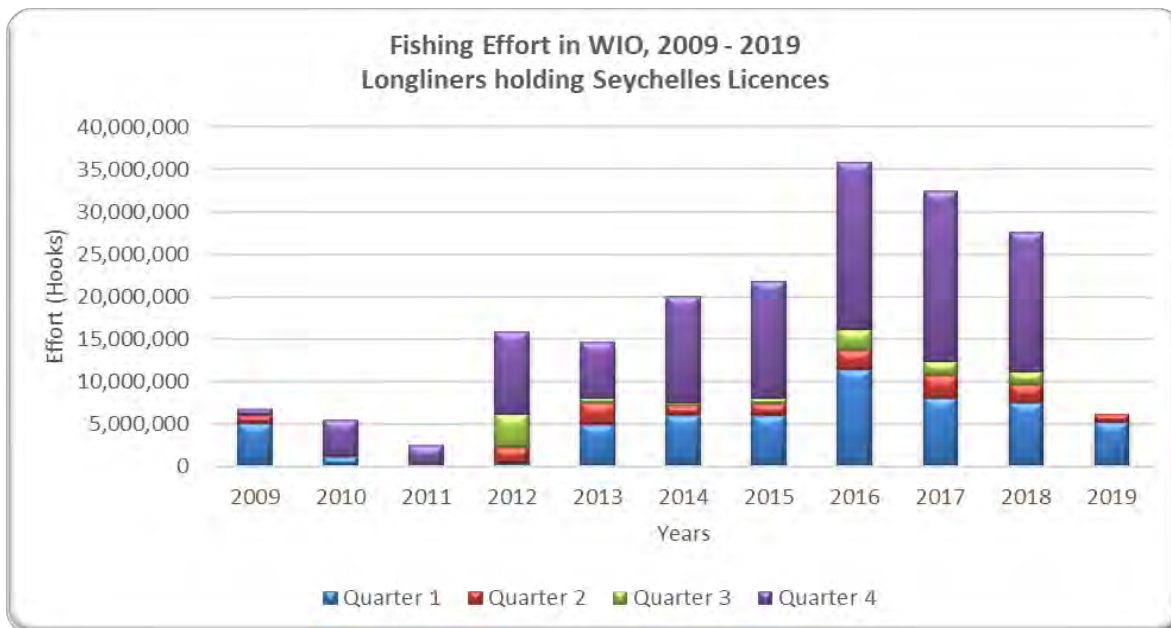


Figure 2E: Industrial Longliners fishing effort in the Seychelles EEZ by Year, 2009 - 2019

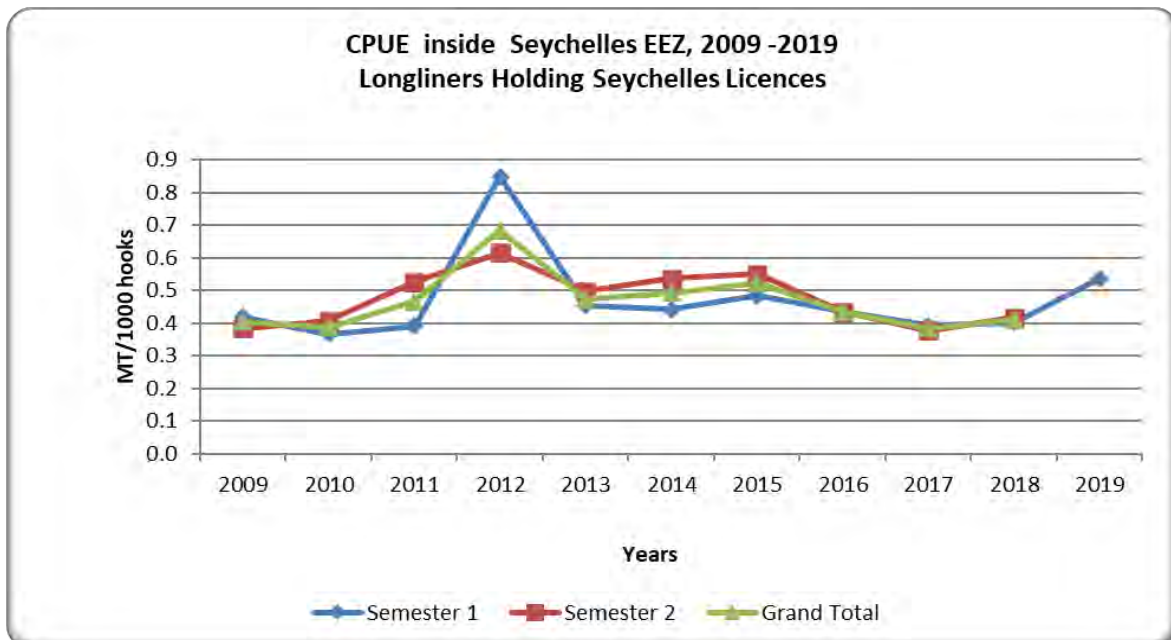


Figure 2F: Industrial Longliners CPUE in the Seychelles EEZ by Year, 2009 - 2019

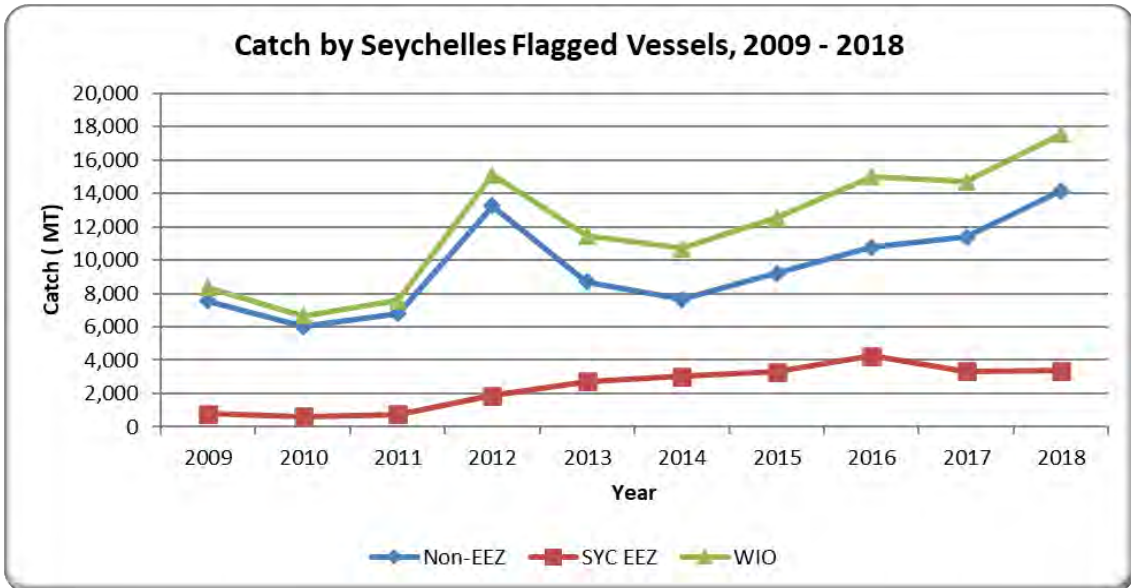


Figure 2G: Seychelles Flagged Longliners Catch, years 2009 -2018

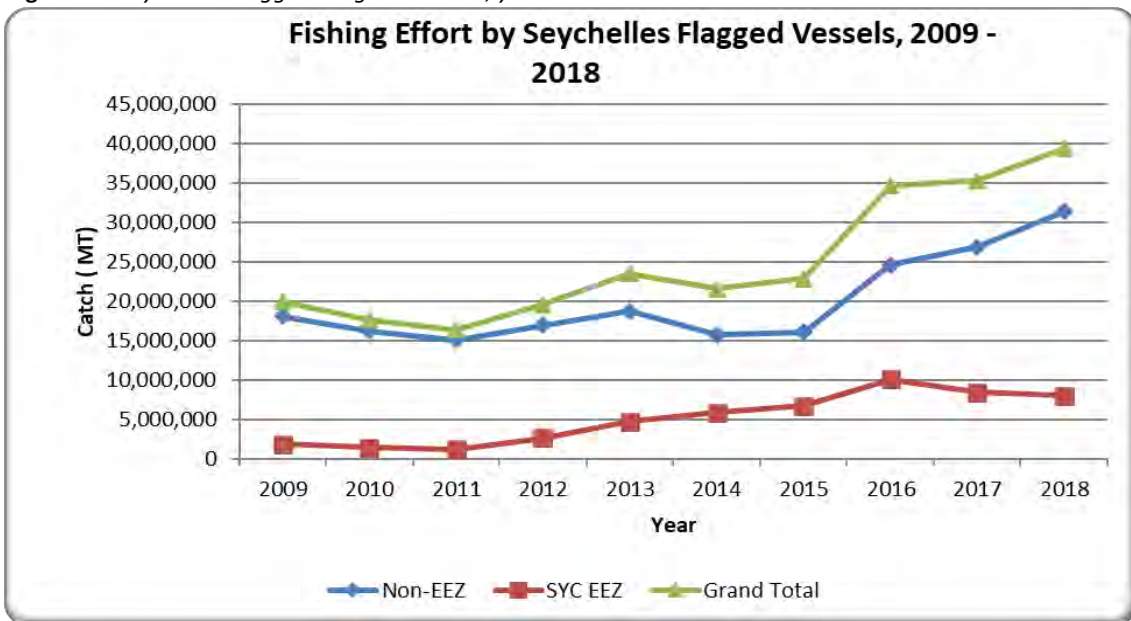


Figure 2H: Seychelles Flagged Longliners Effort, years 2009 -2018

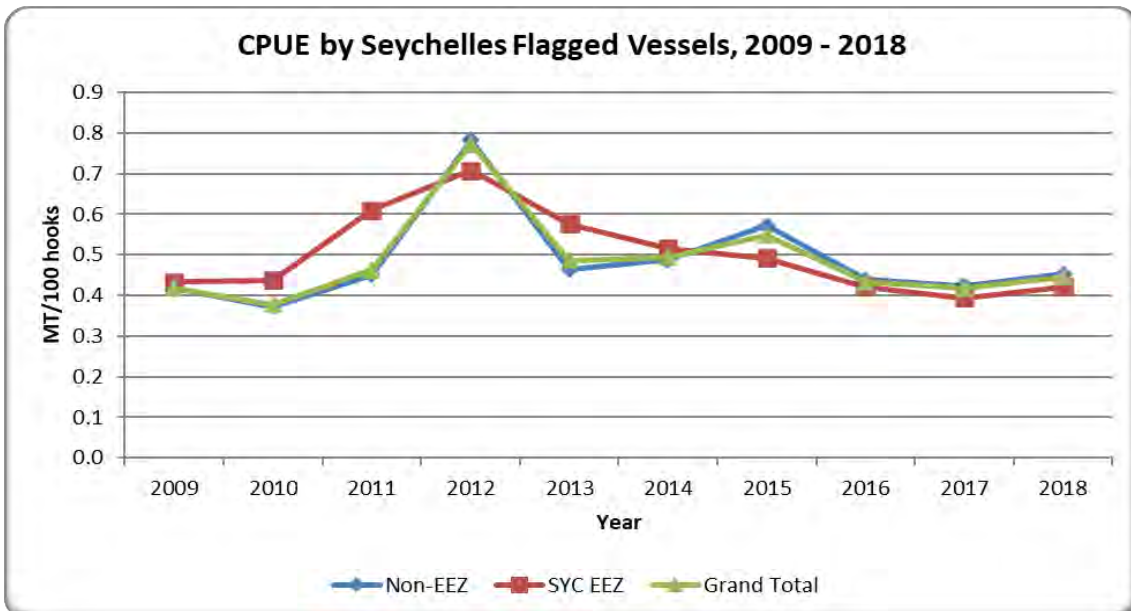
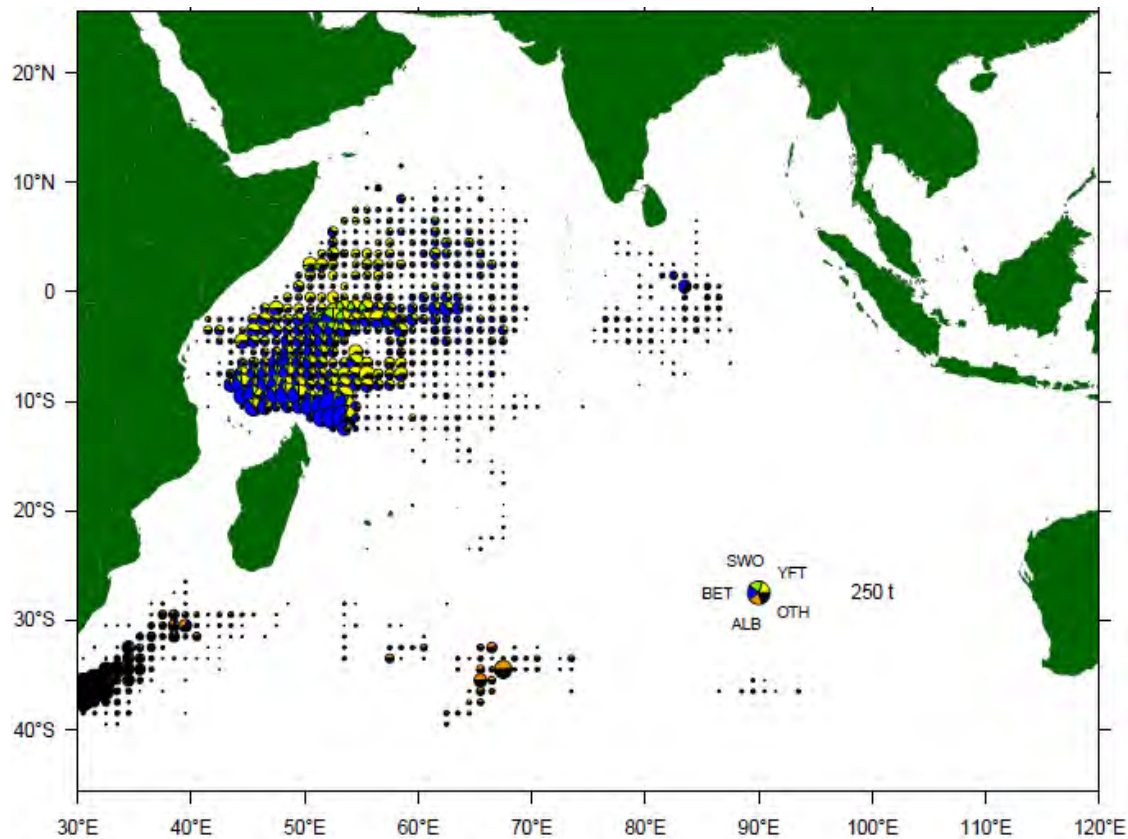


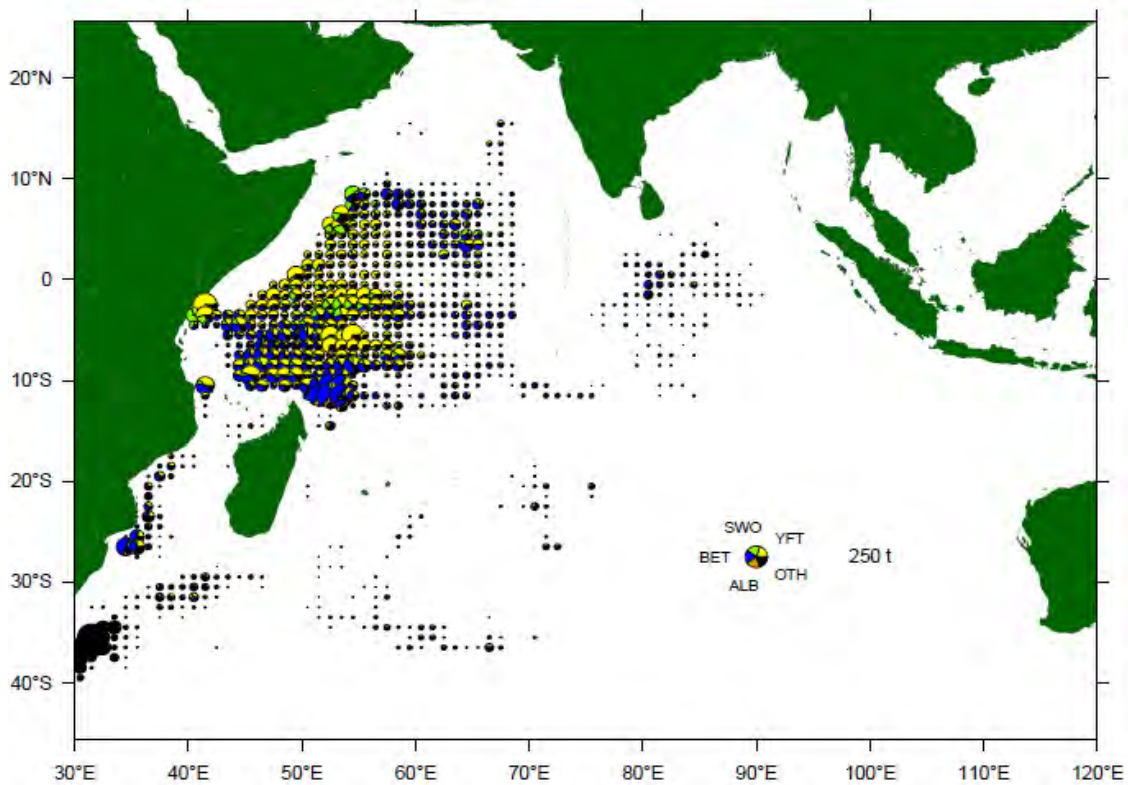
Figure 2I: Seychelles Flagged Longliners CPUE years 2009 -2018

Fishing Ground Exploited by Industrial Longliners

Map 2A. Industrial longliners fishing ground for Year 2017

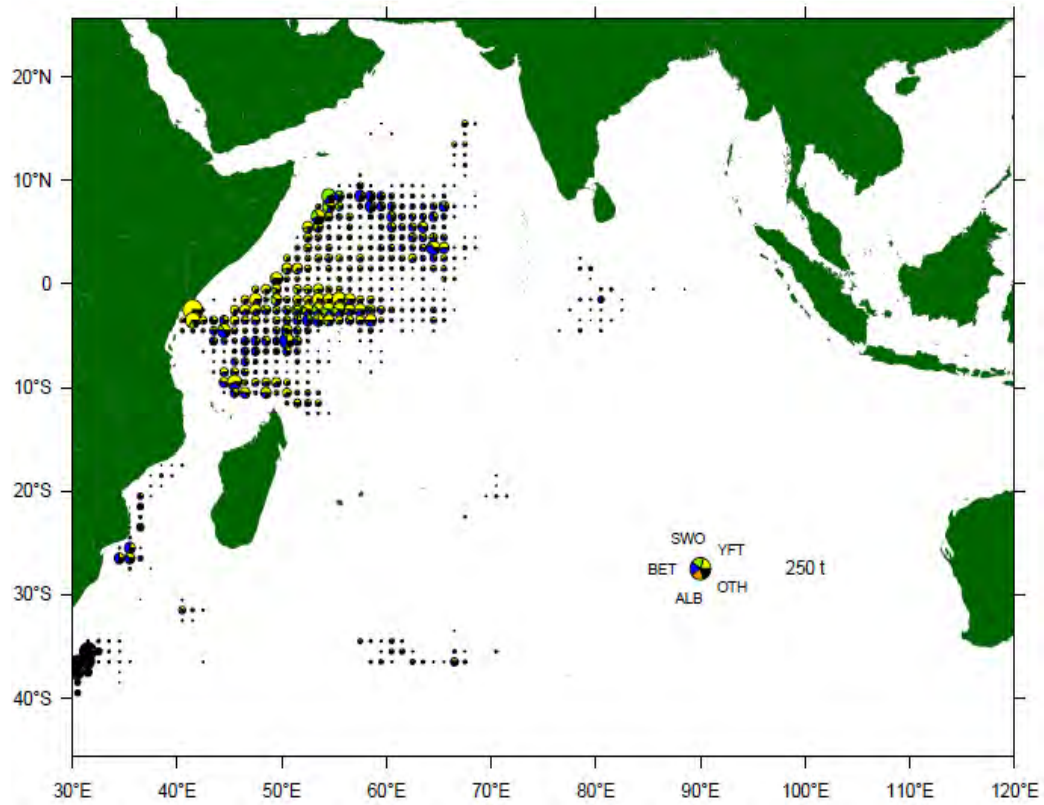


Map 2B. Industrial longliners fishing ground for Year 2018

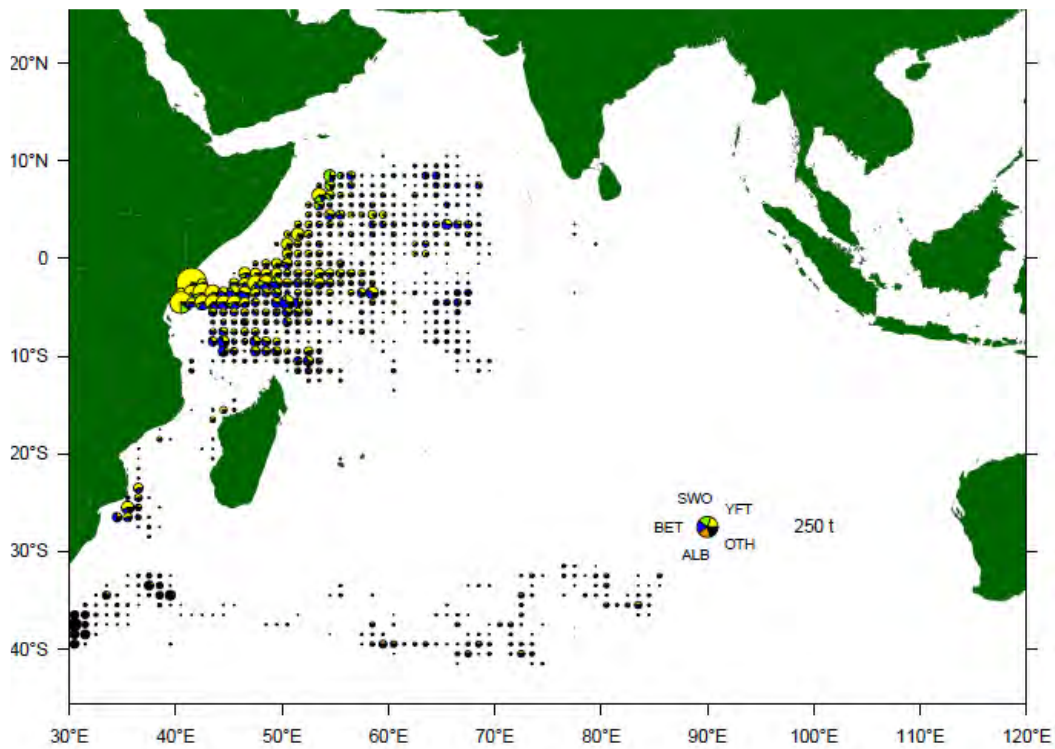


Fishing Ground Exploited by Industrial Longliners

Map 2C. Industrial longliners fishing ground for 1st Semester 2018

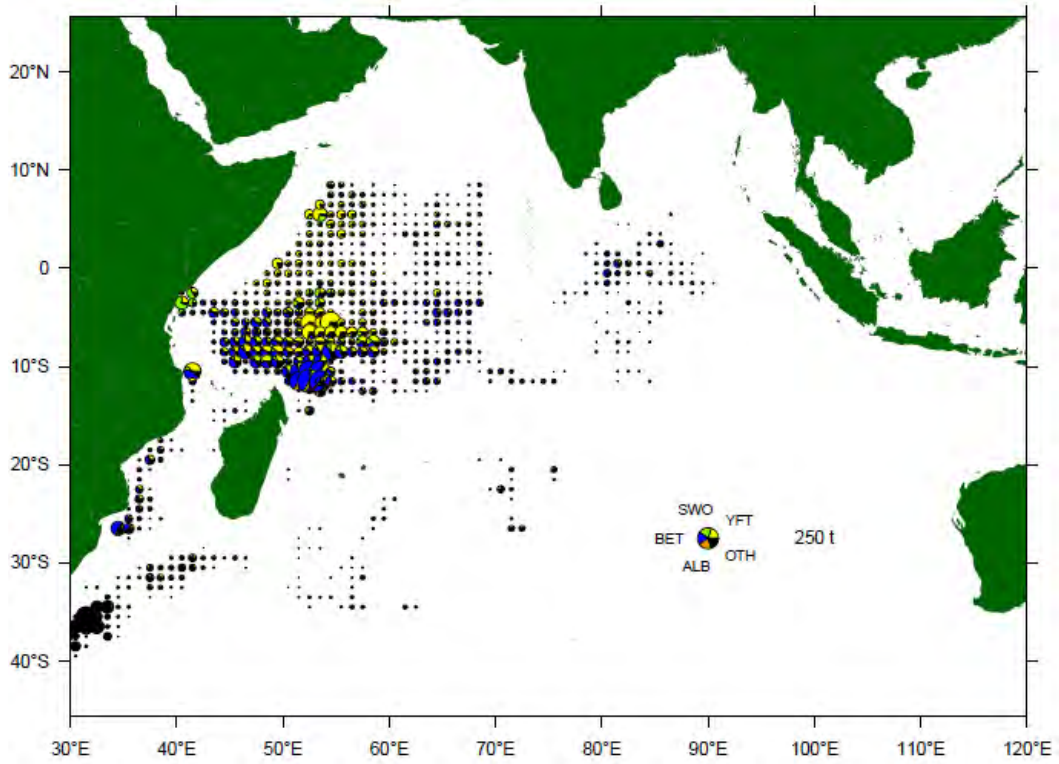


Map 2D. Industrial longliners fishing ground for 1st Semester 2019



Fishing Ground Exploited by Industrial Longliners

Map 2E. Industrial longliners fishing ground for 2nd Semester 2018



Semi - Industrial Longline Fishery



3. SUMMARY OF SEMI INDUSTRIAL FISHERY

3.1. *Vessels Active and Trip Information*

- Over the last 10 years, the number of vessels active in the semi-industrial longline fishery ranged between 4 to 30 vessels active per year and the total fishing trips spanned from 24 to 330 fishing trips with average trip duration of 11 days per trip (table 3.0).
- In 2019, a 20% increase in the number of vessels active in the semi-industrial longline fishery was recorded when compared to the year 2018. A total of 36 vessels were active compared to 30 vessels during the previous year.
- In 2019, 36 semi-industrial longliners conducted a total of 397 fishing trips targeting tuna and swordfish representing an increase of 34% in number of trips over the 297 fishing trips conducted in 2018 by 30 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 329 MT in 2009 to reach a mere 82 MT in 2014. The catch has since then been on an increasing trend reaching a total of 1267 MT in 2018 (figure 3A).

As for the fishing effort, following a slight increase of 5% in the year 2010, the fishing effort dropped by 43%, from 505,534 hooks in 2010 to reach 118,973 hooks in 2014. Like the catch, the fishing effort has since then been on an increasing trend to reach 2.1 million hooks in 2018 (figure 3B).

For the period 2009 to 2014, the CPUE fluctuated in a range of 0.58 MT/1000 hooks to 0.82MT/1000 hooks, followed by an increased to reach 0.95 MT/1000 hooks in 2015. The CPUE, has since then been on a decreasing trend to reach 0.61MT/1000 hooks in 2018 (figure 3C).

- During the year 2019, the Semi industrial fishery recorded the highest catch since the beginning of the fishery with a reported total catch of 2,008 MT based on 99% logbook returned to SFA. This represents an increase of 59% in catches over the 1,267 MT reported in 2018. This corresponds to an increase of 23% in fishing effort where a total of 2.54 million hooks were sets compared to 2.07 hooks sets in 2018 (table 3.0). The high increase in catches could also be attributed to the increase of 6 vessels active in the year 2019 and an increase of 34% (100) in number of fishing trips. The mean catch rate estimated for the year 2019 stands at 0.79 MT/ 1000 hooks compared to a mean catch rate of 0.61 MT/ 1000 hooks estimated for the previous year.

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. During the year 2019, yellowfin tuna accounted for 75% of the total catch followed by swordfish and bigeye tuna accounting for 16% and 6% of the total catch respectively (figure 3E). During the previous year, the semi-industrial catches was dominated by yellowfin (66%) followed by swordfish (16%) and bigeye tuna (9%) (figure 3f).
- An increase in catches were observed in yellowfin tuna, swordfish and bigeye tuna, whilst sailfish, marlin, sharks and the 'others' category all recorded a decrease in 2019 compared to 2018. A record catch of 1507 MT of yellowfin tuna was reported to have been caught by the semi-industrial longliners in 2019, the highest yellowfin tuna catches recorded since the beginning of the fishery. This represents 81% increase over the 833 MT of yellowfin tuna reported for the same period the previous year. Swordfish and bigeye tuna also increased from 226 MT and 113 MT in 2018 to 313 MT and 119 MT respectively in 2019. However, sailfish and marlin decreased by 36% and 21% from 20 MT and 70 MT to reach 13 MT and 50 MT respectively, during the period 2018 to 2019.

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

(Database Closed on 28/01/2021)

Country: SEYCHELLES

Semester 1, Years 2009 - 2019

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)	
2009	9	65	10	271,280	0.82	41	43	119	10	2	9	0	224
2010	8	62	10	251,048	0.64	30	15	102	2	6	4	2	160
2011	4	29	11	166,326	0.84	25	11	90	1	4	9	0	141
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	1,428,084	0.79	751	91	226	9	44	0	2	1123

Country: SEYCHELLES

Semester 2, Years 2009- 2019

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)	
2009	8	48	11	210,387	0.50	27	16	51	5	3	3	0	105
2010	9	45	10	254,485	0.53	28	11	84	3	6	2	1	135
2011	4	26	10	121,612	0.80	22	12	51	3	3	6	0	97
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	1,120,753	0.79	756	28	86	4	12	0	0	886

Country: SEYCHELLES

Year: 2009- 2019

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)	
2009	9	113	10	481,668	0.68	68	59	170	15	5	12	1	329
2010	9	107	10	505,534	0.58	58	26	186	5	12	6	2	295
2011	4	55	10	287,938	0.83	46	23	141	5	7	15	1	238
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	29	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	2,548,837	0.79	1507	119	313	13	55	0	2	2008

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

(Database Closed on 28/01/2021)

Country: SEYCHELLES

Year: 2018

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	27	16	168020	0.46	55	5	13	0	4	0	0	77
Feb	22	23	16	186,790	0.47	62	7	15	0	5	0	0	89
Mar	21	33	14	209,600	0.58	85	16	12	1	8	0	0	122
Apr	24	28	15	211,180	0.69	91	20	22	3	8	0	2	147
May	23	32	13	189,826	0.72	54	6	54	8	11	0	1	133
Jun	19	23	14	177,520	0.59	56	8	36	0	5	0	0	107
Jul	16	19	16	155,490	0.48	39	12	18	0	5	1	0	74
Aug	8	8	22	78,625	0.31	14	4	4	0	2	0	0	24
Sep	13	15	16	106,600	0.75	58	7	11	0	2	0	0	80
Oct	19	27	16	202,592	0.50	71	6	17	1	6	0	1	102
Nov	22	29	14	195,090	0.88	134	11	16	2	9	0	0	172
Dec	24	33	15	191,235	0.73	113	10	11	3	4	0	0	140
Annual	20	297	16	2,072,568	0.61	831	112	229	20	69	1	5	1267
Quarter 1	22	83	15	564,410	0.51	201	27	40	2	17	0	0	288
Quarter 2	22	83	14	578,526	0.67	202	34	112	12	25	0	3	387
Quarter 3	12	42	18	340,715	0.52	111	23	33	1	9	1	0	178
Quarter 4	22	89	15	588,917	0.70	317	27	43	6	19	0	1	414
First Semester	22	166	15	1,142,936	0.59	403	61	152	13	42	0	3	675
Second Semester	17	131	17	929,632	0.64	428	50	77	7	28	1	1	592

Country: SEYCHELLES

Year: 2019

Month	Vessels			Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin (Mt)	Bigeye (Mt)	Swordfish (Mt)	Catches				Total Catch (Mt)
	Covered (Number)	Trips (Number)	Mean Trip Duration (Days)						Sailfish (Mt)	Marlins (Mt)	Shark (Mt)	Others (Mt)	
Jan	23	27	15	175353	0.58	71	6	17	1	5	0	0	101
Feb	26	28	16	191,479	0.57	69	12	19	1	8	0	1	109
Mar	30	43	16	267,546	0.64	121	20	22	1	9	0	0	173
Apr	29	37	14	271,195	1.01	208	27	27	1	11	0	0	274
May	33	48	13	285,666	0.98	204	12	52	5	7	0	0	281
Jun	28	34	14	236,845	0.78	78	13	89	1	4	0	0	185
Jul	24	33	14	185,245	0.57	77	7	19	2	1	0	0	106
Aug	9	9	18	63,438	0.48	23	2	5	0	0	0	0	30
Sep	19	23	15	123,411	0.85	92	5	8	0	1	0	0	106
Oct	26	31	16	238,346	0.91	195	4	16	0	2	0	0	217
Nov	32	40	13	272,393	0.77	180	4	22	1	3	0	0	210
Dec	31	44	12	237,919	0.91	190	5	17	1	4	0	0	217
Annual	26	397	15	2,548,837	0.79	1507	119	313	13	55	0	2	2008
Quarter 1	26	98	16	634,378	0.60	260	39	58	2	22	0	1	383
Quarter 2	30	119	14	793,706	0.93	490	52	168	7	22	0	1	740
Quarter 3	17	65	16	372,095	0.65	191	14	32	2	2	0	0	241
Quarter 4	30	115	14	748,658	0.86	565	14	55	2	9	0	0	644
First Semester	28	217	15	1,428,084	0.79	751	91	226	9	44	0	2	1123
Second Semester	24	180	15	1,120,753	0.79	756	28	86	4	12	0	0	886

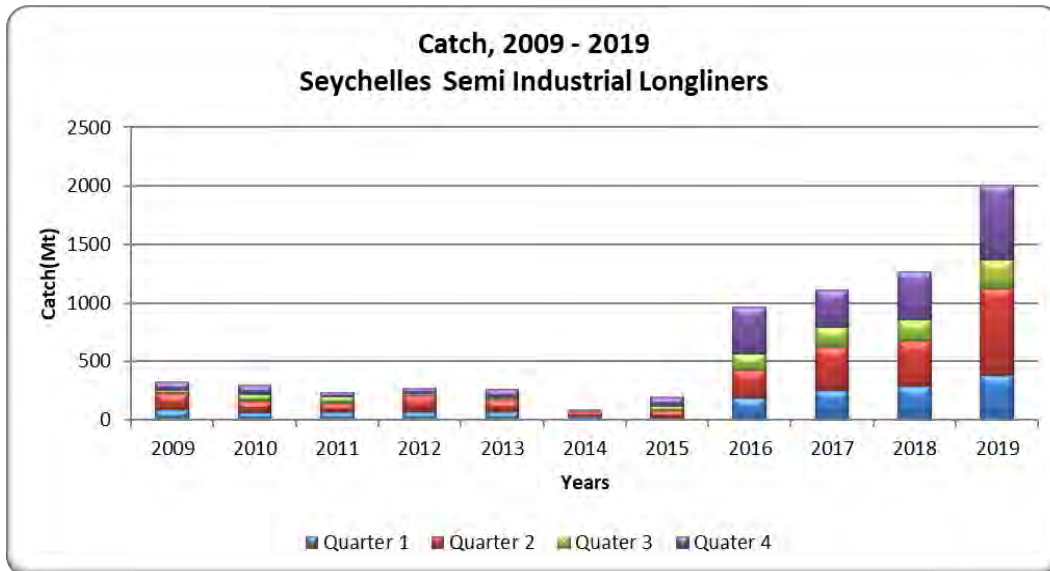


Figure 3A: Semi-Industrial Longliners Total catch by Year, 2009 - 2019

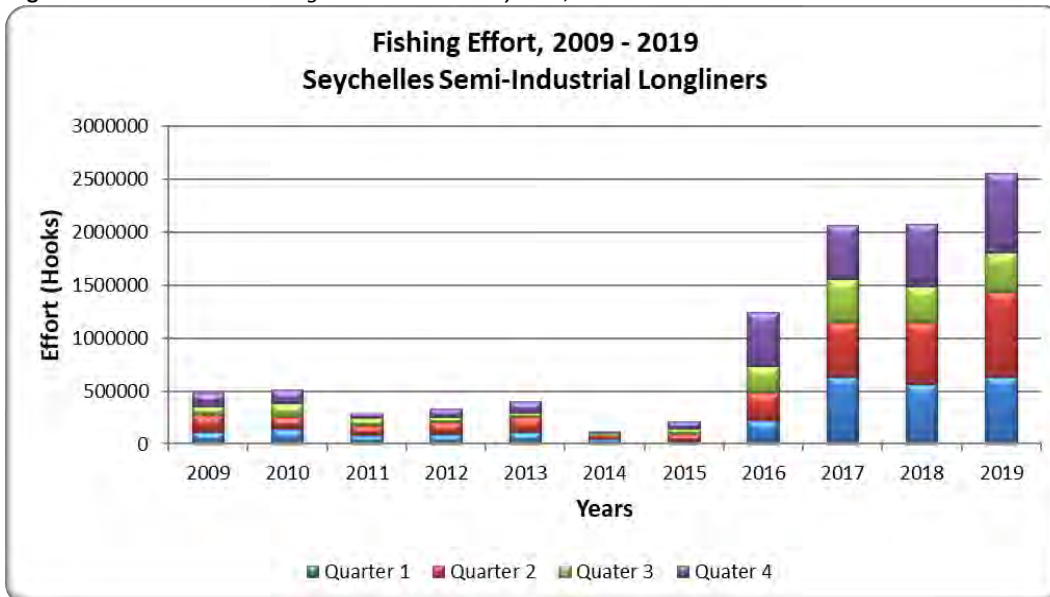


Figure 3B: Semi-Industrial longliners fishing effort by Year, 2009 - 2019

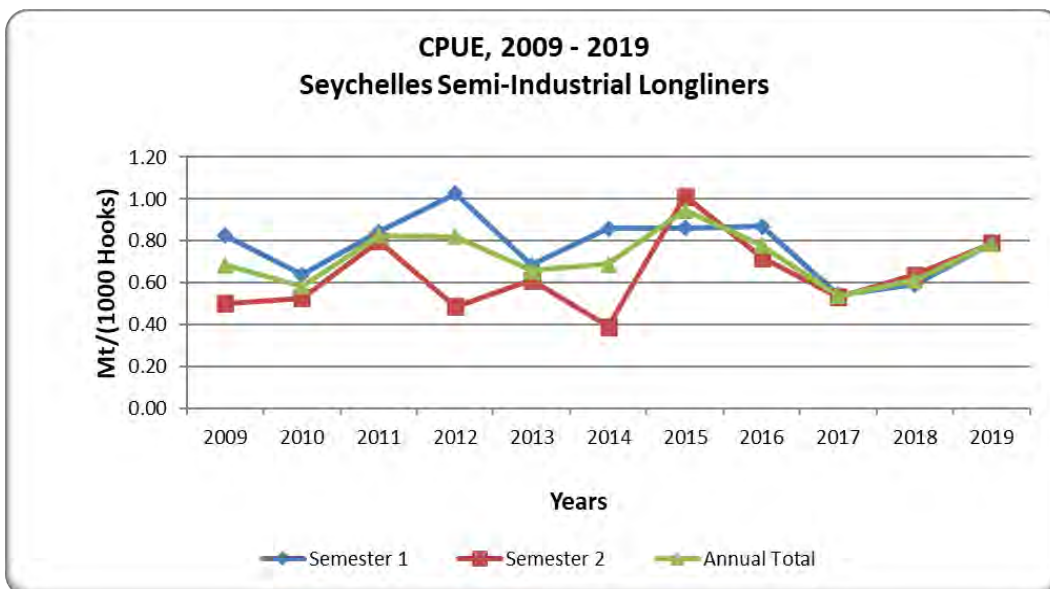


Figure 3C: Semi-Industrial Longliners CPUE by Year, 2009 - 2019

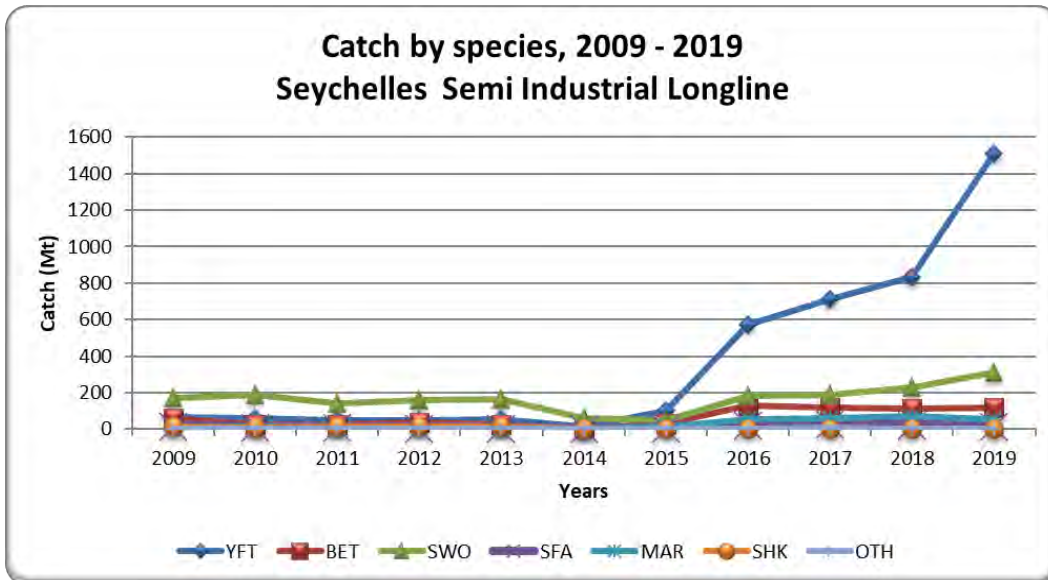


Figure 3D: Semi-Industrial Longliners catch by species by Year, 2009 - 2019

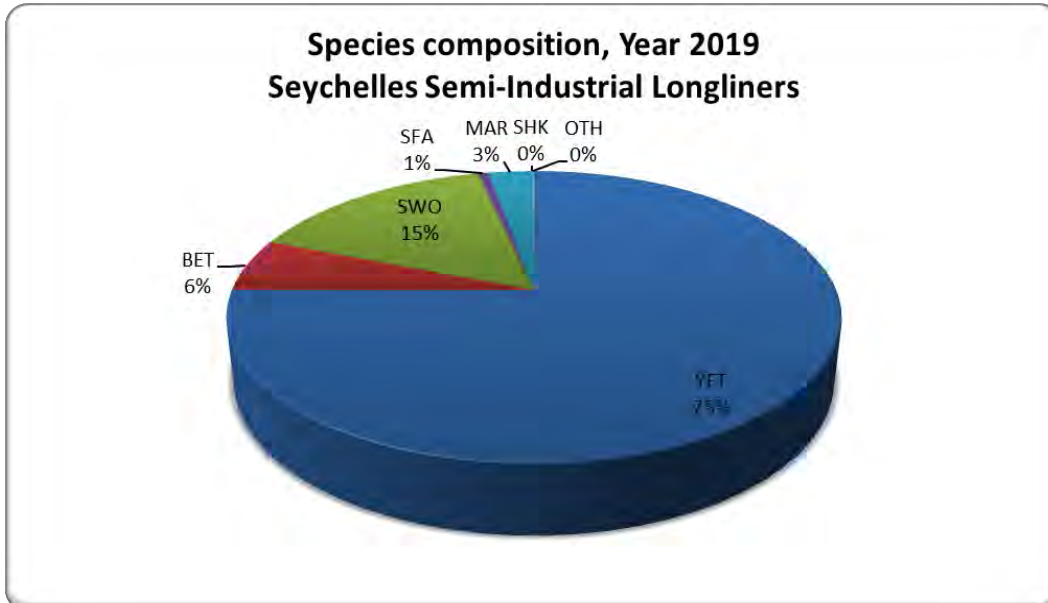


Figure 3E: Semi-Industrial longliners species composition, Year 2019

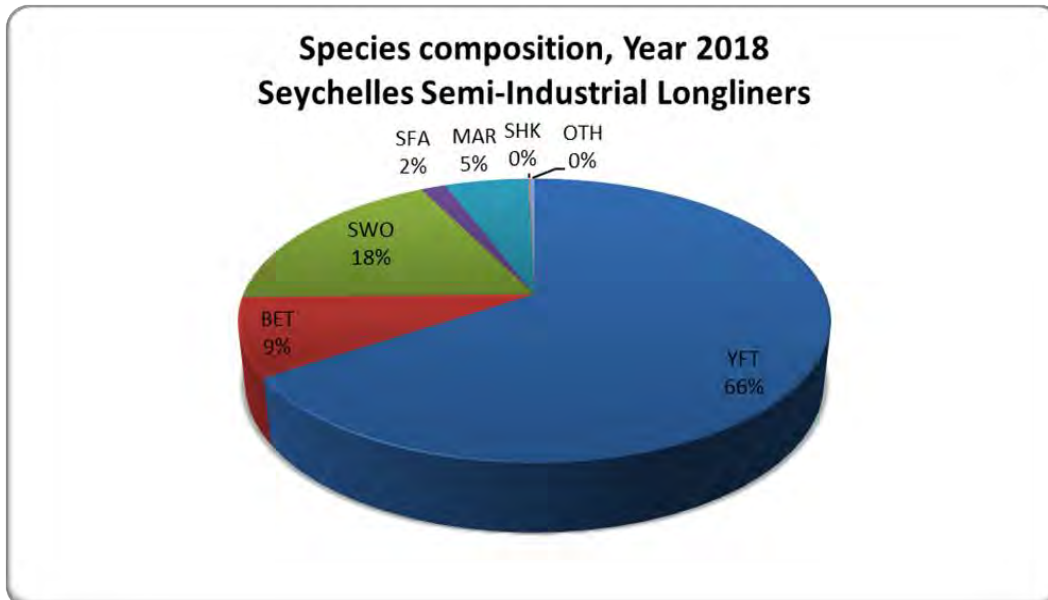


Figure 3F: Semi-Industrial longliners species composition, Year 2018

Artisanal Fishery



Pirogue



Whaler



Mini Mahe



Lekonomie



Lavenir



Schooners



4. SUMMARY OF ARTISANAL FISHERY

4.1. *Vessel Active*

- Readers should note that all figures for year 2019 presented in this report for artisanal fishery is preliminary and may be revised in the next edition of the statistical report.
- The historical trend shows a slight decreasing trend in mean number of boats operating per month from the year 2009 to reach a dip of 428 boats active per month in 2014. The mean number of boats active has since then been on an increasing trend reaching a peak of 498 boats active per month in 2018 (Table 4.1A).
- The number of boats operating in the artisanal fishery, during the year 2019 decreased slightly to an average of 468 boats active when compared to the previous year. It must be noted that the number of schooners operating during the last 3 years has increased significantly from 13 schooners in 2016 to reach a record of 56 schooners active in 2018 which then decreased to 49 schooners active in 2019. On the other hand, the number of whalers active has decreased from 94 whalers active in 2016 to 71 whalers active in 2019.
- In terms of vessel type, 72% of the fleets were outboard vessels, 15% were schooners and 10% were whalers in 2019 compared to 72% of outboard, 14% of whalers and 11% of schooners active in 2018. The number of semi-industrial longliners conducting fishing trips targeting demersal fish stood at an average of 4 vessels active per month compared to an average 9 vessels for the same period the previous year (Table 4.1B).

4.2. *Catch Statistic by Vessel Type*

- Time series of catches shows in 2009 the artisanal catches dropped by 37% and have remained the same for the following 3 years with an average of 2,658 MT per year between 2010 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. 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 the last 3 years.
- For the year 2019, the total artisanal catches increased by 9% to reach 4549 MT compared to 4186.7 MT during the previous year (figure 4A) despite a slight decrease in fishing effort.
- Historically, Outboard accounted for the higher proportion of the artisanal catches and the same was observed in 2019 where outboard, schooners and whalers accounted for 53%, 26% and 18% of the total artisanal catches respectively when compared to the previous year. In 2018 outboard, schooners and whalers represented 56%, 16% and 21% of the total artisanal catches respectively. It can be observed that in 2019, schooners 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).
- Typical of previous years, the handline fishery dominated artisanal fisheries catches, accounting for 70% of total landings in the year 2019 followed by encircling gillnet (15%) and static trap (10%). Total catch by handline for the year 2019 is estimated at 3,163.5 MT representing a 12% increase over the 2,816.8 MT estimated for the year 2018. Increased in catches were also observed in active traps (15%) and static traps (21%). Catches by harpoon and gillnets recorded a decrease of 1% and 4% respectively whilst catches of other gears such as dropline, reels and hoop/tangle net for crabs decreased by 39% when compared to the previous year.

4.4. Catch Statistics by Species

- Between 2009 and 2013, artisanal catches have been dominated by carangues, bourgeois, job and maquereau doux accounting on average 24%, 17%, 14% and 9% 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 2019, significant increase was recorded for bourgeois (84%), cordonier (37%), and Maconde (20%). Increases in catches were also observed for job (18%), octopus (4%), other trap fish (19%), other vielle (14%), maquereau doux (18%) and species categorise as ‘others’ (17%). All other species also recorded increases in catches with significant decrease recorded in crab (40%), other pelagic (23%) and shark & Rays (21%) when compared to the previous year.
- The most important species groups landed for the first semester of the year 2019 were carangues (26%), job (12%) and bourgeois (12%) almost similar to the same period, the previous year where the artisanal catches were dominated by carangues (30%), job (11%) and maquereau doux (9%) (Figure 4K).

4.5. Fishing Effort by Vessel Type and Gear Type

- Time series of effort shows that between 2009 and 2012 the handline fishery effort has been on a decreasing trend to reach 35,285 men-days in 2016, followed by an increasing trend to reach 88,902 men-days in 2017. (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).
- For the year 2019, the total effort for handline fishery in terms of men-days is estimated at 80,285 men-days representing a 55 decrease in effort from the estimated 84,940 man-days for

the year 2018. Increase in fishing effort (men-days) were recorded by schooners (13%) and vessel group as 'others' (32%) while a decreased in fishing effort of 23% and 5% were observed by whalers and outboard in the handline fishery respectively.

- The estimated effort for trap fishery decreased by 5% from 140,784 traps sets in 2018 to 133,933 traps set in 2019. A remarkable decrease of 74% was observed in number of traps sets by whalers whilst the number of traps sets by 'other' vessels category increased by 19%. a 11%. The number of traps sets by outboard drop slightly by 4%.
- The net fishery records a 20% increase in fishing effort in the year 2019 when compares to the previous year. A total of 3,112 net were set in 2019 compared to 12,794 net set the previous year.

4.6. Catch Rate by Vessel Type and Gear Type

- Time series of catch rate shows that between 2009 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 over the last 3 years (Figure 4T). Catch rate for net fishery has fluctuated over the last 10 years and (Figure 4U).
- The catch rate for handline fishery increased from 32.2 kg/ men-day in 2018 to an estimated 39.2 kg/ men day in 2019. Increased in handline catch rate were observed by all vessels type when compared to the previous year except for 'other' vessels category where the catch rate decreased from 84.6 kg/ men-day to 48.4 kg/men-day.
- CPUE for the trap fishery is estimated at 4.5 kg/ trap for the year 2019 compared to 3.6 kg/ trap in 2018 with the highest catch rate recorded by outboard where an estimated 4.5 kg/trap.
- The catch rate for net fishery decreases from 251.8 kg/set in 2018 to 216.1 kg/set in 2019 (Table 46).

TABLE 4.1A Mean Number of boats operating per month by Year

(Database Closed on 22/03/21)

Years: 2009- 2019

Vessel Type	Year										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Fishermen on Foot	58	24	26	26	7	4	15	2	0	0	0
Pirogue	15	10	10	9	9	7	7	7	1	1	1
Outboard	310	284	270	283	287	298	305	356	352	358	335
Inboard	2	1	0		1	1	1	1	0	0	0
Whaler	104	97	96	96	99	95	94	94	79	71	71
Schooner	21	22	21	22	20	19	18	13	43	56	49
Semi Industrial Longliner*	1	1	1	2	2	4	5	3	5	9	4
Others	0	0	0	0	0	0	0	0	3	3	8
Annual	511	439	424	438	425	428	445	476	483	498	468

* Semi-industrial longliners conducting artisanal fishing trips

TABLE 4.1B Mean Number of boats operating by Month

(Database Closed on 22/03/21)

Country: SEYCHELLES

Year: 2018

Month	Pirogue	Outboard	Others	Whaler	Schooner	Semi Industrial Longliner*	Total
Jan	0	159	2	34	18	2	215
Feb	1	132	2	22	14	2	173
Mar	1	133	2	29	18	2	185
Apr	0	121	1	24	14	1	161
May	1	120	1	30	24	2	178
Jun	1	128	2	35	19	1	186
Jul	1	109	1	19	10	1	141
Aug	0	147	0	36	23	2	208
Sep	1	132	2	31	23	1	190
Oct	1	166	2	35	28	2	234
Nov	0	186	3	40	40	2	271
Dec	1	146	3	40	36	3	229
Annual	1	140	2	31	22	2	198
Quarter 1	1	141	2	28	17	2	191
Quarter 2	1	123	1	30	19	1	175
Quarter 3	1	129	1	29	19	1	180
Quarter 4	1	166	3	38	35	2	245
First Semester	1	132	2	29	18	2	183
Second Semester	1	148	2	34	27	2	212

* Semi-industrial longliners conducting artisanal fishing trips

Country: SEYCHELLES

Year: 2019

Month	Pirogue	Outboard	Others	Whaler	Schooner	Semi Industrial Longliner*	Total
Jan	0	192	2	41	35	0	270
Feb	0	165	3	43	37	0	248
Mar	1	192	3	56	41	2	295
Apr	1	161	2	46	36	1	247
May	0	169	3	34	33	1	240
Jun	1	142	2	36	25	1	207
Jul	1	124	3	39	29	1	197
Aug	1	112	1	15	13	1	143
Sep	1	107	1	16	20	1	146
Oct	1	97	1	19	17	1	136
Nov	0	100		27	18	2	147
Dec		51	1	26	11	0	89
Annual	1	134	1	33	26	1	197
Quarter 1	0	183	3	47	38	1	271
Quarter 2	1	157	2	39	31	1	231
Quarter 3	1	114	2	23	21	1	162
Quarter 4	1	83	1	24	15	1	124
First Semester	1	170	3	43	35	1	251
Second Semester	1	99	1	24	18	1	143

* Semi-industrial longliners conducting artisanal fishing trips

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

(Database Closed on 22/03/21)

Country: Seychelles

Semester 1, Years 2009 - 2019

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
2009	6.4	25.4	637.6	0.0	817.3	255.8	2.0	1744.6	0%	1%	37%	0%	47%	15%	0%
2010	6.1	4.2	485.0	0.0	581.3	257.2	1.2	1335.0	0%	0%	36%	0%	44%	19%	0%
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	1102.6	38.6	381.9	338.0	28.0	1899.7	0%	1%	58%	2%	20%	18%	1%
2018	0.0	4.7	1353.5	57.3	476.1	312.0	75.6	2279.1	0%	0%	59%	3%	21%	14%	3%
2019	0.0	8.5	1444.6	60.0	573.0	668.0	8.9	2763.0	0%	0%	52%	2%	21%	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 2009 - 2019

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
2009	13.8	8.5	496.7	0.0	619.0	147.9	0.1	1286.0	1%	1%	39%	0%	48%	12%	0%
2010	8.3	11.8	395.0	0.0	659.5	187.0	0.0	1261.6	1%	1%	31%	0%	52%	15%	0%
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	1552.6	47.0	490.6	306.7	46.3	2448.8	0%	0%	63%	2%	20%	13%	2%
2018	0.0	10.9	983.0	56.0	413.2	376.0	75.4	1914.4	0%	1%	51%	3%	22%	20%	4%
2019	0.0	2.5	961.4	19.7	333.4	557.9	33.1	1908.0	0%	0%	50%	1%	17%	29%	2%

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 2009 - 2019

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
2009	20.2	33.9	1134.2	0.0	1436.3	403.8	2.2	3030.6	1%	1%	37%		47%	13%	0%
2010	14.4	16.0	880.0	0.0	1240.8	444.2	1.2	2596.6	1%	1%	34%		48%	17%	0%
2011	10.1	15.2	949.5	0.0	1486.3	386.0	23.9	2871.0	0%	1%	33%		52%	13%	1%
2012	13.2	24.2	1268.2	0.0	770.3	405.0	25.6	2506.4	1%	1%	51%		31%	16%	1%
2013	10.8	43.7	1521.7	0.0	2140.1	379.8	54.2	4150.4	0%	1%	37%		52%	9%	1%
2014	5.8	56.6	1460.2	0.0	1459.2	520.6	130.0	3632.5	0%	2%	40%		40%	14%	4%
2015	2.6	20.5	1450.3	0.0	1293.3	270.0	177.5	3214.2	0%	1%	45%		40%	8%	6%
2016	2.9	12.9	1309.4	0.0	958.7	223.2	8.7	2515.8	0%	1%	52%		38%	9%	0%
2017	0.0	16.1	2655.2	85.7	872.5	644.7	74.3	4348.5	0%	0%	61%		20%	15%	2%
2018	0.0	15.5	2336.5	113.2	889.3	688.0	150.9	4193.5	0%	0%	56%		21%	16%	4%
2019	0.0	11.0	2406.0	79.7	906.4	1225.9	42.1	4671.0	0%	0%	52%		19%	26%	1%

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 22/03/21)

Country: Seychelles Year: 2018

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	0.9	172.5	8.2	80.8	66.1	1.1	329.4	0%	0%	52%	2%	25%	20%	0%
Feb	0.0	6.7	147.0	13.6	126.5	82.0	34.1	409.9	0%	2%	36%	3%	31%	20%	8%
Mar	0.0	1.3	195.1	11.4	51.1	42.8	19.8	321.5	0%	0%	61%	4%	16%	13%	6%
Apr	0.0	0.6	187.7	8.0	84.8	44.0	23.1	348.1	0%	0%	54%	2%	24%	13%	7%
May	0.0	2.0	125.8	8.6	55.7	54.7	0.0	246.8	0%	1%	51%	3%	23%	22%	0%
Jun	0.0	1.2	179.5	3.0	92.9	89.8	9.6	376.0	0%	0%	48%	1%	25%	24%	3%
Jul	0.0	0.0	286.6	8.3	52.1	40.9	18.2	406.0	0%	0%	71%	2%	13%	10%	4%
Aug	0.0	0.5	245.7	6.1	124.5	71.9	9.9	458.6	0%	0%	54%	1%	27%	16%	2%
Sep	0.0	0.0	200.2	21.2	64.7	20.2	0.0	306.4	0%	0%	65%	7%	21%	7%	0%
Oct	0.0	2.4	248.9	10.5	57.2	45.8	14.9	379.7	0%	1%	66%	3%	15%	12%	4%
Nov	0.0	0.0	156.6	0.0	47.5	65.9	6.6	276.6	0%	0%	57%	0%	17%	24%	2%
Dec	0.0	0.0	187.4	14.2	51.8	61.5	13.0	327.9	0%	0%	57%	4%	16%	19%	4%
Annual	0.0	15.5	2332.9	113.1	889.5	685.6	150.1	4186.7	0%	0%	56%	3%	21%	16%	4%
Quarter 1	0.0	8.9	514.6	33.2	258.3	190.9	55.0	1060.8	0%	1%	49%	3%	24%	18%	5%
Quarter 2	0.0	3.8	493.0	19.6	233.4	188.5	32.7	970.8	0%	0%	51%	2%	24%	19%	3%
Quarter 3	0.0	0.5	732.4	35.6	241.4	133.0	28.1	1170.9	0%	0%	63%	3%	21%	11%	2%
Quarter 4	0.0	2.4	592.9	24.7	156.5	173.3	34.4	984.2	0%	0%	60%	3%	16%	18%	3%
First Semester	0.0	12.6	1007.6	52.8	491.7	379.4	87.6	2031.7	0%	1%	50%	3%	24%	19%	4%
Second Semester	0.0	2.9	1325.3	60.3	397.8	306.3	62.5	2155.1	0%	0%	61%	3%	18%	14%	3%

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: 2019

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	97.9	6.6	73.2	137.3	0.0	315.0	0%	0%	31%	2%	23%	44%	0%
FEB	0.0	0.4	204.7	5.2	76.9	96.5	0.0	383.6	0%	0%	53%	1%	20%	25%	0%
MAR	0.0	0.8	179.7	2.1	48.6	58.6	0.0	289.8	0%	0%	62%	1%	17%	20%	0%
APR	0.0	4.2	211.7	9.1	44.8	60.4	0.0	330.2	0%	1%	64%	3%	14%	18%	0%
MAY	0.0	1.0	139.9	1.9	47.0	69.1	3.8	262.7	0%	0%	53%	1%	18%	26%	1%
JUN	0.0	2.6	244.6	7.5	103.6	157.3	6.5	522.1	0%	0%	47%	1%	20%	30%	1%
JUL	0.0	1.7	266.9	22.8	72.3	79.4	0.0	443.2	0%	0%	60%	5%	16%	18%	0%
AUG	0.0	0.0	192.0	17.0	96.2	154.0	0.0	459.2	0%	0%	42%	4%	21%	34%	0%
SEP	0.0	0.0	325.8	5.8	87.7	88.7	0.0	508.0	0%	0%	64%	1%	17%	17%	0%
OCT	0.0	0.0	205.7	5.7	95.1	104.9	0.0	411.4	0%	0%	50%	1%	23%	25%	0%
NOV	0.0	0.4	176.4	1.7	12.7	19.1	0.0	210.3	0%	0%	84%	1%	6%	9%	0%
DEC	0.0	0.0	171.7	1.3	78.5	149.0	13.0	413.4	0%	0%	42%	0%	19%	36%	3%
Annual	0.0	11.0	2417.2	86.6	836.7	1174.2	23.3	4549.0	0%	0%	53%	2%	18%	26%	1%
Quarter 1	0.0	1.2	482.3	13.9	198.7	292.4	0.0	988.4	0%	0%	49%	1%	20%	30%	0%
Quarter 2	0.0	7.8	596.3	18.5	195.4	286.8	10.3	1115.1	0%	1%	53%	2%	18%	26%	1%
Quarter 3	0.0	1.7	784.8	45.6	256.3	322.1	0.0	1410.4	0%	0%	56%	3%	18%	23%	0%
Quarter 4	0.0	0.4	553.8	8.7	186.3	272.9	13.0	1035.1	0%	0%	54%	1%	18%	26%	1%
First Semester	0.0	9.0	1078.5	32.4	394.1	579.2	10.3	2103.5	0%	0%	51%	2%	19%	28%	0%
Second Semester	0.0	2.0	1338.7	54.2	442.6	595.0	13.0	2445.5	0%	0%	55%	2%	18%	24%	1%

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 22/03/21)

Country: Seychelles

Semester 1, Years 2009 - 2019

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*	
2009	5.8	190.8	1.1	15.1	107.2	1343.0	79.6	2.0	1744.6	0%	11%	0%	1%	6%	77%	5%	0%	
2010	5.3	161.4	0.0	25.4	114.5	950.2	76.9	1.2	1335.0	0%	12%	0%	2%	9%	71%	6%	0%	
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	18.6	444.1	0.0	96.1	223.6	1829.7	0.0	62.1	2674.1	1%	17%	0%	4%	8%	68%	0%	2%	

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

Country: Seychelles

Semester 2, Years 2009- 2019

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*	
2009	9.2	135.4	0.0	27.4	151.7	894.5	64.8	3.1	1286.0	1%	11%	0%	2%	12%	70%	5%	0%	
2010	3.5	103.8	0.0	57.3	110.7	922.0	64.3	0.0	1261.6	0%	8%	0%	5%	9%	73%	5%	0%	
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	11.9	228.4	0.0	71.2	211.5	1333.8	0.0	17.9	1874.8	1%	12%	0%	4%	11%	71%	0%	1%	

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

Country: Seychelles

Years : 2009- 2019

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*
2009	15.0	326.1	1.1	42.5	258.8	2237.5	144.4	5.1	3030.6	0%	11%	0%	1%	9%	74%	5%	0%
2010	8.8	265.2	0.0	82.7	225.2	1872.2	141.2	1.2	2596.6	0%	10%	0%	3%	9%	72%	5%	0%
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	30.5	672.5	0.0	167.3	435.0	3163.5	0.0	80.1	4549.0	1%	15%	0%	4%	10%	70%	0%	2%

*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 22/03/21)

Country: Seychelles Year: 2018

Month	Catch (Mt)								Catch (%)						
	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	Total	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Handline& Traps	Others*
Jan	10.2	54.8	12.7	36.4	192.3	0.0	0.0	306.4	3%	18%	4%	12%	63%	0%	0%
Feb	6.0	101.6	10.9	28.0	223.8	0.0	9.6	379.7	2%	27%	3%	7%	59%	0%	3%
Mar	2.5	43.8	8.6	23.3	295.1	0.0	2.7	375.9	1%	12%	2%	6%	78%	0%	1%
Apr	4.7	143.5	19.5	14.3	224.0	0.0	0.0	406.0	1%	35%	5%	4%	55%	0%	0%
May	2.0	45.3	2.1	42.8	352.4	0.0	14.1	458.6	0%	10%	0%	9%	77%	0%	3%
Jun	1.0	40.4	10.9	24.8	248.0	0.0	23.1	348.1	0%	12%	3%	7%	71%	0%	7%
Jul	0.1	20.7	8.5	26.4	354.2	0.0	0.0	409.9	0%	5%	2%	6%	86%	0%	0%
Aug	0.1	20.6	17.6	32.0	203.6	0.0	2.7	276.6	0%	7%	6%	12%	74%	0%	1%
Sep	1.5	52.5	10.5	21.2	161.1	0.0	0.0	246.8	1%	21%	4%	9%	65%	0%	0%
Oct	1.1	73.5	14.0	39.8	165.2	0.0	28.0	321.5	0%	23%	4%	12%	51%	0%	9%
Nov	0.7	56.3	11.4	34.5	179.4	0.0	45.5	327.9	0%	17%	3%	11%	55%	0%	14%
Dec	1.3	50.5	18.4	35.2	217.9	0.0	6.3	329.4	0%	15%	6%	11%	66%	0%	2%
Annual	31.0	703.5	145.0	358.6	2816.8	0.0	131.8	4186.7	1%	17%	3%	9%	67%	0%	3%
Quarter 1	18.7	200.3	32.1	87.7	711.1	0.0	12.2	1062.1	2%	19%	3%	8%	67%	0%	1%
Quarter 2	7.6	229.2	32.5	81.9	824.4	0.0	37.2	1212.7	1%	19%	3%	7%	68%	0%	3%
Quarter 3	1.6	93.8	36.6	79.7	718.9	0.0	2.7	933.3	0%	10%	4%	9%	77%	0%	0%
Quarter 4	3.1	180.3	43.8	109.4	562.4	0.0	79.7	978.8	0%	18%	4%	11%	57%	0%	8%
First Semester	26.3	429.4	64.6	169.5	1535.5	0.0	49.4	2274.7	1%	19%	3%	7%	68%	0%	2%
Second Semester	4.7	274.1	80.4	189.1	1281.3	0.0	82.4	1912.0	0%	14%	4%	10%	67%	0%	4%

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

Country: Seychelles Year: 2019

Month	Catch (Mt)								Catch (%)						
	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	Total	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Handline& Traps	Others*
JAN	4.1	87.1	58.6	28.1	316.9	0.0	13.1	508.0	1%	17%	12%	6%	62%	0%	3%
FEB	0.9	87.2	9.3	33.5	276.5	0.0	3.9	411.4	0%	21%	2%	8%	67%	0%	1%
MAR	4.3	65.9	3.2	45.0	367.4	0.0	36.3	522.1	1%	13%	1%	9%	70%	0%	7%
APR	2.6	49.1	7.7	45.0	334.3	0.0	4.5	443.2	1%	11%	2%	10%	75%	0%	1%
MAY	4.1	67.4	6.9	33.3	343.3	0.0	4.3	459.2	1%	15%	1%	7%	75%	0%	1%
JUN	2.7	87.3	10.4	38.6	191.2	0.0	0.0	330.2	1%	26%	3%	12%	58%	0%	0%
JUL	0.4	78.9	17.6	16.1	270.6	0.0	0.0	383.6	0%	21%	5%	4%	71%	0%	0%
AUG	0.7	75.9	7.4	13.0	113.3	0.0	0.0	210.3	0%	36%	4%	6%	54%	0%	0%
SEP	3.8	12.4	7.8	37.3	197.6	0.0	3.8	262.7	1%	5%	3%	14%	75%	0%	1%
OCT	1.2	38.3	4.9	77.5	167.5	0.0	0.5	289.8	0%	13%	2%	27%	58%	0%	0%
NOV	3.7	22.8	5.2	48.7	325.8	0.0	7.2	413.4	1%	6%	1%	12%	79%	0%	2%
DEC	2.1	0.1	28.3	19.0	259.0	0.0	6.5	315.0	1%	0%	9%	6%	82%	0%	2%
Annual	30.5	672.5	167.3	435.1	3163.5	0.0	80.1	4548.9	1%	15%	4%	10%	70%	0%	2%
Quarter 1	9.2	240.3	71.1	106.6	960.9	0.0	53.4	1441.5	1%	17%	5%	7%	67%	0%	4%
Quarter 2	9.4	203.8	25.0	117.0	868.8	0.0	8.8	1232.6	1%	17%	2%	9%	70%	0%	1%
Quarter 3	4.9	167.2	32.8	66.4	581.5	0.0	3.8	856.7	1%	20%	4%	8%	68%	0%	0%
Quarter 4	7.0	61.2	38.4	145.1	752.3	0.0	14.1	1018.2	1%	6%	4%	14%	74%	0%	1%
First Semester	18.6	444.1	96.1	223.6	1829.7	0.0	62.1	2674.1	1%	17%	4%	8%	68%	0%	2%
Second Semester	11.9	228.4	71.2	211.5	1333.8	0.0	17.9	1874.8	1%	12%	4%	11%	71%	0%	1%

*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 22/03/21)

Country: Seychelles**Semester 1, Years 2009 - 2019**

Species	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CARANGUES	325.5	386.8	237.4	253.1	593.3	443.7	371.5	452.9	474.5	762.8	682.6
MAQUEREAU DOUX	87.0	104.6	178.7	234.5	154.8	189.6	152.5	145.8	148.2	231.7	244.3
OTHER MAQUEREAU	100.5	17.9	1.8	121.7	44.8	125.5	68.4	57.4	104.6	43.8	53.7
BONITE	105.0	20.5	30.6	33.8	69.1	42.4	71.5	47.0	91.5	84.1	89.2
OTHER PELAGICS	8.5	22.6	5.2	8.2	30.7	17.4	41.7	7.7	40.3	28.3	57.7
BECUNE	44.7	32.8	29.9	19.6	50.3	81.6	74.3	63.5	85.6	112.0	99.2
CORDONIER	78.8	103.8	147.4	102.7	76.4	97.1	96.4	155.3	118.0	123.0	161.7
OTHER TRAP FISH	69.3	63.8	69.1	73.5	74.1	73.7	59.9	43.1	98.6	74.6	125.7
RED SNAPPER	64.2	51.1	35.0	36.0	58.9	100.5	24.1	26.3	66.7	77.2	117.1
BOURGEOIS	347.8	178.1	327.7	105.7	211.0	168.0	95.6	149.8	151.2	182.4	315.8
JOB	303.6	202.5	167.4	116.2	231.6	241.0	176.2	137.5	194.4	240.0	332.1
MACONDE	14.2	15.5	40.0	22.4	15.3	33.8	27.4	26.2	36.3	42.3	63.9
OTHER VIELLE	42.6	26.4	31.4	24.6	28.9	90.4	38.8	20.1	52.2	77.6	91.8
CAPITAINE	96.0	54.7	97.8	63.3	98.0	98.4	65.6	52.5	159.7	117.3	145.3
SHARKS & RAYS	10.4	4.2	12.5	12.0	15.1	26.9	16.7	12.4	18.9	25.7	13.8
OCTOPUS	6.3	6.0	4.1	8.6	11.9	15.7	6.9	6.1	22.2	26.4	20.4
OTHERS	40.2	37.3	35.6	45.4	47.4	138.7	38.0	57.2	27.8	9.3	15.8
CRAB	0.0	6.3	2.1	2.2	0.1	31.0	15.2	12.4	12.9	16.0	43.9
Annual	1744.6	1335.0	1453.3	1283.5	1811.5	2015.4	1440.6	1473.3	1903.6	2274.7	2674.1

Country: Seychelles**Semester 2, Years 2009 - 2019**

Species	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CARANGUES	212.6	288.4	591.1	294.9	760.7	383.4	459.3	280.1	882.6	485.8	490.1
MAQUEREAU DOUX	1.8	69.8	40.3	234.5	365.9	201.1	377.9	74.6	161.2	130.0	183.4
OTHER MAQUEREAU	119.1	11.2	35.7	72.7	96.8	110.4	70.6	72.1	88.2	34.4	10.0
BONITE	47.1	27.5	54.8	36.6	145.6	29.7	32.1	28.7	125.2	40.5	26.1
OTHER PELAGICS	14.7	13.5	11.0	8.7	42.6	13.9	74.5	10.6	78.8	90.8	34.6
BECUNE	45.0	20.7	11.6	25.2	55.0	33.0	55.9	60.7	73.5	84.8	73.7
CORDONIER	143.1	150.8	100.2	78.8	121.2	140.6	119.6	145.9	136.6	102.2	145.9
OTHER TRAP FISH	58.7	44.1	63.3	68.0	98.9	68.5	36.1	42.2	103.2	128.3	116.3
RED SNAPPER	35.5	25.5	31.3	22.1	45.7	59.0	67.1	26.6	78.6	102.2	63.5
BOURGEOIS	170.7	306.7	109.1	104.6	136.5	89.2	120.0	50.6	137.9	115.0	231.0
JOB	207.8	151.4	235.3	83.2	188.4	187.8	184.2	100.2	237.7	218.2	209.2
MACONDE	13.5	15.1	11.1	11.7	21.8	27.6	9.5	19.8	33.7	52.4	50.0
OTHER VIELLE	12.9	20.9	18.2	21.3	32.1	88.9	49.8	14.5	45.3	57.3	61.7
CAPITAINE	123.0	42.4	54.6	79.9	118.5	80.7	53.7	64.9	150.1	158.7	119.8
SHARKS & RAYS	29.8	16.4	14.4	21.9	21.2	21.8	9.9	18.6	14.8	15.9	19.1
OCTOPUS	11.8	3.8	7.7	4.2	12.8	7.8	8.2	4.7	11.9	5.2	12.6
OTHERS	36.1	44.7	23.4	49.0	65.4	46.8	35.6	5.6	78.9	16.2	17.7
CRAB	2.9	8.7	4.5	5.7	9.9	27.0	9.6	21.9	14.5	74.2	10.0
Annual	1286.0	1261.6	1417.6	1222.9	2338.8	1617.1	1773.6	1042.5	2452.6	1912.0	1874.8

Country: Seychelles

Years: 2009 - 2019

Species	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CARANGUES	538.1	675.2	828.5	548.0	1354.0	827.1	830.8	733.0	1357.0	1248.6	1172.7
MAQUEREAU DOUX	88.7	174.3	219.0	469.0	520.7	390.7	530.4	220.4	309.4	361.6	427.7
OTHER MAQUEREAU	219.6	29.1	37.5	194.4	141.6	236.0	139.0	129.5	192.8	78.2	63.7
BONITE	152.1	48.0	85.3	70.4	214.7	72.1	103.6	75.7	216.7	124.6	115.3
OTHER PELAGICS	23.3	36.1	16.2	16.8	73.2	31.3	116.2	18.3	119.1	119.1	92.3
BECUNE	89.7	53.4	41.5	44.8	105.3	114.6	130.2	124.2	159.1	196.8	172.9
CORDONIER	221.9	254.6	247.5	181.4	197.6	237.7	215.9	301.3	254.6	225.3	307.6
OTHER TRAP FISH	128.0	108.0	132.3	141.5	173.0	142.3	96.0	85.3	201.8	202.9	242.0
RED SNAPPER	99.7	76.6	66.3	58.1	104.6	159.5	91.2	53.0	145.3	179.4	180.6
BOURGEOIS	518.5	484.8	436.9	210.2	347.6	257.2	215.7	200.4	289.1	297.5	546.8
JOB	511.3	353.9	402.7	199.4	420.0	428.8	360.4	237.7	432.1	458.2	541.4
MACONDE	27.7	30.6	51.1	34.2	37.0	61.4	36.9	46.0	70.1	94.7	113.9
OTHER VIELLE	55.5	47.3	49.6	45.8	60.9	179.4	88.6	34.7	97.5	134.9	153.5
CAPITAINE	219.1	97.1	152.4	143.2	216.5	179.1	119.3	117.4	309.8	276.0	265.1
SHARKS & RAYS	40.2	20.7	26.9	34.0	36.3	48.7	26.6	31.0	33.7	41.7	32.9
OCTOPUS	18.1	9.8	11.7	12.8	24.6	23.4	15.1	10.8	34.0	31.6	33.0
OTHERS	76.3	82.0	59.0	94.4	112.7	185.5	73.6	62.8	106.7	25.5	33.6
CRAB	2.9	15.0	6.6	8.0	9.9	58.0	24.8	34.3	27.4	90.2	53.9
Annual	3030.6	2596.6	2871.0	2506.4	4150.4	3632.5	3214.2	2515.8	4356.2	4186.7	4548.9

TABLE 4.4A Monthly Catch Statistics for Artisanal Fishery by Species

(Database Closed on 22/03/21)

Country: Seychelles
Year: 2018

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	81.8	115.2	90.3	94.7	237.2	143.7	167.4	64.5	64.0	28.0	59.9	102.1	1248.6	30%	287.3	475.5	295.8	190.0	762.8	485.8
MAQUEREAU DOUX	30.6	45.3	26.4	106.3	9.5	13.5	4.0	1.2	2.2	61.9	26.4	34.2	361.6	9%	102.3	129.3	7.4	122.6	231.7	130.0
OTHER MAQUEREAU	1.2	2.5	4.4	8.7	6.5	20.5	0.6	0.7	0.9	5.5	18.2	8.5	78.2	2%	8.1	35.7	2.2	32.3	43.8	34.4
BONITE	7.1	3.9	6.9	18.4	32.9	15.0	11.0	8.2	5.3	1.3	8.4	6.4	124.6	3%	17.9	66.2	24.4	16.1	84.1	40.5
OTHER PELAGICS	3.9	5.4	9.1	4.4	2.4	3.1	17.3	20.9	16.6	16.7	11.3	7.9	119.1	3%	18.4	9.9	54.8	35.9	28.3	90.8
BECUNE	31.6	16.7	19.8	15.7	10.9	17.3	23.6	12.1	11.1	13.8	11.1	13.0	196.8	5%	68.1	43.9	46.8	37.9	112.0	84.8
CORDONIER	21.8	24.2	16.3	16.5	31.1	13.2	12.4	11.6	9.2	21.1	20.8	27.3	225.3	5%	62.3	60.8	33.1	69.1	123.0	102.2
OTHER TRAP FISH	16.3	11.1	11.6	11.7	10.5	13.5	14.7	40.6	14.8	24.6	15.6	18.0	202.9	5%	39.0	35.6	70.2	58.1	74.6	128.3
RED SNAPPER	4.3	17.2	16.3	13.0	12.2	14.2	32.9	21.0	21.3	14.0	6.6	6.4	179.4	4%	37.8	39.4	75.2	27.1	77.2	102.2
BOURGEOIS	15.8	42.0	44.0	42.1	30.5	8.0	10.2	14.8	10.9	23.3	26.4	29.4	297.5	7%	101.8	80.7	35.9	79.2	182.4	115.0
JOB	33.7	40.8	64.1	29.9	31.0	40.5	60.5	31.7	48.2	26.7	24.1	27.1	458.2	11%	138.6	101.5	140.4	77.8	240.0	218.2
MACONDE	6.2	8.8	8.8	7.4	4.2	6.9	5.7	5.4	6.9	11.4	12.1	10.8	94.6	2%	23.8	18.5	18.0	34.4	42.3	52.4
OTHER VIELLE	6.4	14.4	20.9	13.8	9.9	12.2	20.6	11.1	4.0	8.8	8.5	4.3	134.9	3%	41.7	35.9	35.8	21.6	77.6	57.3
CAPITAINE	30.5	19.3	18.3	14.8	13.8	20.7	25.1	26.2	17.3	39.1	28.3	22.8	276.0	7%	68.1	49.3	68.6	90.1	117.3	158.7
SHARKS & RAYS	2.4	1.4	14.9	2.6	1.2	3.3	1.9	1.2	7.6	2.3	1.4	1.5	41.7	1%	18.7	7.1	10.7	5.3	25.7	15.9
OCTOPUS	10.3	6.0	2.6	4.7	2.0	1.0	0.5	0.1	1.5	1.1	0.7	1.3	31.6	1%	18.8	7.6	2.1	3.1	26.4	5.2
OTHERS	2.5	1.1	1.5	1.4	1.3	1.5	1.6	3.0	5.1	1.9	2.6	2.1	25.5	1%	5.1	4.2	9.7	6.5	9.3	16.2
CRAB	0.0	4.5	0.0	0.0	11.6	0.0	0.0	2.3	0.0	20.1	45.5	6.3	90.2	2%	4.5	11.6	2.3	71.9	16.0	74.2
Annual	306.4	379.7	376.0	406.0	458.6	348.1	409.9	276.6	246.8	321.5	327.9	329.4	4186.7	100%	1062.1	1212.7	933.3	978.8	2274.7	1912.0

Country: Seychelles
Year: 2019

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	111.6	74.4	112.8	106.6	173.0	104.3	101.9	21.4	64.2	61.2	114.6	126.8	1172.7	26%	298.7	383.9	187.5	302.6	682.6	490.1
MAQUEREAU DOUX	10.4	75.3	28.7	36.6	49.6	43.8	71.5	73.4	10.5	18.2	9.7	0.1	427.7	9%	114.4	130.0	155.4	28.0	244.3	183.4
OTHER MAQUEREAU	17.0	8.5	16.4	5.5	4.1	2.4	0.7	0.3	0.2	8.0	0.9		63.7	1%	41.8	11.9	1.1	8.9	53.7	10.0
BONITE	10.1	11.2	22.5	24.7	16.3	4.4	4.0	7.4	1.2	2.8	6.3	4.5	115.3	3%	43.9	45.3	12.5	13.6	89.2	26.1
OTHER PELAGICS	10.4	8.9	8.9	7.3	17.2	4.8	13.6	2.7	4.2	2.9	5.7	5.5	92.3	2%	28.3	29.4	20.5	14.1	57.7	34.6
BECUNE	27.7	19.4	13.7	14.8	11.8	12.0	9.4	8.7	10.0	16.8	14.9	13.9	172.9	4%	60.7	38.5	28.2	45.5	99.2	73.7
CORDONIER	51.8	25.2	25.3	24.5	14.9	20.0	17.4	8.4	20.6	36.6	32.6	30.3	307.6	7%	102.4	59.4	46.4	99.5	161.7	145.9
OTHER TRAP FISH	38.4	12.9	16.8	17.9	15.6	24.1	22.5	16.0	18.7	28.0	16.7	14.4	242.0	5%	68.2	57.6	57.3	59.1	125.7	116.3
RED SNAPPER	27.0	26.0	32.0	13.1	10.6	8.4	7.7	6.8	9.1	5.8	24.0	10.0	180.7	4%	85.0	32.1	23.7	39.8	117.1	63.5
BOURGEOIS	62.8	50.7	82.2	67.8	30.7	21.6	22.9	6.6	35.9	53.1	73.8	38.6	546.8	12%	195.7	120.1	65.5	165.5	315.8	231.0
JOB	49.9	52.1	72.8	51.7	70.4	35.3	60.7	24.4	28.6	18.4	49.6	27.6	541.4	12%	174.8	157.4	113.7	95.6	332.1	209.2
MACONDE	16.6	7.6	11.4	14.3	8.2	5.9	6.8	6.6	12.5	3.9	11.2	9.0	113.9	3%	35.6	28.3	25.9	24.1	63.9	50.0
OTHER VIELLE	12.9	13.6	22.6	21.7	9.9	11.1	14.5	3.3	13.9	8.6	13.8	7.6	153.5	3%	49.1	42.7	31.7	30.0	91.8	61.7
CAPITAINE	33.9	20.2	20.3	25.2	19.4	26.4	24.8	17.0	24.6	18.0	20.2	15.2	265.1	6%	74.3	71.0	66.3	53.5	145.3	119.8
SHARKS & RAYS	7.0	2.3	2.2	0.9	0.8	0.6	3.0	4.4	2.1	0.8	7.4	1.4	32.9	1%	11.5	2.3	9.5	9.7	13.8	19.1
OCTOPUS	4.7	1.4	5.2	2.7	4.0	2.4	0.5	0.6	4.1	1.2	3.9	2.3	33.0	1%	11.3	9.1	5.2	7.4	20.4	12.6
OTHERS	2.6	1.8	2.2	3.7	2.9	2.7	1.8	2.3	2.3	5.4	4.6	1.3	33.6	1%	6.5	9.3	6.4	11.3	15.9	17.7
CRAB	13.1	0.0	26.3	4.5	0.0	0.0	0.0	0.0	0.0	0.0	3.5	6.5	53.9	1%	39.4	4.5	0.0	10.0	43.9	10.0
Annual	508.0	411.4	522.1	443.2	459.2	330.2	383.6	210.3	262.7	289.8	413.4	315.0	4549.0	100%	1441.5	1232.6	856.7	1018.2	2674.1	1874.8

TABLE 4.5 Time Series of Effort Statistics for Artisanal Fishery by Vessel and Gear Type
(Database Closed on 22/03/21)

Country: SEYCHELLES

Semester 1, Years 2009- 2019

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
2009	519	7709	11821	4013	0	24062	186	1458	44506	151	0	46300	34	1086	1119
2010	0	4647	11741	4638	0	21026	338	255	41841	0	0	42434	54	699	752
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	13999	15012	15290	653	45002	0	0	73705	304	706	74715	42	1500	1542
2018	0	14998	15231	11031	718	41978	0	0	61801	423		62224	40	1661	1701
2019	0	16600	12038	15457	1032	45127	0	0	66283	362	506	67151	41	2023	2064

Country: SEYCHELLES

Semester 2, Years 2009 - 2019

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
2009	75	6061	10667	3739	0	20542	1310	1611	55471	165	0	58557	90	536	626
2010	205	3756	17041	4125	0	25127	2875	1733	48148	0	0	52756	70	564	634
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	15400	15025	12750	725	43901	0	0	71781	686	840	73307	34	1728	1762
2018	0	16145	13949	12250	618	42962	0	0	77060	1025	475	78560	41	1052	1093
2019	0	13026	10484	10917	730	35158	0	0	66702	20	60	66782	36	1012	1048

Country: SEYCHELLES

Years: 2009 - 2019

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
2009	593	13770	22488	7752	0	44603	1495	3069	99976	316	0	104857	123	1622	1745
2010	205	8403	28782	8763	0	46153	3213	1989	89989	0	0	95191	124	1262	1386
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	29626	22523	26374	1762	80285	0	0	132985	382	566	133933	77	3035	3112

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

(Database Closed on 13/03/17)

Country: SEYCHELLES
Year: 2018

Month	Outboard	Whaler	Schooner Effort (Mendays)	Others	Total	Outboard	Whaler	Others	Total	Pirogue	Net Fishery	
											Effort (Traps)	Outboard Effort (Sets)
Jan	2900	2179	1329	160	6567	10740	353	0	11093	0	238	238
Feb	2494	2405	1462	106	6467	8234	0	0	8234	17	162	179
Mar	2091	2723	2211	116	7141	8253	0	0	8253	6	220	226
Apr	2356	2538	1909	130	6933	8187	0	0	8187	0	679	679
May	2698	2613	2438	100	7849	13980	0	0	13980	8	151	159
Jun	2459	2774	1682	106	7021	12407	70	0	12477	9	211	220
Jul	3311	2476	2019	120	7926	12856	217	0	13073	17	75	92
Aug	3026	2449	2180	0	7655	15594	190	0	15784	0	114	114
Sep	2097	1902	1874	96	5969	10381	161	0	10542	4	188	192
Oct	2785	2466	1803	126	7181	13493	12	0	13505	13	182	195
Nov	2753	2439	2391	123	7706	11991	217	204	12412	0	284	284
Dec	2172	2216	1984	153	6525	12745	228	271	13244	7	209	216
Annual	31143	29180	23281	1336	84940	138861	1448	475	140784	81	2713	2794
Quarter 1	7485	7306	5002	382	20175	27227	353	0	27580	23	620	643
Quarter 2	7513	7925	6029	336	21803	34574	70	0	34644	17	1041	1058
Quarter 3	8434	6827	6072	216	21550	38831	568	0	39399	21	377	398
Quarter 4	7710	7121	6178	402	21412	38229	457	475	39161	20	675	695
First Semester	14998	15231	11031	718	41978	61801	423	0	62224	40	1661	1701
Second Semester	16145	13949	12250	618	42962	77060	1025	475	78560	41	1052	1093

Country: SEYCHELLES
Year: 2019

Month	Outboard	Whaler	Schooner Effort (Mendays)	Others	Total	Outboard	Whaler	Others	Total	Pirogue	Net Fishery	
											Effort (Traps)	Outboard Effort (Sets)
Jan	3279	1947	2407	112	7745	11610	46	205	11656	0	476	476
Feb	2546	1967	2667	109	7289	9154	188	185	9342	0	445	445
Mar	2949	2508	2696	146	8299	11547	8	116	11555	5	378	383
Apr	3419	2154	2541	202	8315	11368	0	0	11368	13	197	210
May	2426	1836	3371	274	7906	11501	8	0	11509	0	354	354
Jun	1980	1627	1776	190	5572	11103	112	0	11215	23	173	196
Jul	3055	2196	1981	205	7437	8765	20	60	8785	6	392	398
Aug	2375	734	563	112	3784	6954	0	0	6954	4	211	215
Sep	2291	1507	2093	109	5999	10285	0	0	10285	13	60	73
Oct	1389	2129	2104	87	5709	19509	0	0	19509	13	208	221
Nov	2354	2249	2562	75	7239	11618	0	0	11618	0	138	138
Dec	1562	1671	1613	143	4989	9571	0	0	9571	0	3	3
Annual	29626	22523	26374	1762	80285	132985	382	566	133367	77	3035	3112
Quarter 1	8774	6422	7770	367	23333	32311	242	506	32553	5	1299	1304
Quarter 2	7825	5616	7687	665	21794	33972	120	0	34092	36	724	760
Quarter 3	7721	4436	4637	426	17220	26004	20	60	26024	23	663	686
Quarter 4	5305	6048	6279	305	17937	40698	0	0	40698	13	349	362
First Semester	16600	12038	15457	1032	45127	66283	362	506	66645	41	2023	2064
Second Semester	13026	10484	10917	730	35158	66702	20	60	66722	36	1012	1048

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

(Database Closed on 22/03/21)

Country: SEYCHELLES

Semester 1, Years: 2009 - 2019

Month	Pirogue	Handline Fishery CPUE (kg/Men day)				Total	Fishermen on foot	Pirogue	Trap Fishery CPUE (kg/ Trap)			Total	Net Fishery CPUE (kg/Set)		Total
		Outboard	Whaler	Schooner	Others				Outboard	Whaler	Others		Pirogue	Outboard	
2009	32.3	43.3	69.0	63.8	0.0	59.1	3.3	4.5	4.3	8.5	0.0	4.4	182.4	171.1	171.5
2010	0.0	40.6	49.5	55.5	0.0	48.8	2.3	3.4	5.1	0.0	0.0	5.1	61.4	226.3	214.5
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	41.5	38.1	64.7	40.5	0.0	0.0	4.8	0.0	2.1	4.8	207.1	215.3	215.2

Country: SEYCHELLES

Semester 2, Years: 2009- 2019

Month	Pirogue	Handline Fishery CPUE (kg/Men day)				Total	Fishermen on foot	Pirogue	Trap Fishery CPUE (kg/ Trap)			Total	Net Fishery CPUE (kg/Set)		Total
		Outboard	Whaler	Schooner	Others				Outboard	Whaler	Others		Pirogue	Outboard	
2009	7.5	32.5	57.8	38.8	0.0	46.7	3.5	2.5	4.2	12.5	0.0	4.2	50.6	244.1	216.3
2010	7.8	36.8	38.7	45.3	0.0	39.3	1.7	3.3	4.6	0.0	0.0	4.4	75.0	174.9	163.8
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	34.2	31.3	48.4	25.4	37.6	0.0	0.0	4.2	0.0	3.8	4.2	69.4	223.2	217.9

Country: SEYCHELLES

Years: 2009 - 2019

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
2009	29.2	38.5	63.7	51.7	0.0	53.4	3.5	3.4	4.3	10.6	0.0	4.3	86.4	195.2	187.6
2010	7.8	38.9	43.1	50.7	0.0	43.6	1.7	3.3	4.9	0.0	0.0	4.7	69.1	203.3	191.3
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	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	3.5	8.7	0.0	3.6	191.4	253.6	251.8
2019	0.0	37.8	36.7	42.4	48.4	39.2	0	0	4.5	0.0	2.2	4.5	142.7	218.0	216.1

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

(Database Closed on 22/03/21)

Country: SEYCHELLES

Year: 2018

Month	Outboard	Whaler	Schooner	Others	Total	Outboard	Whaler	Others	Total	Net Fishery		
										Pirogue	Outboard	Total
											CPUE (kg/Set)	
Jan	31.1	27.9	15.2	132.8	29.3	4.2	11.3	0.0	4.4	0.0	230.4	230.4
Feb	42.0	23.8	28.3	99.1	33.1	4.7	0.0	0.0	4.7	139.4	612.7	567.8
Mar	49.8	34.1	39.9	26.0	40.4	3.7	0.0	0.0	3.7	205.0	193.5	193.8
Apr	44.4	20.5	21.4	63.7	29.7	4.1	0.0	0.0	4.1	0.0	211.4	211.4
May	57.1	47.6	24.8	61.2	44.0	3.2	0.0	0.0	3.2	62.5	296.4	284.6
Jun	45.3	30.5	26.1	75.1	35.3	2.9	3.1	0.0	2.9	61.1	188.8	183.6
Jul	30.1	50.3	40.6	113.6	40.4	2.6	8.4	0.0	2.7	394.7	186.5	225.0
Aug	29.2	18.4	29.2	0.0	25.7	3.0	12.7	0.0	3.1	0.0	180.8	180.8
Sep	20.4	28.9	29.2	88.7	27.0	3.0	4.0	0.0	3.0	500.0	268.7	273.5
Oct	24.5	20.6	19.2	90.5	23.0	4.0	19.2	0.0	4.0	96.2	397.0	377.0
Nov	31.3	20.6	11.5	115.4	23.1	3.7	7.5	0.0	3.7	0.0	198.3	198.3
Dec	32.1	35.7	30.1	53.7	33.2	4.1	7.5	0.0	4.0	127.1	237.2	233.6
Annual	36.1	30.1	26.5	84.6	32.2	3.5	8.7	0.0	3.6	191.4	253.6	251.8
Quarter 1	40.0	28.9	29.9	90.9	34.4	4.2	11.3	0.0	4.3	156.5	317.2	311.4
Quarter 2	49.3	33.0	24.1	66.6	36.6	3.3	3.1	0.0	3.3	61.8	219.1	216.6
Quarter 3	27.4	32.9	33.0	102.5	31.5	2.9	8.6	0.0	3.0	414.8	225.8	235.7
Quarter 4	29.1	25.3	19.7	84.1	26.1	3.9	7.8	0.0	3.9	107.0	263.9	259.4
First Semester	44.6	31.0	26.7	79.5	35.6	3.7	9.9	0.0	3.7	116.3	255.7	252.5
Second Semester	28.2	29.0	26.3	90.5	28.8	3.4	8.2	0.0	3.4	264.6	250.3	250.8

Country: SEYCHELLES

Year: 2019

Month	Outboard	Whaler	Schooner	Others	Total	Outboard	Whaler	Others	Total	Net Fishery		
										Pirogue	Outboard	Total
											CPUE (kg/Set)	
Jan	45.3	45.1	31.4	45.2	40.9	7.4	0.0	3.5	7.3	0.0	183.0	183.0
Feb	29.4	48.3	37.9	52.4	37.9	4.7	0.0	0.0	4.5	0.0	196.0	196.0
Mar	43.8	41.3	47.3	49.4	44.3	4.1	0.0	2.8	4.1	520.0	167.5	172.1
Apr	48.0	33.6	29.5	112.9	40.2	4.6	0.0	0.0	4.6	129.2	240.9	234.0
May	33.1	52.4	44.4	62.0	43.4	3.5	0.0	0.0	3.5	0.0	190.3	190.3
Jun	38.8	27.6	34.0	47.8	34.3	4.4	0.0	0.0	4.4	183.0	480.5	445.6
Jul	30.2	35.0	48.7	24.1	36.4	3.8	0.0	3.8	3.8	61.7	200.4	198.3
Aug	33.6	17.3	33.9	15.4	30.0	2.9	0.0	0.0	2.9	87.5	358.0	353.0
Sep	34.7	31.2	33.0	17.5	32.9	4.4	0.0	0.0	4.4	75.4	190.3	169.9
Oct	41.9	22.8	27.8	24.2	29.3	4.2	0.0	0.0	4.2	61.5	180.1	173.1
Nov	37.3	33.6	57.9	16.8	43.2	4.6	0.0	0.0	4.6	0.0	165.0	165.0
Dec	31.0	40.0	85.1	46.2	51.9	4.9	0.0	0.0	4.9	0.0	46.7	46.7
Annual	37.8	36.7	42.4	48.4	39.2	4.5	0.0	2.2	4.5	142.7	218.0	216.1
Quarter 1	40.2	44.6	39.1	49.0	41.2	5.5	0.0	2.1	5.4	520.0	182.9	184.2
Quarter 2	41.1	38.0	37.1	73.4	39.9	4.2	0.0	0.0	4.2	163.6	273.4	268.2
Quarter 3	32.6	30.8	39.8	20.1	33.8	3.8	0.0	3.8	3.8	73.9	249.7	243.8
Quarter 4	36.6	31.6	54.8	32.7	41.2	4.5	0.0	0.0	4.5	61.5	173.0	169.0
First Semester	40.6	41.5	38.1	64.7	40.5	4.8	0.0	2.1	4.8	207.1	215.3	215.2
Second Semester	34.2	31.3	48.4	25.4	37.6	4.2	0.0	3.8	4.2	69.4	223.2	217.9

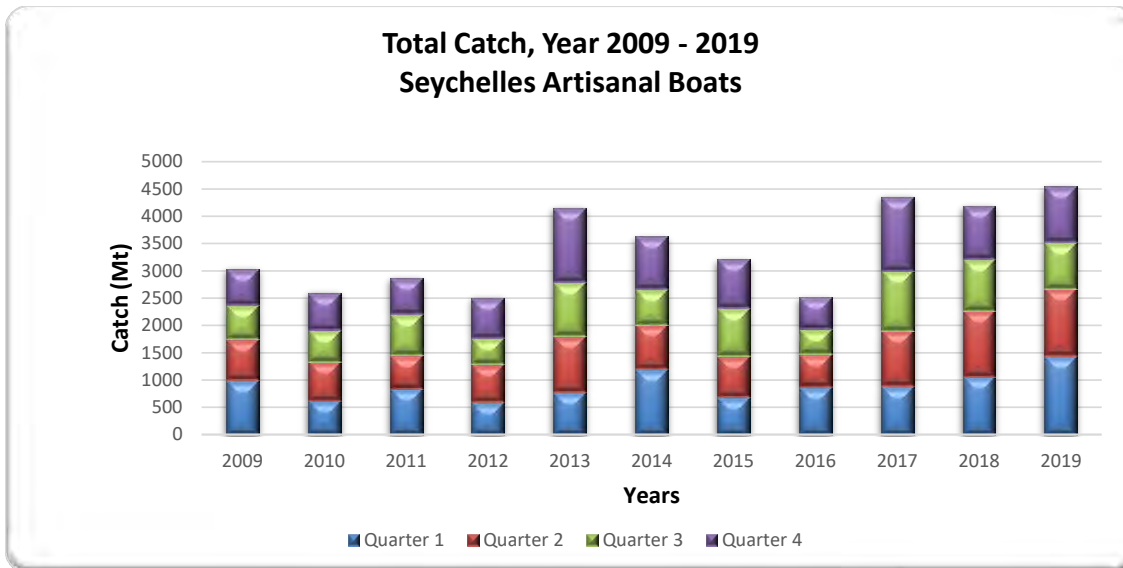


Figure 4A: Artisanal fishery Total Catch, Years 2009 - 2019

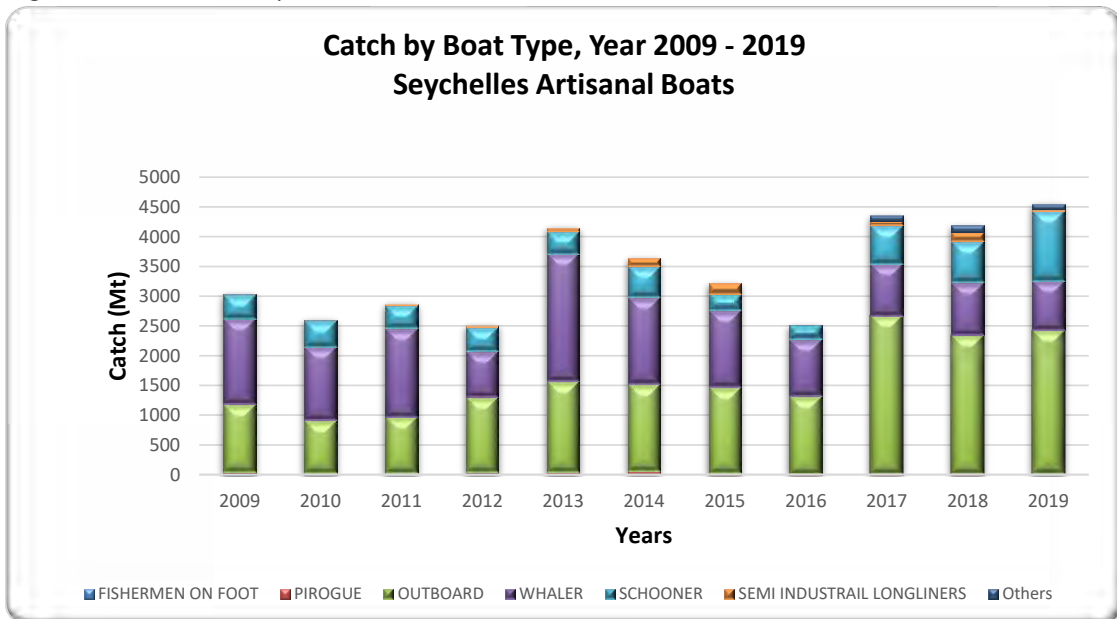


Figure 4B: Artisanal fishery Catch by Vessel Type, Years 2009 - 2019

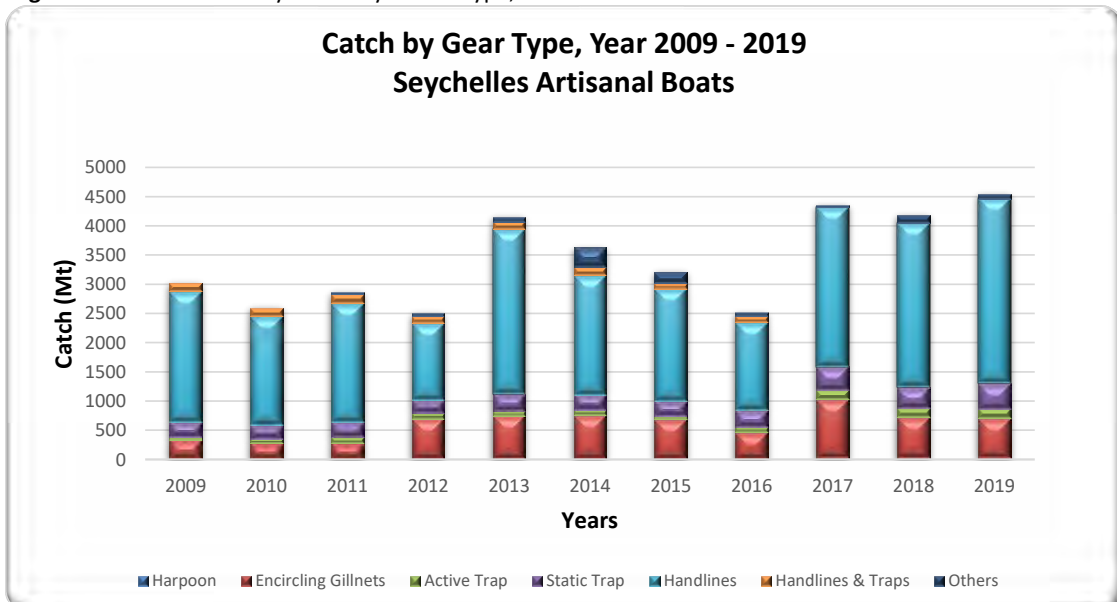


Figure 4C: Artisanal fishery Catch by Gear Type, Years 2009 - 2019

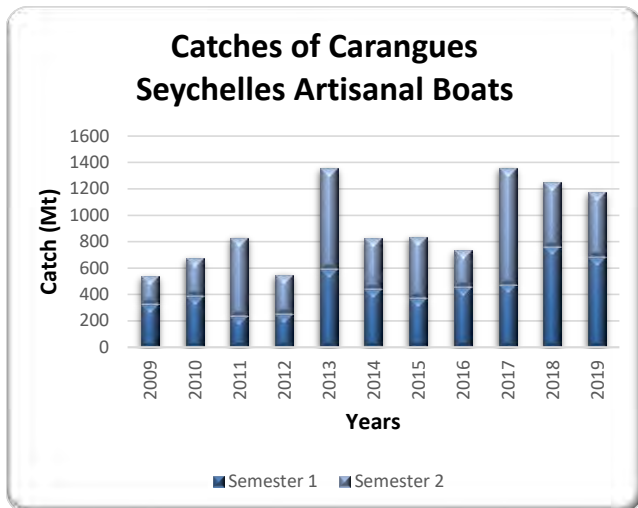


Figure 4D: Catches of Carangues, Years 2009-2019

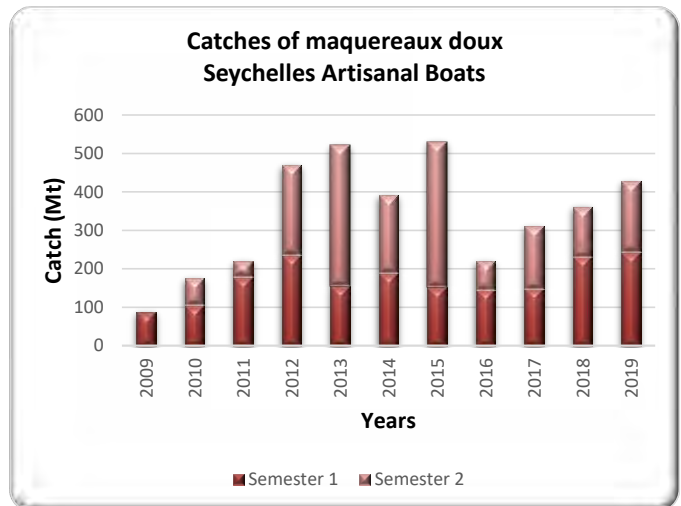


Figure 4E: Catches of Maquereau doux, Years 2009-2019

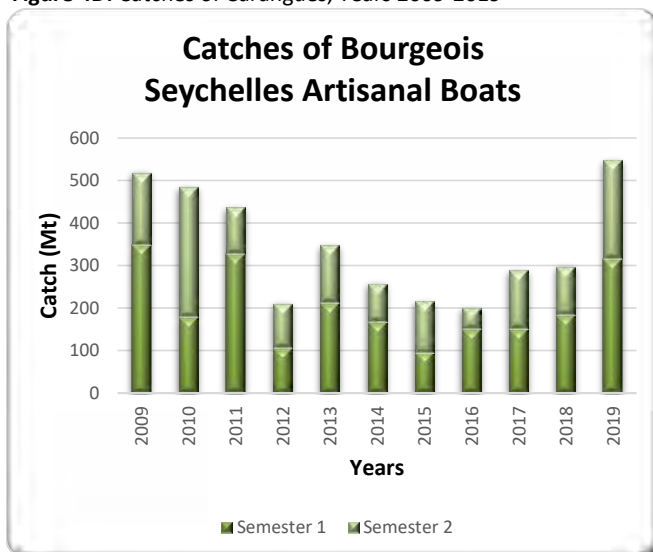


Figure 4F: Catches of bourgeois, Years 2009-2019

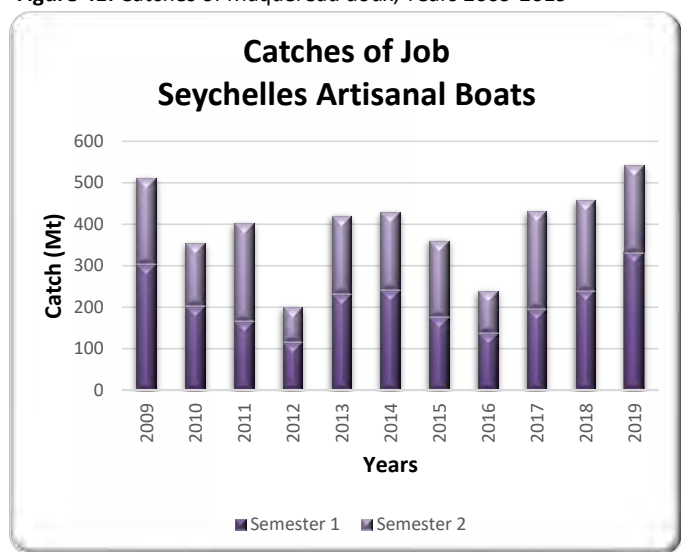


Figure 4G: Catches of job, Years 2009-2019

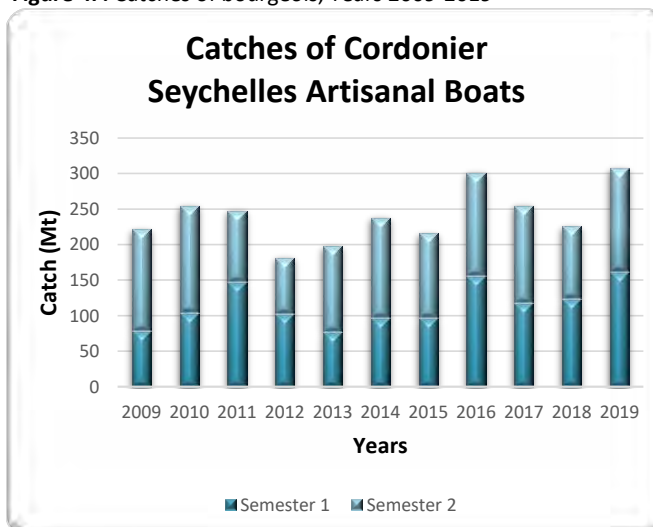


Figure 4H: Catches of cordonier, Years 2009-2019

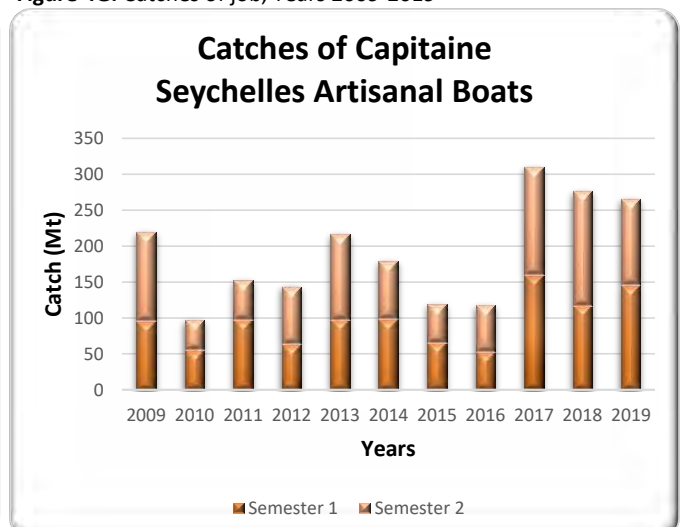


Figure 4I: Catches of capitaine, Years 2009-2019

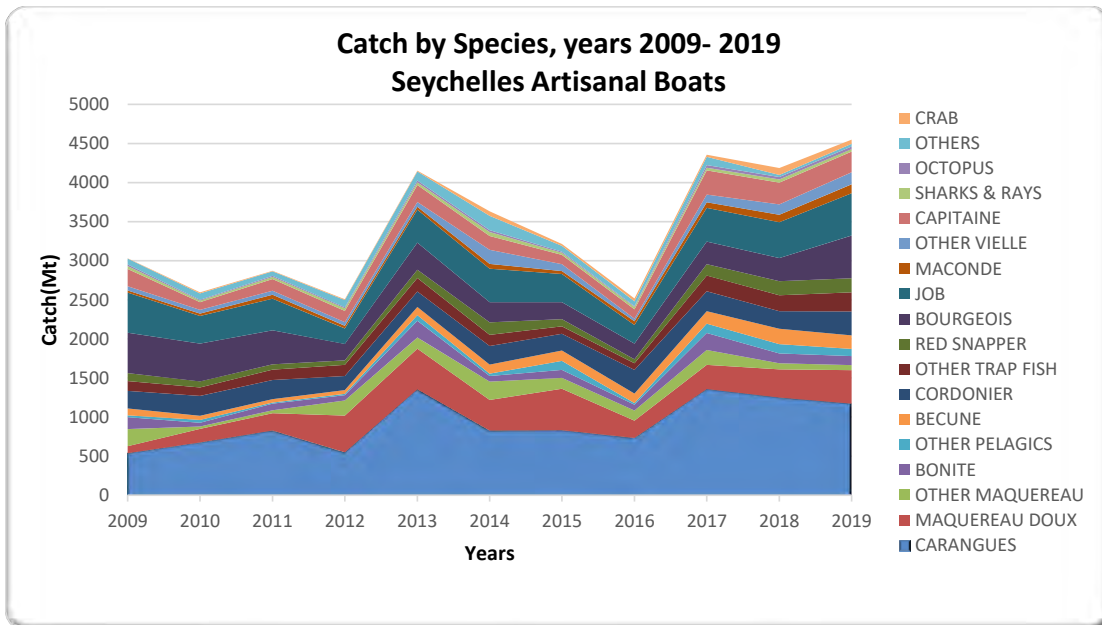


Figure 4J: Artisanal fishery Catch by Species, Years 2009- 2019

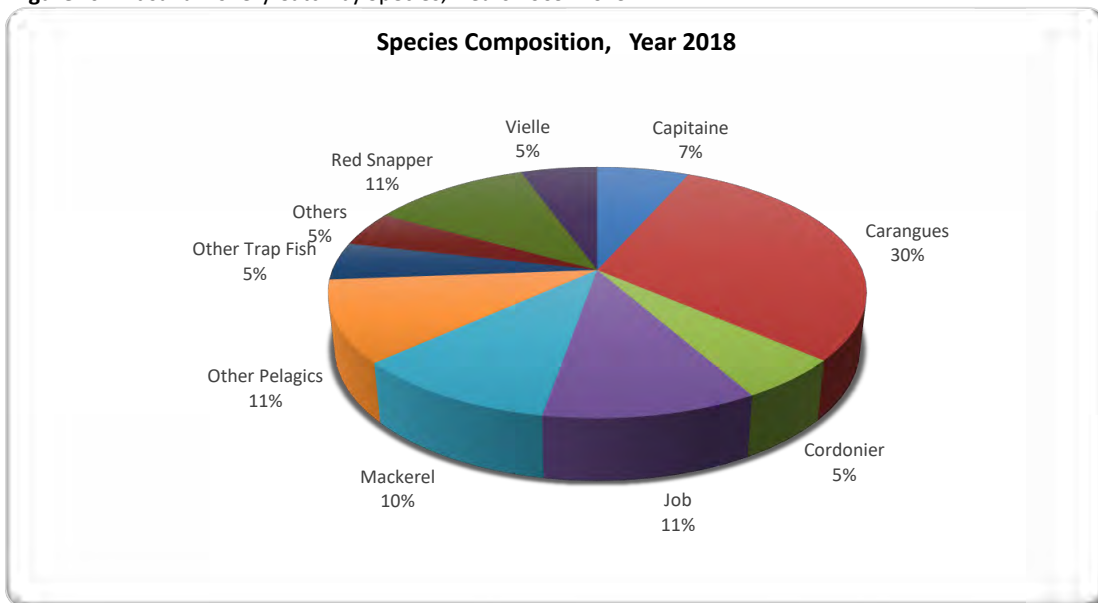


Figure 4K: Artisanal fishery Species composition of catches, Year 2018

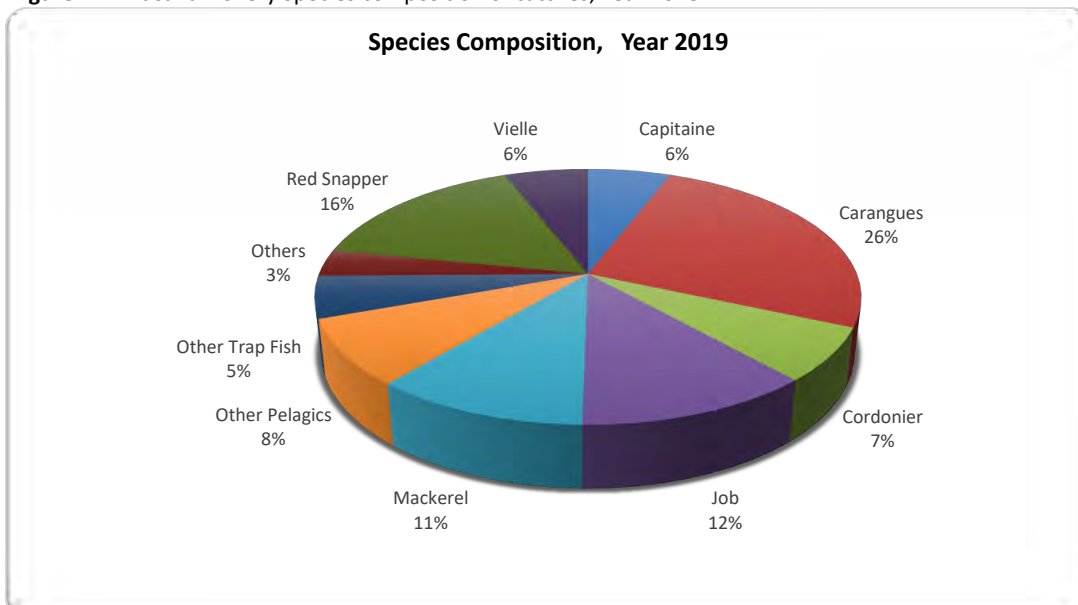


Figure 4L: Artisanal fishery Species composition of catches, Year 2019

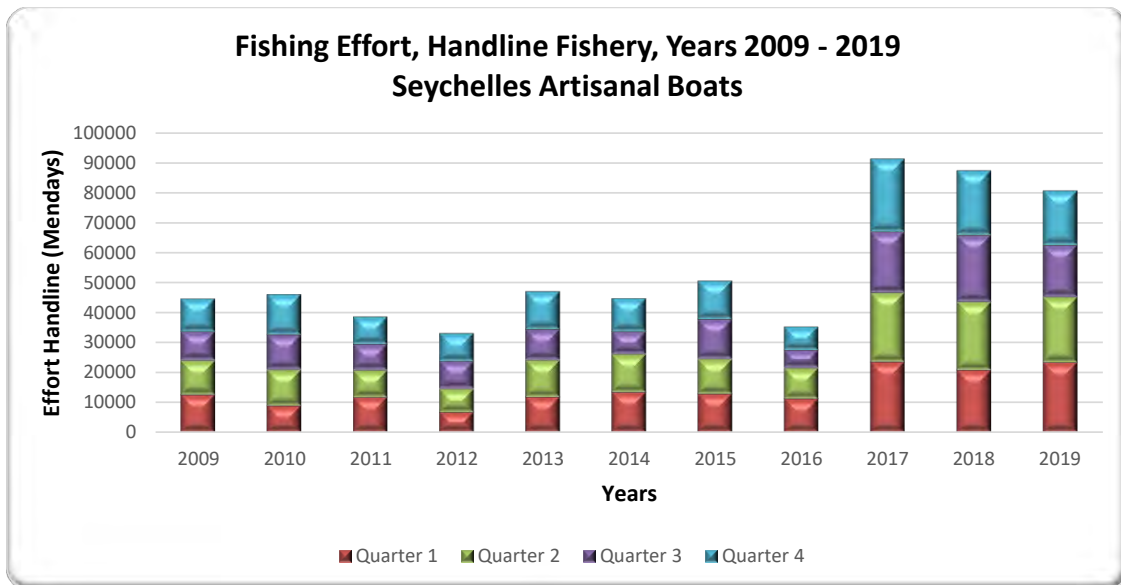


Figure 4M: Artisanal handline fishery, fishing effort, Years 2009 - 2019

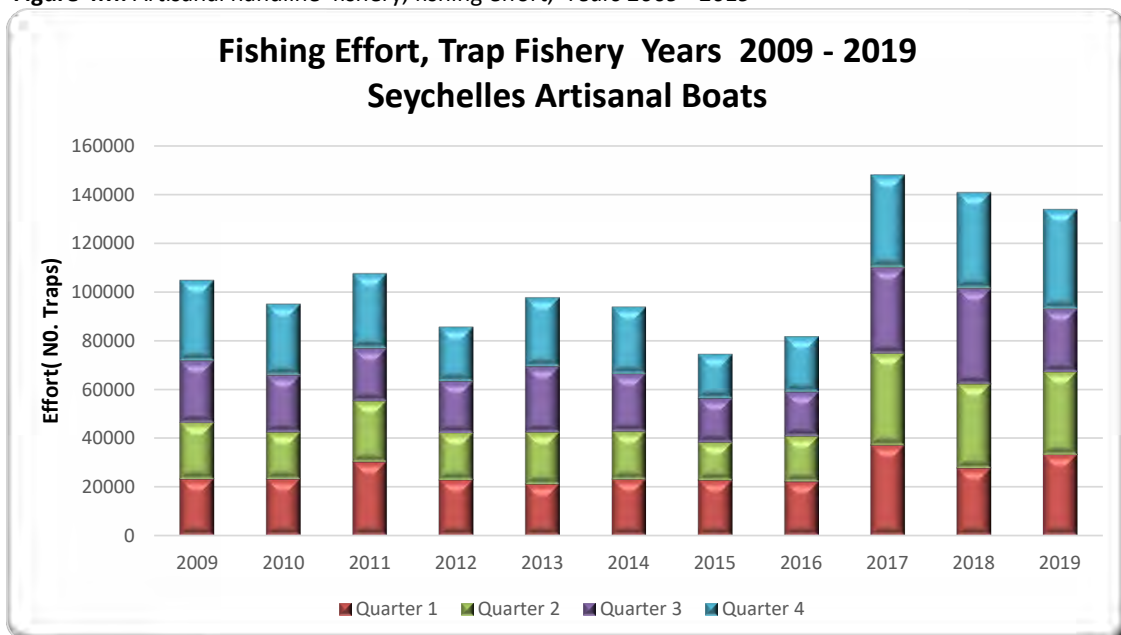


Figure 4N: Artisanal trap fishery, fishing effort, Years 2009 - 2019

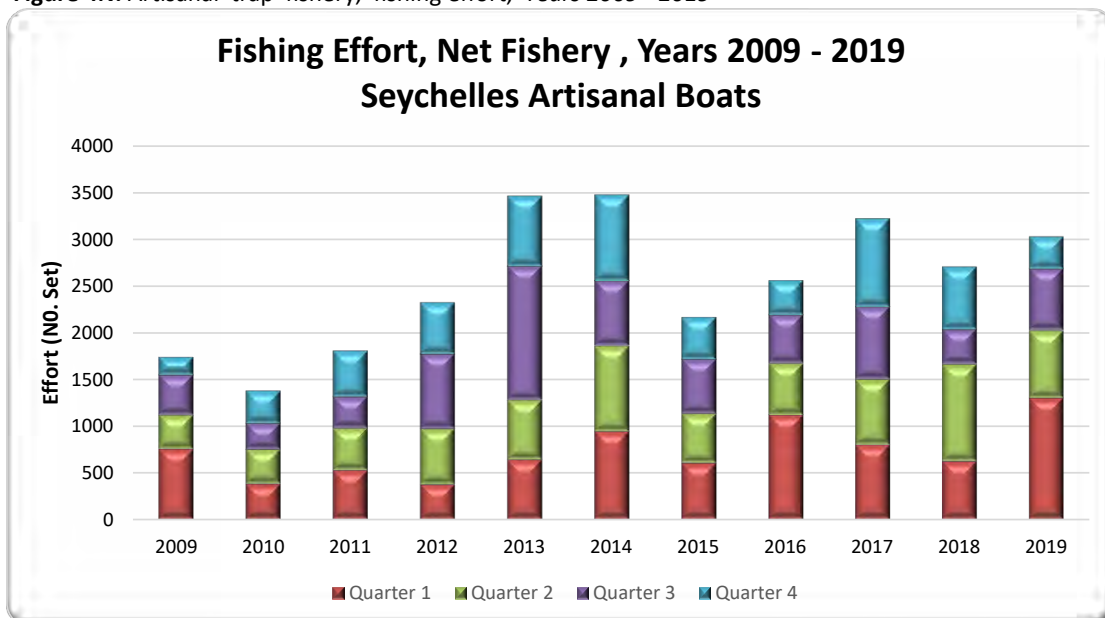


Figure 4O: Artisanal net fishery, fishing effort, Years 2009 - 2019

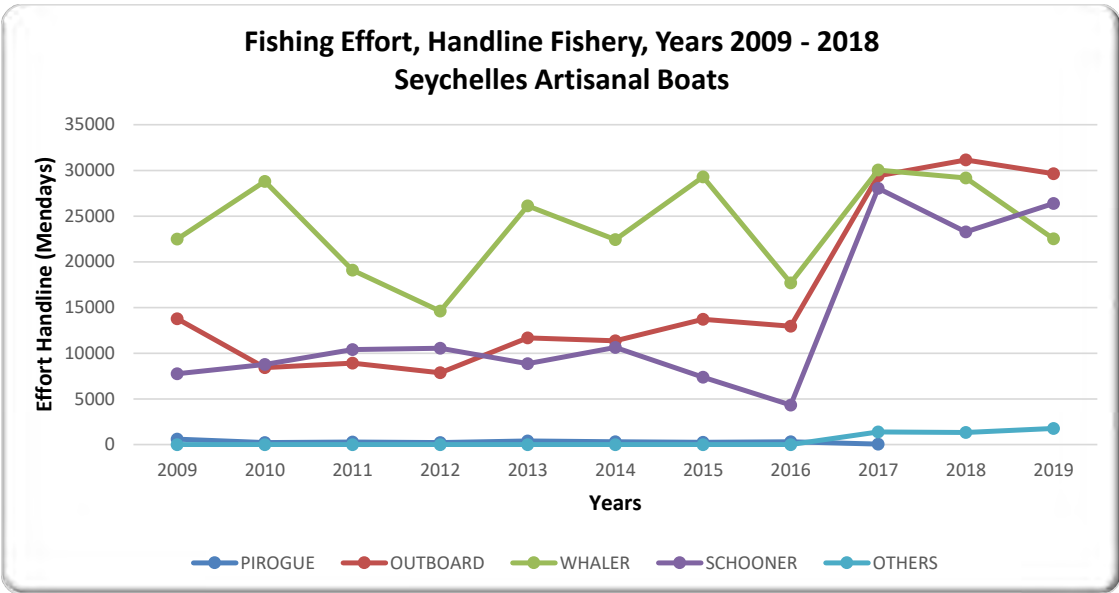


Figure 4P: Artisanal handline fishery, fishing effort by vessel type, Years 2009 - 2019

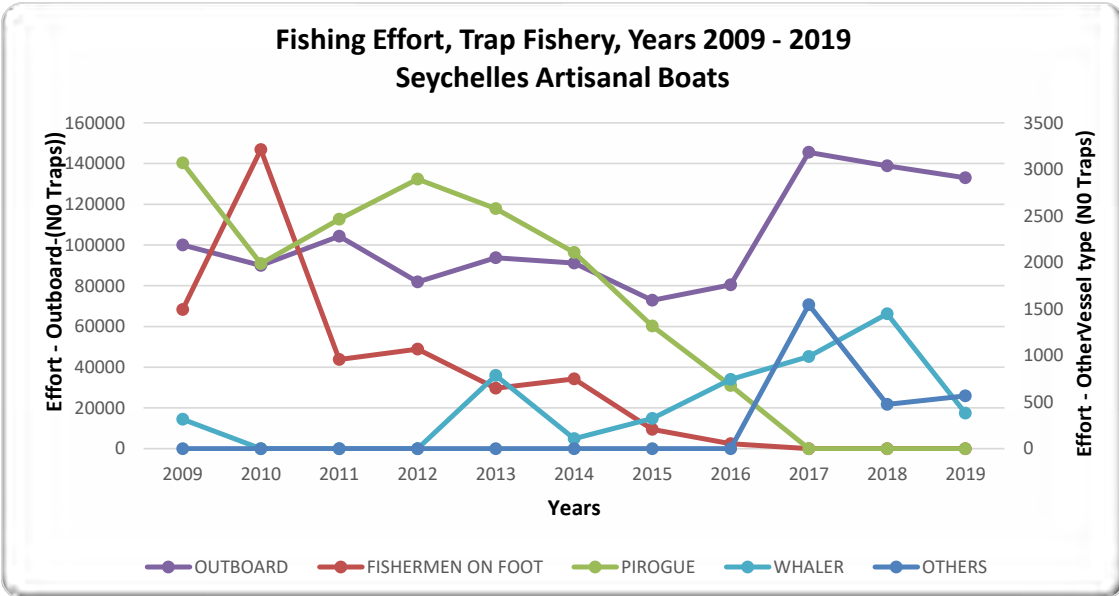


Figure 4Q: Artisanal trap fishery, fishing effort by vessel type, Years 2009 - 2019

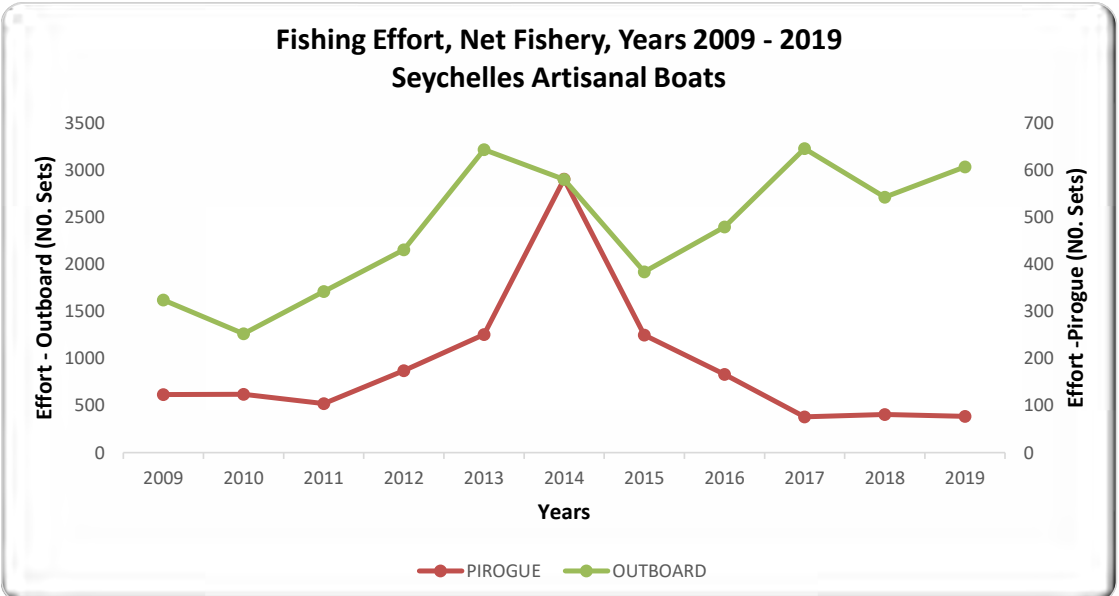


Figure 4R: Artisanal net fishery, fishing effort by vessel Type, Years 2009 - 2019

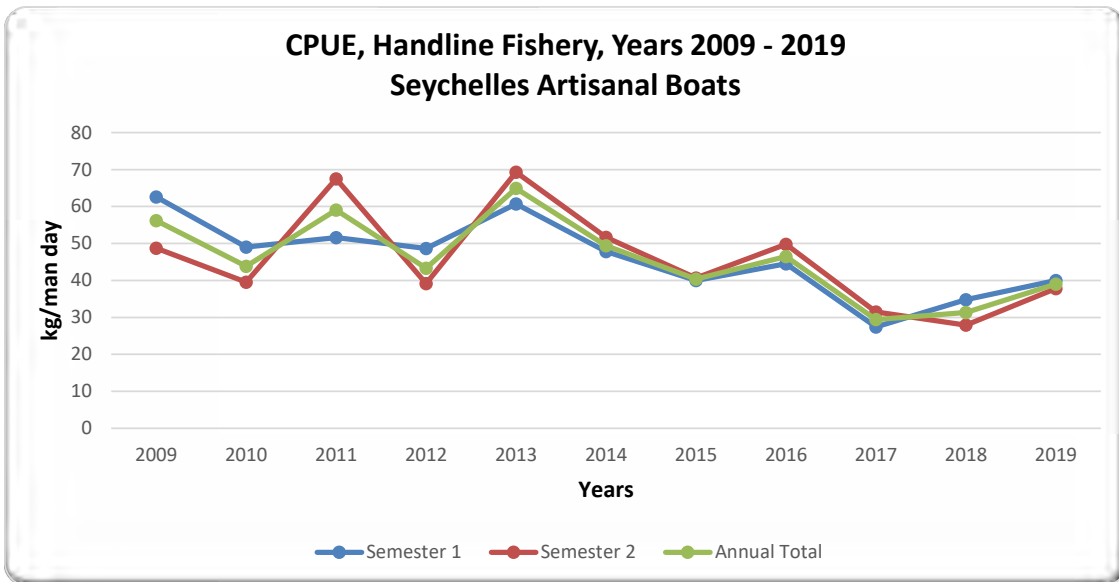


Figure 4S: Artisanal handline fishery CPUE, Years 2009 - 2019

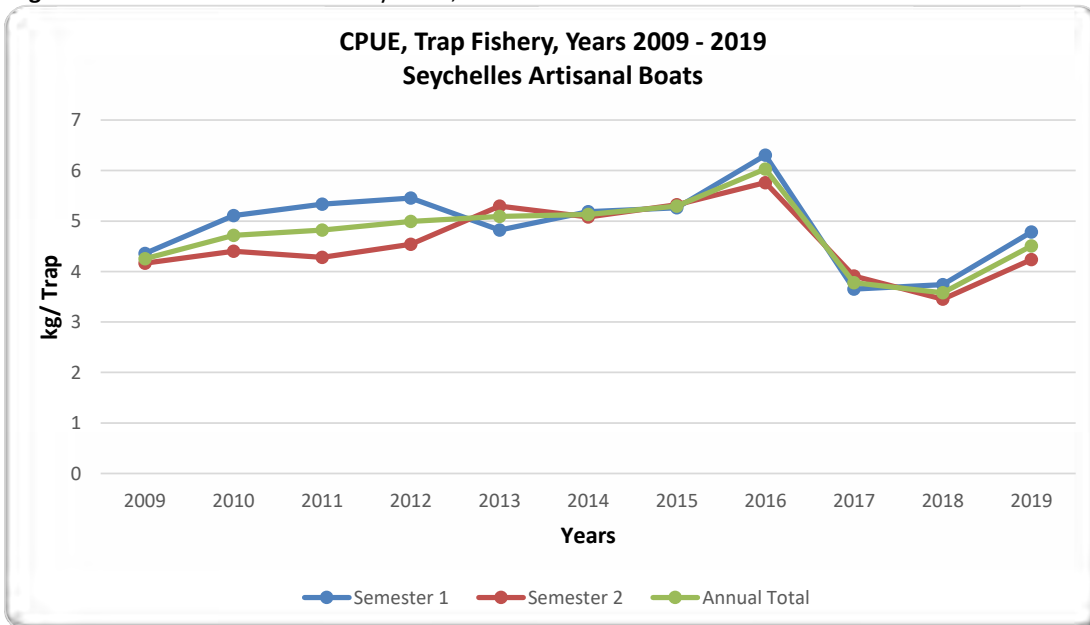


Figure 4T: Artisanal trap fishery CPUE, Years 2009 - 2019

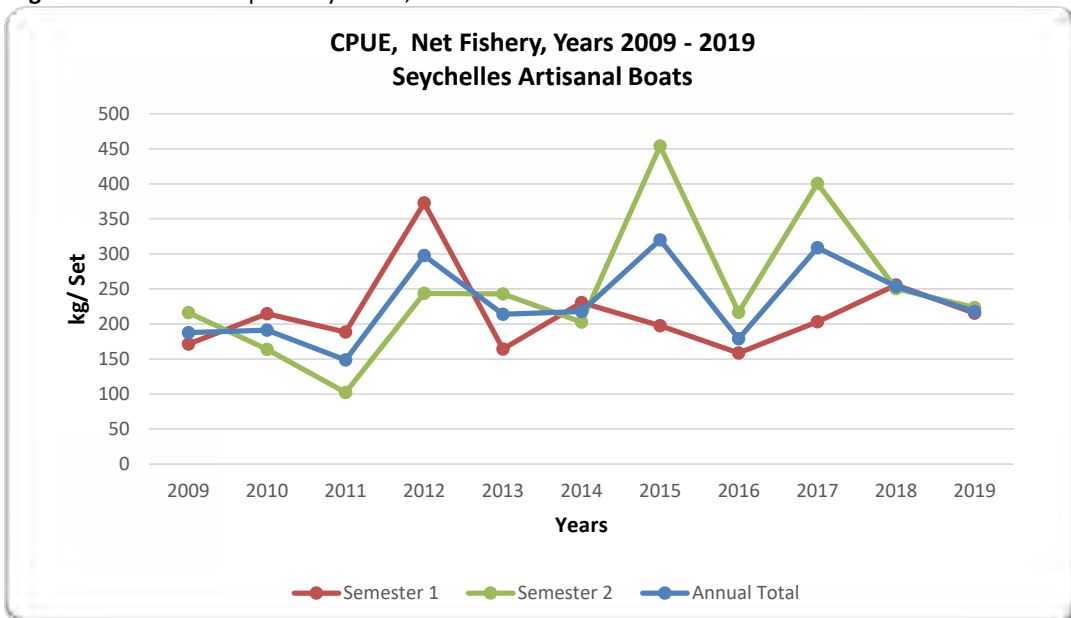


Figure 4U: Artisanal net fishery CPUE, Years 2009 - 2019

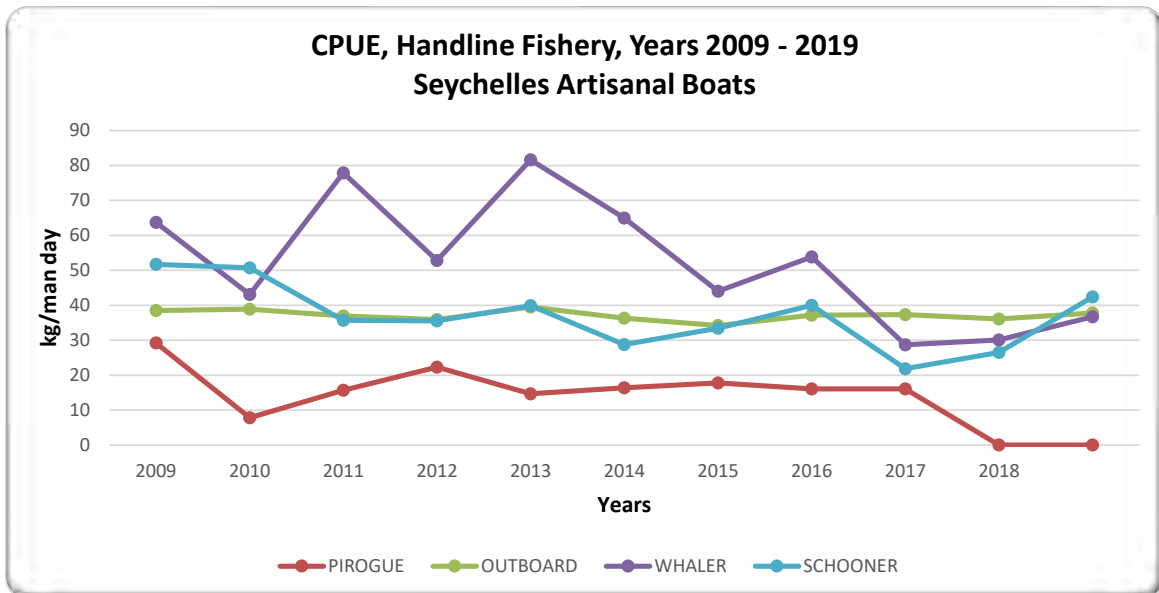


Figure 4V: Artisanal handline fishery CPUE by vessel Type, Years 2009 - 2019

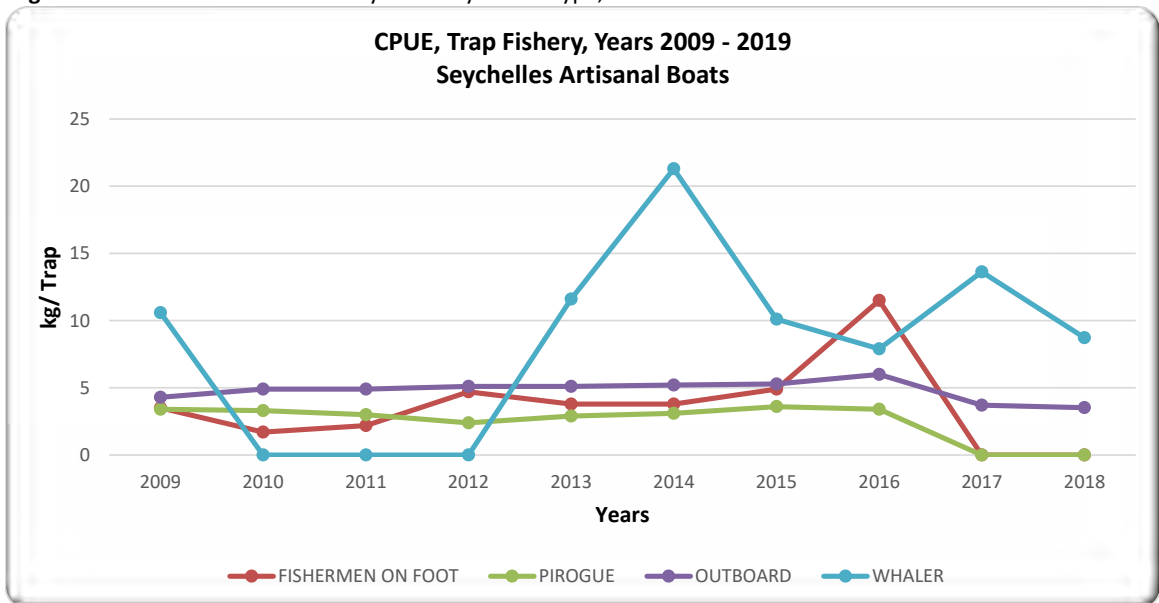


Figure 4W: Artisanal trap fishery CPUE by vessel type, Years 2009 - 2019

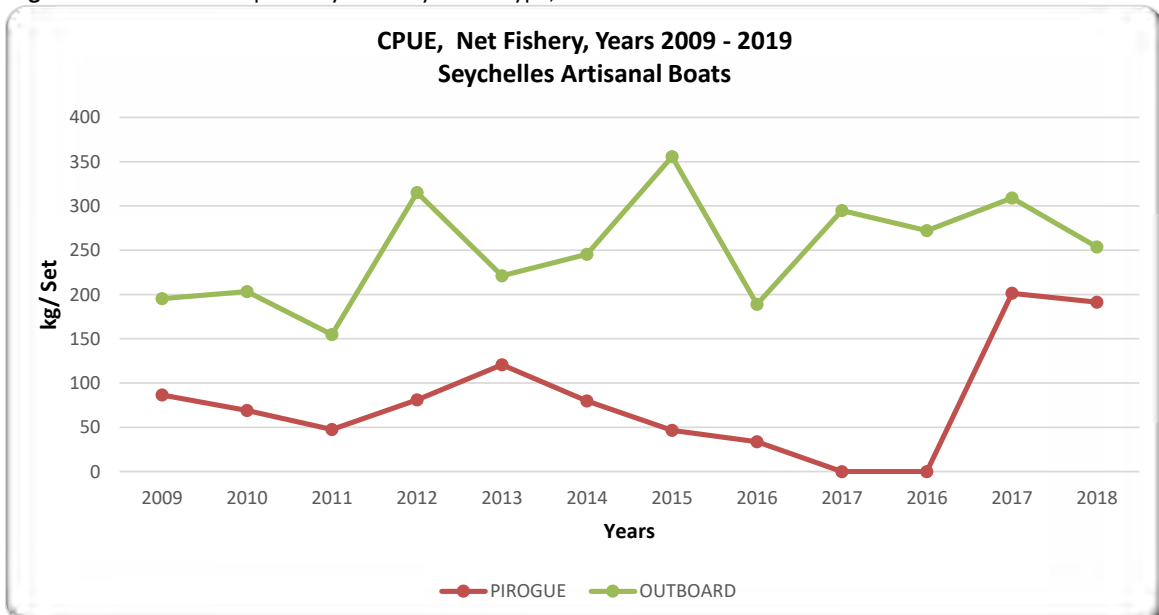


Figure 4X: Artisanal net fishery CPUE by vessel Type, Years 2009 - 2019