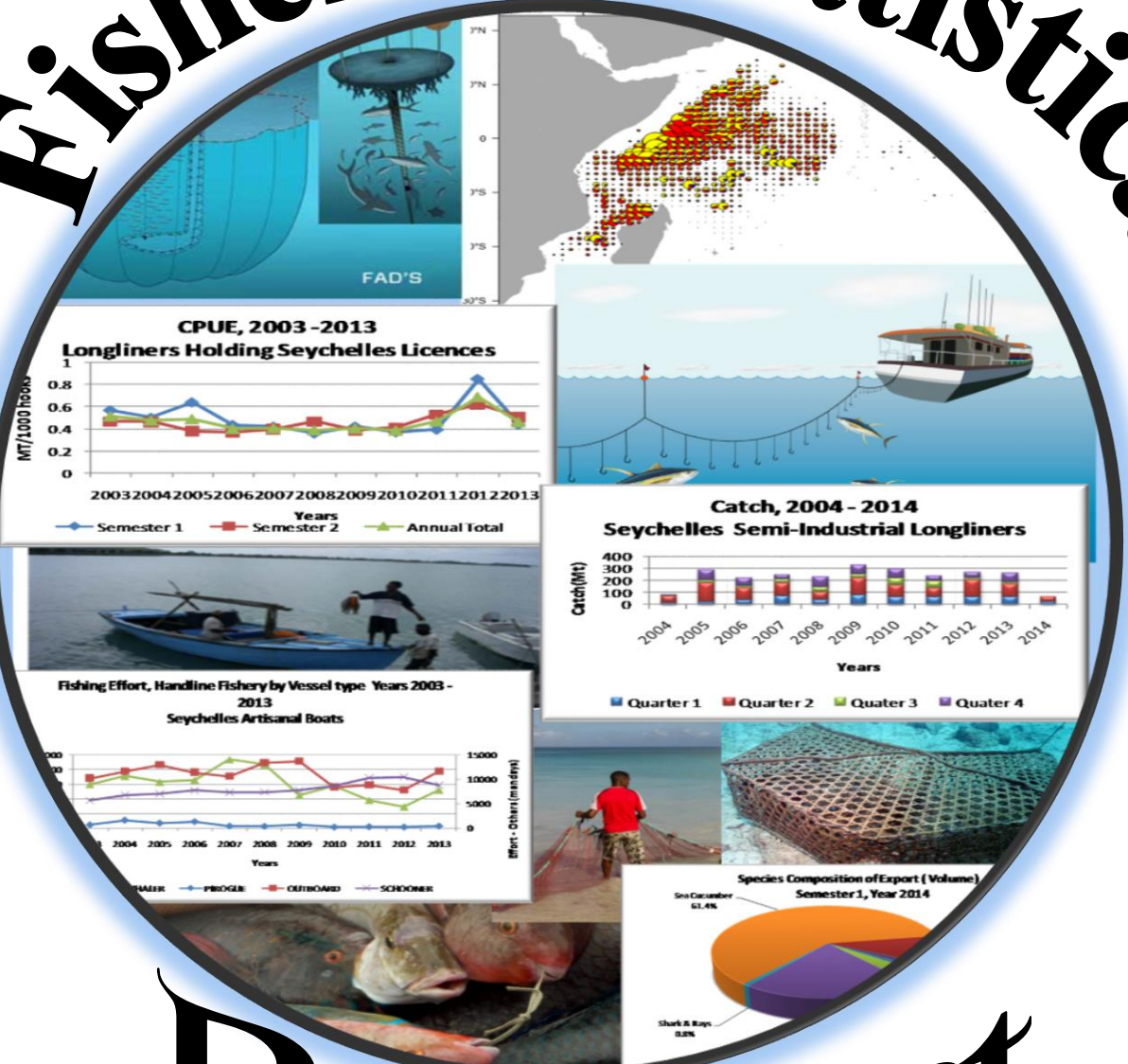




SEYCHELLES FISHING AUTHORITY

# Fisheries Statistics



# Report

Year 2017

Semester 1, Year 2018

# **Fisheries Statistical Report**

**Year: 2017  
Semester 1, Year 2018**



**SEYCHELLES FISHING AUTHORITY**

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- 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, with regard to 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 with regard to fishing and fishing industries; and*
- those mentioned in any other written law.*

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## *Introduction*

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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.

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:*

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Tuna purse seiners started operation in Seychelles EEZ in the Indian Ocean since the early 1980s. Purse seining activities in the Seychelles EEZ began in 1983 when French and Spanish fleets moved from the tropical Atlantic to the Western Indian Ocean. The main fishing nations involved in purse seining in the WIO are 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 origin.

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 unloaded 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 contain records of the vessel's daily activities and are submitted to SFA. The logbook must be completed by the vessel's captain for each trip undertaken during the period the vessel is registered as a Seychelles Flagged vessel 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. In order to improve the accuracy of statistics for sound stock assessment, it is essential to implement a tuna-sampling programme. Biological sampling is carried out in order 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.

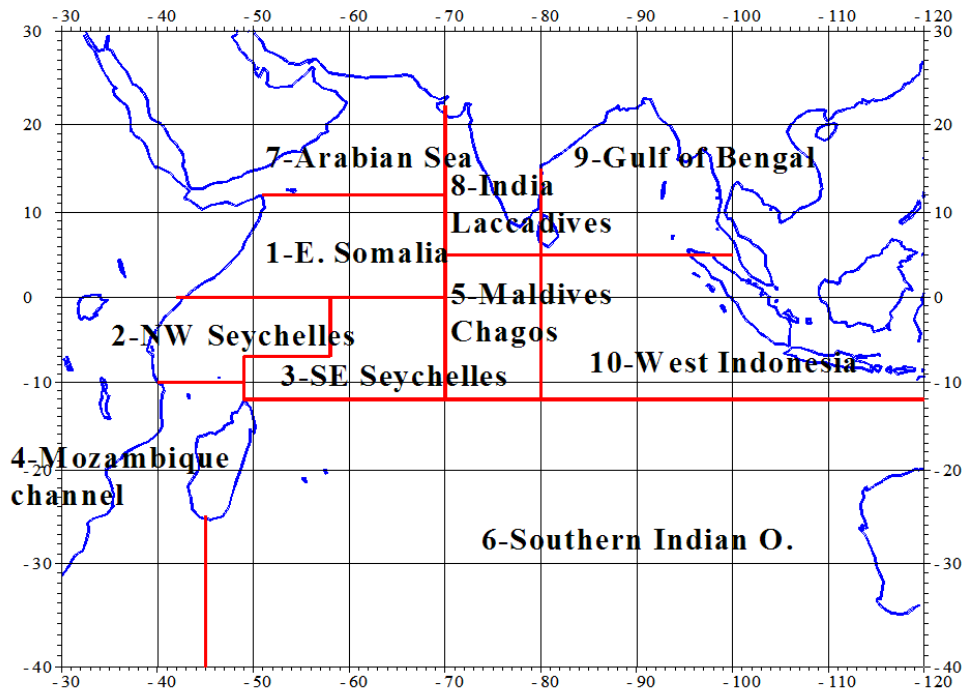
## *Data Processing*

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 particular 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



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## *Industrial Longliners Fishery:*

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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, so as 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:

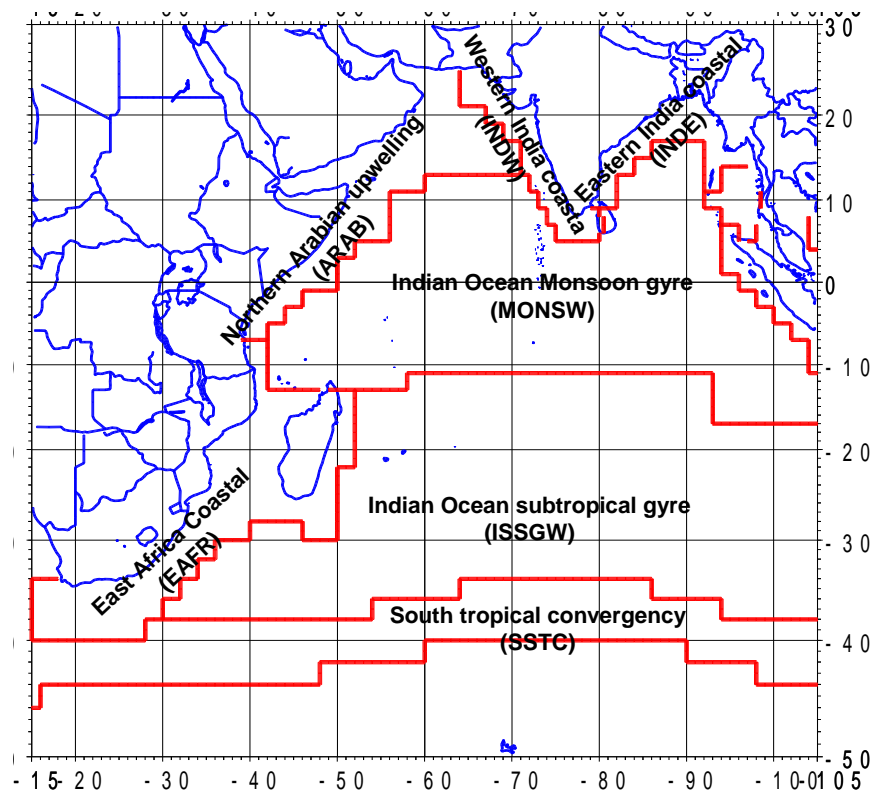
- For Tuna species the Dorsal Fork Length (DFL) are taken
- For swordfish, the Lower maxillary Fork length (LMFL) is recorded
- For Sharks, the total length is recorded

### *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

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## *Semi Industrial Longline Fisheries*

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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.

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## *Artisanal Fishery:*

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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), Sphyraenidae (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 trip to obtain an estimate of total Catch, 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.

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## *Definitions of terms used*

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<b>TERMS</b>	<b>DEFINITION</b>
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 actually 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*

- Trend analysis of the total number of Purse seiners licensed to fish inside the Seychelles EEZ shows a drop by 16% in 2010 followed by a further decreased by 29% in 2011 to reach a record low of 35 vessels licensed which could mostly be due to piracy threats in the Indian Ocean. The number of vessels licensed has since then been on the increased reaching 51 vessels licensed in 2015 (table1.2).
- In 2017, the number of purse seiners licensed to fish in the Seychelles EEZ decreased by 6 % to reach a total of 46 vessels licensed (table 1.2A) out of which 13 where Seychelles flagged vessels, 27 vessels were licensed under the EC agreement and 6 vessels were operating under other private agreement.
- During the first semester of 2018, two vessels from the Korean fleet left the fishery leaving 44 vessels licensed compared to 46 vessels licensed for the same period, the previous year out of which 13 were Seychelles flagged vessels, 14 Spanish vessels and 12 French vessels.
- During the year 2017, the number of supply vessels licensed to operate inside the Seychelles EEZ decreased by 1 vessel to reach 21 supply vessels licensed out of which 11 vessels were licensed under Spanish flag and 8 vessels were licensed under Seychelles flag. It must be noted that one Seychelles flagged supply vessel was deregistered and another one change flagged and was licensed under Mauritian flag.
- During the first semester of 2018, the number of supply vessels licensed to operate inside the Seychelles EEZ increased by 1 vessel to reach 22 supply vessels licensed during the first semester of 2018 out of which 11 vessels were licensed under Spanish flag and 7 vessels were licensed under Seychelles flag. The French supply vessels fleet increased to 2 vessels licensed during that period.
- 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). During the year 2017, on average 45 vessels were active per month compared to 47 vessels active per month during the previous year (table 1.2C).
- During the first semester of 2018, on average 44 vessels were active compared to an average of 45 vessels active during the same period the previous year.

## 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 drop of 10% in catches in 2012 from the previous year, the purse seine catches has since then been on an increasing trend (figure 1A). Similar trend was also observed in the fishing effort (figure 1B). The CPUE increased from 21.10 MT/ fishing day in 2008 to reach 29.97MT/ fishing

day in 2010 and has since then fluctuate between 22.71 MT/ fishing day and 27.29 MT/ fishing day (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 2017 is estimated at 366,757 MT, representing a 4% increase over the estimated catch of 351,927 MT reported in 2016 (table 1.3B). This is the highest catch recorded since 2006. The fishing effort decreased by 17% to reached 11,418 fishing days in 2017 compared to 13,825 fishing days estimated for the year 2016. The mean catch rate (CPUE) increased from 25.46 MT/ fishing day in 2016 to 32.12 MT/ fishing day for the year 2017.
- The purse seine tuna catches in the Western Indian Ocean during the first semester of 2017 is estimated at 187,309 MT representing a 19% increase in catches over the same period in 2016. This was achieved from a fishing effort of 6,356 fishing days thus giving a mean catch rate of 29.47 MT/ fishing day (table 1.3). The total catch for the first semester of 2016 is estimated at 157,426 MT achieved from a fishing effort of 6,823 fishing days with a mean catch rate of 23.07 MT/ fishing day.
- During the second semester of 2017, a total catch of 179,448 MT was reported, achieved from a fishing effort of 5,062 fishing days representing a decrease of 8% in catches over the estimated 194,501 MT reported during the same period in 2016. The fishing effort for second semester of 2016 was estimated at 7,002 fishing days. The catch rate for the second semester of 2017 increased significantly from 27.78 MT/ fishing day during that period in 2016 to 35.45 MT/ fishing day in 2017.
- The purse seine tuna catches in the Western Indian Ocean during the first semester of 2018 increased by 26% to reach a record high of 236,190MT. This was achieved from a fishing effort of 5,841 fishing days thus giving a mean catch rate of 40.44 MT/ fishing day, the highest recorded for that period in the purse seine fishery since the year 2000 (table 1.3).

### ***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 2017 was dominated by the Spanish fleet accounting for 39% of the total catch whilst the Seychelles and French fleet accounted for 33% and 19% respectively. During the previous year the Spanish, Seychelles and French fleet accounted for 39%, 31% and 19% of the total purse seine catches in WIO respectively.
- During the first semester of 2018, the Spanish fleet still dominated the purse seine fishery catches accounting for 44% of the total catch like the same period the previous year where it accounted for 41% of the total purse seine catches. The Seychelles and French fleet accounted for 29% and 18% of the total purse seiner catches during the first six months of 2018 respectively whilst for the same period the previous year the two fleets accounted for 31% and 20% of the total purse seine catches respectively.
- In 2017, the Spanish fleet reported a total catch of 142,818 MT compared to 136,288 MT during the same period of the previous year, representing a 5% increase in catches with a fishing effort of 3,523 fishing days. The catch rate for the Spanish fleet for the year 2017 and 2016 stand at

40.54 MT/ fishing day and 31.92 MT/ fishing day respectively.

- During the first semester of 2018, the Spanish fleet reported a record catch of 104,135 MT compared to 76,423 MT during the same period of the previous year, representing an increase of 36% in catches despite a significant reduction of 14% reported in fishing effort. This was achieved by 1,820 fishing days compared to 2,117 fishing days during the first semester of 2017. Thus, the catch rate for the Spanish fleet for the first semester of 2018 is estimated at a record high of 57.20 MT/ fishing day compared to 36.10 MT/ fishing day for the same period the previous year (table 1.3C).
- The total catch for the Seychelles fleet increased by 13% from 108,613 MT in 2016 to 122,202 MT in 2017 despite a 20% reduction in fishing effort from 4,092 fishing days in 2016 to 3,271 fishing days in 2017. Thus, yielding an increase in catch rate for the Seychelles fleet from 26.55 MT/ fishing day in 2016 to 37.36 MT/ fishing in 2017 (table 1.3B).
- The total catch reported for the first semester of 2018 was a record high of 68,803 MT obtained from a fishing effort of 1,577 fishing days thus giving a record high mean catch rate of 43.63 MT/ fishing day. This represents an increase of 17% in catches and a drop of 9% in fishing effort from the estimated 58,628 MT of catches and 1,738 fishing days reported during the same period in 2017. The mean catch rate reported for the Seychelles purse seine fleet for the first semester of 2017 was 33.72 MT/ fishing (table 1.3B).
- The French fleet reported a total catch of 67,997 MT during the year 2017 compared to 68,420 MT recorded for the previous year (table 1.3D). The fishing effort for the French fleet decreased by 2% whilst the catch rate increased slightly from 19.70 MT/ fishing day in 2016 to 19.89 MT/ fishing day for the year 2017.
- During the first semester of 2018, the estimated catch for the French fleet increased by 13% to reach 41,618 MT when compared to the reported catch of 36,982 MT for the same period in 2017 (table 1.3D). The fishing effort for the French fleet decreased by 6% whilst the catch rate increased from an estimated 20.26 MT/ fishing day during the first semester of 2017 to 24.22 MT/ fishing day during the same period in 2018.
- The remaining 33,739 MT of catches reported for the year 2017 was caught by Mauritian, Italian and South Korean vessels achieved from a fishing effort of 1,207 fishing days with a mean catch rate of 27.96 MT/ fishing day. This represents a decreased 13% in catches corresponding to a significant reduction of 39% in fishing effort. During the previous year, vessels under other flags (Mauritius, Italy and South Korea) reported an estimated catch of 38,606 MT from a fishing effort of 1,991 fishing days with a mean catch rate of 19.39 MT/ fishing day (table 1.3E).
- During the first six months of 2018, an estimated catch of 21,634 MT was caught by Mauritian, Italian and South Korean vessels achieved from a fishing effort of 725 fishing days with a mean catch rate of 29.83 MT/ fishing day. During the same period previous year, vessels under other flags (Mauritius and South Korea) reported an estimated catch of 15,276 MT from a fishing effort of 676 fishing days with a mean catch rate of 22.61 MT/ fishing day. This represents a significant increase of 42% in catches with a slight increase of 7% in effort (table 1.3E).

### **1.3. Species Composition of Catches in WIO**

- Historically Skipjack tuna dominated the purse seine catches in the Western Indian Ocean (table 1.3 and figure 1J). However, since 2012, yellowfin replaced skipjack tuna as the dominant species caught.
- During the year 2017, Skipjack tuna dominated the total purse seine catches, accounting for 54% of the total catch followed by yellowfin tuna representing for 38% of the total catch, whilst bigeye tuna made up only 8% of the total catch. Skipjack tuna also dominated the purse seine catches during the previous year accounting for 52% of the total catch whilst yellowfin tuna represented 42% of the total catch.
- During the first semester of the year 2018, Skipjack tuna accounted for 62% of the total catches whilst yellowfin tuna and bigeye tuna represented 31% and 6% of the total catches respectively. During the same period the previous year, yellowfin tuna dominated the tuna catches accounting for 45% of the total catches whilst skipjack accounted for 44% of the total catches.
- In 2017, Skipjack tuna catches increased by 9% from 182,024 MT in 2016 to an estimated total of 197,680 MT. The total yellowfin catches are estimated at 137,970 MT, a slight 6% lower than the 146,763 MT reported for the previous year whilst bigeye tuna catches increased by 32%, from 22,435MT in 2016 to 29,608 MT in 2017.
- Between January to June 2018, a total of 146,887 MT of skipjack was reported to have been caught by purse seiners licensed to fish inside the Seychelles EEZ representing a remarkable 77% increase from the 83,129 MT reported for the same period the previous year. Yellowfin tuna recorded a 13% decrease during the first semester of 2018 with an estimated catch of 73,457 MT compared to 84,484 MT during the same period in 2017. Bigeye tuna catches also decreases by 25% from 19,047 MT during the same period in 2017 to 14,373 MT in 2018.

### **1.4. Catch by School Type**

- Trend analysis of the catch by school type shows that since 2006 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 2017, a total of 303,132 MT of tuna were caught on FAD's associated school representing 83% of the total catch and 63,498 MT or 17% of the total catch was caught on free swimming school. During the previous year, 83% or 293,303 MT of catches were on FAD's associated schools whilst 17% or 58,343 MT of the catches were reported to have been caught on free swimming school. This reflects a 3% and 9% increase in catches on FAD's associated school and on free swimming school respectively.
- During the first semester of 2018, catches on free swimming school was significantly reduced by 86% whilst on the other hand catches on FAD's associated schools increased by 74% when compared to the same period in 2017. This remarkable change may be due to the vessels



switching fishing tactics to maintain their yellowfin quota which took effect in 2017. A total of 226,383 MT was reported to have been caught on FAD's associated schools during the first six months of 2018 compared to 129,777 MT during the same period in 2017. Catches on free swimming schools decreased from 57,440 MT during the first semester in 2017 to a mere 8,122MT during the same period in 2018.

- Species wise, 63% of the catch on FAD's associated school were skipjack tuna and 30% were yellowfin tuna in 2017, like that of the previous year. Bigeye tuna accounted for only 6% of the catch on FADs. Catches on free swimming schools was dominated by yellowfin tuna representing 74% of the total catch whilst skipjack and bigeye tuna accounted for 10% and 16% of the catch on free swimming schools respectively. Similar compositions were observed for the previous year.
- During the first semester of 2018, skipjack tuna accounted for 64% of catches on FAD's associated schools whilst yellowfin and bigeye tuna accounted for 30% and 6% respectively, like the same period the previous year. Catches on Free swimming schools was dominated by yellowfin tuna accounted for 68% and 77% of the total catch during the first six months of 2018 and 2017 respectively whilst catches of skipjack represented 20% and 7% of the total catch during the same periods 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 dropped sharply from year 2008 to a dip of 2,143 fishing days in 2009 and had since then remained stable averaging to 2,819 fishing days between 2010 and 2015. In 2016, the fishing effort increased to 4,740 fishing days (figure 1E). The CPUE analysis shows an increasing trend from year 2008 to a peak of 25.11 MT/ fishing day in 2010 and had since then remained stable. (figure 1F).
- Following a record catch of 92,958 MT reported inside the Seychelles EEZ during the year 2016, the catches inside the Seychelles EEZ decreased by 21% in 2017 to reach 73,360 MT. The decrease in catches inside the Seychelles EEZ corresponds to a 34% decrease in fishing effort from 4,740 fishing day in 2016 to 3,110 fishing day in 2017. The mean catch rate for 2017 inside the Seychelles EEZ stands at 23.59 MT/fishing day compared to 19.61 MT/fishing day in 2016 ( table 1.4).
- The purse seine tuna catches reported inside the Seychelles EEZ during the first semester of 2017 is estimated at 49,405 MT (table 1.4A) achieved by a fishing effort of 2,109 fishing days, thus giving a mean catch rate of 23.43 MT/ fishing day. This represents an increase of 11% in catches despite a drop of 21% in fishing effort over the same period the previous year (table 1.4A). During the same period in 2016, the purse seine tuna catch reported inside the Seychelles EEZ was estimated at 44,426 MT ( table 1.4A) achieved by a fishing effort of 2,658 fishing days, thus giving a mean catch rate of 16.72 MT/ fishing day (table 1.4A).
- During the second semester of 2017, a total of 23,955 MT of tuna were reported to have been caught by purse seiners inside the Seychelles EEZ obtain from a fishing effort of 1,002 fishing

days, thus giving a mean catch rate of 23.92 MT/ fishing day. This represents a noteworthy decrease of 51% in total catch from 48,532 MT reported in 2016 corresponding to a 52% decrease in fishing effort from 2,082 fishing days over the same period of the previous year inside the Seychelles EEZ. This was mostly due to most vessels stopped fishing by end of November 2017 since most vessels had already reached their quota of yellowfin tuna for that year.

- During the first semester of 2018, the total catches reported inside the Seychelles EEZ decreased by a slight 5% to reach 47,158 MT from 49,405 MT reported during the same period in 2017. This corresponds to a decreased of 27% in fishing effort from 2,109 fishing days during the first six months of 2017 to 1,537 fishing days during the same period in 2018. The catch rate during the first semester of year 2018 and 2017 stands at 30.67 MT/ fishing day and 23.43 MT/ fishing day respectively.
- The monthly trend in catches shows that highest catch and catch rate inside the Seychelles EEZ were recorded in February in 2017 with total catch of 17,622 MT and a mean catch rate of 39.39 MT/ fishing day. For the previous year, the highest catch and catch rate were reported during the month of September with an estimated catch of 11,052 MT and a mean catch rate of 38.30 MT/ fishing day.

### ***1.5.1. Activity inside the Seychelles EEZ by Fleet***

- During the year 2017, the French and the Spanish fleet dominated the total catch inside the Seychelles EEZ each equally accounting for 32% of the EEZ catches whilst the Seychelles fleet represented 21% of the total EEZ catches. During the previous year the Spanish, French and Seychelles fleet accounted for 30%, 33% and 23% of the Seychelles EEZ catches respectively.
- Between January to June 2018, the Spanish accounted for 40% of the total catches inside the Seychelles EEZ followed by the Seychelles fleet accounting for 30% and the French fleet representing 18%. During the same period the previous year the Spanish, French and Seychelles fleet accounted for 37%, 31% and 21% of the Seychelles EEZ catches respectively
- In 2017, the French fleet reported a total catch of 23,322 MT inside the Seychelles EEZ and a mean catch rate of 19.04 MT/ fishing day (table 1.4 D). This represents a decrease of 25% in EEZ catches by the fleet corresponding to a 23% decrease in fishing effort. The total catch and catch rate for the French in the previous year stood at 30,997 MT and 19.48 MT/ fishing day respectively.
- During the first semester of 2018, the French fleet reported a total catch of only 8,453 MT achieved from a fishing effort of 505 fishing days thus giving a mean catch rate of 16.72 MT/ fishing day. This represents a decrease of 45% in catches corresponding to a decrease of 36% in fishing effort over the total catches of 15,496 MT and a fishing effort of 793 fishing days during the same period in 2017. The catch rate for the same period in 2016 for the French fleet stood at 19.55 MT/ fishing day.
- The Spanish fleet reported catches inside the Seychelles EEZ decreased by 15% corresponding to a decrease of 28% in fishing effort during the year 2017 over the catches and effort reported for the previous year. The estimated catch reported by the Spanish fleet in 2017 is estimated at 23,499 MT with a mean catch rate of 29.89 MT/fishing day compared to a catch of 27,727 MT and

a catch rate of 25.44 MT/fishing day in 2016 (table 1.4C).

- The Spanish fleet reported a slight increase of 5% or 18,995 MT of catches inside the Seychelles EEZ during the first semester of 2018 over the 18,128 MT reported during the same period the previous year. The slight increase in catches was obtained despite a 31% decrease in fishing effort. The mean catch rate for the Spanish fleet during the first semester of 2018 is estimated at 46.77 MT/ fishing day compared to 30.95 MT/ fishing day for the same period the previous year.

## **1.6. Statistics of Seychelles Flagged Vessels**

- Trend analysis of the Seychelles flagged purse seine catches shows that between the year 2008 and 2012 catches of the fleet has fluctuated between 50,000 MT and 76,000 MT but has since then been on an increasing trend. The fishing effort has since 2008 been on a downward trend to a mere 1,809 fishing days in 2013 and has since then been on an increasing trend. The CPUE has fluctuated between 20.89 MT/ fishing day and 32.63 MT/ fishing day between the years 2008 and 2016 (table 1.3 and figure 3).
- The Seychelles flagged purse seiners reported a record catch of 122,202 MT in the WIO in 2017, achieved from a fishing effort of 3,271 fishing days thus giving a mean catch rate of 37.36 MT/ fishing day representing an increase of 13% in catches despite a 20% decrease in fishing effort. In 2016 the Seychelles purse seine fleet reported a total catch of 108,613 MT obtained from a fishing effort of 4,092 fishing days with a mean catch rate of 26.55 MT/ fishing day (table 1.3B).
- During the first semester of 2018, the Seychelles fleet reported a total catch of 68,803 MT achieved from a fishing effort of 1,577 fishing days thus giving a mean catch rate of 43.63 MT/ fishing day. This represents an increase of 17% in catches and a decrease of 9% in fishing effort over the 58,628 MT obtained from a fishing effort of 1,738 fishing days during the same period the previous year where the catch rate was 33.72 MT/ Fishing day. This is the highest catches and catch rate reported by the fleet during the first semester of the year since the year 2000.
- Catches reported by the Seychelles fleet inside the Seychelles EEZ in 2017 is estimated at 15,572 MT compared to 21,187 MT during the previous year thus representing a decrease of 27% (table 1.4B). This was achieved from a fishing effort 676 fishing days representing a decrease of 45% over the 1,229 fishing days during the previous year. The catch rate for the Seychelles fleet inside the Seychelles EEZ is estimated at 23.05 MT/ fishing day in 2017 compared to 17.25 MT/ fishing day in 2016 (table 1.4B).
- In terms of geographical areas, 80% of the Seychelles purse seine fleet catches reported to have been caught on the high seas and only 13% of its catches were reported to have been caught inside of the Seychelles EEZ in 2017 (table 1.4F). During the previous year, 69% and 20% of the Seychelles fleet catches were caught on the high seas and inside the Seychelles EEZ respectively.
- During the first semester of 2018, the Seychelles fleet reported to have caught 70% of their catches on the high seas and 21% in the Seychelles EEZ similar to the same period the previous year where 68% of their catches were reported from the high seas and 18% inside of the Seychelles EEZ.

### **1.7. Purse seine statistics by Access Regime**

- In 2017, 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, Italy and Mauritius hereafter group as 'Others'.
- During the year 2017, vessels fishing under the EC agreement reported a total catch of 49,586 MT inside the Seychelles EEZ representing 68% of the total reported EEZ catches. This represents an 18% decrease in catches inside the Seychelles EEZ from the 60,448 MT reported in 2016. This was achieved from a fishing effort of 2,109 fishing days thus giving a mean catch rate of 23.51 MT/ fishing day. A total of 2,829 fishing days and a mean catch rate of 21.37 MT/ fishing day were reported for the year 2016 (table 1.6).
- Vessels under other agreement also recorded a decrease of 28% in catches corresponding to a 52% decrease in fishing effort inside the Seychelles EEZ during 2017 when compared to the previous year. In 2017 Vessel under other agreement reported a total catch of 8,202 MT accounting for 11% of the total EEZ catch obtained from a fishing effort of 326 fishing days giving a mean catch rate of 25.16 MT/ fishing day. This compared to an estimated total catch of 11,323 MT for the year 2016 corresponding to a fishing effort of 683 fishing days thus giving a mean catch rate of 16.59 MT/ fishing day.

### **1.8. Landing and Transshipment Statistics**

- Time series analysis of landing and transshipment shows the landing and transshipment has been on a decreasing trend from 2008 to 2012. In 2013, transshipment and landing in Port Victoria increase by 25% to a total 233,547. Landing and transshipment have since then been on an increasing trend. (table 1.7 and figure 1K).
- Like previous years, Port Victoria remained the principal port for tuna transshipment and landing by purse seiners in the WIO during 2017. A total of 341,870 MT of tuna was unloaded through port Victoria compared to 328,298 MT in 2016. This represents 96% of the total landing and transshipment for that year (figure 1L) and a 4% increase from the previous year.
- During the first semester of 2018, landing and transshipment in Port Victoria increased by 22% over the same period in 2017. A total of 216,012 MT of tuna and tuna-like species were landed or transhipped in Port Victoria representing 97% of the total catch unloaded for the first semester of 2018. During the same period, the previous year, 95% or 176,719 MT of tuna and tuna-like species were unloaded in Port Victoria.
- In 2017, 85% of the total catch unloaded in Port Victoria or 290,443MT of tuna unloaded in Port Victoria were transhipped onto refer or into containers for export whilst the remaining 15% or 51,427 MT of tuna were landed in Port Victoria for local processing or sale (table 1.8). In 2016, a total of 262,798 MT of tuna were transhipped, and 65,500 MT were landed in Port Victoria. These represent an increase of 11% in transshipment and a drop of 21% in landings in port Victoria respectively during the year 2017 compared to the previous year.

- Out of the 290,443 MT of tuna transhipped in Port Victoria in 2017, 47% or 161,276 MT were transhipped onto reefer vessels whilst 38% or 129,167 MT were transhipped into containers for export (table 1.9). This represent an increase of 69% and a decrease of 13% of tuna transhipped via containers and reefer vessels respectively when compared to the previous year. In 2016 a total of 186,361 MT or 57% of total tuna transhipped were by reefer vessels and 23% or 76,437 MT of tuna were transhipped into containers.
- During the first semester of 2018, a total of 183,235 MT of tuna were transhipped and 32,777 MT were landed in Port Victoria (table 1.8). During the same period in 2017, a total of 148,829 MT of tuna were transhipped and 27,890 MT were landed in Port Victoria. These represent an increase of 23% and 18% in transhipment and landings in port Victoria.
- During transhipment, 59% or 127,502 MT of the total catches unloaded were transhipped onto reefers and 26% or 55,733 MT were unloaded into containers for export. This represents an increase of 35% in transhipment into containers whilst transhipment to containers remained like the same period the previous year.
- Analysis of catch landed/transhipped in port Victoria by fleet shows that historically, the Spanish fleet dominated tuna unloading in Port Victoria. In 2017 the Spanish fleet landed and transhipped a total of 122,625 MT of tuna in port Victoria representing 36% of the total catch unloaded in Port Victoria during that year. Seychelles fleet also accounted for 36% or 121,605 MT of the total tuna unloaded and transhipped whilst the French fleet accounted for only 19% or 64,922 MT (table 1.8). During the previous year, the Spanish fleet accounted for 38% (or 124,652 MT) of landing and transhipment in Port Victoria whilst the French and Seychelles fleet accounted for 20% (or 64,891 MT) and 31% (or 102,074 MT) respectively.
- During the first semester of 2018, the Spanish fleet landed and transhipped a total of 98,393 MT of tuna and tuna-like species in port Victoria representing 46% of the total catch unloaded in Port Victoria during that period whilst the French and Seychelles fleet accounted for 17% (or 37,268 MT) and 30% (or 65,526 MT) respectively ( table 1.8). During the same period, previous year, the Spanish fleet accounted for 40% (or 71,188 MT) of total catches unloaded in Port Victoria whilst the French and Seychelles fleet accounted for 21% (or 36,658 MT) and 31% (or 54,022 MT) respectively.

## **1.9. Fishing Ground**

- Map 1A and 1B show the distribution of reported catch of purse seiner by 1<sup>o</sup> square in the WIO for the years 2016 and 2017 respectively. Map 1C and 1D shows the distribution of reported catch of purse seiner by 1<sup>o</sup> square in the WIO for the 1<sup>st</sup> Semester of 2017 and 2018 respectively whilst maps 1E show the distribution of reported catch of purse seiner by 1<sup>o</sup> square in the WIO for the 2<sup>nd</sup> Semester of 2017.
- Maps 1B show that the 2017 fishing pattern appears to be similar to that of the previous year (Map 1A) with increased catches in the Arabian Sea region and SE Seychelles. Increased in

skipjack catches can also be observed.

- Maps 1D show increased catches in the Arabian sea and NW Seychelles area the first semester of 2018 when compared to the same period in 2017 (Map1C).

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

(Database Closed on 09/08/2019)

**Vessel Type: Purse Seiners**

**Years: 2008 - 2018**

Access Regime	Country	Year										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
National	Seychelles	12	12	9	8	8	7	11	13	13	13	13
<b>National Total</b>		<b>12</b>	<b>12</b>	<b>9</b>	<b>8</b>	<b>8</b>	<b>7</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>
EC	Spain	22	19	16	14	15	14	15	17	16	14	14
	France	17	18	15	8	10	8	13	13	12	12	12
	Italy	1	1						1	1	1	1
<b>EC Total</b>		<b>40</b>	<b>38</b>	<b>31</b>	<b>22</b>	<b>25</b>	<b>22</b>	<b>28</b>	<b>31</b>	<b>29</b>	<b>27</b>	<b>27</b>
Others	Mauritius						2	2	2	2	2	2
	Mayotte	2	3	5	5	5	5					
	Korea					1	3	4	5	5	4	2
	Iran											
	Thailand	4	4	4								
<b>Others Total</b>		<b>6</b>	<b>7</b>	<b>9</b>	<b>5</b>	<b>6</b>	<b>10</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>4</b>
	<b>Annual Total</b>	<b>58</b>	<b>57</b>	<b>49</b>	<b>35</b>	<b>38</b>	<b>39</b>	<b>44</b>	<b>49</b>	<b>49</b>	<b>46</b>	<b>44</b>
* Number of Vessels change of flag			1	1		1		1	2			

**Vessel Type: Supply Vessels**

**Years: 2008 - 2018**

Access Regime	Country	Year										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
National	Seychelles	7	6	7	6	3	4	6	7	9	8	7
<b>National Total</b>		<b>7</b>	<b>6</b>	<b>7</b>	<b>6</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>7</b>	<b>9</b>	<b>8</b>	<b>7</b>
EC	Spain	3	5	4	3	5	6	10	11	12	11	11
	France										1	2
	Italy											1
<b>EC Total</b>		<b>3</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>6</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>12</b>	<b>14</b>
Others	Korea								1	1	1	1
	Mauritius										1	1
<b>Others Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>
	<b>Annual Total</b>	<b>10</b>	<b>11</b>	<b>11</b>	<b>9</b>	<b>8</b>	<b>10</b>	<b>16</b>	<b>19</b>	<b>22</b>	<b>21</b>	<b>22</b>
* Number of Vessels change of flag					1						1	1

**TABLE 1.2A. Purse Seiners Holding Licenses by Country of Registration**

(Database Closed on 09/08/2019)

**Year: 2017**

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Total
Jan	13	14	12	1	4	2	46
Feb	13	14	12	1	3	2	45
Mar	13	14	12	1	3	2	45
Apr	13	14	12	1	3	2	45
May	13	14	12	1	3	2	45
Jun	13	14	12	1	3	2	45
Jul	13	14	12	1	3	2	45
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
<b>Year Average</b>	<b>13</b>	<b>14</b>	<b>12</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>45</b>
Quarter 1	13	14	12	1	3	2	45
Quarter 2	13	14	12	1	3	2	45
Quarter 3	13	14	12	1	2	2	44
Quarter 4	13	14	12	1	2	2	44
<b>First Semester</b>	<b>13</b>	<b>14</b>	<b>12</b>	<b>1</b>	<b>3</b>	<b>2</b>	<b>45</b>
<b>Second Semester</b>	<b>13</b>	<b>14</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>44</b>

**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							
Aug							
Sep							
Oct							
Nov							
Dec							
<b>Year Average</b>	<b>13</b>	<b>14</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>44</b>
Quarter 1	13	14	12	1	2	2	44
Quarter 2	13	14	12	1	2	2	44
Quarter 3							
Quarter 4							
<b>First Semester</b>	<b>13</b>	<b>14</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>44</b>
<b>Second Semester</b>							



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

(Database Closed on 09/08/2019)

**Years: 2008 - 2018**

Access Regime	Country	Year										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
National	Seychelles	10	10	9	8	8	7	10	13	13	13	13
<b>National Total</b>		<b>10</b>	<b>10</b>	<b>9</b>	<b>8</b>	<b>8</b>	<b>7</b>	<b>10</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>
EC	Spain	17	15	13	13	14	14	15	17	14	14	14
	France	17	16	8	8	10	8	13	12	12	12	12
	Italy	1	1						1	1	1	1
<b>EC Total</b>		<b>35</b>	<b>32</b>	<b>21</b>	<b>21</b>	<b>24</b>	<b>22</b>	<b>28</b>	<b>30</b>	<b>27</b>	<b>27</b>	<b>27</b>
Others	Mauritius						1	2	2	2	2	2
	Mayotte	2	2	5	5	5	5					
	Korea					1	3	4	5	5	3	2
	Iran											
	Thailand	4	4	3								
<b>Others Total</b>		<b>6</b>	<b>6</b>	<b>8</b>	<b>5</b>	<b>6</b>	<b>9</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>5</b>	<b>4</b>
	<b>Annual Total</b>	<b>51</b>	<b>47</b>	<b>38</b>	<b>34</b>	<b>37</b>	<b>38</b>	<b>43</b>	<b>48</b>	<b>47</b>	<b>45</b>	<b>44</b>

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

(Database Closed on 09/08/2019)

**Year: 2017**

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Total
Jan	12	14	12	1	3	2	44
Feb	13	14	12	1	3	2	45
Mar	12	14	12	1	2	2	43
Apr	11	14	12	1	2	2	42
May	12	13	12	1	1	2	41
Jun	12	13	12		2	2	41
Jul	13	13	11	1	2	2	42
Aug	12	12	12	1	2	2	41
Sep	12	13	12	1	2	2	42
Oct	13	14	12	1		2	42
Nov	13	12	11	1		2	39
Dec	12	9	12	1		2	36
<b>Year Average</b>	<b>12</b>	<b>13</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>42</b>
Quarter 1	12	14	12	1	3	2	44
Quarter 2	12	13	12	1	2	2	41
Quarter 3	12	13	12	1	2	2	42
Quarter 4	13	12	12	1	0	2	39
<b>First Semester</b>	<b>12</b>	<b>14</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>43</b>
<b>Second Semester</b>	<b>13</b>	<b>12</b>	<b>12</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>40</b>

**Year: 2018**

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Total
Jan	13	14	12	1	2	2	44
Feb	13	13	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							
Aug							
Sep							
Oct							
Nov							
Dec							
<b>Year Average</b>	<b>12</b>	<b>14</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>42</b>
Quarter 1	13	14	12	1	2	2	44
Quarter 2	11	14	11	1	2	2	41
Quarter 3							
Quarter 4							
<b>First Semester</b>	<b>12</b>	<b>14</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>42</b>
<b>Second Semester</b>							

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

(Database Closed on 09/08/2019)

Country: ALL

Semester 1, Years: 2008 - 2018

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2008	6,621	18.49	64,146	52	45,622	37	11,182	9	1,415	1	48	0	122,413
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	5,841	40.44	73,457	31	146,887	62	14,373	6	46	0	1,426	1	236,190

Country: ALL

Semester 2, Years: 2008 - 2017

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2008	6,601	23.71	48,577	31	91,708	59	15,769	10	160	0	330	0	156,543
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													

Country: ALL

Years: 2008 - 2017

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2008	13,223	21.10	112,724	40	137,330	49	26,951	10	1,574	1	377	0	<b>278,956</b>
2009	10,936	24.02	84,821	32	150,420	57	26,987	10	421	0	70	0	<b>262,719</b>
2010	9,318	29.97	103,127	37	153,782	55	22,102	8	187	0	46	0	<b>279,244</b>
2011	9,558	27.03	110,574	43	127,150	49	19,864	8	744	0	28	0	<b>258,361</b>
2012	9,696	23.87	131,057	57	82,163	35	16,995	7	1,206	1	56	0	<b>231,477</b>
2013	10,184	27.29	135,361	49	117,053	42	24,760	9	499	0	206	0	<b>277,879</b>
2014	11,789	23.57	126,800	46	129,105	46	21,236	8	524	0	172	0	<b>277,837</b>
2015	12,756	22.71	135,797	47	128,143	44	25,039	9	537	0	188	0	<b>289,704</b>
2016	13,825	25.46	146,763	42	182,024	52	22,435	6	421	0	284	0	<b>351,927</b>
2017	11,418	32.12	137,970	38	197,680	54	29,608	8	472	0	1,027	0	<b>366,757</b>

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

(Database Closed on 09/08/2019)

Country: ALL

Year: 2017

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	46	44	1,190	25.98	11,695	38	15,966	52	3,164	10	38	0	64	0	30,926
Feb	45	45	1,048	38.86	19,876	49	17,250	42	3,473	9	94	0	18	0	40,711
Mar	45	43	1,098	34.65	15,847	42	18,760	49	3,322	9	108	0	25	0	38,061
Apr	45	42	1,025	30.23	14,481	47	12,478	40	3,956	13	34	0	43	0	30,991
May	45	41	972	20.36	9,469	48	8,451	43	1,811	9	61	0	7	0	19,799
Jun	45	41	1,022	26.23	13,117	49	10,224	38	3,321	12	98	0	60	0	26,821
Jul	45	42	965	30.46	9,952	34	16,908	58	2,415	8	7	0	104	0	29,386
Aug	44	41	1,010	31.04	9,689	31	20,437	65	1,161	4	6	0	46	0	31,339
Sep	44	42	897	45.53	12,193	30	26,953	66	1,569	4	7	0	141	0	40,862
Oct	44	42	1,041	43.92	11,862	26	30,232	66	3,149	7	7	0	465	1	45,716
Nov	44	39	609	35.76	6,291	29	14,087	65	1,345	6	5	0	40	0	21,768
Dec	44	36	541	19.19	3,498	34	5,934	57	923	9	7	0	15	0	10,377
<b>Annual</b>	<b>45</b>	<b>42</b>	<b>11,418</b>	<b>32.12</b>	<b>137,970</b>	<b>38%</b>	<b>197,680</b>	<b>54%</b>	<b>29,608</b>	<b>8%</b>	<b>472</b>	<b>0%</b>	<b>1027</b>	<b>0%</b>	<b>366,757</b>
Quarter 1	45	44	3,336	32.88	47,418	43	51,976	47	9,959	9	240	0	106	0	109,698
Quarter 2	45	41	3,020	25.70	37,067	48	31,153	40	9,088	12	193	0	110	0	77,611
Quarter 3	44	42	2,872	35.38	31,834	31	64,298	63	5,144	5	21	0	291	0	101,588
Quarter 4	44	39	2,190	35.55	21,651	28	50,253	65	5,417	7	19	0	521	1	77,860
First Semester	45	43	6,356	29.47	84,484	45	83,129	44	19,047	10	433	0	216	0	187,309
Second Semester	44	40	5,062	35.45	53,485	30	114,551	64	10,561	6	39	0	812	0	179,448

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	54.07	17,345	29	37,669	64	3,921	7	4	0	72	0	59,011
Feb	44	44	987	56.61	17,904	32	34,291	61	3,606	6	9	0	65	0	55,875
Mar	44	44	1,075	36.05	12,514	32	23,659	61	2,440	6	14	0	135	0	38,762
Apr	44	41	1,028	36.88	12,035	32	23,098	61	2,350	6	9	0	406	1	37,898
May	44	41	920	26.89	5,733	23	17,460	71	947	4	4	0	602	2	24,746
Jun	44	40	739	26.91	7,925	40	10,710	54	1,110	6	6	0	147	1	19,898
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>44</b>	<b>42</b>	<b>5,841</b>	<b>40.44</b>	<b>73,457</b>	<b>31%</b>	<b>146,887</b>	<b>62%</b>	<b>14,373</b>	<b>6%</b>	<b>46</b>	<b>0%</b>	<b>1426</b>	<b>1%</b>	<b>236,190</b>
Quarter 1	44	44	3,154	48.72	47,764	31	95,619	62	9,966	6	27	0	272	0	153,648
Quarter 2	44	41	2,687	30.71	25,693	31	51,268	62	4,407	5	19	0	1154	1	82,541
Quarter 3															
Quarter 4															
First Semester	44	42	5,841	40.44	73,457	31	146,887	62	14,373	6	46	0	1426	1	236,190
Second Semester															

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

(Database Closed on 09/08/2019)

Country: SEYCHELLES

Year: 2017

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	13	12	307	35.12	4,042	37	5,673	53	1,060	10	2	0	10	0	10,787
Feb	13	13	299	41.65	4,592	37	6,624	53	1,229	10	0	0	3	0	12,449
Mar	13	12	288	41.30	4,501	38	6,289	53	1,115	9	2	0	0	0	11,907
Apr	13	11	247	33.51	3,972	48	3,339	40	952	12	0	0	0	0	8,263
May	13	12	291	20.16	2,162	37	3,083	52	629	11	0	0	1	0	5,875
Jun	13	12	306	30.52	4,572	49	3,451	37	1,251	13	50	1	24	0	9,348
Jul	13	13	280	34.44	3,210	33	5,811	60	538	6	0	0	80	1	9,639
Aug	13	12	313	35.43	3,382	30	7,285	66	415	4	0	0	19	0	11,101
Sep	13	12	290	49.11	3,980	28	9,667	68	493	3	1	0	122	1	14,264
Oct	13	13	278	49.95	3,171	23	9,379	67	947	7	0	0	402	3	13,899
Nov	13	13	261	46.53	3,220	27	8,107	67	799	7	1	0	20	0	12,147
Dec	13	12	109	23.13	906	36	1,287	51	334	13	0	0	0	0	2,526
<b>Annual</b>	<b>13</b>	<b>12</b>	<b>3,271</b>	<b>37.36</b>	<b>41,711</b>	<b>34%</b>	<b>69,994</b>	<b>57%</b>	<b>9,761</b>	<b>8%</b>	<b>56</b>	<b>0%</b>	<b>681</b>	<b>1%</b>	<b>122,202</b>
Quarter 1	13	12	894	39.30	13,136	37	18,586	53	3,403	10	4	0	13	0	35,142
Quarter 2	13	12	844	27.82	10,705	46	9,873	42	2,832	12	50	0	25	0	23,486
Quarter 3	13	12	884	39.61	10,572	30	22,762	65	1,446	4	1	0	221	1	35,003
Quarter 4	13	13	649	44.06	7,297	26	18,773	66	2,079	7	1	0	422	1	28,571
First Semester	13	12	1,738	33.72	23,842	41	28,459	49	6,235	11	54	0	38	0	58,628
Second Semester	13	13	1,532	41.49	17,869	28	41,535	65	3,525	6	2	0	643	1	63,575

Country: SEYCHELLES

Year: 2018

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	Bigeye (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															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>13</b>	<b>12</b>	<b>1,577</b>	<b>43.63</b>	<b>19,743</b>	<b>29%</b>	<b>44,273</b>	<b>64%</b>	<b>4,432</b>	<b>6%</b>	<b>8</b>	<b>0%</b>	<b>348</b>	<b>1%</b>	<b>68,803</b>
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															
Quarter 4															
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															

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

(Database Closed on 09/08/2019)

Country: SPAIN

Year: 2017

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	14	14	377	31.74	4,202	35	6,449	54	1,237	10	28	0	34	0	11,950
Feb	14	14	356	45.93	7,093	43	7,893	48	1,345	8	0	0	0	0	16,331
Mar	14	14	363	45.63	6,648	40	8,508	51	1,401	8	0	0	0	0	16,558
Apr	14	14	376	35.50	5,729	43	5,765	43	1,817	14	24	0	0	0	13,335
May	14	13	319	27.77	4,962	56	3,094	35	753	9	47	1	0	0	8,856
Jun	14	13	327	28.71	4,582	49	3,387	36	1,424	15	0	0	0	0	9,393
Jul	14	13	319	40.04	4,251	33	6,990	55	1,539	12	0	0	0	0	12,780
Aug	14	12	296	42.98	3,955	31	8,312	65	467	4	0	0	0	0	12,733
Sep	14	13	262	62.55	4,636	28	11,064	67	710	4	0	0	0	0	16,411
Oct	14	14	387	55.73	5,562	26	14,432	67	1,572	7	0	0	0	0	21,566
Nov	14	12	69	40.62	840	30	1,782	64	170	6	0	0	0	0	2,791
Dec	14	9	73	1.56	27	24	66	58	21	18	0	0	0	0	114
<b>Annual</b>	<b>14</b>	<b>13</b>	<b>3,523</b>	<b>40.54</b>	<b>52,488</b>	<b>37%</b>	<b>77,742</b>	<b>54%</b>	<b>12,455</b>	<b>9%</b>	<b>99</b>	<b>0%</b>	<b>34</b>	<b>0%</b>	<b>142,818</b>
Quarter 1	14	14	1,095	40.95	17,943	40	22,850	51	3,984	9	28	0	34	0	44,839
Quarter 2	14	13	1,022	30.91	15,273	48	12,246	39	3,994	13	71	0	0	0	31,584
Quarter 3	14	13	878	47.76	12,842	31	26,366	63	2,716	6	0	0	0	0	41,924
Quarter 4	14	12	529	46.29	6,430	26	16,280	67	1,762	7	0	0	0	0	24,471
First Semester	14	14	2,117	36.10	33,217	43	35,096	46	7,978	10	99	0	34	0	76,423
Second Semester	14	12	1,407	47.21	19,271	29	42,646	64	4,478	7	0	0	0	0	66,395

Country: SPAIN

Year: 2018

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	14	14	337	73.95	7,088	28	16,216	65	1,609	6	0	0	11	0	24,924
Feb	14	13	313	78.50	7,735	32	15,278	62	1,531	6	0	0	0	0	24,544
Mar	14	14	332	46.56	4,867	31	9,628	62	958	6	0	0	0	0	15,453
Apr	14	13	338	50.61	5,453	32	10,714	63	960	6	0	0	2	0	17,129
May	14	14	316	44.57	2,899	21	10,361	73	389	3	0	0	457	3	14,107
Jun	14	14	184	43.38	2,454	31	5,069	64	351	4	0	0	104	1	7,977
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>14</b>	<b>14</b>	<b>1,820</b>	<b>57.20</b>	<b>30,497</b>	<b>29%</b>	<b>67,266</b>	<b>65%</b>	<b>5,798</b>	<b>6%</b>	<b>0</b>	<b>0%</b>	<b>574</b>	<b>1%</b>	<b>104,135</b>
Quarter 1	14	14	982	66.14	19,691	30	41,122	63	4,098	6	0	0	11	0	64,921
Quarter 2	14	14	839	46.75	10,806	28	26,144	67	1,700	4	0	0	563	1	39,213
Quarter 3															
Quarter 4															
First Semester	14	14	1,820	57.20	30,497	29	67,266	65	5,798	6	0	0	574	1	104,135
Second Semester															

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

(Database Closed on 09/08/2019)

Country: FRANCE

Year: 2017

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	12	12	353	16.68	2,530	43	2,771	47	566	10	1	0	16	0	5,883
Feb	12	12	272	30.39	6,056	73	1,582	19	575	7	58	1	8	0	8,279
Mar	12	12	334	21.61	3,716	51	2,843	39	615	9	27	0	20	0	7,222
Apr	12	12	304	21.82	3,447	52	2,430	37	728	11	9	0	13	0	6,627
May	12	12	268	13.47	1,708	47	1,601	44	278	8	12	0	5	0	3,606
Jun	12	12	295	18.20	2,396	45	2,568	48	351	7	14	0	36	1	5,366
Jul	12	11	267	17.26	1,522	33	2,882	62	178	4	6	0	23	0	4,612
Aug	12	12	289	15.79	1,402	31	2,961	65	171	4	6	0	28	1	4,568
Sep	12	12	239	24.47	2,019	34	3,604	62	211	4	5	0	16	0	5,854
Oct	12	12	304	22.21	1,988	29	4,349	64	370	5	4	0	52	1	6,764
Nov	12	11	213	21.57	1,554	34	2,788	61	236	5	2	0	9	0	4,590
Dec	12	12	279	16.56	1,362	29	2,915	63	331	7	5	0	15	0	4,627
<b>Annual</b>	<b>12</b>	<b>12</b>	<b>3,418</b>	<b>19.89</b>	<b>29,700</b>	<b>44%</b>	<b>33,295</b>	<b>49%</b>	<b>4,611</b>	<b>7%</b>	<b>149</b>	<b>0%</b>	<b>242</b>	<b>0%</b>	<b>67,997</b>
Quarter 1	12	12	959	22.29	12,302	58	7,196	34	1,756	8	86	0	44	0	21,383
Quarter 2	12	12	866	18.01	7,551	48	6,600	42	1,358	9	35	0	55	0	15,599
Quarter 3	12	12	796	18.89	4,943	33	9,447	63	560	4	17	0	66	0	15,034
Quarter 4	12	12	797	20.06	4,904	31	10,052	63	937	6	11	0	76	0	15,980
First Semester	12	12	1,825	20.26	19,853	54	13,796	37	3,114	8	121	0	100	0	36,982
Second Semester	12	12	1,592	19.48	9,848	32	19,499	63	1,497	5	28	0	142	0	31,015

Country: FRANCE

Year: 2018

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	(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	287	32.83	3,020	32	5,854	62	517	5	3	0	19	0	9,414
Mar	12	12	317	24.66	2,616	33	4,617	59	454	6	10	0	122	2	7,819
Apr	12	10	266	21.22	1,878	33	3,126	55	528	9	7	0	104	2	5,642
May	12	11	279	11.68	1,034	32	1,937	59	242	7	3	0	44	1	3,260
Jun	12	11	251	18.06	2,009	44	2,172	48	325	7	3	0	18	0	4,528
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>12</b>	<b>11</b>	<b>1,718</b>	<b>24.22</b>	<b>14,004</b>	<b>34%</b>	<b>24,506</b>	<b>59%</b>	<b>2,748</b>	<b>7%</b>	<b>28</b>	<b>0%</b>	<b>331</b>	<b>1%</b>	<b>41,618</b>
Quarter 1	12	12	923	30.55	9,084	32	17,271	61	1,653	6	16	0	165	1	28,189
Quarter 2	12	11	796	16.88	4,920	37	7,235	54	1,095	8	13	0	166	1	13,429
Quarter 3															
Quarter 4															
First Semester	12	11	1,718	24.22	14,004	34	24,506	59	2,748	7	28	0	331	1	41,618
Second Semester															



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

(Database Closed on 09/08/2019)

Country: OTHERS

Year: 2017

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	7	6	154	14.96	920	40	1,073	47	302	13	7	0	4	0	2,306
Feb	6	6	121	30.22	2,135	58	1,151	32	323	9	36	1	6	0	3,652
Mar	6	5	113	21.00	981	41	1,119	47	191	8	79	3	5	0	2,375
Apr	6	5	99	27.88	1,332	48	944	34	459	17	1	0	29	1	2,766
May	6	4	94	15.49	638	44	673	46	150	10	1	0	1	0	1,462
Jun	6	4	94	28.85	1,567	58	818	30	295	11	34	1	0	0	2,714
Jul	6	5	98	23.95	968	41	1,225	52	160	7	1	0	0	0	2,355
Aug	5	5	111	26.52	951	32	1,879	64	108	4	0	0	0	0	2,937
Sep	5	5	105	41.14	1,558	36	2,618	60	154	4	1	0	3	0	4,334
Oct	5	3	71	49.05	1,141	33	2,071	59	260	7	3	0	12	0	3,487
Nov	5	3	66	33.84	676	30	1,410	63	140	6	2	0	11	1	2,240
Dec	5	3	79	39.31	1,203	39	1,667	54	238	8	2	0	0	0	3,110
<b>Annual</b>	<b>6</b>	<b>5</b>	<b>1,207</b>	<b>27.96</b>	<b>14,071</b>	<b>42%</b>	<b>16,649</b>	<b>49%</b>	<b>2,781</b>	<b>8%</b>	<b>168</b>	<b>0%</b>	<b>71</b>	<b>0%</b>	<b>33,739</b>
Quarter 1	6	6	388	21.48	4,036	48	3,344	40	816	10	122	1	15	0	8,333
Quarter 2	6	4	288	24.13	3,537	51	2,435	35	904	13	37	1	30	0	6,943
Quarter 3	5	5	314	30.61	3,477	36	5,722	59	422	4	2	0	3	0	9,626
Quarter 4	5	3	216	40.84	3,020	34	5,148	58	638	7	7	0	23	0	8,837
First Semester	6	5	676	22.61	7,574	50	5,778	38	1,721	11	159	1	45	0	15,276
Second Semester	5	4	531	34.78	6,497	35	10,870	59	1,060	6	9	0	26	0	18,463

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	109	42.36	2,088	45	2,201	48	292	6	0	0	22	0	4,603
Feb	5	4	101	37.65	1,679	44	1,815	48	285	8	4	0	5	0	3,788
Mar	5	4	117	27.12	1,197	38	1,787	56	188	6	2	0	2	0	3,176
Apr	5	4	122	35.05	1,498	35	2,390	56	255	6	1	0	138	3	4,281
May	5	4	132	19.78	826	32	1,613	62	166	6	0	0	7	0	2,612
Jun	5	4	145	21.94	1,926	61	1,036	33	210	7	2	0	0	0	3,174
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>5</b>	<b>4</b>	<b>725</b>	<b>29.83</b>	<b>9,213</b>	<b>43%</b>	<b>10,842</b>	<b>50%</b>	<b>1,396</b>	<b>6%</b>	<b>10</b>	<b>0%</b>	<b>174</b>	<b>1%</b>	<b>21,634</b>
Quarter 1	5	4	326	35.44	4,964	43	5,803	50	765	7	7	0	29	0	11,568
Quarter 2	5	4	399	25.24	4,249	42	5,039	50	630	6	3	0	145	1	10,066
Quarter 3															
Quarter 4															
First Semester	5	4	725	29.83	9,213	43	10,842	50	1,396	6	10	0	174	1	21,634
Second Semester															

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

(Database Closed on 09/08/2019)

Country: ALL

Semester 1, Years: 2008 - 2018

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2008	1997	15.30	20,110	66	6,853	22	2,774	9	802	3	20	0	30,559
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	1537	30.67	15,968	34	28,457	60	2,687	6	8	0	38	0	47,158

Country: ALL

Semester 2, Years: 2008 - 2017

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2008	1882	12.90	12,916	53	8,971	37	2,344	10	39	0	0	0	24,271
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

Country: ALL

Years: 2008 - 2017

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2008	3,879	14.13	33,027	60	15,825	29	5,118	9	842	2	20	0	54,831
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

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

(Database Closed on 09/08/2019)

Country: ALL

Year: 2017

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Catch Rate				Catches (MT)						Total Catch (Mt)
					Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
Jan	46	44	264	12.75	1,551	46	1,620	48	194	6	2	0	4	0	3,370
Feb	45	45	447	39.39	11,189	63	5,115	29	1,247	7	61	0	9	0	17,622
Mar	45	43	466	22.30	5,129	49	4,169	40	1,045	10	37	0	5	0	10,385
Apr	45	42	230	21.41	1,717	35	2,990	61	211	4	0	0	8	0	4,926
May	45	41	432	17.74	5,202	68	1,779	23	660	9	19	0	1	0	7,661
Jun	45	41	269	20.20	3,189	59	1,219	22	928	17	87	2	18	0	5,441
Jul	45	42	159	16.05	1,000	39	1,275	50	272	11	1	0	0	0	2,548
Aug	44	41	170	30.53	1,657	32	3,341	64	199	4	3	0	2	0	5,202
Sep	44	42	159	30.24	1,807	38	2,809	58	181	4	2	0	3	0	4,802
Oct	44	42	250	32.60	2,515	31	5,088	62	518	6	2	0	22	0	8,144
Nov	44	39	112	13.55	509	33	929	61	84	6	0	0	2	0	1,524
Dec	44	36	151	11.46	566	33	1,051	61	112	6	2	0	3	0	1,735
<b>Annual</b>	<b>45</b>	<b>42</b>	<b>3,110</b>	<b>23.59</b>	<b>36,032</b>	<b>49</b>	<b>31,383</b>	<b>43</b>	<b>5,651</b>	<b>8</b>	<b>215</b>	<b>0</b>	<b>78</b>	<b>0</b>	<b>73,360</b>
Quarter 1	45	44	1,177	26.65	17,870	57	10,904	35	2,485	8	99	0	18	0	31,377
Quarter 2	45	41	931	19.36	10,108	56	5,987	33	1,799	10	105	1	28	0	18,028
Quarter 3	44	42	488	25.73	4,465	36	7,425	59	652	5	6	0	6	0	12,552
Quarter 4	44	39	514	22.20	3,589	31	7,067	62	714	6	4	0	27	0	11,402
First Semester	45	43	2,109	23.43	27,978	57	16,891	34	4,285	9	205	0	46	0	49,405
Second Semester	44	40	1,002	23.92	8,054	34	14,492	60	1,366	6	10	0	32	0	23,955

Country: ALL

Year: 2018

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Catch Rate				Catches (MT)						Total Catch (Mt)
					Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
Jan	44	44	273	56.56	4,735	31	9,829	64	863	6	0	0	7	0	15,434
Feb	44	44	237	41.19	3,303	34	5,937	61	501	5	1	0	13	0	9,754
Mar	44	44	346	28.37	3,089	31	6,156	63	558	6	5	0	8	0	9,815
Apr	44	41	267	23.64	2,636	42	3,248	52	418	7	1	0	3	0	6,305
May	44	41	184	10.29	812	43	960	51	117	6	0	0	3	0	1,892
Jun	44	40	231	17.11	1,393	35	2,328	59	230	6	1	0	5	0	3,957
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>44</b>	<b>42</b>	<b>1,537</b>	<b>30.67</b>	<b>15,968</b>	<b>34</b>	<b>28,457</b>	<b>60</b>	<b>2,687</b>	<b>6</b>	<b>8</b>	<b>0</b>	<b>38</b>	<b>0</b>	<b>47,158</b>
Quarter 1	44	44	856	40.91	11,127	32	21,922	63	1,922	5	6	0	27	0	35,004
Quarter 2	44	41	682	17.83	4,841	40	6,535	54	765	6	2	0	10	0	12,154
Quarter 3															
Quarter 4															
First Semester	44	42	1,537	30.67	15,968	34	28,457	60	2,687	6	8	0	38	0	47,158
Second Semester															

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

(Database Closed on 09/08/2019)

Country: SEYCHELLES

Year: 2017

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	13	12	53	18.39	319	33	589	61	61	6	1	0	0	0	971
Feb	13	13	82	31.96	1,382	53	994	38	245	9	0	0	2	0	2,622
Mar	13	12	90	21.17	791	41	875	46	245	13	1	0	0	0	1,912
Apr	13	11	49	26.01	436	34	776	61	63	5	0	0	0	0	1,275
May	13	12	123	13.78	820	48	653	38	225	13	0	0	1	0	1,699
Jun	13	12	66	27.64	1,125	62	311	17	322	18	50	3	10	1	1,818
Jul	13	13	43	25.09	436	40	427	39	219	20	0	0	0	0	1,083
Aug	13	12	46	42.23	591	31	1,265	66	72	4	0	0	0	0	1,927
Sep	13	12	28	13.76	119	31	245	65	14	4	0	0	0	0	378
Oct	13	13	38	30.37	324	28	768	66	78	7	0	0	0	0	1,169
Nov	13	13	36	16.09	152	26	388	67	37	6	0	0	0	0	577
Dec	13	12	22	6.50	49	35	77	55	15	11	0	0	0	0	141
<b>Annual</b>	<b>13</b>	<b>12</b>	<b>676</b>	<b>23.05</b>	<b>6,544</b>	<b>42</b>	<b>7,368</b>	<b>47</b>	<b>1,595</b>	<b>10</b>	<b>52</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>15,572</b>
Quarter 1	13	12	225	24.45	2,492	45	2,458	45	550	10	2	0	2	0	5,504
Quarter 2	13	12	238	20.13	2,382	50	1,739	36	609	13	50	1	11	0	4,792
Quarter 3	13	12	116	29.14	1,146	34	1,937	57	305	9	0	0	0	0	3,388
Quarter 4	13	13	96	19.64	524	28	1,232	65	130	7	0	0	0	0	1,887
First Semester	13	12	463	22.23	4,874	47	4,198	41	1,160	11	52	1	13	0	10,296
Second Semester	13	13	212	24.84	1,670	32	3,170	60	435	8	0	0	0	0	5,275

Country: SEYCHELLES

Year: 2018

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	Bigeye (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															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>13</b>	<b>12</b>	<b>379</b>	<b>37.37</b>	<b>4,260</b>	<b>30</b>	<b>9,070</b>	<b>64</b>	<b>805</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>14,153</b>
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															
Quarter 4															
First Semester	13	12	379	37.37	4,260	30	9,070	64	805	6	2	0	16	0	14,153
Second Semester															

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

(Database Closed on 09/08/2019)

**Country: SPAIN**
**Year: 2017**

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	14	14	32	9.33	90	30	191	63	22	7	0	0	0	0	303
Feb	14	14	141	50.22	3,974	56	2,615	37	481	7	0	0	0	0	7,070
Mar	14	14	109	31.59	1,301	38	1,887	55	251	7	0	0	0	0	3,439
Apr	14	14	80	26.95	728	34	1,338	62	92	4	0	0	0	0	2,159
May	14	13	163	25.02	3,073	75	670	16	327	8	16	0	0	0	4,086
Jun	14	13	60	17.81	472	44	267	25	331	31	0	0	0	0	1,070
Jul	14	13	41	22.37	356	39	521	57	31	3	0	0	0	0	907
Aug	14	12	31	34.37	334	31	700	65	43	4	0	0	0	0	1,077
Sep	14	13	17	16.37	91	33	178	64	10	4	0	0	0	0	280
Oct	14	14	77	39.32	783	26	2,029	67	199	7	0	0	0	0	3,011
Nov	14	12	12	6.95	25	30	54	64	6	7	0	0	0	0	86
Dec	14	9	23	0.48	3	24	8	69	1	6	0	0	0	0	11
<b>Annual</b>	<b>14</b>	<b>13</b>	<b>786</b>	<b>29.89</b>	<b>11,232</b>	<b>48</b>	<b>10,457</b>	<b>45</b>	<b>1,793</b>	<b>8</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23,499</b>
Quarter 1	14	14	282	38.33	5,366	50	4,693	43	753	7	0	0	0	0	10,812
Quarter 2	14	13	304	24.10	4,274	58	2,275	31	751	10	16	0	0	0	7,316
Quarter 3	14	13	89	25.44	781	35	1,399	62	84	4	0	0	0	0	2,264
Quarter 4	14	12	112	27.86	811	26	2,091	67	205	7	0	0	0	0	3,107
First Semester	14	14	586	30.95	9,640	53	6,968	38	1,504	8	16	0	0	0	18,128
Second Semester	14	12	201	26.79	1,592	30	3,490	65	289	5	0	0	0	0	5,371

**Country: SPAIN**
**Year: 2018**

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	14	14	101	74.54	2,256	30	4,864	65	383	5	0	0	0	0	7,503
Feb	14	13	80	54.91	1,403	32	2,792	63	219	5	0	0	0	0	4,415
Mar	14	14	105	36.50	1,096	29	2,529	66	199	5	0	0	0	0	3,825
Apr	14	13	61	25.12	603	39	851	55	80	5	0	0	0	0	1,535
May	14	14	22	11.22	89	35	154	61	9	4	0	0	0	0	252
Jun	14	14	37	39.96	512	35	878	60	76	5	0	0	0	0	1,466
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>14</b>	<b>14</b>	<b>406</b>	<b>46.77</b>	<b>5,960</b>	<b>31</b>	<b>12,067</b>	<b>64</b>	<b>968</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,995</b>
Quarter 1	14	14	286	55.08	4,755	30	10,185	65	801	5	0	0	0	0	15,742
Quarter 2	14	14	120	27.05	1,204	37	1,883	58	166	5	0	0	0	0	3,253
Quarter 3															
Quarter 4															
First Semester	14	14	406	46.77	5,960	31	12,067	64	968	5	0	0	0	0	18,995
Second Semester															

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

(Database Closed on 09/08/2019)

Country: FRANCE

Year: 2017

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	12	12	139	12.53	960	55	692	40	86	5	1	0	3	0	1,742
Feb	12	12	153	35.64	4,070	75	981	18	356	7	40	1	7	0	5,455
Mar	12	12	197	20.41	2,583	64	958	24	471	12	15	0	4	0	4,029
Apr	12	12	77	15.16	446	38	679	58	41	3	0	0	7	1	1,173
May	12	12	116	11.83	922	67	368	27	79	6	1	0	0	0	1,369
Jun	12	12	110	15.68	1,071	62	446	26	198	11	3	0	8	0	1,727
Jul	12	11	58	6.28	148	41	198	55	14	4	1	0	0	0	361
Aug	12	12	58	19.26	368	33	694	62	44	4	3	0	2	0	1,111
Sep	12	12	65	24.09	592	38	904	58	64	4	1	0	3	0	1,565
Oct	12	12	104	25.61	894	33	1,613	60	146	5	1	0	16	1	2,671
Nov	12	11	54	13.82	294	40	412	56	33	5	0	0	2	0	742
Dec	12	12	94	14.65	449	33	840	61	82	6	2	0	3	0	1,377
<b>Annual</b>	<b>12</b>	<b>12</b>	<b>1,225</b>	<b>19.04</b>	<b>12,798</b>	<b>55</b>	<b>8,785</b>	<b>38</b>	<b>1,613</b>	<b>7</b>	<b>69</b>	<b>0</b>	<b>57</b>	<b>0</b>	<b>23,322</b>
Quarter 1	12	12	489	22.93	7,613	68	2,631	23	912	8	56	0	14	0	11,227
Quarter 2	12	12	303	14.08	2,439	57	1,493	35	318	7	4	0	16	0	4,270
Quarter 3	12	12	180	16.86	1,108	36	1,796	59	122	4	5	0	6	0	3,036
Quarter 4	12	12	252	19.01	1,637	34	2,866	60	261	5	3	0	21	0	4,789
First Semester	12	12	793	19.55	10,053	65	4,124	27	1,230	8	60	0	30	0	15,496
Second Semester	12	12	432	18.11	2,745	35	4,662	60	383	5	9	0	27	0	7,825

Country: FRANCE

Year: 2018

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	12	12	58	24.87	515	35	830	57	103	7	0	0	4	0	1,451
Feb	12	12	59	19.61	435	38	651	56	69	6	1	0	2	0	1,158
Mar	12	12	91	13.49	398	33	746	61	72	6	2	0	7	1	1,225
Apr	12	10	97	19.84	722	37	1,049	54	157	8	1	0	1	0	1,930
May	12	11	96	9.26	441	49	380	43	69	8	0	0	3	0	893
Jun	12	11	103	17.35	657	37	1,016	57	117	7	0	0	5	0	1,795
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>12</b>	<b>11</b>	<b>505</b>	<b>16.72</b>	<b>3,168</b>	<b>37</b>	<b>4,671</b>	<b>55</b>	<b>588</b>	<b>7</b>	<b>4</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>8,453</b>
Quarter 1	12	12	208	18.41	1,348	35	2,226	58	244	6	3	0	12	0	3,834
Quarter 2	12	11	297	15.54	1,820	39	2,445	53	344	7	1	0	9	0	4,619
Quarter 3															
Quarter 4															
First Semester	12	11	505	16.72	3,168	37	4,671	55	588	7	4	0	21	0	8,453
Second Semester															

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

(Database Closed on 09/08/2019)

Country: OTHERS

Year: 2017

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	7	6	40	8.85	182	51	147	42	25	7	0	0	0	0	354
Feb	6	6	72	34.60	1,763	71	525	21	165	7	21	1	0	0	2,474
Mar	6	5	69	14.55	454	45	450	45	79	8	21	2	1	0	1,005
Apr	6	5	24	13.52	106	33	197	62	15	5	0	0	1	0	319
May	6	4	30	17.16	388	76	89	18	29	6	1	0	0	0	507
Jun	6	4	33	24.73	520	63	194	24	77	9	34	4	0	0	825
Jul	6	5	18	11.24	61	31	129	65	8	4	0	0	0	0	197
Aug	5	5	36	30.40	364	34	683	63	40	4	0	0	0	0	1,087
Sep	5	5	49	52.38	1,005	39	1,481	57	93	4	1	0	0	0	2,579
Oct	5	3	30	42.42	514	40	678	52	95	7	1	0	5	0	1,293
Nov	5	3	11	11.23	37	31	74	62	8	7	0	0	0	0	120
Dec	5	3	13	15.83	66	32	126	61	14	7	0	0	0	0	206
<b>Annual</b>	<b>6</b>	<b>5</b>	<b>424</b>	<b>25.87</b>	<b>5,459</b>	<b>50</b>	<b>4,773</b>	<b>44</b>	<b>649</b>	<b>6</b>	<b>78</b>	<b>1</b>	<b>8</b>	<b>0</b>	<b>10,967</b>
Quarter 1	6	6	181	21.22	2,399	63	1,122	29	269	7	41	1	2	0	3,833
Quarter 2	6	4	86	19.09	1,014	61	480	29	122	7	35	2	1	0	1,651
Quarter 3	5	5	103	37.68	1,430	37	2,292	59	141	4	1	0	0	0	3,864
Quarter 4	5	3	54	29.89	617	38	879	54	117	7	1	0	5	0	1,619
First Semester	6	5	267	20.53	3,412	62	1,602	29	391	7	76	1	3	0	5,484
Second Semester	5	4	157	34.99	2,046	37	3,171	58	258	5	2	0	5	0	5,483

Country: OTHERS

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	5	5	39	27.67	499	47	506	47	64	6	0	0	0	0	1,069
Feb	5	4	22	29.96	361	55	269	41	29	4	0	0	0	0	658
Mar	5	4	51	31.86	642	39	913	56	82	5	2	0	1	0	1,640
Apr	5	4	48	31.62	857	56	566	37	105	7	0	0	0	0	1,528
May	5	4	34	9.63	122	37	185	56	23	7	0	0	0	0	329
Jun	5	4	53	6.32	100	30	210	63	23	7	0	0	0	0	333
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
<b>Annual</b>	<b>5</b>	<b>4</b>	<b>247</b>	<b>22.48</b>	<b>2,580</b>	<b>46</b>	<b>2,649</b>	<b>48</b>	<b>326</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>5,557</b>
Quarter 1	5	4	112	30.04	1,502	45	1,688	50	175	5	2	0	1	0	3,367
Quarter 2	5	4	135	16.20	1,078	49	961	44	151	7	0	0	0	0	2,190
Quarter 3															
Quarter 4															
First Semester	5	4	247	22.48	2,580	46	2,649	48	326	6	2	0	1	0	5,557
Second Semester															



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

(Database Closed on 09/08/2019)

**Country: SEYCHELLES**
**Year: 2017**

Area	Quarter	Effort	Catch Rate	Catches		Skipjack		Bigeye		Albacore		Others		Total	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	Yellowfin (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	
SYC EEZ	1	225	24.45	2,492	45	2,458	45	550	10	2	0	2	0.0	5,504	5,504
	2	238	20.13	2,382	50	1,739	36	609	13	50	1	11	0.2	4,792	10,296
	3	116	29.14	1,146	34	1,937	57	305	9	0	0	0	0.0	3,388	13,685
	4	96	19.64	524	28	1,232	65	130	7	0	0	0	0.0	1,887	15,572
<b>SYC EEZ Total</b>		<b>676</b>	<b>23.05</b>	<b>6,544</b>	<b>42</b>	<b>7,368</b>	<b>47</b>	<b>1,595</b>	<b>10</b>	<b>52</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>15,572</b>	
Foreign EEZ	1	113	42.88	1,817	37	2,707	56	322	7	0	0	0	0.0	4,847	4,847
	2	94	41.21	1,668	43	1,877	48	341	9	0	0	0	0.0	3,885	8,732
	3	9	43.40	131	32	259	64	15	4	0	0	0	0.0	405	9,138
	4	7	0.00	0	0	0	0	0	0	0	0	0	0.0	0	9,138
<b>Foreign EEZ Total</b>		<b>224</b>	<b>40.80</b>	<b>3,616</b>	<b>40</b>	<b>4,843</b>	<b>53</b>	<b>678</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,138</b>	
High Seas	1	556	44.58	8,827	36	13,420	54	2,530	10	2	0	11	0.0	24,790	24,790
	2	512	28.93	6,656	45	6,257	42	1,882	13	0	0	13	0.1	14,809	39,599
	3	758	41.17	9,295	30	20,566	66	1,126	4	1	0	221	0.7	31,210	70,809
	4	545	48.95	6,772	25	17,540	66	1,949	7	1	0	422	1.6	26,684	97,493
<b>High Seas Total</b>		<b>2,371</b>	<b>41.12</b>	<b>31,550</b>	<b>32</b>	<b>57,784</b>	<b>59</b>	<b>7,488</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>668</b>	<b>1</b>	<b>97,493</b>	
WIO Total	1	894	39.30	13,136	37	18,586	53	3,403	10	4	0	13	0	35,142	35,142
	2	844	27.82	10,705	46	9,873	42	2,832	12	50	0	25	0	23,486	58,628
	3	884	39.61	10,572	30	22,762	65	1,446	4	1	0	221	1	35,003	93,631
	4	649	44.06	7,297	26	18,773	66	2,079	7	1	0	422	1	28,571	122,202
<b>Grand Total</b>		<b>3,271</b>	<b>37.36</b>	<b>41,711</b>	<b>34</b>	<b>69,994</b>	<b>57</b>	<b>9,761</b>	<b>8</b>	<b>56</b>	<b>0</b>	<b>681</b>	<b>1</b>	<b>122,202</b>	

**Country: SEYCHELLES**
**Year: 2018**

Area	Quarter	Effort	Catch Rate	Catches		Skipjack		Bigeye		Albacore		Others		Total	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	Yellowfin (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	
SYC EEZ	1	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														14,153
	4														14,153
<b>SYC EEZ Total</b>		<b>379</b>	<b>37.37</b>	<b>4,260</b>	<b>30</b>	<b>9,070</b>	<b>64</b>	<b>805</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>14,153</b>	
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														6,648
	4														6,648
<b>Foreign EEZ Total</b>		<b>159</b>	<b>41.69</b>	<b>1,887</b>	<b>28</b>	<b>4,275</b>	<b>64</b>	<b>485</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>6,648</b>	
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														48,002
	4														48,002
<b>High Seas Total</b>		<b>1,039</b>	<b>46.21</b>	<b>13,596</b>	<b>28</b>	<b>30,928</b>	<b>64</b>	<b>3,142</b>	<b>7</b>	<b>6</b>	<b>0</b>	<b>330</b>	<b>1</b>	<b>48,002</b>	
WIO Total	1	923	53.06	14,026	40	31,422	89	3,450	10	5	0	67	0	48,970	48,970
	2	654	30.32	5,718	24	12,851	55	981	4	3	0	280	1	19,833	68,803
	3														68,803
	4														68,803
<b>Grand Total</b>		<b>1,577</b>	<b>43.63</b>	<b>19,743</b>	<b>16</b>	<b>44,273</b>	<b>36</b>	<b>4,432</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>348</b>	<b>0</b>	<b>68,803</b>	

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

(Database Closed on 09/08/2019)

Country: ALL Area: WIO Years: 2008 - 2018

School Type	Species	Catch(MT)										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*
Free School	YFT	73,283	34,969	31,579	34,431	65,283	34,461	46,270	62,075	47,714	46,797	5,546
	SKJ	17,113	10,357	10,396	9,456	3,794	5,464	6,495	7,558	7,627	6,250	1,623
	BET	9,663	5,360	3,796	6,107	7,404	4,207	5,840	9,638	2,666	10,054	946
	ALB	1,417	335	142	663	1,147	449	340	415	326	392	6
	OTH	13	0	0	0	32	4	24	56	10	5	0
	<b>Free School Total</b>	<b>101,488</b>	<b>51,021</b>	<b>45,913</b>	<b>50,657</b>	<b>77,659</b>	<b>44,584</b>	<b>58,969</b>	<b>79,741</b>	<b>58,343</b>	<b>63,498</b>	<b>8,122</b>
FAD Associated School	YFT	39,411	49,839	71,495	76,031	65,659	100,764	80,485	73,651	98,936	91,138	67,354
	SKJ	120,149	140,042	143,369	117,518	78,320	111,287	122,601	120,497	174,236	191,342	144,241
	BET	17,278	21,626	18,295	13,735	9,585	20,539	15,393	15,379	19,762	19,549	13,322
	ALB	158	85	45	81	59	50	181	121	95	80	40
	OTH	365	70	46	28	18	202	147	133	274	1,023	1,426
	<b>FAD Associated School Total</b>	<b>177,361</b>	<b>211,663</b>	<b>233,249</b>	<b>207,394</b>	<b>153,641</b>	<b>232,842</b>	<b>218,807</b>	<b>209,781</b>	<b>293,303</b>	<b>303,132</b>	<b>226,383</b>
Unidentified School	YFT	30	13	54	111	115	137	45	71	113	35	557
	SKJ	67	21	17	176	49	302	9	88	161	87	1,022
	BET	10	1	11	23	6	14	4	22	8	5	106
	ALB	0	0	0	0	0	0	3	0	0	1	0
	OTH	0	0	0	0	6	0	0	0	0	0	0
	<b>Unidentified School Total</b>	<b>107</b>	<b>34</b>	<b>82</b>	<b>311</b>	<b>176</b>	<b>452</b>	<b>61</b>	<b>181</b>	<b>282</b>	<b>127</b>	<b>1,685</b>
Total WIO Catch	YFT	112,724	84,821	103,127	110,574	131,057	135,361	126,800	135,797	146,763	137,970	73,457
	SKJ	137,330	150,420	153,782	127,150	82,163	117,053	129,105	128,143	182,024	197,680	146,887
	BET	26,951	26,987	22,102	19,864	16,995	24,760	21,236	25,039	22,435	29,608	14,373
	ALB	1,574	421	187	744	1,206	499	524	537	421	472	46
	OTH	377	70	46	28	56	206	172	188	284	1,027	1,426
		<b>Total WIO</b>	<b>278,956</b>	<b>262,719</b>	<b>279,244</b>	<b>258,361</b>	<b>231,477</b>	<b>277,879</b>	<b>277,837</b>	<b>289,704</b>	<b>351,927</b>	<b>366,757</b>

\* Data only for first semester only

Country: ALL Area: WIO Years: 2008 - 2018

School Type	Species	Catch(%)										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*
Free School	YFT	72%	69%	69%	68%	84%	77%	78%	78%	82%	74%	68%
	SKJ	17%	20%	23%	19%	5%	12%	11%	9%	13%	10%	20%
	BET	10%	11%	8%	12%	10%	9%	10%	12%	5%	16%	12%
	ALB	1%	1%	0%	1%	1%	1%	1%	1%	1%	1%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FAD Associated School	YFT	22%	24%	31%	37%	43%	43%	37%	35%	34%	30%	30%
	SKJ	68%	66%	61%	57%	51%	48%	56%	57%	59%	63%	64%
	BET	10%	10%	8%	7%	6%	9%	7%	7%	7%	6%	6%
	ALB	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
Unidentified School	YFT	28%	37%	66%	36%	65%	30%	73%	39%	40%	27%	33%
	SKJ	63%	61%	21%	57%	28%	67%	15%	49%	57%	68%	61%
	BET	9%	2%	13%	7%	3%	3%	7%	12%	3%	4%	6%
	ALB	0%	0%	0%	0%	0%	0%	5%	0%	0%	1%	0%
	OTH	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%
Total WIO	Free School	36%	19%	16%	20%	34%	16%	21%	28%	17%	17%	3%
	FAD Associated School	64%	81%	84%	80%	66%	84%	79%	72%	83%	83%	96%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%

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

(Database Closed on 09/08/2019)

Country: ALL Area: SYC EEZ Years: 2008 - 2018

School Type	Species	Catch(MT)										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*
Free School	YFT	27,772	9,314	13,869	17,352	28,264	7,225	14,758	13,993	21,467	18,966	930
	SKJ	1,542	1,993	1,299	1,719	636	670	1,263	1,813	3,172	1,671	350
	BET	3,125	1,686	872	1,969	2,004	784	1,783	1,410	818	2,823	248
	ALB	838	79	39	48	251	157	51	47	75	195	1
	OTH	6	0	0	0	0	0	0	41	6	1	0
	<b>Free School Total</b>		<b>33,282</b>	<b>13,072</b>	<b>16,079</b>	<b>21,088</b>	<b>31,155</b>	<b>8,836</b>	<b>17,854</b>	<b>17,305</b>	<b>25,540</b>	<b>23,657</b>
FAD Associated School	YFT	5,255	5,124	13,294	13,145	10,771	11,068	13,959	9,988	20,777	17,042	14,945
	SKJ	14,283	15,695	25,150	22,100	13,945	12,962	21,464	19,534	42,837	29,657	27,698
	BET	1,993	2,953	3,797	2,777	1,693	2,910	2,392	2,147	3,610	2,824	2,415
	ALB	3	2	4	12	4	4	31	40	52	20	7
	OTH	14	6	18	0	5	89	93	27	79	77	38
	<b>FAD Associated School Total</b>		<b>21,549</b>	<b>23,780</b>	<b>42,262</b>	<b>38,034</b>	<b>26,417</b>	<b>27,033</b>	<b>37,939</b>	<b>31,736</b>	<b>67,354</b>	<b>49,620</b>
Unidentified School	YFT	0	7	49	6	0	50	0	4	29	23	92
	SKJ	0	0	12	132	0	88	0	2	32	55	409
	BET	0	0	9	1	0	5	0	0	3	3	24
	ALB	0	0	0	0	0	0	0	0	0	1	0
	OTH	0	0	0	0	0	0	0	0	0	0	0
	<b>Unidentified School Total</b>		<b>0</b>	<b>7</b>	<b>71</b>	<b>139</b>	<b>0</b>	<b>143</b>	<b>0</b>	<b>6</b>	<b>64</b>	<b>83</b>
<b>Total WIO Catch</b>	YFT	<b>33,027</b>	<b>14,445</b>	<b>27,213</b>	<b>30,503</b>	<b>39,036</b>	<b>18,343</b>	<b>28,717</b>	<b>23,985</b>	<b>42,273</b>	<b>36,032</b>	<b>15,968</b>
	SKJ	<b>15,825</b>	<b>17,688</b>	<b>26,461</b>	<b>23,952</b>	<b>14,580</b>	<b>13,721</b>	<b>22,726</b>	<b>21,348</b>	<b>46,042</b>	<b>31,383</b>	<b>28,457</b>
	BET	<b>5,118</b>	<b>4,639</b>	<b>4,678</b>	<b>4,747</b>	<b>3,697</b>	<b>3,698</b>	<b>4,175</b>	<b>3,558</b>	<b>4,431</b>	<b>5,651</b>	<b>2,687</b>
	ALB	<b>842</b>	<b>81</b>	<b>42</b>	<b>60</b>	<b>254</b>	<b>161</b>	<b>83</b>	<b>87</b>	<b>127</b>	<b>215</b>	<b>8</b>
	OTH	<b>20</b>	<b>6</b>	<b>18</b>	<b>0</b>	<b>5</b>	<b>89</b>	<b>93</b>	<b>68</b>	<b>85</b>	<b>78</b>	<b>38</b>
	<b>Total WIO</b>	<b>54,831</b>	<b>36,859</b>	<b>58,412</b>	<b>59,261</b>	<b>57,572</b>	<b>36,013</b>	<b>55,794</b>	<b>49,046</b>	<b>92,958</b>	<b>73,360</b>	<b>47,158</b>

\* Data only for first semester only

Country: ALL Area: SYC EEZ Years: 2008 - 2018

School Type	Species	Catch(%)										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*
Free School	YFT	83%	71%	86%	82%	91%	82%	83%	81%	84%	80%	61%
	SKJ	5%	15%	8%	8%	2%	8%	7%	10%	12%	7%	23%
	BET	9%	13%	5%	9%	6%	9%	10%	8%	3%	12%	16%
	ALB	3%	1%	0%	0%	1%	2%	0%	0%	0%	1%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	<b>Free School Total</b>		<b>61%</b>	<b>35%</b>	<b>28%</b>	<b>36%</b>	<b>54%</b>	<b>25%</b>	<b>32%</b>	<b>35%</b>	<b>27%</b>	<b>32%</b>
FAD Associated School	YFT	24%	22%	31%	35%	41%	41%	37%	31%	31%	34%	33%
	SKJ	66%	66%	60%	58%	53%	48%	57%	62%	64%	60%	61%
	BET	9%	12%	9%	7%	6%	11%	6%	7%	5%	6%	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%
	<b>FAD Associated School Total</b>		<b>39%</b>	<b>65%</b>	<b>72%</b>	<b>64%</b>	<b>46%</b>	<b>75%</b>	<b>68%</b>	<b>65%</b>	<b>72%</b>	<b>68%</b>
Unidentified School	YFT	0%	94%	70%	4%	0%	35%	0%	65%	46%	28%	18%
	SKJ	0%	0%	17%	95%	0%	62%	0%	33%	51%	66%	78%
	BET	0%	6%	13%	1%	0%	3%	0%	2%	4%	4%	5%
	ALB	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	<b>Unidentified School Total</b>		<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>
<b>Total WIO</b>	Free School	<b>61%</b>	<b>35%</b>	<b>28%</b>	<b>36%</b>	<b>54%</b>	<b>25%</b>	<b>32%</b>	<b>35%</b>	<b>27%</b>	<b>32%</b>	<b>3%</b>
	FAD Associated School	<b>39%</b>	<b>65%</b>	<b>72%</b>	<b>64%</b>	<b>46%</b>	<b>75%</b>	<b>68%</b>	<b>65%</b>	<b>72%</b>	<b>68%</b>	<b>96%</b>
	Unidentified School	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>1%</b>

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

(Database Closed on 09/08/2019)

Country: ALL

Area: WIO

Years: 2008 - 2018

Agreement	School Type	Catch(MT)										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*
National	Free School	17,780	11,206	8,349	10,786	14,109	7,171	8,035	21,622	9,185	18,557	1,254
	FAD associated School	38,603	57,134	67,427	52,291	36,829	49,883	52,220	67,108	99,169	103,566	67,549
	Unidentified School	0	0	10	135	0	270	0	10	260	79	0
<b>National Total</b>	<b>All Schools</b>	<b>56,382</b>	<b>68,339</b>	<b>75,787</b>	<b>63,212</b>	<b>50,938</b>	<b>57,324</b>	<b>60,255</b>	<b>88,740</b>	<b>108,613</b>	<b>122,202</b>	<b>68,803</b>
European Community	Free School	78,731	34,660	32,670	31,778	48,006	29,026	41,457	50,974	36,242	37,847	3,331
	FAD associated School	125,014	135,423	151,747	136,727	100,616	157,687	150,783	127,946	172,239	178,662	144,044
	Unidentified School	107	34	71	34	176	133	61	172	22	26	1,685
<b>European Community Total</b>	<b>All Schools</b>	<b>203,852</b>	<b>170,117</b>	<b>184,488</b>	<b>168,539</b>	<b>148,798</b>	<b>186,845</b>	<b>192,301</b>	<b>179,091</b>	<b>208,503</b>	<b>216,535</b>	<b>149,061</b>
Others	Free School	4,978	5,156	4,894	8,093	15,545	8,388	9,476	7,145	12,916	7,093	3,536
	FAD associated School	13,744	19,107	14,075	18,376	16,196	25,272	15,804	14,727	21,895	20,905	14,789
	Unidentified School	0	0	0	142	0	49	0	0	0	22	0
<b>Others Total</b>	<b>All Schools</b>	<b>18,722</b>	<b>24,262</b>	<b>18,969</b>	<b>26,610</b>	<b>31,740</b>	<b>33,710</b>	<b>25,280</b>	<b>21,873</b>	<b>34,811</b>	<b>28,020</b>	<b>18,326</b>
<b>Grand Total</b>		<b>278,956</b>	<b>262,719</b>	<b>279,244</b>	<b>258,361</b>	<b>231,477</b>	<b>277,879</b>	<b>277,837</b>	<b>289,704</b>	<b>351,927</b>	<b>366,757</b>	<b>236,190</b>

\* Data only for first semester only

Agreement	School Type	Catch(%)										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*
National	Free School	32%	16%	11%	17%	28%	13%	13%	24%	8%	15%	2%
	FAD associated School	68%	84%	89%	83%	72%	87%	87%	76%	91%	85%	98%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>National Total</b>												
European Community	Free School	39%	20%	18%	19%	32%	16%	22%	28%	17%	17%	2%
	FAD associated School	61%	80%	82%	81%	68%	84%	78%	71%	83%	83%	97%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
<b>European Community Total</b>												
Others	Free School	27%	21%	26%	30%	49%	25%	37%	33%	37%	25%	19%
	FAD associated School	73%	79%	74%	69%	51%	75%	63%	67%	63%	75%	81%
	Unidentified School	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
<b>Others Total</b>												

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

(Database Closed on 09/08/2019)

Country: ALL

Area: SYC EEZ

Years: 2008 - 2018

Agreement	School Type	Catch(MT)										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*
National	Free School	4,478	3,419	2,756	4,135	5,661	1,014	1,001	3,028	3,194	4,940	296
	FAD associated School	2,921	6,187	8,067	8,918	4,585	5,457	6,574	8,617	17,946	10,575	13,857
	Unidentified School	0	0	0	135	0	21	0	6	47	57	0
<b>National Total</b>	<b>All Schools</b>	<b>7,399</b>	<b>9,606</b>	<b>10,823</b>	<b>13,187</b>	<b>10,246</b>	<b>6,492</b>	<b>7,575</b>	<b>11,650</b>	<b>21,187</b>	<b>15,572</b>	<b>14,153</b>
European Community	Free School	27,241	7,862	11,284	13,764	18,047	6,064	14,726	12,271	16,494	15,950	514
	FAD associated School	17,107	15,872	30,986	26,253	17,250	16,540	27,908	20,235	43,937	33,610	26,954
	Unidentified School	0	7	71	4	0	113	0	0	17	26	525
<b>European Community Total</b>	<b>All Schools</b>	<b>44,348</b>	<b>23,741</b>	<b>42,341</b>	<b>40,021</b>	<b>35,298</b>	<b>22,717</b>	<b>42,633</b>	<b>32,506</b>	<b>60,448</b>	<b>49,586</b>	<b>27,994</b>
Others	Free School	1,564	1,791	2,039	3,189	7,446	1,758	2,128	2,006	5,851	2,767	718
	FAD associated School	1,520	1,721	3,209	2,864	4,583	5,036	3,457	2,884	5,472	5,435	4,292
	Unidentified School	0	0	0	0	0	9	0	0	0	0	0
<b>Others Total</b>	<b>All Schools</b>	<b>3,084</b>	<b>3,512</b>	<b>5,247</b>	<b>6,053</b>	<b>12,029</b>	<b>6,804</b>	<b>5,586</b>	<b>4,890</b>	<b>11,323</b>	<b>8,202</b>	<b>5,010</b>
<b>Grand Total</b>		<b>54,831</b>	<b>36,859</b>	<b>58,412</b>	<b>59,261</b>	<b>57,572</b>	<b>36,013</b>	<b>55,794</b>	<b>49,046</b>	<b>92,958</b>	<b>73,360</b>	<b>47,158</b>

\* Data only for first semester only

Agreement	School Type	Catch(%)										
		2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018*
National	Free School	61%	36%	25%	31%	55%	16%	13%	26%	15%	32%	2%
	FAD associated School	39%	64%	75%	68%	45%	84%	87%	74%	85%	68%	98%
	Unidentified School	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
<b>National Total</b>												
European Community	Free School	61%	33%	27%	34%	51%	27%	35%	38%	27%	32%	2%
	FAD associated School	39%	67%	73%	66%	49%	73%	65%	62%	73%	68%	96%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%
<b>European Community Total</b>												
Others	Free School	51%	51%	39%	53%	62%	26%	38%	41%	52%	34%	14%
	FAD associated School	49%	49%	61%	47%	38%	74%	62%	59%	48%	66%	86%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Others Total</b>												

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

(Database Closed on 09/08/2019)

Area: SEYCHELLES EEZ

Year: 2017

Access Regime	Quarter	Effort	Catch Rate	Catches		Skipjack		Bigeye		Albacore		Others		Total	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	Yellowfin (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	
National	1	225	24.45	2,492	45	2,458	45	550	10	2	0	2	0.0	5,504	5,504
	2	238	20.13	2,382	50	1,739	36	609	13	50	1	11	0.2	4,792	10,296
	3	116	29.14	1,146	34	1,937	57	305	9	0	0	0	0.0	3,388	13,685
	4	96	19.64	524	28	1,232	65	130	7	0	0	0	0.0	1,887	15,572
<b>National Total</b>		<b>676</b>	<b>23.05</b>	<b>6,544</b>	<b>42</b>	<b>7,368</b>	<b>47</b>	<b>1,595</b>	<b>10</b>	<b>52</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>15,572</b>	
EC Agreement	1	807	28.67	13,754	59	7,566	33	1,738	8	69	0	14	0.1	23,141	23,141
	2	622	18.83	6,759	58	3,845	33	1,078	9	21	0	16	0.1	11,718	34,859
	3	292	20.79	2,178	36	3,639	60	233	4	5	0	6	0.1	6,060	40,919
	4	388	22.35	2,776	32	5,337	62	523	6	3	0	27	0.3	8,666	49,586
<b>EC Agreement Total</b>		<b>2,109</b>	<b>23.51</b>	<b>25,468</b>	<b>51</b>	<b>20,386</b>	<b>41</b>	<b>3,572</b>	<b>7</b>	<b>98</b>	<b>0</b>	<b>62</b>	<b>0</b>	<b>49,586</b>	
Others	1	145	18.83	1,624	59	880	32	197	7	29	1	2	0.1	2,732	2,732
	2	71	21.40	968	64	403	27	112	7	35	2	1	0.0	1,518	4,249
	3	80	38.73	1,140	37	1,849	60	114	4	1	0	0	0.0	3,104	7,353
	4	30	28.46	289	34	498	59	61	7	1	0	0	0.0	849	8,202
<b>Others Total</b>		<b>326</b>	<b>25.16</b>	<b>4,020</b>	<b>49</b>	<b>3,629</b>	<b>44</b>	<b>484</b>	<b>6</b>	<b>65</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>8,202</b>	
All Agrrements	1	1,177	26.65	17,870	57	10,904	35	2,485	8	99	0	18	0	31,377	31,377
	2	931	19.36	10,108	56	5,987	33	1,799	10	105	1	28	0	18,028	49,405
	3	488	25.73	4,465	36	7,425	59	652	5	6	0	6	0	12,552	61,957
	4	514	22.20	3,589	31	7,067	62	714	6	4	0	27	0	11,402	73,360
<b>Grand Total</b>		<b>3,110</b>	<b>23.59</b>	<b>36,032</b>	<b>49</b>	<b>31,383</b>	<b>43</b>	<b>5,651</b>	<b>8</b>	<b>215</b>	<b>0</b>	<b>78</b>	<b>0</b>	<b>73,360</b>	

EC Agreement: Includes Spain, France and Italy

Other Agreement: Includes Korea and Mauritius

Area: SEYCHELLES EEZ

Year: 2018

Access Regime	Quarter	Effort	Catch Rate	Catches		Skipjack		Bigeye		Albacore		Others		Total	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	Yellowfin (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	
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														14,153
	4														14,153
<b>National Total</b>		<b>379</b>	<b>37.37</b>	<b>4,260</b>	<b>30</b>	<b>9,070</b>	<b>64</b>	<b>805</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>14,153</b>	
EC Agreement	1	514	38.57	6,225	31	12,519	63	1,058	5	4	0	13	0.1	19,819	19,819
	2	459	17.80	3,114	38	4,511	55	540	7	1	0	9	0.1	8,175	27,994
	3														27,994
	4														27,994
<b>EC Agreement Total</b>		<b>973</b>	<b>28.77</b>	<b>9,339</b>	<b>33</b>	<b>17,030</b>	<b>61</b>	<b>1,598</b>	<b>6</b>	<b>5</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>27,994</b>	
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														5,010
	4														5,010
<b>Others Total</b>		<b>186</b>	<b>27.00</b>	<b>2,368</b>	<b>47</b>	<b>2,357</b>	<b>47</b>	<b>284</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,010</b>	
All Agrrements	1	856	40.91	11,127	35	21,922	70	1,922	6	6	0	27	0	35,004	35,004
	2	682	17.83	4,841	27	6,535	36	765	4	2	0	10	0	12,154	47,158
	3														47,158
	4														47,158
<b>Grand Total</b>		<b>1,537</b>	<b>30.67</b>	<b>15,968</b>	<b>22</b>	<b>28,457</b>	<b>39</b>	<b>2,687</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>38</b>	<b>0</b>	<b>47,158</b>	

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 09/08/2019)

**Country: ALL****Semester 1, Years: 2008 - 2018**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	DIEGO SUAREZ	MAURICE	MOMBASA	OTHERS*		
2008	105,991	19,445	3,404	1,349		<b>130,190</b>	<b>81%</b>
2009	86,999	32,339	10,324	950	238	<b>130,850</b>	<b>66%</b>
2010	93,761	31,587	4,586	2,694		<b>132,627</b>	<b>71%</b>
2011	89,174	20,174	13,454	1,040		<b>123,843</b>	<b>72%</b>
2012	92,675	19,595	13,000	2,937		<b>128,207</b>	<b>72%</b>
2013	94,013	19,955	8,951			<b>122,919</b>	<b>76%</b>
2014	114,826	3,023	9,390	3,971		<b>131,211</b>	<b>88%</b>
2015	127,488	7,679	3,093	3,241		<b>141,501</b>	<b>90%</b>
2016	141,230	3,335	2,285			<b>146,851</b>	<b>96%</b>
2017	176,719	6,558	1,879			<b>185,156</b>	<b>95%</b>
2018	216,012	1,483	6,018			<b>223,513</b>	<b>97%</b>

\*Others include Dar Es Salaam, Bandar-Abbas, Phuket and Suez (Egypt)

**Country: ALL****Semester 2, Years: 2008 - 2018**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	DIEGO SUAREZ	MAURICE	MOMBASA	OTHERS*		
2008	141,984	2,003	2,691		539	<b>147,216</b>	<b>96%</b>
2009	127,321	1,110	1,184	1,237	1,735	<b>132,587</b>	<b>96%</b>
2010	134,308		4,844	1,883		<b>141,035</b>	<b>95%</b>
2011	124,988		9,606	409		<b>135,003</b>	<b>93%</b>
2012	94,065	1,001	8,844	3,340		<b>107,251</b>	<b>88%</b>
2013	139,561	4,287	9,297	1,527		<b>154,672</b>	<b>90%</b>
2014	130,948	1,514	7,368	1,507		<b>141,338</b>	<b>93%</b>
2015	141,361	175	2,981			<b>144,517</b>	<b>98%</b>
2016	187,068		3,171			<b>190,238</b>	<b>98%</b>
2017	165,151	1,301	3,336			<b>169,788</b>	<b>97%</b>

\*Others include Abidjan, Dar Es Salaam, Espagne

**Country: ALL****Years: 2008 - 2018**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	DIEGO SUAREZ	MAURICE	MOMBASA	OTHERS*		
2008	247,975	21,448	6,095	1,349	539	<b>277,406</b>	<b>89%</b>
2009	214,320	33,449	11,508	2,186	1,973	<b>263,437</b>	<b>81%</b>
2010	228,069	31,587	9,429	4,576		<b>273,661</b>	<b>83%</b>
2011	214,163	20,174	23,061	1,449		<b>258,846</b>	<b>83%</b>
2012	186,740	20,597	21,844	6,277		<b>235,458</b>	<b>79%</b>
2013	233,574	24,242	18,247	1,527		<b>277,591</b>	<b>84%</b>
2014	245,774	4,538	16,758	5,479		<b>272,549</b>	<b>90%</b>
2015	268,849	7,855	6,074	3,241		<b>286,019</b>	<b>94%</b>
2016	328,298	3,335	5,456			<b>337,089</b>	<b>97%</b>
2017	341,870	7,859	5,215			<b>354,944</b>	<b>96%</b>

\*Others include Abidjan, Bandar-Abbas, Dar Es Salaam, Espagne, Phuket and Suez (Egypt)

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

(Database Closed on 09/08/2019)

Port: VICTORIA, SEYCHELLES

Year: 2017

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	3,330	2,977	514		27,249	34,070	33	34,103	34,103	100%
Feb	7,258	4,309	1,092	17	20,928	33,604	59	33,663	35,344	95%
Mar	5,131	2,138	594	46	25,115	33,025	26	33,050	36,769	90%
Apr	4,485	4,058	881	85	15,490	24,999	243	25,242	27,795	91%
May	4,642	3,305	784	1	21,720	30,453	87	30,539	30,789	99%
Jun	2,417	1,950	355	35	15,325	20,082	40	20,122	20,356	99%
Jul	3,414	4,632	668	0	18,058	26,771	38	26,809	28,110	95%
Aug	1,896	5,799	711		19,770	28,175	51	28,226	28,757	98%
Sep	2,004	7,075	865		23,394	33,338	78	33,416	33,702	99%
Oct	2,534	6,527	553		34,443	44,057	91	44,148	45,691	97%
Nov	1,289	5,031	418		18,879	25,617	41	25,658	26,635	96%
Dec	1,362	3,549	456		1,494	6,861	33	6,893	6,893	100%
<b>Annual</b>	<b>39,762</b>	<b>51,350</b>	<b>7,892</b>	<b>184</b>	<b>241,864</b>	<b>341,052</b>	<b>819</b>	<b>341,870</b>	<b>354,944</b>	<b>96%</b>
Quarter 1	15,720	9,424	2,200	63	73,292	100,699	117	100,816	106,216	95%
Quarter 2	11,545	9,313	2,020	121	52,535	75,534	370	75,903	78,940	96%
Quarter 3	7,313	17,506	2,244	0	61,221	88,284	167	88,451	90,569	98%
Quarter 4	5,185	15,107	1,427	0	54,816	76,535	165	76,700	79,219	97%
First Semester	27,264	18,737	4,221	184	125,827	176,232	487	176,719	185,156	95%
Second Semester	12,498	32,613	3,671	0	116,037	164,819	332	165,151	169,788	97%

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

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	43,713	116	43,830	43,830	100%
Feb	6,967	20,281	2,820	3	21,462	51,533	224	51,757	53,361	97%
Mar	5,504	15,234	2,260		19,659	42,657	183	42,840	46,154	93%
Apr	5,170	11,517	2,134		13,207	32,029	245	32,273	33,609	96%
May	2,665	6,726	1,015		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										
Aug										
Sep										
Oct										
Nov										
Dec										
<b>Annual</b>	<b>29,658</b>	<b>76,326</b>	<b>11,793</b>	<b>3</b>	<b>96,615</b>	<b>214,395</b>	<b>1,617</b>	<b>216,012</b>	<b>223,513</b>	<b>97%</b>
Quarter 1	18,782	53,331	7,917	3	57,869	137,903	524	138,427	143,344	97%
Quarter 2	10,875	22,995	3,875	0	38,746	76,492	1,093	77,585	80,169	97%
Quarter 3										
Quarter 4										
First Semester	29,658	76,326	11,793	3	96,615	214,395	1,617	216,012	223,513	97%
Second Semester										

\* 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 09/08/2019)

**Port: DIEGO SUAREZ, MADAGASCAR**

**Year: 2017**

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	34,103	0%
Feb					1,681	1,681	0	1,681	35,344	5%
Mar	137	278	7		2,909	3,330	0	3,330	36,769	9%
Apr					1,547	1,547	0	1,547	27,795	6%
May						0	0	0	30,789	0%
Jun						0	0	0	20,356	0%
Jul					1,301	1,301	0	1,301	28,110	5%
Aug						0	0	0	28,757	0%
Sep						0	0	0	33,702	0%
Oct						0	0	0	45,691	0%
Nov						0	0	0	26,635	0%
Dec						0	0	0	6,893	0%
<b>Annual Total</b>	<b>137</b>	<b>278</b>	<b>7</b>	<b>0</b>	<b>7,438</b>	<b>7,859</b>	<b>0</b>	<b>7,859</b>	<b>354,944</b>	<b>2%</b>
<b>Quarter 1</b>	137	278	7	0	4,590	5,011	0	5,011	106,216	5%
<b>Quarter 2</b>	0	0	0	0	1,547	1,547	0	1,547	78,940	2%
<b>Quarter 3</b>	0	0	0	0	1,301	1,301	0	1,301	90,569	1%
<b>Quarter 4</b>	0	0	0	0	0	0	0	0	79,219	0%
<b>First Semester</b>	137	278	7	0	6,137	6,558	0	6,558	185,156	4%
<b>Second Semester</b>	0	0	0	0	1,301	1,301	0	1,301	169,788	1%

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

**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	43,830	0%
Feb						0	0	0	53,361	0%
Mar						0	0	0	46,154	0%
Apr	273	706	357			1,335	0	1,335	33,609	4%
May	38	109	1			148	0	148	31,753	0%
Jun						0	0	0	14,807	0%
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
<b>Annual Total</b>	<b>311</b>	<b>815</b>	<b>357</b>	<b>0</b>	<b>0</b>	<b>1,483</b>	<b>0</b>	<b>1,483</b>	<b>223,513</b>	<b>1%</b>
<b>Quarter 1</b>	0	0	0	0	0	0	0	0	143,344	0%
<b>Quarter 2</b>	311	815	357	0	0	1,483	0	1,483	80,169	2%
<b>Quarter 3</b>										
<b>Quarter 4</b>										
<b>First Semester</b>	311	815	357	0	0	1,483	0	1,483	223,513	1%
<b>Second Semester</b>										

\* 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 09/08/2019)

**Port: PORT LOUIS, MAURITIUS**

**Year: 2017**

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	34,103	0%
Feb						0	0	0	35,344	0%
Mar					389	389	0	389	36,769	1%
Apr	493	423	89	1		1,006	0	1,006	27,795	4%
May	126	109	14			248	1	249	30,789	1%
Jun	195	30	9			234	0	234	20,356	1%
Jul						0	0	0	28,110	0%
Aug	110	384	28			522	9	530	28,757	2%
Sep	132	142	12			286	1	286	33,702	1%
Oct	429	939	29		130	1,527	15	1,542	45,691	3%
Nov	392	471	89			953	24	977	26,635	4%
Dec						0	0	0	6,893	0%
<b>Annual Total</b>	<b>1,878</b>	<b>2,498</b>	<b>269</b>	<b>1</b>	<b>519</b>	<b>5,165</b>	<b>50</b>	<b>5,215</b>	<b>354,944</b>	<b>1%</b>
<b>Quarter 1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>389</b>	<b>389</b>	<b>0</b>	<b>389</b>	<b>106,216</b>	<b>0%</b>
<b>Quarter 2</b>	<b>814</b>	<b>562</b>	<b>112</b>	<b>1</b>	<b>0</b>	<b>1,488</b>	<b>1</b>	<b>1,489</b>	<b>78,940</b>	<b>2%</b>
<b>Quarter 3</b>	<b>242</b>	<b>526</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>807</b>	<b>9</b>	<b>817</b>	<b>90,569</b>	<b>1%</b>
<b>Quarter 4</b>	<b>822</b>	<b>1,410</b>	<b>119</b>	<b>0</b>	<b>130</b>	<b>2,480</b>	<b>39</b>	<b>2,519</b>	<b>79,219</b>	<b>3%</b>
<b>First Semester</b>	<b>814</b>	<b>562</b>	<b>112</b>	<b>1</b>	<b>389</b>	<b>1,878</b>	<b>1</b>	<b>1,879</b>	<b>185,156</b>	<b>1%</b>
<b>Second Semester</b>	<b>1,064</b>	<b>1,936</b>	<b>158</b>	<b>0</b>	<b>130</b>	<b>3,287</b>	<b>49</b>	<b>3,336</b>	<b>169,788</b>	<b>2%</b>

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

**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	43,830	0%
Feb	699	740	157			1,597	7	1,604	53,361	3%
Mar	1,081	1,807	378	0		3,267	47	3,313	46,154	7%
Apr						0	0	0	33,609	0%
May	229	519	13			761	45	806	31,753	3%
Jun	156	123	9			287	7	294	14,807	2%
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
<b>Annual Total</b>	<b>2,166</b>	<b>3,189</b>	<b>557</b>	<b>0</b>	<b>0</b>	<b>5,912</b>	<b>106</b>	<b>6,018</b>	<b>223,513</b>	<b>3%</b>
<b>Quarter 1</b>	<b>1,781</b>	<b>2,547</b>	<b>535</b>	<b>0</b>	<b>0</b>	<b>4,863</b>	<b>54</b>	<b>4,917</b>	<b>143,344</b>	<b>3%</b>
<b>Quarter 2</b>	<b>385</b>	<b>642</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>1,048</b>	<b>52</b>	<b>1,100</b>	<b>80,169</b>	<b>1%</b>
<b>Quarter 3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>
<b>Quarter 4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>
<b>First Semester</b>	<b>2,166</b>	<b>3,189</b>	<b>557</b>	<b>0</b>	<b>0</b>	<b>5,912</b>	<b>106</b>	<b>6,018</b>	<b>223,513</b>	<b>3%</b>
<b>Second Semester</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>

\* 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 09/08/2019)

Port: Mombassa, Kenya

Year: 2017

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	34,103	0%
Feb						0		0	35,344	0%
Mar						0		0	36,769	0%
Apr						0		0	27,795	0%
May						0		0	30,789	0%
Jun						0		0	20,356	0%
Jul						0		0	28,110	0%
Aug						0		0	28,757	0%
Sep						0		0	33,702	0%
Oct						0		0	45,691	0%
Nov						0		0	26,635	0%
Dec						0		0	6,893	0%
<b>Annual Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>354,944</b>	<b>0%</b>
<b>Quarter 1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>106,216</b>	<b>0%</b>
<b>Quarter 2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78,940</b>	<b>0%</b>
<b>Quarter 3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>90,569</b>	<b>0%</b>
<b>Quarter 4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79,219</b>	<b>0%</b>
<b>First Semester</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>185,156</b>	<b>0%</b>
<b>Second Semester</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>169,788</b>	<b>0%</b>

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

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	43,830	0%
Feb						0		0	53,361	0%
Mar						0		0	46,154	0%
Apr						0		0	33,609	0%
May						0		0	31,753	0%
Jun						0		0	14,807	0%
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
<b>Annual Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>223,513</b>	<b>0%</b>
<b>Quarter 1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>143,344</b>	<b>0%</b>
<b>Quarter 2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,169</b>	<b>0%</b>
<b>Quarter 3</b>										
<b>Quarter 4</b>										
<b>First Semester</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>223,513</b>	<b>0%</b>
<b>Second Semester</b>										

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



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

(Database Closed on 09/08/2019)

Port: VICTORIA, SEYCHELLES

Year: 2017

	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)			
<b>Landing (Mt)</b>	Local Company	Quarter 1													0
		Quarter 2													0
		Quarter 3													0
		Quarter 4				3									3
	<b>Local Company Total</b>				<b>3</b>										<b>3</b>
IOT	IOT	Quarter 1	294	831		755	1,645	637		312	6	9	43	12,271	16,805
		Quarter 2	538	2,060	42	443	1,163	736		60	11	80	60	5,426	10,618
		Quarter 3	1,199	1,154	739	497	2,690	3,099	34	150	10	51		11,589	21,211
		Quarter 4	339	383		99	586	425		69	0			91	1,992
	<b>IOT Landing Total</b>		<b>2,370</b>	<b>4,427</b>	<b>781</b>	<b>1,794</b>	<b>6,084</b>	<b>4,897</b>	<b>34</b>	<b>592</b>	<b>27</b>	<b>140</b>	<b>103</b>	<b>29,377</b>	<b>50,626</b>
<b>Landing Total</b>														<b>50,629</b>	
<b>Transhipment (Mt)</b>	Container	Quarter 1	1,046	6,932	507	615	2,080	961	388	456	535	324	18	14,059	27,921
		Quarter 2	545	5,946	1,069	386	1,474	797		323	857	266	56	14,928	26,647
		Quarter 3	593	1,633	606	570	2,036	1,673		651	138	214	0	27,222	35,337
		Quarter 4	1,953	895		469	3,384	2,200		660	97			29,594	39,253
	<b>Container Total</b>		<b>4,137</b>	<b>15,406</b>	<b>2,183</b>	<b>2,040</b>	<b>8,974</b>	<b>5,632</b>	<b>388</b>	<b>2,089</b>	<b>1,626</b>	<b>804</b>	<b>74</b>	<b>85,804</b>	<b>129,157</b>
	Reefer	Quarter 1	454	5,639	17	447	1,414	481		389	120	48	2	46,962	55,973
		Quarter 2	658	481	205	516	2,649	935	214	277	52	96	5	32,181	38,268
		Quarter 3	608	225	557	968	1,697	1,580	2,662	301	22	708		22,410	31,736
		Quarter 4	1,121	494		562	5,461	1,918		584	6	12		25,131	35,288
<b>Reefer Total</b>		<b>2,841</b>	<b>6,838</b>	<b>779</b>	<b>2,493</b>	<b>11,221</b>	<b>4,913</b>	<b>2,876</b>	<b>1,552</b>	<b>200</b>	<b>863</b>	<b>6</b>	<b>126,683</b>	<b>161,266</b>	
<b>Transhipment Total</b>														<b>290,423</b>	
<b>Total (Mt)</b>		Quarter 1	1,794	13,401	524	1,818	5,140	2,079	388	1,158	662	381	63	73,292	100,699
		Quarter 2	1,740	8,487	1,317	1,345	5,286	2,468	214	661	919	441	121	52,535	75,534
		Quarter 3	2,400	3,012	1,901	2,034	6,423	6,352	2,696	1,102	169	973	0	61,221	88,284
		Quarter 4	3,413	1,771	0	1,133	9,431	4,543	0	1,313	103	12	0	54,816	76,535
		<b>Year Total</b>		<b>9,348</b>	<b>26,672</b>	<b>3,743</b>	<b>6,330</b>	<b>26,280</b>	<b>15,442</b>	<b>3,298</b>	<b>4,233</b>	<b>1,853</b>	<b>1,806</b>	<b>184</b>	<b>241,864</b>

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

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

Port: VICTORIA, SEYCHELLES

Year: 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)			
<b>Landing (Mt)</b>	Local Company	Quarter 1													0
		Quarter 2													0
		Quarter 3													0
		Quarter 4													0
	<b>Local Company Total</b>														0
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													0	
	Quarter 4													0	
<b>IOT Landing Total</b>		<b>2,420</b>	<b>4,538</b>		<b>602</b>	<b>5,632</b>	<b>4,299</b>		<b>1,055</b>	<b>74</b>			<b>12,542</b>	<b>31,160</b>	
<b>Landing Total</b>														<b>31,160</b>	
<b>Transshipment (Mt)</b>	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													0
		Quarter 4													0
	<b>Container Total</b>		<b>2,675</b>	<b>6,497</b>	<b>691</b>	<b>1,068</b>	<b>7,353</b>	<b>5,275</b>	<b>2,730</b>	<b>2,213</b>	<b>439</b>	<b>587</b>	<b>3</b>	<b>26,202</b>	<b>55,733</b>
	Reefer	Quarter 1	4,562	3,298	378	2,190	18,585	13,785	2,005	4,091	786	222	0	36,624	86,526
		Quarter 2	3,169	1,360	70	1,557	6,612	4,037	598	2,208	109	10	0	21,247	40,976
Quarter 3														0	
Quarter 4														0	
<b>Reefer Total</b>		<b>7,730</b>	<b>4,658</b>	<b>448</b>	<b>3,746</b>	<b>25,197</b>	<b>17,822</b>	<b>2,603</b>	<b>6,298</b>	<b>895</b>	<b>232</b>	<b>0</b>	<b>57,871</b>	<b>127,502</b>	
<b>Transshipment Total</b>														<b>183,235</b>	
<b>Total (Mt)</b>		Quarter 1	7,307	10,711	765	2,759	26,648	19,821	4,103	6,186	1,123	608	3	57,869	137,903
		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	0	0	0	0	0	0	0	0	0	0	0	0	0
		Quarter 4	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>Year Total</b>		<b>12,825</b>	<b>15,693</b>	<b>1,139</b>	<b>5,416</b>	<b>38,182</b>	<b>27,396</b>	<b>5,333</b>	<b>9,566</b>	<b>1,408</b>	<b>819</b>	<b>3</b>	<b>96,615</b>	<b>214,395</b>

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.







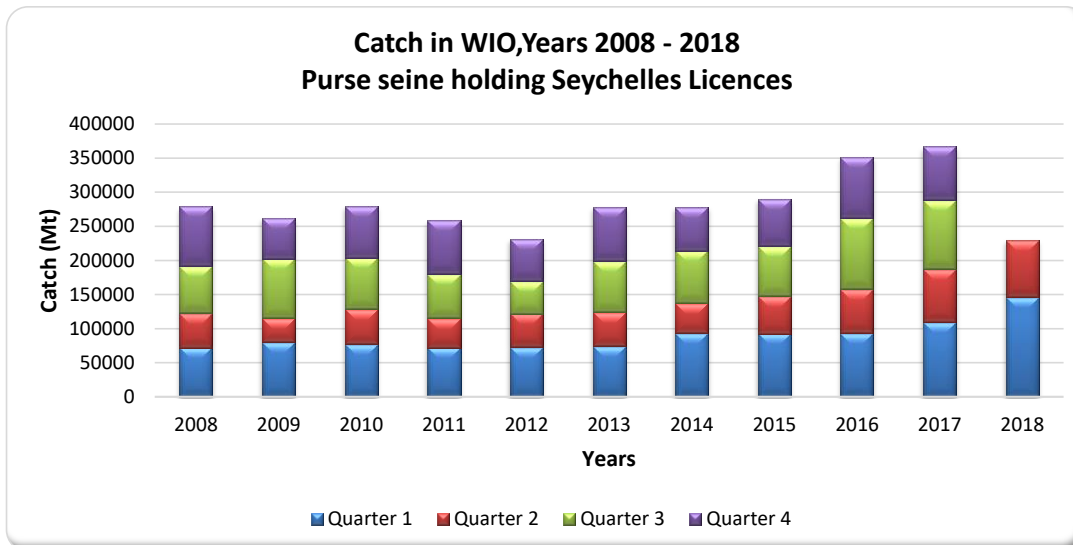


Figure 1A: Purse Seine total catch in the WIO by Year, 2008 - 2018

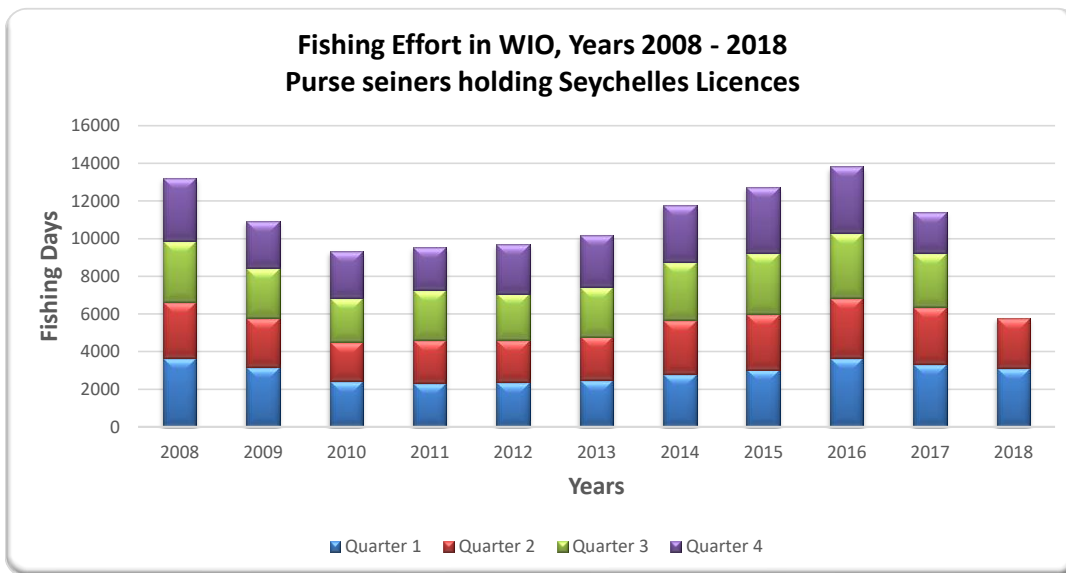


Figure 1B: Purse Seine fishing effort in the WIO by Year, 2008 - 2018

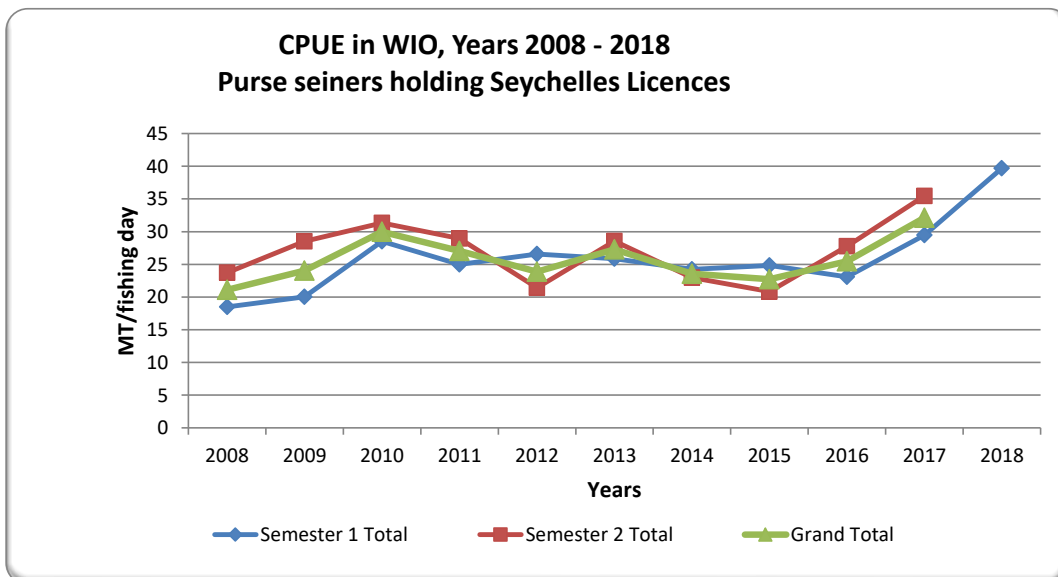


Figure 1C: Purse Seine CPUE in the WIO by Year, 2008 - 2018

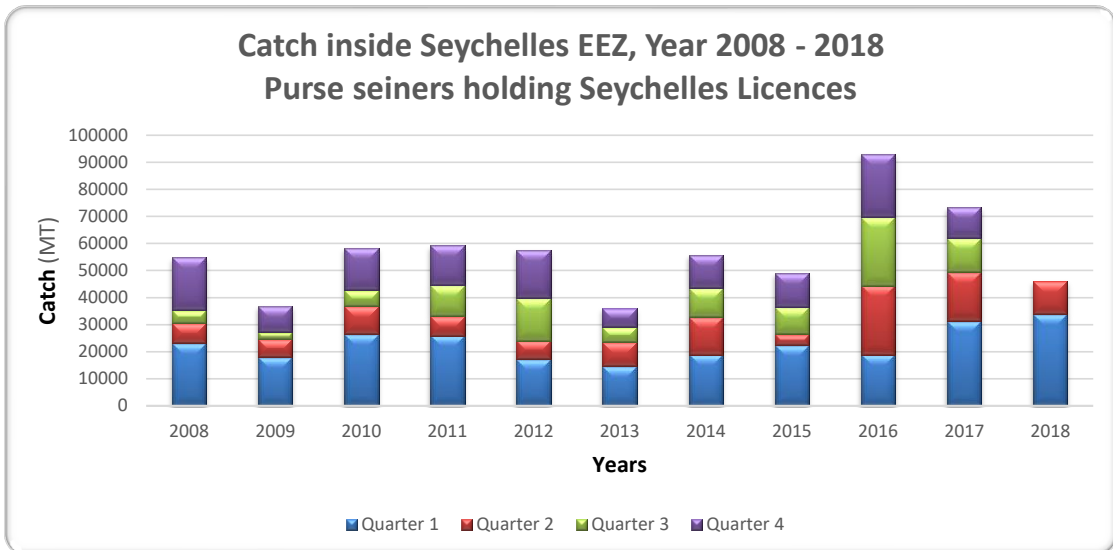


Figure 1D: Purse Seine total catch in the Seychelles EEZ by Year, 2008 - 2018

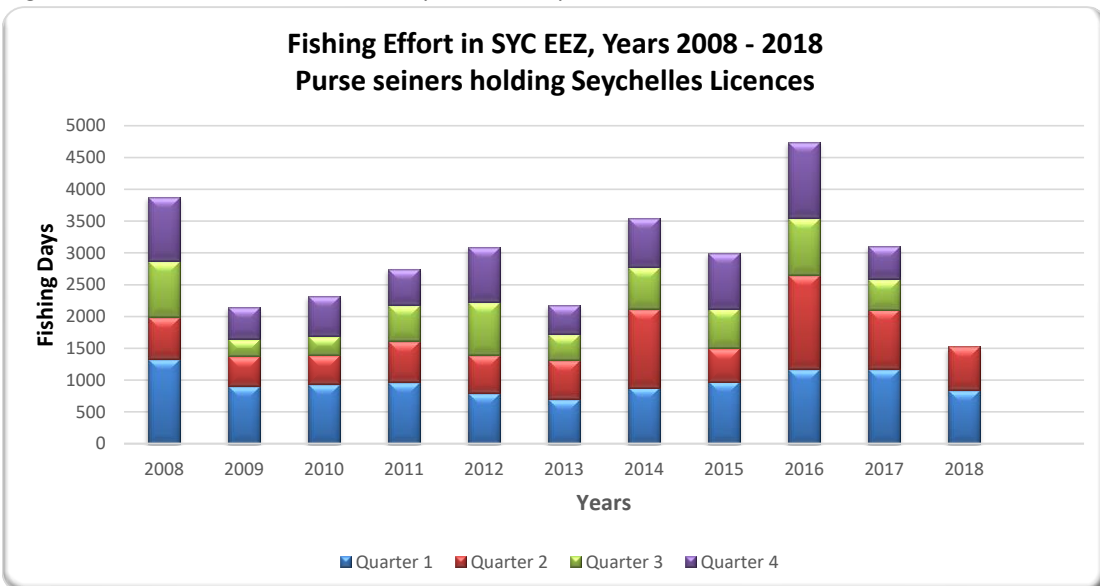


Figure 1E: Purse Seine fishing effort in the Seychelles EEZ by Year, 2008 - 2018

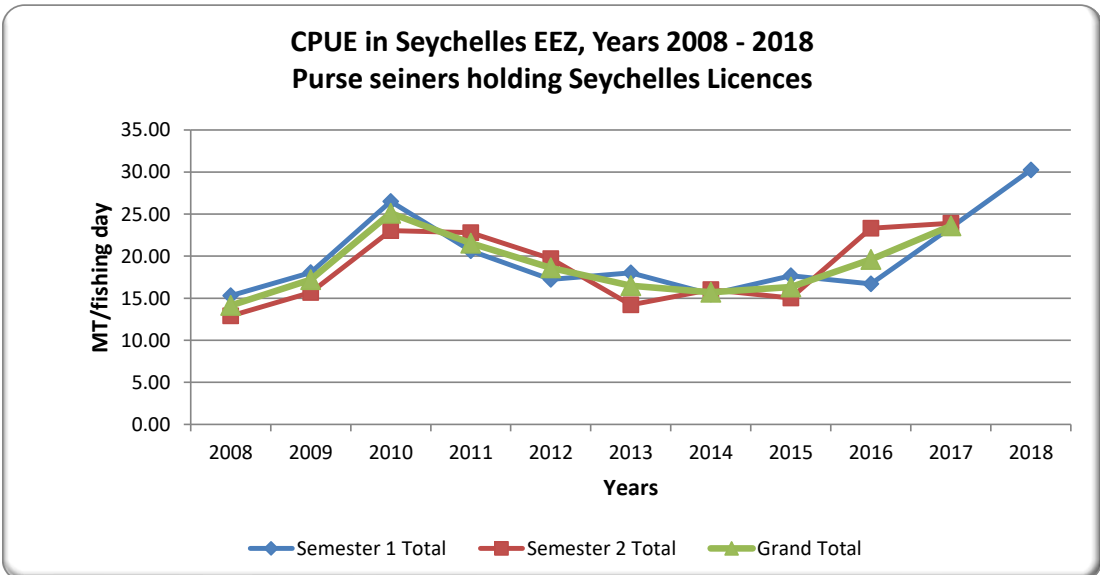


Figure 1F: Purse Seine CPUE in the Seychelles EEZ by Year, 2008 - 2018

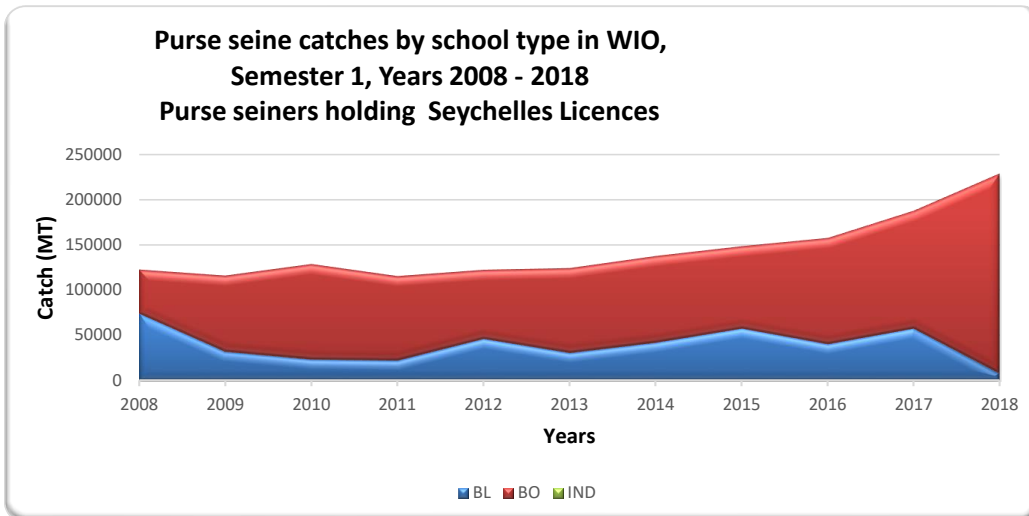


Figure 1G: Purse Seine catches by school type in WIO, Semester 1, Years 2008 - 2018

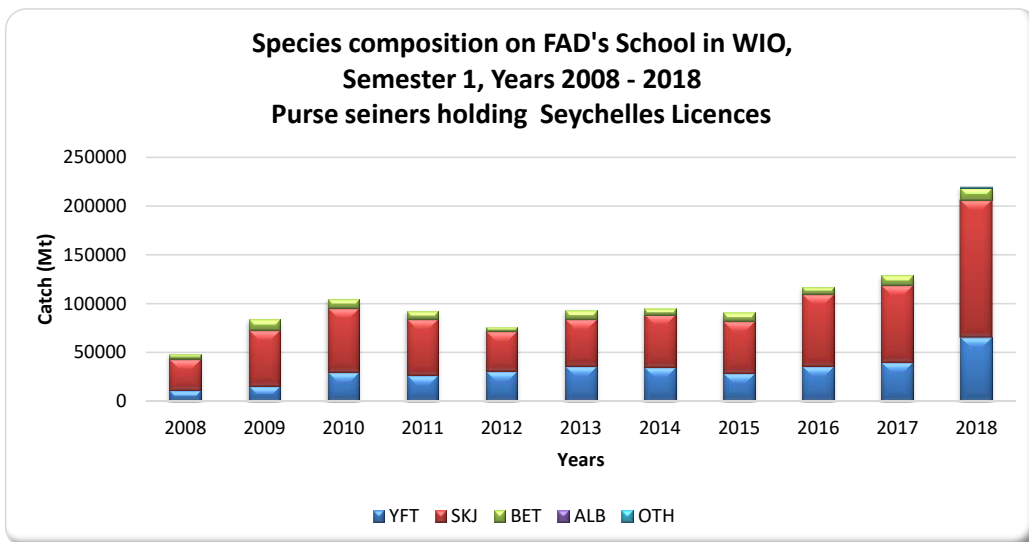


Figure 1H: Purse Seine species composition on FAD's associated school, Semester 1, Years 2008 -2018

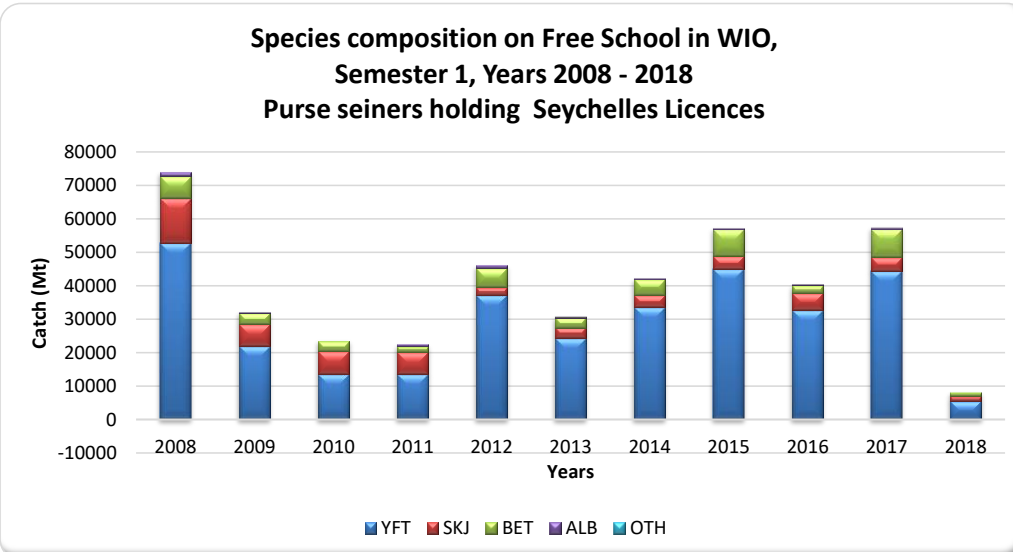


Figure 1I: Purse Seine species composition on free school, Semester 1, years 2008 -2018

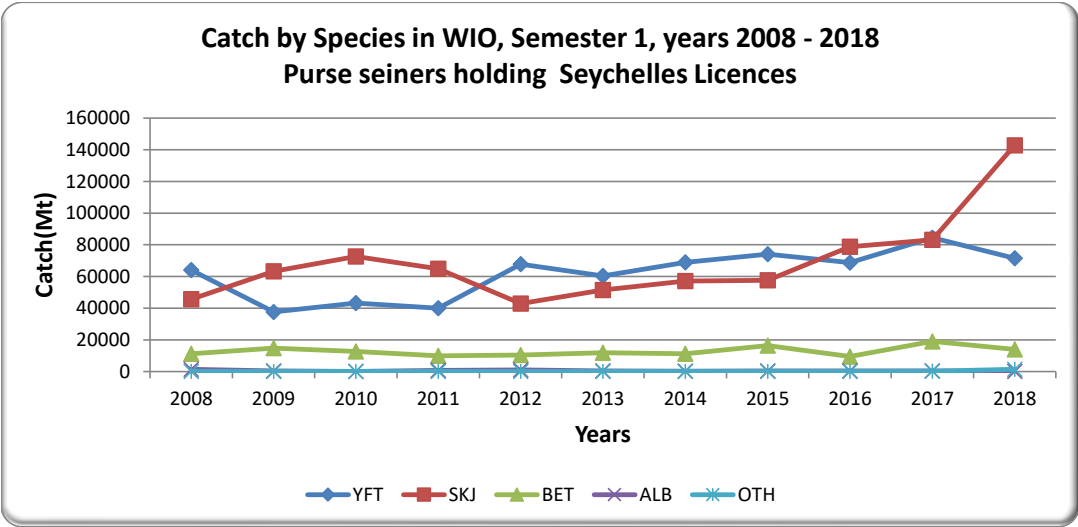


Figure 1J: Purse Seine catch by species in WIO, Semester 1, Years 2008 - 2018.

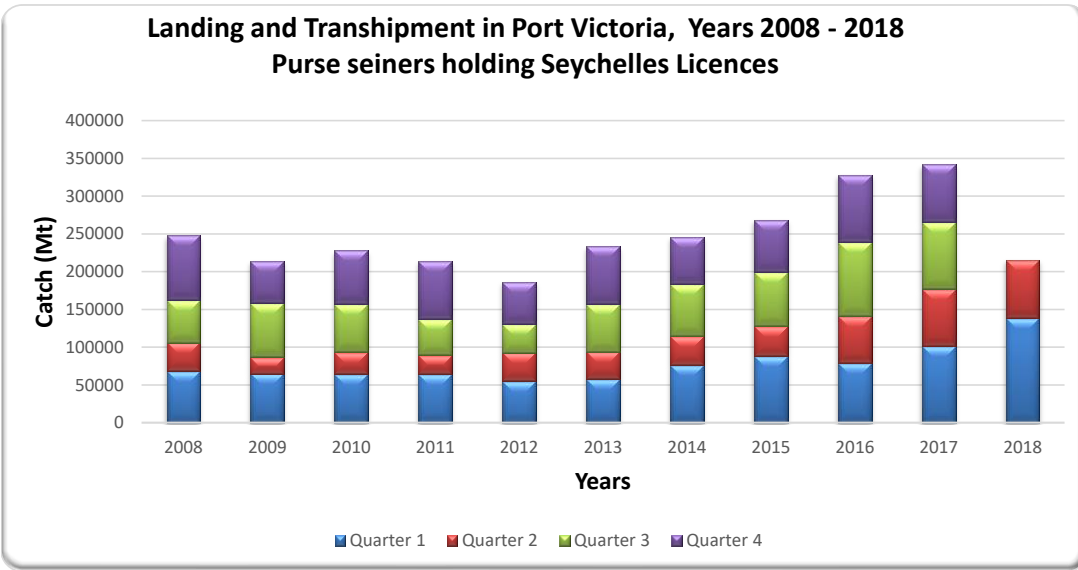


Figure 1K: Purse Seine landing and transhipment in port Victoria, Years 2008 - 2018

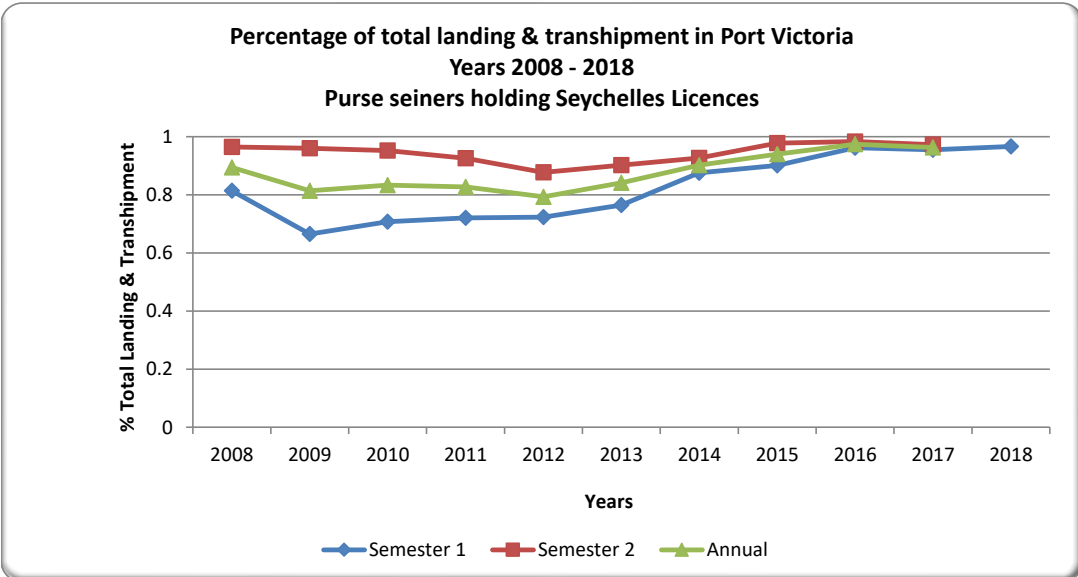
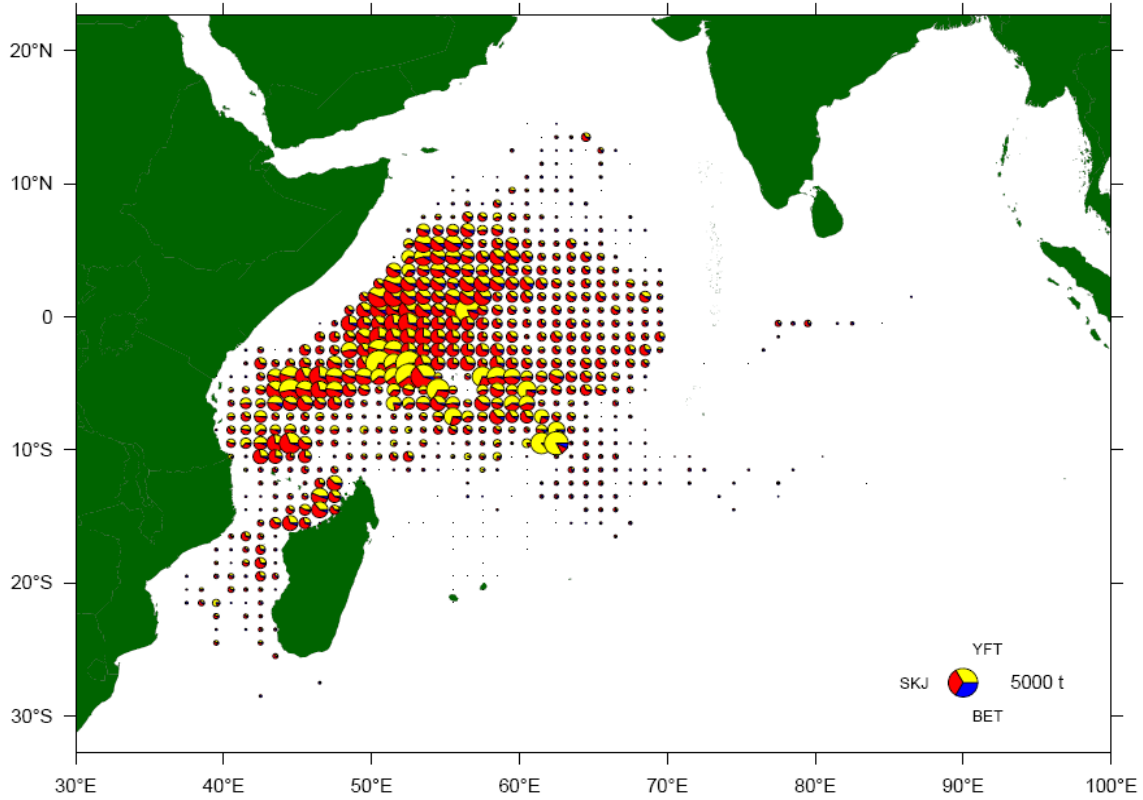


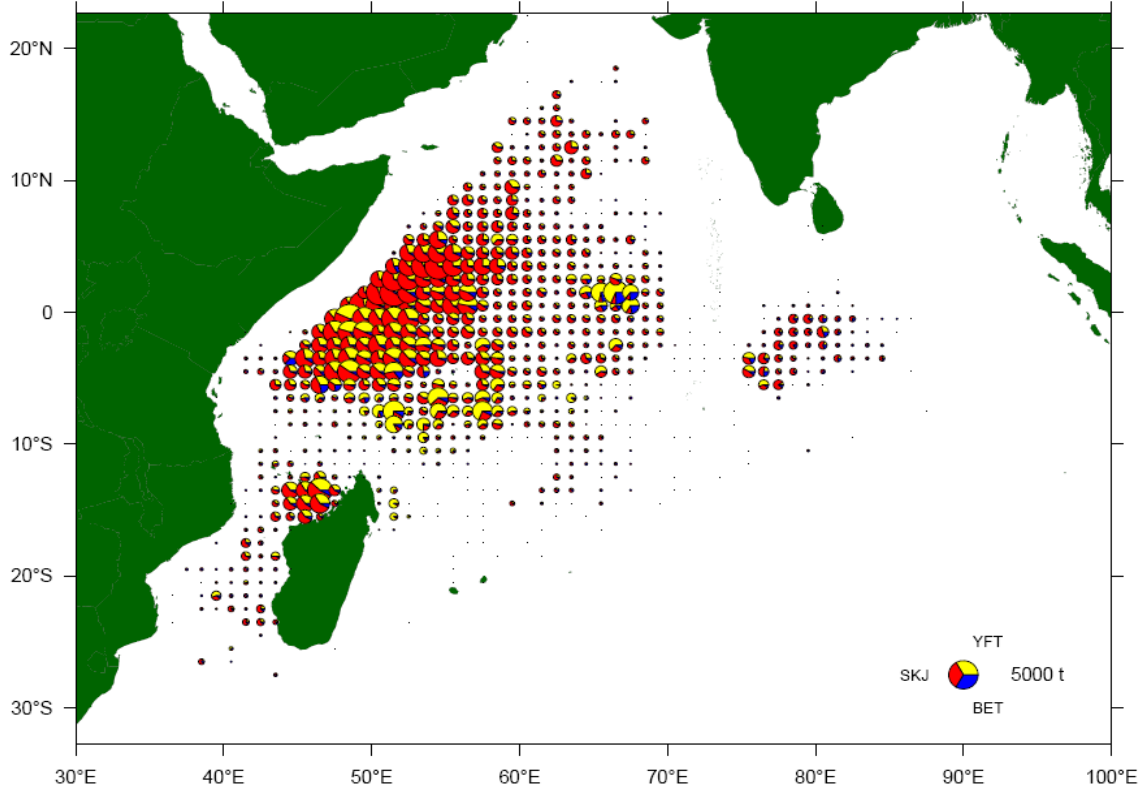
Figure 1L: Proportion of Purse Seine landing and transhipment in port Victoria, Years 2008 - 2018

# Fishing Ground Exploited by Purse Seiners

Map 1A. Purse seiners fishing ground for Year 2016

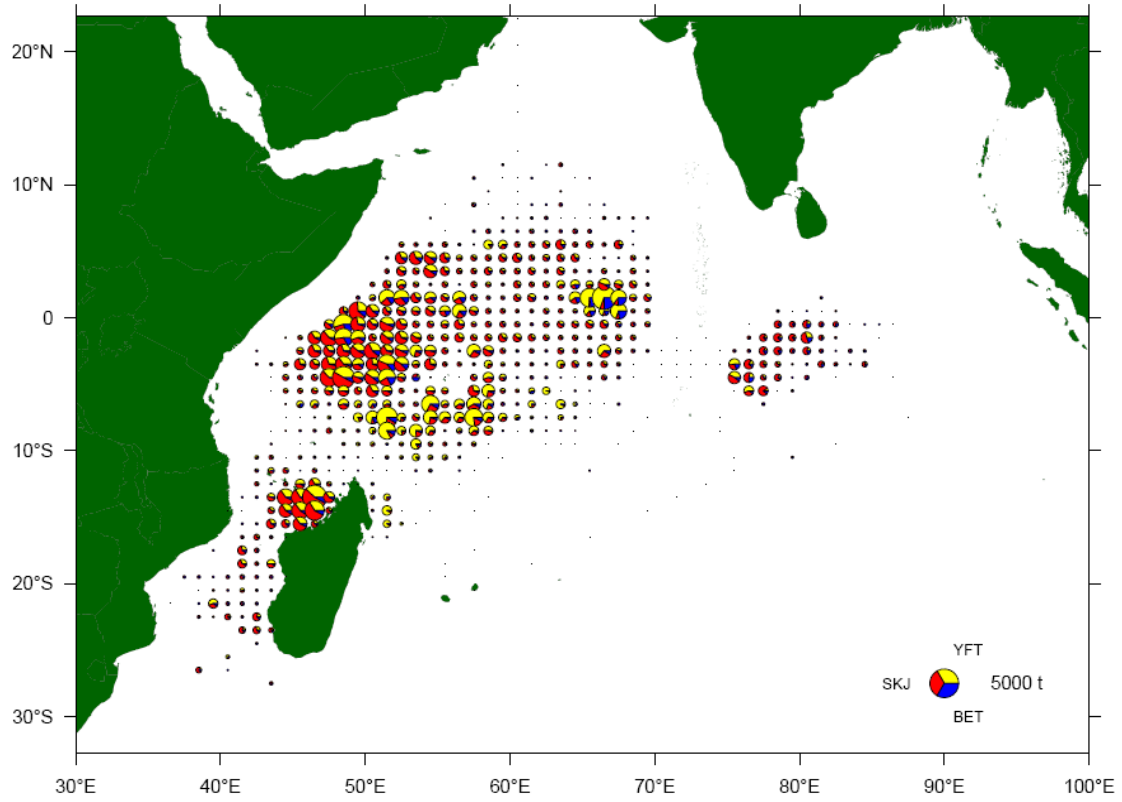


Map 1B. Purse seiners fishing ground for Year 2017

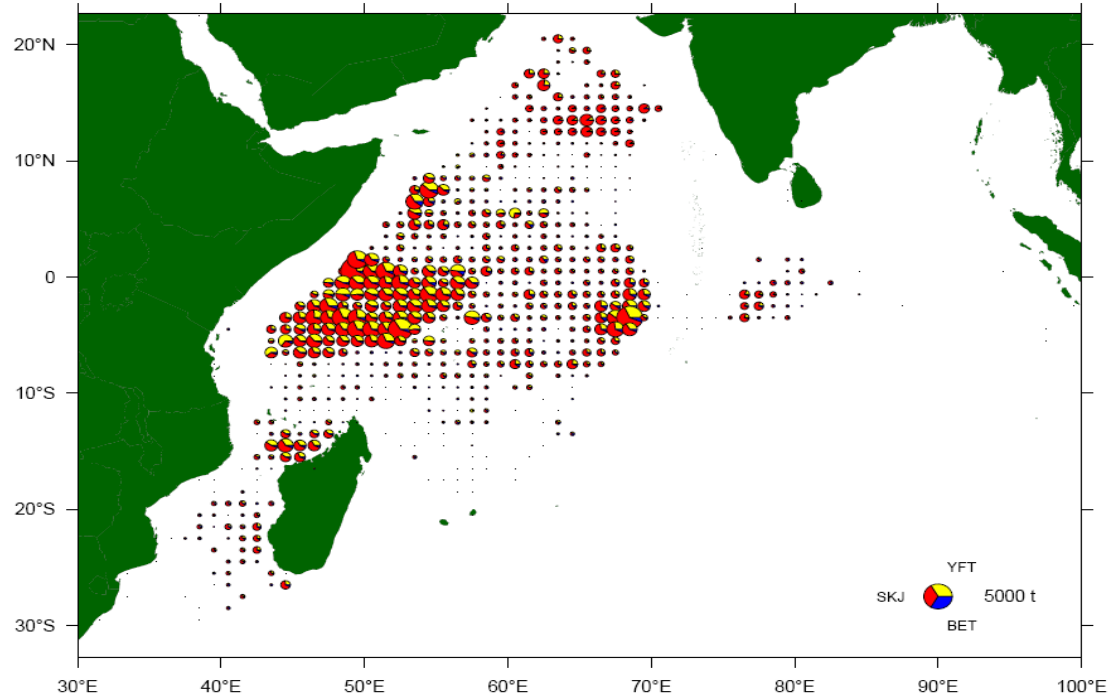


# Fishing Ground Exploited by Purse Seiners

Map 1C. Purse seiners fishing ground for 1st Semester 2017

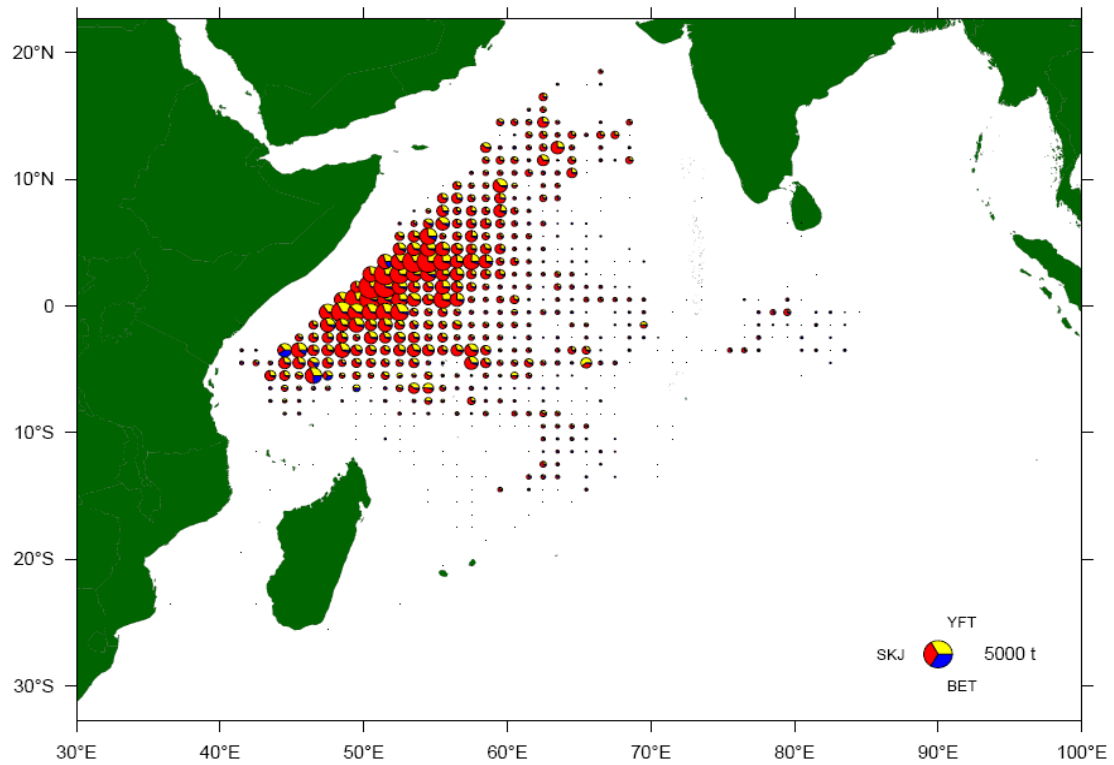


Map 1D. Purse seiners fishing ground for 1st Semester 2018



## Fishing Ground Exploited by Purse Seiners

Map 1E: Purse seiners fishing ground for 2nd Semester 2017



# Industrial Longline Fishery





## **2. SUMMARY OF INDUSTRIAL LONGLINE FISHERY**

### **2.1. *Logbook Returned***

- The statistics published for 2017 relates to 93% logbooks captured in the database at the time when those statistical tables were generated similar to previous year (Table 2.2). For the Seychelles Flagged vessels 94% of logbooks were returned to SFA for the year 2017 compared to 97% in 2016. At the close of the database for data processing, 93% of logbooks for other fleet were captured in the database for the year 2017 compared to 91% in 2016.
- The statistical tables generated in this report is based on 92% of logbook captured for first semester of 2018 compared to 95% for the same period the previous year. The Seychelles flagged statistics is based on 93% and 97% logbook captured for the first semester of 2018 and 2017 respectively. For other fleets, 92% and 94% of logbooks has been captured for the first six months of 2018 and 2017 respectively.

### **2.2. *Vessels Licensed and Active***

- Since 2008 the number of industrial longliners licensed to fish inside the Seychelles EEZ has been on a decreasing trend from 137 vessels licensed in 2008 to reach a record low of 65 vessels licensed in 2010. Since then the number of vessels taking licenses has increased to reach 187 vessels licensed in 2016 (table 2.1). This increase can be attributed to the decrease in Somalia piracy attack in the region; hence more licenses are being taken by the industrial longliners.
- In 2017, an increase of 26 vessels or 14% was recorded in number of vessels licensed to fish inside the Seychelles EEZ resulting in 213 vessels licensed compared to 187 vessels licensed the previous year. There was an increase of 17 % in number of Seychelles registered vessels from 46 vessels in 2016 to 54 vessels in 2017. The number of vessels licensed from China and South Korea also increased by 48% and 75% respectively in 2017 when compared to the previous year.
- Overall 51% of the fleet were vessels from Taiwan, 20% were from China and 25% were Seychelles Registered vessels. During the previous year, Taiwan, China and Seychelles represent 55%, 16% and 25% respectively.
- In 2018, the number of vessels licensed to fish inside the Seychelles EEZ, dropped by 3% where only 207 industrial longliners were licensed compared to 213 vessels licensed in 2017. The number of Seychelles registered vessels remain constant at 54 vessels. Similar to the previous year, the fleet was dominated by Taiwanese vessels accounting for 47% of the fleet followed by Seychelles registered vessels (26%) and vessels from china (24%).
- On average, 41 Seychelles registered longliners vessels were active per month during the year 2017 compared to 39 vessels active during 2016. In 2017, an average of 40 Taiwanese vessels and 14 Chinese vessels were active inside the Seychelles EEZ per month compared to an average of 38 Taiwanese vessels and 9 Chinese vessels active in 2016 (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 the decreasing trend since 2008 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). A decrease of 30% in catches was observed in 2013 to 16,234 MT and has since then been on an increasing trend to reach 27,309 MT in 2016. The fishing effort has been constant over the period 2012 to 2015. In 2016, a 61% increase was observed in the number of hooks set compared to the previous year. The industrial longliners displayed a steady catch rate (around 0.40 Mt/1000 hooks) over the period 2008 to 2010. In 2012, the catch rate increase to reach a peak of 0.68 Mt/1000 hooks (figure 2C) and has since then fluctuated between 0.52 MT/1000 hooks and 0.43 MT/1000 hooks.
- The total catch reported by all industrial longline fleet during the year 2017 is estimated at 23,594 MT, obtained from a fishing effort of 61.5 million hooks thus giving a mean catch rate of 0.38 MT/1000 hooks. This represents a decrease of 27% in catches and 29% in fishing effort when compared to the previous year. In 2016, a total catch of 27,309 MT was reported, achieved from a fishing effort of approximately 62.8 million hooks giving a mean catch rate of 0.43 MT/1000 hooks.
- During the first semester of 2018, a total catch of 10,040 MT was reported by the longline fleets achieved from a fishing effort of 25.2 million hooks thus giving a mean catch rate of 0.40 MT/1000 hooks. This is like same period the previous year where a total catch of 9,941 Mt was reported to have been caught from a fishing effort of 25.3 million hooks with a mean catch rate of 0.39 MT/1000 hooks.
- Monthly analysis of catch rate shows that, the highest catch rate was recorded in the month of May in 2017 (0.51 MT/1000 hooks) and 2016 (0.53 MT/1000 hooks). In 2017 highest catches were reported during the month of December which represents 16% of the annual catch corresponding to 16% of the annual total effort for that year. During the previous year highest catch were also reported in the month of December which accounted for 19% and 16% of the annual catch and effort for that year respectively.

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

- The Seychelles fleet reported an estimated catch of 14,704 MT for the year 2017 compared to the 15,009 MT reported for the previous year. This was achieved from a fishing effort of 35.3 million hooks thus giving a mean catch rate of 0.42 MT/1000 hooks (table 2.2C). In 2016, a fishing effort of 34.6 million hooks was set yielding a mean catch rate of 0.43 MT/1000 hooks.
- During the first semester of 2018, the Seychelles Fleet reported a total catch of 7,694 MT representing a 12% increase over the 6,880 MT of catches reported during the same period the previous year. This corresponds to a 10% increasing in fishing effort from 16.0 million hook during that period in 2017 to 17.6 million hooks in 2018. The catch rate during the first semester of 2018 and 2017 stands at 0.44 MT/1000 hooks and 0.43 MT/1000 hooks respectively.
- The Taiwanese fleet has reported a total catch of 7,530MT for the year 2017, achieved from a

fishing effort of 21.9 million hooks with a mean catch rate of 0.34 MT/1000 hooks. For 2016, the Taiwanese fleet reported a total catch of 11,144 MT achieved from a fishing effort of 24.3 million hooks and a mean catch rate of 0.46 MT/1000 hooks (table 2.2D). This represents a decrease of 32% in reported catches corresponding to a 10% decrease in fishing effort.

- During the first semester of 2018, the Taiwanese fleet reported a total catch of 2,013 MT representing a decrease of 26% over the 2,703 MT reported during the same period the previous year. The Taiwanese fleet reported a drop of 22% in fishing effort for the first six months of 2018 when compared to the same period the previous year with a catch rate of 0.32 MT/ 1000 hooks.
- The remaining 1,356 MT of tuna and tuna like species reported in the industrial longline fishery were from Chinese fleets achieved from a fishing effort of approximately 4.3 million hooks and a mean catch rate of 0.31 MT/1000 hooks. In 2016, vessels from china reported an estimated catch of 1,156 MT achieved from a fishing effort of approximately 3.9 million hooks giving a mean catch rate of 0.30 MT/1000 hooks (table 2.2E). The reported catch and effort by the Chinese fleet has thus increased by 17% and 13% respectively in 2017 when compared to previous year.
- During the first semester of 2018, the Chinese fleet reported a total catch of 333 MT representing a decrease of 7% over the 358 MT reported during the same period the previous year despite an increase of 11% in fishing effort. The catch rate for the Chinese fleet for the first six months of the year 2017 and 2018 stands at 0.29 MT/ 1000 hooks and 0.24 MT/ 1000 hooks respectively.

#### **2.4. Species Composition in WIO**

- During the years 2017 and 2016, bigeye tuna dominated the catch of the industrial longline fleet accounting for 33% and 38% of the total catch respectively whilst Yellowfin tuna represents 24% and 23% of the total catch respectively (table 2.2B). In 2017 Swordfish and marlins accounted for 10% and 7% of the total catch respectively whilst during the previous year their catches accounted for 10% of the total catch each. Fish categorize as “others” represents 21% of the total catch in 2017 compared to 13% in 2016. It must be noted that 76% and 59% of the others category in 2017 and 2016 were reported as ‘oilfish’ (*Ruvettus pretiosus*).
- During the first semester of 2018, Yellowfin tuna replaces bigeye tuna as the dominant species caught by the longliners accounting for 35% of the total catch whilst bigeye tuna accounted for 21% of the total catch. Fish categorize as Others represented 17% of the total catch comprising of 70% ‘oilfish’ (*Ruvettus pretiosus*). Swordfish and marlins accounted for 13% and 8% of the total catch respectively. During the same period the previous year, yellowfin and bigeye tuna accounted for 25% and 29% of the total catch and Others category accounted for 22% of the total catch with oilfish representing only 55% of ‘Others’ species.

#### **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 2008 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. In 2012 the catch rate of 0.59 MT/1000 hooks reported inside the Seychelles EEZ was the highest recorded for the previous 10 years (table 2.3 and figure 2F). Following a decrease in catch and fishing effort in 2013, both catch and fishing effort has since been on an increasing trend.

- In 2017, the industrial longliners licensed to fish inside the Seychelles EEZ reported to have caught an estimated catch of 11,447 MT inside of the Seychelles EEZ. This was obtained from a fishing effort of approximately 32.4 million hooks giving a mean catch rate of 0.35MT/ 1000 hooks (table 2.3A). In 2016, a total catch of 15,626 MT obtained from a fishing effort of approximately 35.8 million hooks was reported to have been caught inside of the Seychelles EEZ, thus giving a mean catch rate of 0.44 MT/1000 hooks. This represents a decrease of 27% in catches and a slight drop of 9% in fishing effort.
- During the first semester of 2018, a total catch of 3,101 MT was reported to have been caught inside the Seychelles EEZ achieved from a fishing effort of 9.6 million hooks and a mean catch rate of 0.32 MT/ 1000 hooks. This represents a decrease of 14% in catches and a drop of 10% in fishing effort inside the Seychelles EEZ when compared to the same period the previous year. The estimated catch inside the Seychelles EEZ during the first six months of 2017 is estimated at 3,607 MT obtained from a fishing effort of 10.6 million hooks and a mean catch rate of 0.34 MT/ 1000 hooks.
- Catches inside the Seychelles EEZ were dominated by bigeye tuna accounting for 43% of the total catch in 2017, whilst yellowfin tuna accounted for 28%. Like the previous year where bigeye tuna and yellowfin accounted for 43% and 29% of the total catch respectively.
- During the first semester of 2018, Yellowfin tuna dominated catches inside the Seychelles EEZ accounting for 43% of the total catch followed by bigeye tuna accounting for 24% and swordfish 13%. During the same period the previous year, yellowfin and bigeye tuna represents 30% and 36% and swordfish accounted for 13% of the total catch respectively.
- Analysis of monthly trend shows, higher catches was recorded inside the Seychelles EEZ during the month of December in both 2017 and 2016. Higher catch rate was reported in the month of April in both 2017 (0.47 MT/1000 hooks) and 2016 (0.53 MT/1000 hooks).

## **2.6. *Statistics of Seychelles Flagged Vessels***

- The total catch by Seychelles registered industrial longliners has remained constant averaging to around 7,351 Mt between the years 2008 and 2011. In 2012, Catches of the Seychelles fleet increased by 100% to a peak of 15,117 MT and has since then been slowly decreasing (table 2.4 and figure 2G). Similar pattern was observed inside the Seychelles EEZ by the Seychelles fleet between the years 2007 and 2011. Since 2012, catches by the Seychelles fleet has been on an increasing trend. Between the year 2008 and 2011, the effort remained steady in both WIO and inside the Seychelles EEZ and has increased considerably in 2012 (table 2.4 and figure 2H). Same observations were made for CPUE (figure 2I).

- For the year 2017, the Seychelles flagged industrial longliners reported an estimated catch of 14,704 MT in WIO obtained from a fishing effort of 35.3 million hooks. During the previous year the Seychelles fleet reported an estimated total catch of 15,009 MT achieved from a fishing effort 34.6 million hooks (table 2.4A). The CPUE stands at 0.42 MT/ 1000 hooks in 2017 and 0.43 MT/1000 hooks in 2016 for the Seychelles fleet (table 2.4A). This represents a drop of 25% and 28% in catches and fishing effort respectively when compared to previous year.
- During the first semester of 2018, the Seychelles Fleet reported a total catch of 7,694 MT representing an 12% increase over the 6,880 MT of catches reported during the same period the previous year. This corresponds to a 10% increase in fishing effort from 16.0 million hook during that period in 2017 to 17.6 million hooks in 2018. The catch rate during the first semester of 2017 and 2018 stands at 0.43 MT/ 1000 hooks and 0.44 MT/ 100 hooks respectively.
- The Seychelles flagged industrial longliners reported to have caught 75% of their total catch or 11,055 MT of tuna and tuna like species on the high seas and 23% of their catches or 3,328 MT in the Seychelles EEZ in 2017. During the previous year, 66% (or 9,944 MT) and 28% (or 4,240 MT) of the Seychelles flagged industrial longliners catches were caught on the high Seas and inside the Seychelles EEZ respectively.
- During the first semester of 2018, the Seychelles registered industrial longliners reported to have caught 80% or 6,171 MT of their total catch on the high seas and 13% or 980 MT of their catches in the Seychelles EEZ. During the same period, the previous year, 83% (or 5,737MT) and 15% (or 1,022MT) 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 year 2017 and 2016, foreign 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.
- For the year 2017, Vessels operating under the National agreement accounted for 29% of the total EEZ catch whilst vessels operating under the TTA agreement represent 55% of the total EEZ catch. Vessels fishing under the Top Fortune agreement excluding all Seychelles flagged vessels represent 12% of the total EEZ catch in 2017. During the previous year, Seychelles flagged vessels accounted for 27% of the total catch inside the Seychelles EEZ whilst vessels operating under the TTA and TFI agreement accounted for 59% and 7% of the total EEZ catches respectively.

## **2.8. Landing and Transshipment Statistics**

- The SFA has stepped up its effort to collect, capture and analyse landing and transshipment data of all Seychelles Flagged industrial longliners in all ports unloaded and started capturing such data in its database. However due to technical issues with the current software this exercise has been put on hold until the implementation of the new software being currently developed which SFA is expected to start using in early 2020.

## **2.9. Fishing Ground**

- Map 2A and 2B show the distribution of reported catch of industrial longliners by 1° square in the WIO for the years 2016 and 2017 respectively. Map 2C and 2D shows the distribution of reported catch of industrial longliners by 1° square in the WIO for the 1<sup>st</sup> Semester of 2017 and 2018 respectively whilst maps 2E shows the distribution of reported catch of industrial longliners by 1° square in the WIO for the 2<sup>nd</sup> Semester of 2017.
- Maps 2B shows similar fishing pattern in 2017 when compared to the year 2016 (map 2A) with decreased catches of 'Other' Species and albacore 30° South and decreased catches in the NE of Seychelles.
- Comparing maps of catches for semester 1 of year 2018 (Map 2D) with the same for the previous year revealed increased catches of yellowfin in the Seychelles EEZ and decreased catches of 'Others' species and albacore 30° South.

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

(Database Closed on 19/08/2019)

**Years: 2008 - 2018**

Country	Year										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
SEYCHELLES	27	27	27	24	32	33	38	45	46	54	54
TAIWAN PROVINCE OF CHINA	52	33	35	53	111	113	84	85	103	108	98
CHINA	7	5			12	16	19	19	29	43	50
JAPAN*	45	36			2	4	4	2			
KOREA		3						1	4	7	4
SPAIN	5	5	1								
BELIZE			1	1							
FRANCE										1	1
OMAN		1	1	1	2	2					
INDONESIA								1	1		
PHILIPPINES	1	1		1	7	6	1	1	1		
TANZANIA					1	1	1	1	1		
THAILAND							1	2	2		
<b>Annual</b>	<b>137</b>	<b>111</b>	<b>65</b>	<b>80</b>	<b>167</b>	<b>175</b>	<b>148</b>	<b>157</b>	<b>187</b>	<b>213</b>	<b>207</b>

\* 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 19/08/2019)

**Year: 2017**

Month	Seychelles*	Taiwan POC	China	Korea	France	Total
Jan	50	86	26	3		165
Feb	49	84	25	3		161
Mar	50	83	24	3		160
Apr	50	73	24	3	1	151
May	50	52	18	3	1	124
Jun	50	44	18	7	1	120
Jul	50	43	12	7	1	113
Aug	49	41	12	7	1	110
Sep	51	63	16	7	1	138
Oct	51	84	29	4	1	169
Nov	53	85	34	4	1	177
Dec	53	85	30	4	1	173
<b>Annual Average</b>	<b><u>51</u></b>	<b><u>69</u></b>	<b><u>22</u></b>	<b><u>5</u></b>	<b><u>1</u></b>	<b><u>147</u></b>
Quarter 1	50	84	25	3	0	162
Quarter 2	50	56	20	4	1	132
Quarter 3	50	49	13	7	1	120
Quarter 4	52	85	31	4	1	173
<b>First Semester</b>	<b>50</b>	<b>70</b>	<b>23</b>	<b>4</b>	<b>1</b>	<b>147</b>
<b>Second Semester</b>	<b>51</b>	<b>67</b>	<b>22</b>	<b>6</b>	<b>1</b>	<b>147</b>

\*Number of Seychelles registered vessels

**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						
Aug						
Sep						
Oct						
Nov						
Dec						
<b>Annual Average</b>	<b><u>54</u></b>	<b><u>69</u></b>	<b><u>26</u></b>	<b><u>4</u></b>	<b><u>1</u></b>	<b><u>152</u></b>
Quarter 1	53	81	33	4	1	171
Quarter 2	54	56	19	4	0	133
Quarter 3						
Quarter 4						
<b>First Semester</b>	<b>54</b>	<b>69</b>	<b>26</b>	<b>4</b>	<b>1</b>	<b>152</b>
<b>Second Semester</b>						

\*Number of Seychelles Registered Vessels



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

(Database Closed on 19/08/2019)

**Years: 2008 - 2018**

Country	Year										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
SEYCHELLES	25	27	24	23	32	33	35	42	47	51	48
TAIWAN PROVINCE OF CHINA	45	31	29	30	96	90	71	83	105	106	88
CHINA	2	5			12	13	18	17	27	41	35
JAPAN*	36	27			2	3	2				
KOREA		3							2		
SPAIN	1										
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			
<b>Annual</b>	<b>109</b>	<b>95</b>	<b>55</b>	<b>55</b>	<b>153</b>	<b>146</b>	<b>129</b>	<b>147</b>	<b>183</b>	<b>198</b>	<b>171</b>

\* 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 19/08/2019)

**Year: 2017**

Month	Seychelles*	Taiwan POC	China	Korea	France	Total
Jan	41	87	17			145
Feb	25	41	16			82
Mar	34	44	7			85
Apr	41	35	11			87
May	46	15	6			67
Jun	44	6				50
Jul	39	3				42
Aug	40	7				47
Sep	43	24	9			76
Oct	44	62	17			123
Nov	47	78	21			146
Dec	43	77	26			146
<b>Annual Average</b>	<b>41</b>	<b>40</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>91</b>
Quarter 1	33	57	13	0	0	104
Quarter 2	44	19	9	0	0	68
Quarter 3	41	11	9	0	0	55
Quarter 4	45	72	21	0	0	138
<b>First Semester</b>	<b>39</b>	<b>38</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>86</b>
<b>Second Semester</b>	<b>43</b>	<b>42</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>97</b>

**Year: 2018**

Month	Seychelles*	Taiwan POC	China	Korea	France	Total
Jan	41	66	28			135
Feb	39	30	8			77
Mar	44	30	2			76
Apr	41	24	2			67
May	43	18	1			62
Jun	43	7				50
Jul						0
Aug						0
Sep						0
Oct						0
Nov						0
Dec						0
<b>Annual Average</b>	<b>42</b>	<b>29</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>39</b>
Quarter 1	41	42	13	0	0	96
Quarter 2	42	16	2	0	0	60
Quarter 3						
Quarter 4						
<b>First Semester</b>	<b>42</b>	<b>29</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>78</b>
<b>Second Semester</b>						

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

(Database Closed on 19/08/2019)

**Years: 2008 - 2018**

Country	Year										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
SEYCHELLES	89	95	84	97	96	100	95	96	97	94	68
TAIWAN PROVINCE OF CHINA	96	73	89	75	80	77	81	95	92	98	93
CHINA	24	70	0	0	93	86	91	98	100	99	62
JAPAN	92	81	0	0	71	91	89	20	0	0	0
REPUBLIC OF KOREA	0	67	0	0	0	0	0	0	34	0	0
SPAIN	20	13	0	0	0	0	0	0	0	0	0
BELIZE	0	0	18	100	0	0	0	0	0	0	0
FRANCE	0	0	0	0	0	0	0	0	0	0	0
OMAN	0	57	100	100	100	90	0	0	0	0	0
INDONESIA	0	0	0	0	0	0	0	0	0	0	0
PHILIPPINES	0	100	0	100	84	68	100	50	0	0	0
TANZANIA	0	0	0	0	100	92	91	100	100	0	0
THAILAND	0	0	0	0	0	0	100	100	100	0	0
<b>Grand Total</b>	<b>85</b>	<b>81</b>	<b>84</b>	<b>87</b>	<b>85</b>	<b>84</b>	<b>88</b>	<b>95</b>	<b>93</b>	<b>93</b>	<b>77</b>

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

(Database Closed on 19/08/2019)

Country: ALL

Semester 1, Year: 2008 - 2018

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2008	21,155,042	0.36	1,388.3	18	4,335.9	58	651	9	281	4	228.4	3	641.6	9	<b>7,525.6</b>
2009	15,334,133	0.42	652.7	10	3,075.0	48	423	7	176	3	311.4	5	1,786.2	28	<b>6,423.8</b>
2010	10,673,653	0.37	244.8	6	1,946.1	50	248	6	104	3	185.0	5	1,181.8	30	<b>3,909.4</b>
2011	7,938,200	0.39	231.9	7	1,603.4	52	137	4	96	3	120.3	4	918.9	30	<b>3,107.6</b>
2012	10,080,389	0.85	805.6	9	6,264.6	73	522	6	514	6	165.9	2	283.0	3	<b>8,555.5</b>
2013	18,985,332	0.45	877.4	10	4,565.9	53	855	10	632	7	297.6	3	1,386.8	16	<b>8,614.5</b>
2014	16,939,623	0.44	1,589.6	21	3,511.2	47	742	10	548	7	360.6	5	733.8	10	<b>7,485.7</b>
2015	16,567,630	0.48	1,656.1	21	3,702.0	46	992	12	827	10	352.6	4	493.3	6	<b>8,022.6</b>
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	<b>12,034.3</b>
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	<b>9,940.6</b>
2018	25,225,038	0.40	3,497.8	35	2,103.2	21	1307	13	838	8	624.7	6	1,669.4	17	<b>10,039.9</b>

Country: ALL

Semester 2, Year: 2008 - 2018

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2008	9,463,426	0.46	458.3	10	2,560.8	59	216	5	91	2	74.4	2	966.1	22	<b>4,366.1</b>
2009	9,993,404	0.38	230.3	6	2,061.5	54	273	7	63	2	109.1	3	1,094.1	29	<b>3,830.4</b>
2010	11,549,028	0.41	600.4	13	2,657.6	57	236	5	236	5	186.8	4	776.4	17	<b>4,693.9</b>
2011	9,809,058	0.53	1,139.7	22	2,879.3	56	289	6	241	5	188.3	4	431.0	8	<b>5,167.9</b>
2012	23,963,719	0.62	1,588.3	11	9,622.9	65	1105	7	1335	9	652.0	4	448.7	3	<b>14,751.9</b>
2013	15,309,146	0.50	957.5	13	4,573.9	60	450	6	349	5	374.2	5	914.3	12	<b>7,619.2</b>
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	<b>10,515.4</b>
2015	22,441,818	0.55	2,719.1	22	5,918.8	48	1209	10	1167	9	531.7	4	828.2	7	<b>12,373.2</b>
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	<b>15,274.3</b>
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	<b>13,653.6</b>

Country: ALL

Year: 2008 - 2018

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2008	30,618,467	0.39	1,846.5	16	6,896.7	58	866	7	372	3	302.8	3	1,607.7	14	<b>11,891.8</b>
2009	25,327,537	0.40	883.0	9	5,136.5	50	695	7	239	2	420.5	4	2,880.3	28	<b>10,254.1</b>
2010	22,222,680	0.39	845.2	10	4,603.8	54	484	6	341	4	371.8	4	1,958.1	23	<b>8,603.4</b>
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	<b>8,275.5</b>
2012	34,044,108	0.68	2,394.0	10	15,887.6	68	1627	7	1849	8	817.9	4	731.7	3	<b>23,307.4</b>
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	<b>16,233.7</b>
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	<b>18,001.1</b>
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	<b>20,395.8</b>
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	<b>27,308.5</b>
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	<b>23,594.2</b>









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

(Database Closed on 19/08/2019)

Country: OTHERS

Year: 2017

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	29	17	538,209	0.29	66.1	42	45.4	29	20	13	13	8	1.3	1	10.7	7	156.0
Feb	28	16	240,842	0.19	20.8	45	11.7	25	4	8	7	16	0.3	1	2.3	5	46.1
Mar	27	7	103,920	0.17	8.5	49	2.7	16	1	6	4	21	0.1	1	1.1	7	17.2
Apr	28	11	256,743	0.39	29.5	30	55.5	56	6	6	6	6	0.7	1	2.0	2	99.7
May	22	6	98,032	0.40	17.8	45	14.9	38	4	9	3	7	0	0	0.3	1	39.3
Jun	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	24	9	246,029	0.31	19.6	26	26.8	35	7	9	2	2	13.6	18	8.1	11	76.8
Oct	34	17	537,419	0.27	40.6	28	63.9	45	17	12	9	6	6.4	5	6.8	5	143.0
Nov	39	21	754,271	0.38	91.3	32	147.9	52	17	6	11	4	2.4	1	14.4	5	284.5
Dec	35	26	1,559,208	0.32	212.9	43	196.5	40	32	6	29	6	4.8	1	19.4	4	493.8
<b>Annual</b>	<b>28</b>	<b>11</b>	<b>4,334,673</b>	<b>0.31</b>	<b>507.0</b>	<b>37</b>	<b>565.3</b>	<b>42</b>	<b>106.0</b>	<b>8</b>	<b>83.3</b>	<b>6</b>	<b>29.7</b>	<b>2</b>	<b>65.0</b>	<b>5</b>	<b>1,356.2</b>
Quarter 1	28	13	882,971	0.25	95.3	43	59.8	27	24.2	11	24.1	11	1.7	1	14.1	6	219.2
Quarter 2	25	6	354,775	0.39	47.2	34	70.4	51	9.6	7	8.8	6	0.7	0	2.3	2	139.0
Quarter 3	21	3	246,029	0.31	19.6	26	26.8	35	6.7	9	1.9	2	13.6	18	8.1	11	76.8
Quarter 4	36	21	2,850,898	0.32	344.8	37	408.2	44	65.4	7	48.6	5	13.6	1	40.5	4	921.2
First Semester	27	10	1,237,746	0.29	142.5	40	130.2	36	33.8	9	32.9	9	2.4	1	16.3	5	358.2
Second Semester	29	12	3,096,927	0.32	364.4	37	435.1	44	72.2	7	50.4	5	27.3	3	48.6	5	998.0

Country: OTHERS

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	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	0.0
Jul	0																
Aug	0																
Sep	0																
Oct	0																
Nov	0																
Dec	0																
<b>Annual</b>	<b>15</b>	<b>7</b>	<b>1,372,968</b>	<b>0.24</b>	<b>138.6</b>	<b>42</b>	<b>104.0</b>	<b>31</b>	<b>45.8</b>	<b>14</b>	<b>21.0</b>	<b>6</b>	<b>7.6</b>	<b>2</b>	<b>15.9</b>	<b>5</b>	<b>332.9</b>
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																	
Quarter 4																	
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																	

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

(Database Closed on 19/08/2019)

Country: ALL

Semester 1, Year: 2008 - 2018

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2008	11,983,499	0.31	983.5	27	1,968.2	54	260	7	128	4	176.3	5	143.3	4	<b>3,659.3</b>
2009	5,982,315	0.36	443.1	21	1,190.4	55	145	7	77	4	177.8	8	117.5	5	<b>2,150.6</b>
2010	1,117,182	0.32	39.4	11	242.8	68	23	6	13	3	18.9	5	22.8	6	<b>359.1</b>
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>
2012	2,236,385	0.83	255.9	14	1,309.0	71	98	5	105	6	67.8	4	20.0	1	<b>1,856.3</b>
2013	7,397,036	0.42	432.6	14	1,839.4	59	290	9	306	10	145.9	5	83.4	3	<b>3,097.8</b>
2014	7,150,969	0.38	737.1	27	1,295.8	48	218	8	189	7	193.4	7	69.8	3	<b>2,703.1</b>
2015	7,358,909	0.39	775.3	27	1,249.9	43	311	11	278	10	193.9	7	92.2	3	<b>2,900.6</b>
2016	13,673,906	0.42	1,740.6	30	2,185.8	38	570	10	769	13	317.8	5	225.8	4	<b>5,809.1</b>
2017	10,650,142	0.34	1,099.1	30	1,309.4	36	455	13	343	10	262.2	7	137.7	4	<b>3,606.9</b>
2018	9,595,494	0.32	1,345.3	43	745.5	24	391	13	242	8	231.0	7	146.5	5	<b>3,100.9</b>

Country: ALL

Semester 2, Year: 2008 - 2018

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2008	3,613,031	0.39	227.5	16	986.6	69	66	5	30	2	62.1	4	52.6	4	<b>1,425.0</b>
2009	759,725	0.48	32.5	9	281.7	77	18	5	7	2	8.7	2	18.5	5	<b>366.3</b>
2010	4,338,207	0.47	332.6	16	1,276.7	63	72	4	127	6	96.7	5	118.1	6	<b>2,022.6</b>
2011	2,415,460	0.56	400.3	30	701.0	52	64	5	78	6	68.1	5	30.5	2	<b>1,342.6</b>
2012	13,588,854	0.55	1,039.9	14	4,692.7	63	509	7	681	9	364.9	5	152.2	2	<b>7,439.4</b>
2013	7,207,523	0.55	540.1	14	2,802.5	70	174	4	198	5	184.5	5	79.8	2	<b>3,978.7</b>
2014	12,808,336	0.56	1,532.4	21	4,142.8	57	429	6	436	6	474.3	7	209.8	3	<b>7,224.3</b>
2015	14,362,378	0.54	2,176.7	28	3,956.8	51	505	6	659	8	317.7	4	180.0	2	<b>7,795.3</b>
2016	22,149,887	0.44	2,856.3	29	4,546.7	46	771	8	777	8	600.8	6	264.8	3	<b>9,816.7</b>
2017	21,786,365	0.36	2,129.9	27	3,635.9	46	622	8	434	6	606.6	8	412.2	5	<b>7,839.9</b>

Country: ALL

Year: 2008 - 2018

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2008	15,596,531	0.33	1,211.0	24	2,954.7	58	326	6	158	3	238.4	5	195.8	4	5,084.4
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





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

(Database Closed on 19/08/2019)

**Country: TAIWAN PROVINCE OF CHINA****Year: 2017**

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
Jan	86	87	3,185,020	0.29	310.7	34	272.0	30	133	15	82	9	69.8	8	44.0	5	911.7
Feb	84	41	891,001	0.28	56.6	23	69.4	28	40	16	42	17	30.8	12	10.4	4	249.4
Mar	83	44	1,319,378	0.35	92.8	20	186.4	40	39	9	60	13	61.2	13	22.9	5	463.2
Apr	73	35	1,200,492	0.46	158.5	28	256.8	46	48	9	31	6	44.7	8	16.8	3	556.6
May	52	15	156,888	0.40	12.3	20	21.6	34	15	25	7	10	3.9	6	2.8	5	62.7
Jun	44	6	64,530	0.26	3.5	21	2.7	16	5	29	2	13	2.0	12	1.3	8	16.6
Jul	43	3	23,187	0.20	0.7	14	0.3	6	1	26	0	3	2.1	45	0.3	6	4.7
Aug	41	7	146,149	0	3	6	21	34	3	5	3	4	30	48	2	3	62.8
Sep	63	24	762,431	0.34	54.5	21	88.8	34	25	9	12	5	67.8	26	12.1	5	259.5
Oct	84	62	3,187,570	0.35	239.6	22	473.5	43	98	9	75	7	152.3	14	64.7	6	1103.6
Nov	85	78	4,192,641	0.33	221.1	16	775.8	55	109	8	88	6	99.5	7	107.2	8	1400.2
Dec	85	77	4,772,711	0.36	402.6	23	888.6	51	149	9	97	6	120.8	7	79.3	5	1737.5
<b>Annual</b>	<b>69</b>	<b>40</b>	<b>19,901,998</b>	<b>0.34</b>	<b>1,556.5</b>	<b>23</b>	<b>3,057.2</b>	<b>45</b>	<b>666.8</b>	<b>10</b>	<b>499.3</b>	<b>7</b>	<b>684.9</b>	<b>10</b>	<b>363.7</b>	<b>5</b>	<b>6,828.5</b>
Quarter 1	84	57	5,395,399	0.30	460.2	28	527.7	32	213.0	13	184.3	11	161.8	10	77.3	5	1,624.3
Quarter 2	56	19	1,421,909	0.45	174.3	27	281.1	44	68.7	11	40.2	6	50.6	8	20.9	3	635.9
Quarter 3	49	11	931,768	0.35	58.7	18	110.5	34	29.0	9	14.6	4	99.9	31	14.3	4	327.0
Quarter 4	85	72	12,152,922	0.35	863.4	20	2,137.9	50	356.2	8	260.2	6	372.6	9	251.2	6	4,241.3
First Semester	70	38	6,817,309	0.33	634.5	28	808.8	36	281.7	12	224.5	10	212.4	9	98.2	4	2,260.2
Second Semester	67	42	13,084,690	0.35	922.0	20	2,248.4	49	385.1	8	274.8	6	472.5	10	265.5	6	4,568.3

**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 (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (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	0																
Aug	0																
Sep	0																
Oct	0																
Nov	0																
Dec	0																
<b>Annual</b>	<b>34</b>	<b>29</b>	<b>5,583,312</b>	<b>0.32</b>	<b>723.2</b>	<b>40</b>	<b>403.0</b>	<b>22</b>	<b>246.9</b>	<b>14</b>	<b>160.0</b>	<b>9</b>	<b>155.3</b>	<b>9</b>	<b>104.7</b>	<b>6</b>	<b>1,793.2</b>
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																	
Quarter 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																	

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

(Database Closed on 19/08/2019)

Country: OTHERS

Year: 2017

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	29	17	517,222	0.29	64.9	43	42.7	28	19	13	13	8	1.2	1	10.6	7	151.2
Feb	28	16	211,697	0.19	18.2	45	10.0	25	3	8	6	15	0.3	1	2.3	6	40.2
Mar	27	7	77,820	0.16	6.1	49	2.2	17	1	8	3	23	0	0	0.4	3	12.7
Apr	28	11	208,028	0.39	25.9	32	43.1	53	5	6	6	7	0.6	1	1.1	1	81.4
May	22	6	98,032	0	18	45	15	38	4	9	3	7	0	0	0	1	39.3
Jun	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	24	9	246,029	0.31	19.6	26	26.8	35	7	9	2	2	13.6	18	8.1	11	76.8
Oct	34	17	508,102	0.27	40.0	29	62.1	45	16	11	8	6	6.1	4	6.4	5	139.0
Nov	39	21	737,085	0.38	90.3	32	145.1	52	16	6	11	4	2.4	1	14.4	5	279.4
Dec	35	26	1,497,956	0.31	208.2	44	181.5	39	29	6	28	6	4.8	1	19.2	4	470.7
<b>Annual</b>	<b>28</b>	<b>11</b>	<b>4,101,971</b>	<b>0.31</b>	<b>491.0</b>	<b>38</b>	<b>528.5</b>	<b>41</b>	<b>100.2</b>	<b>8</b>	<b>79.3</b>	<b>6</b>	<b>29.0</b>	<b>2</b>	<b>62.7</b>	<b>5</b>	<b>1,290.7</b>
Quarter 1	28	13	806,739	0.25	89.3	44	54.9	27	23.5	12	21.6	11	1.5	1	13.2	6	204.1
Quarter 2	25	6	306,060	0.39	43.6	36	58.0	48	8.7	7	8.3	7	0.6	0	1.4	1	120.6
Quarter 3	21	3	246,029	0.31	19.6	26	26.8	35	6.7	9	1.9	2	13.6	18	8.1	11	76.8
Quarter 4	36	21	2,743,143	0.32	338.5	38	388.7	44	61.3	7	47.5	5	13.3	1	40.0	4	889.2
<b>First Semester</b>	<b>27</b>	<b>10</b>	<b>1,112,799</b>	<b>0.29</b>	<b>132.9</b>	<b>41</b>	<b>112.9</b>	<b>35</b>	<b>32.2</b>	<b>10</b>	<b>29.9</b>	<b>9</b>	<b>2.1</b>	<b>1</b>	<b>14.6</b>	<b>5</b>	<b>324.7</b>
<b>Second Semester</b>	<b>29</b>	<b>12</b>	<b>2,989,172</b>	<b>0.32</b>	<b>358.1</b>	<b>37</b>	<b>415.5</b>	<b>43</b>	<b>68.0</b>	<b>7</b>	<b>49.3</b>	<b>5</b>	<b>26.9</b>	<b>3</b>	<b>48.1</b>	<b>5</b>	<b>966.0</b>

Country: OTHERS

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	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	0.05	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Annual</b>	<b>15</b>	<b>3</b>	<b>1,350,088</b>	<b>0.24</b>	<b>135.4</b>	<b>41</b>	<b>103.3</b>	<b>31</b>	<b>45.5</b>	<b>14</b>	<b>20.7</b>	<b>6</b>	<b>7.6</b>	<b>2</b>	<b>15.8</b>	<b>5</b>	<b>328.2</b>	
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																		
Quarter 4																		
<b>First Semester</b>	<b>30</b>	<b>7</b>	<b>1,350,088</b>	<b>0.24</b>	<b>135.4</b>	<b>41</b>	<b>103.3</b>	<b>31</b>	<b>45.5</b>	<b>14</b>	<b>20.7</b>	<b>6</b>	<b>7.6</b>	<b>2</b>	<b>15.8</b>	<b>5</b>	<b>328.2</b>	
<b>Second Semester</b>																		

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

(Database Closed on 19/08/2019)

Country: SEYCHELLES

Area: WIO

Year: 2008 - 2018

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2008	14,907,016	0.46	584.2	9	4031.3	59	561	8	206	3	57.3	1	1385.1	20	6824.2
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

Country: SEYCHELLES

Area: Seychelles EEZ

Year: 2008 - 2018

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2008	1,679,974	0.38	96.8	15	472.4	74	41	6	11	2	10.4	2	5.9	1	637.6
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







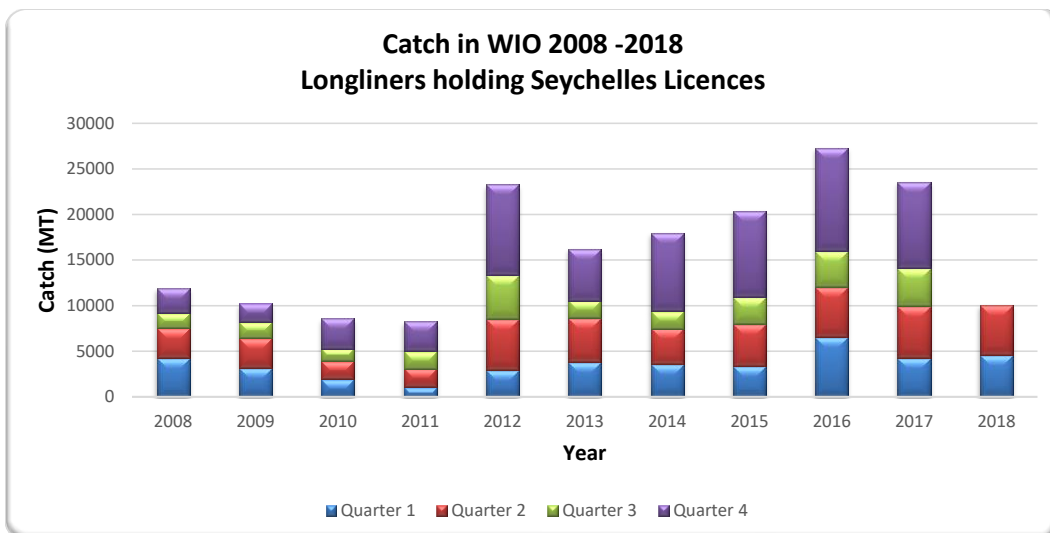


Figure 2A: Industrial Longliners Total catch in the WIO by Year, 2008 - 2018

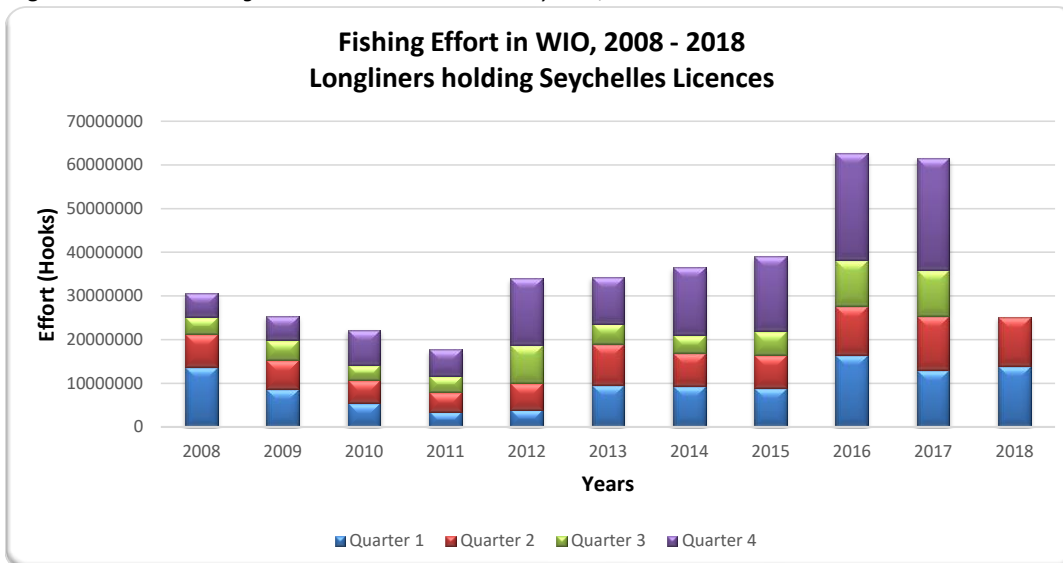


Figure 2B: Industrial longliners fishing effort in the WIO by Year, 2008 - 2018

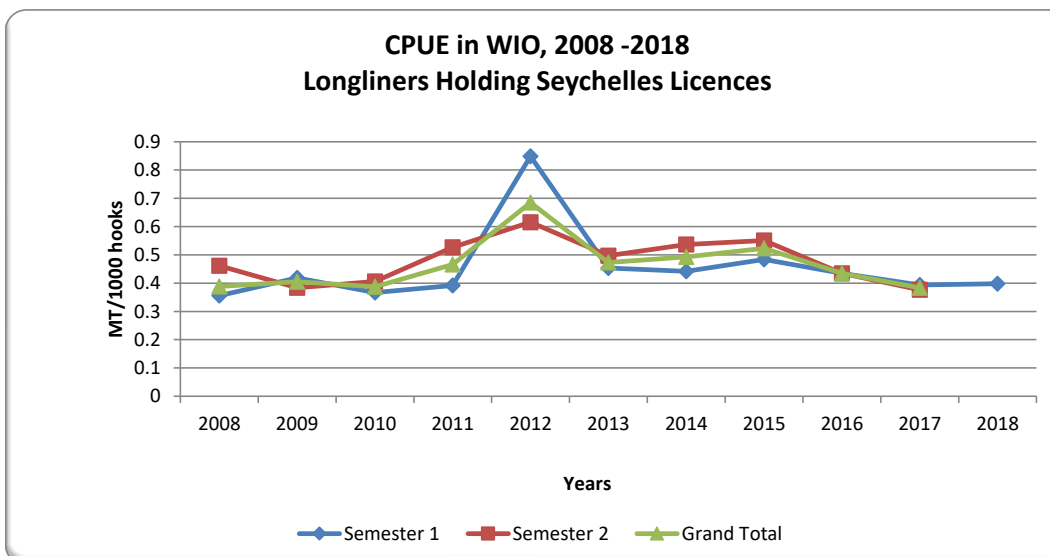


Figure 2C: Industrial Longliners CPUE in the WIO by Year, 2008 - 2018

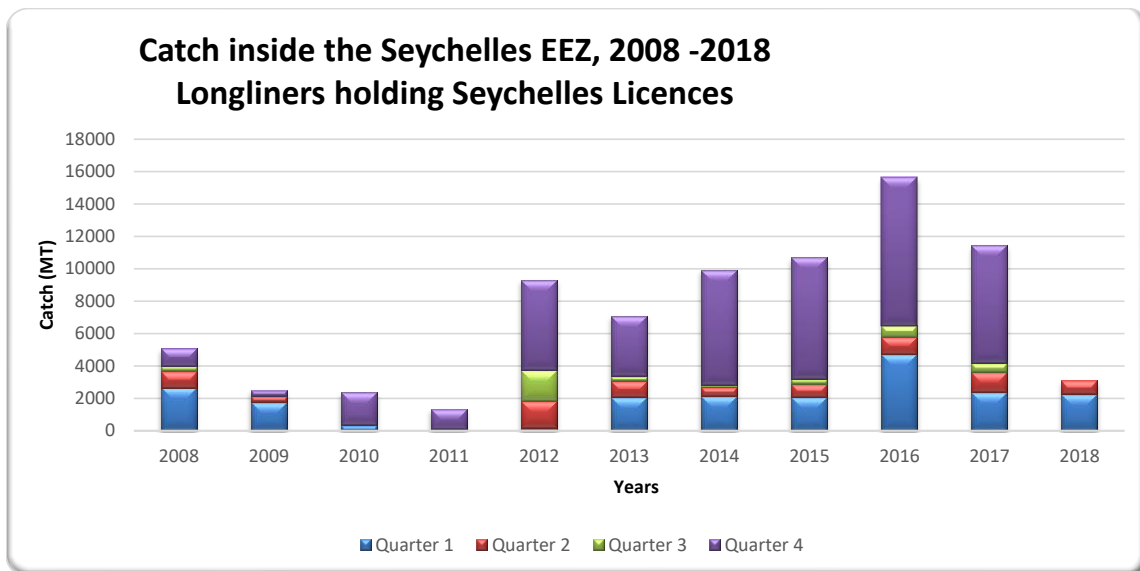


Figure 2D: Industrial longliners Total catch in the Seychelles EEZ by Year, 2008 - 2018

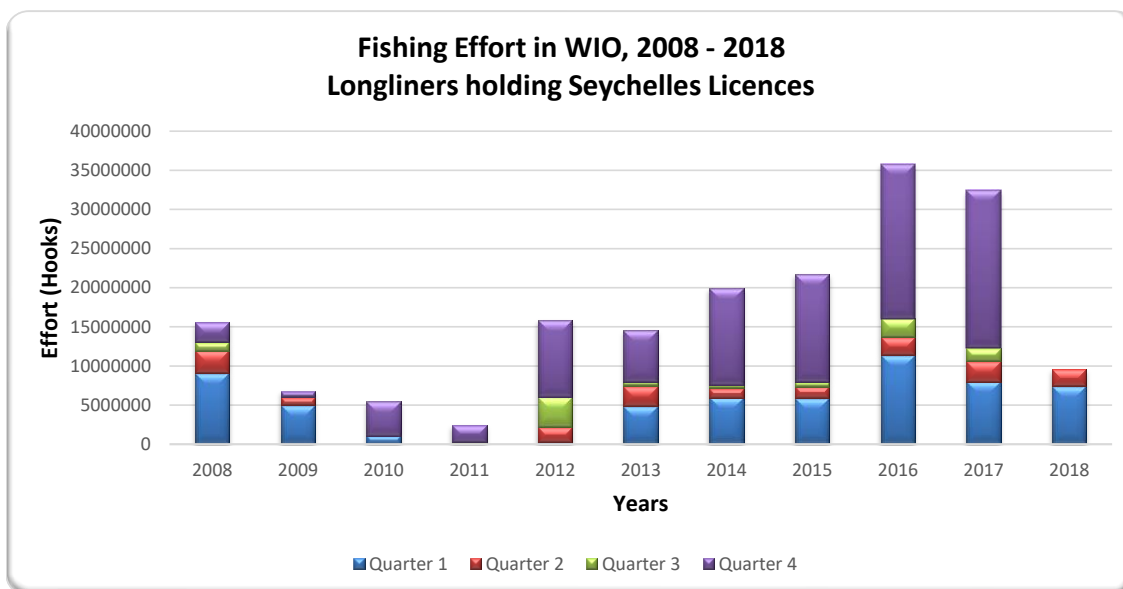


Figure 2E: Industrial Longliners fishing effort in the Seychelles EEZ by Year, 2008 - 2018

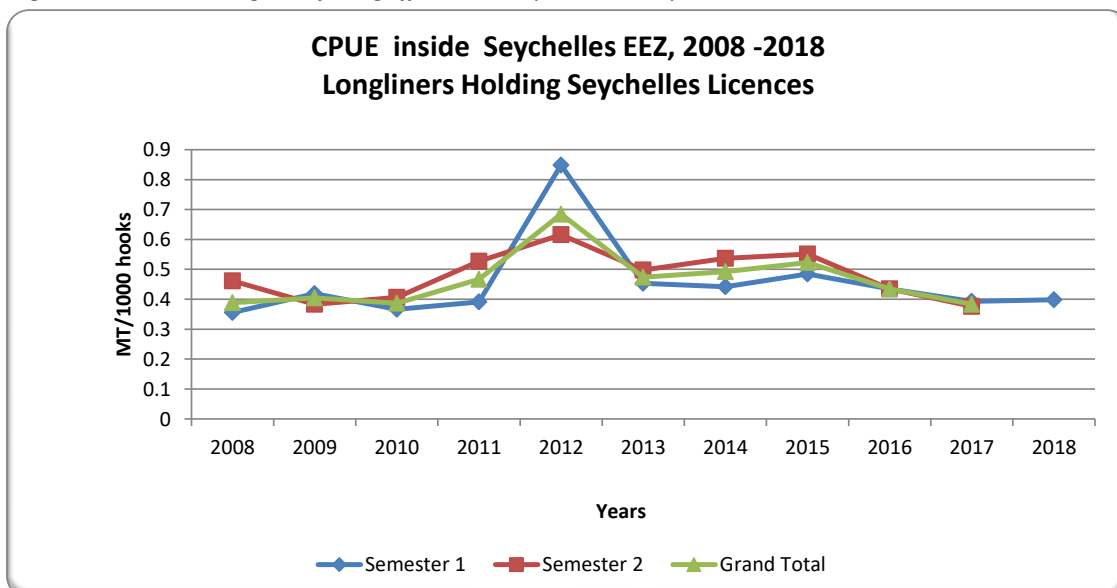


Figure 2F: Industrial Longliners CPUE in the Seychelles EEZ by Year, 2008 - 2018

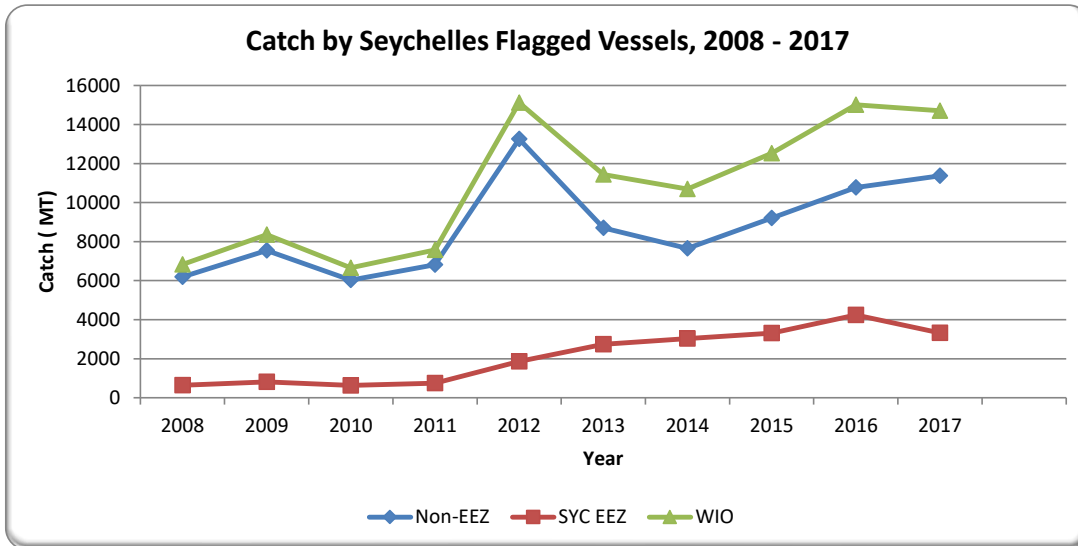


Figure 2G: Seychelles Flagged Longliners Catch, years 2007 -2017

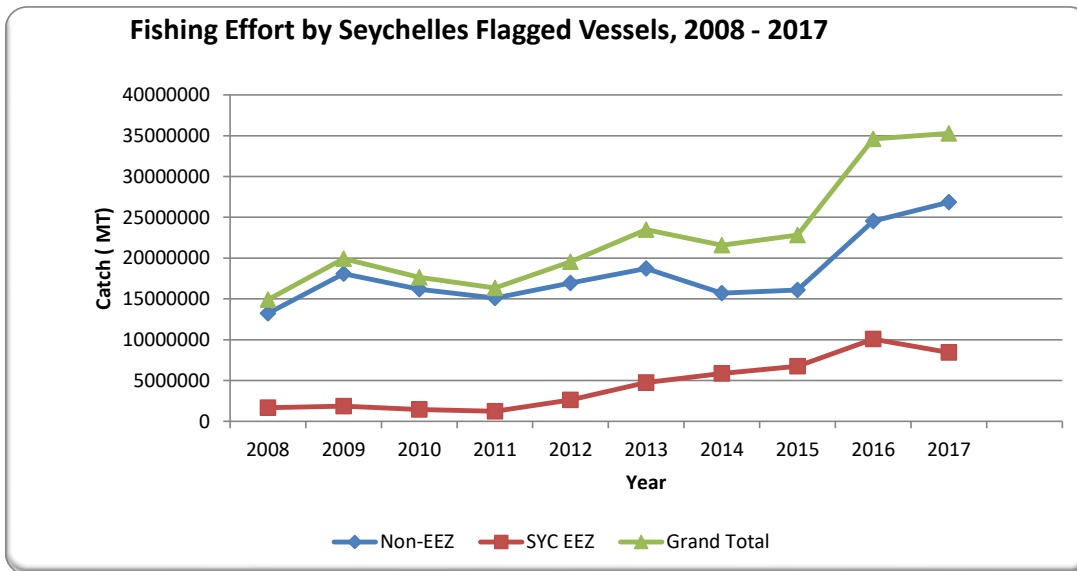


Figure 2H: Seychelles Flagged Longliners Effort, years 2007 -2017

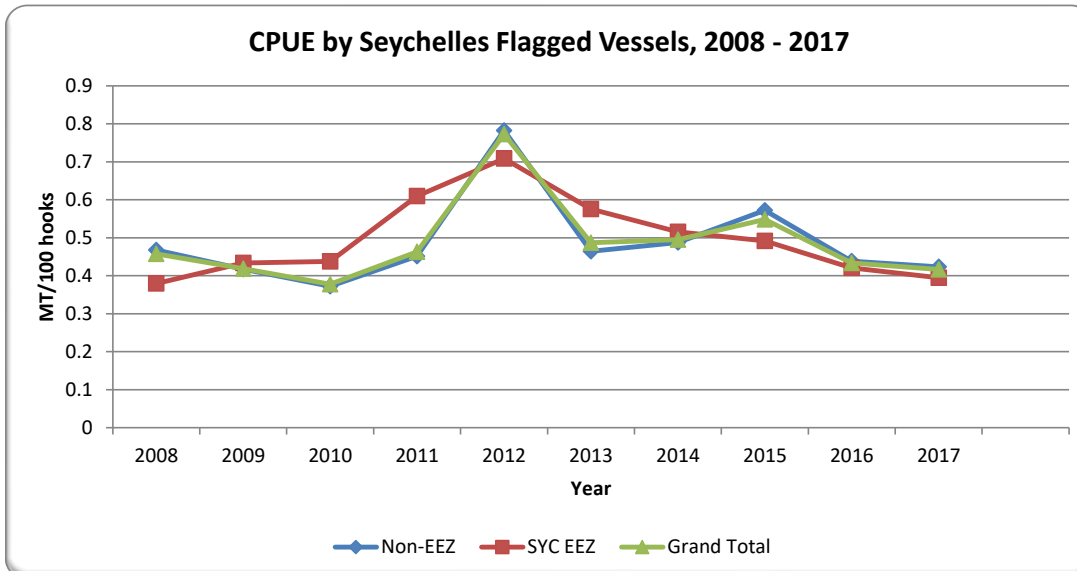
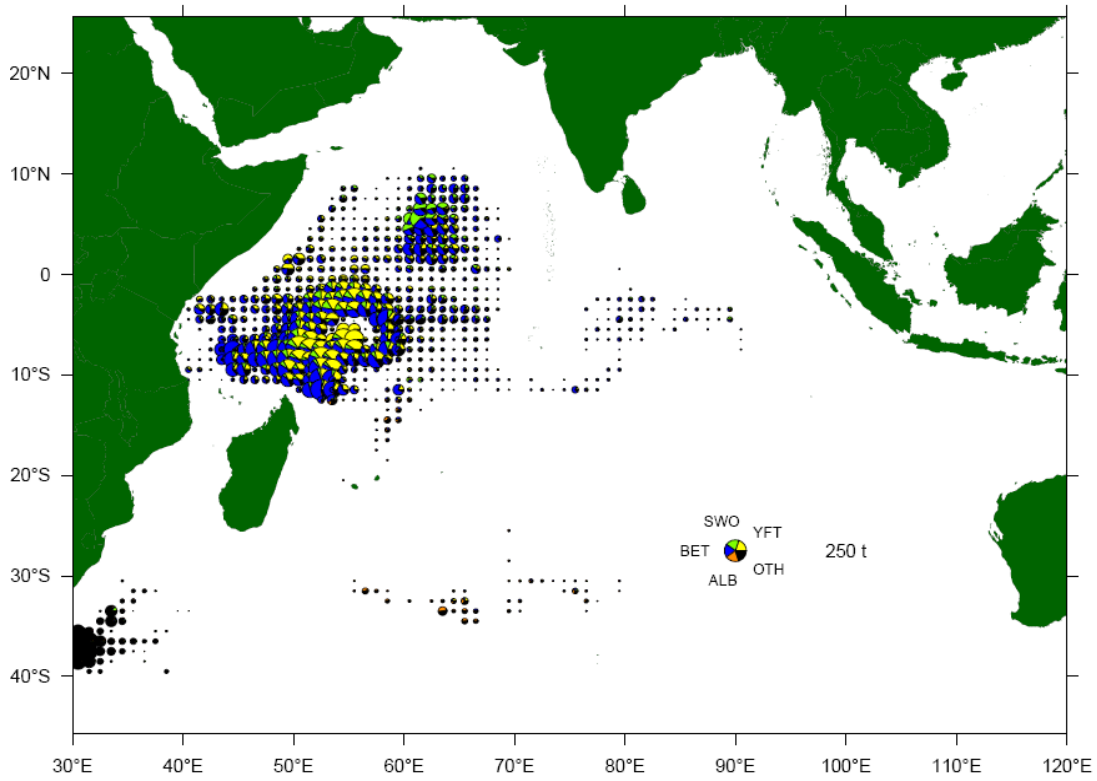


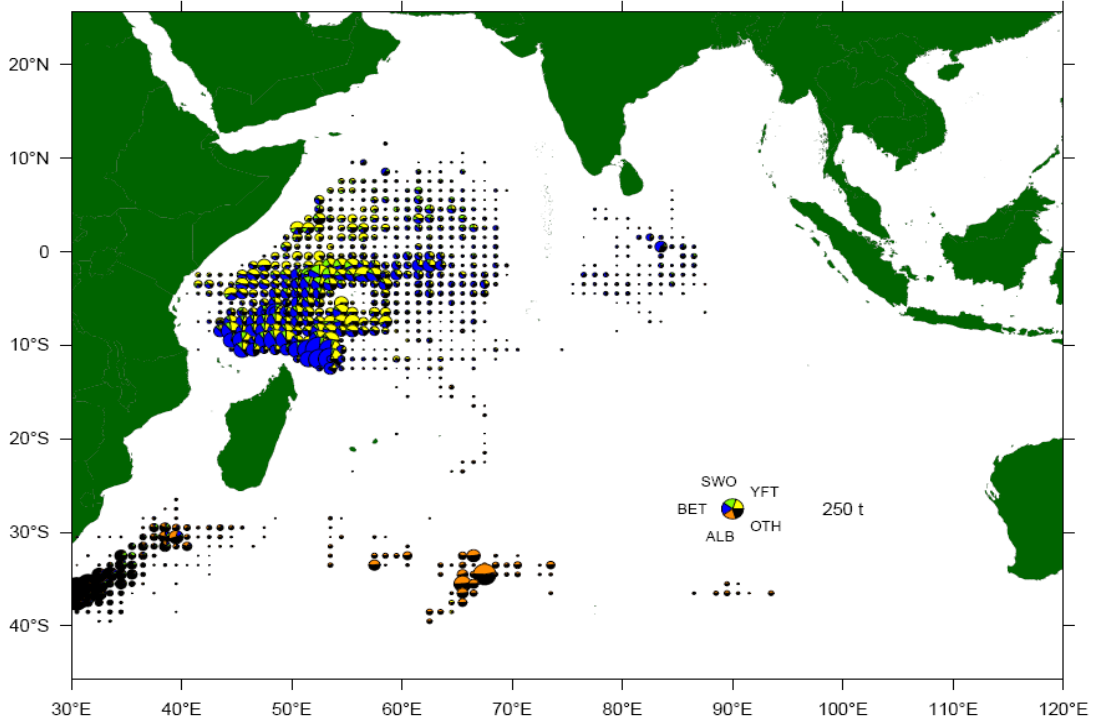
Figure 2I: Seychelles Flagged Longliners CPUE years 2007 -2017

# Fishing Ground Exploited by Industrial Longliners

Map 2A. Industrial longliners fishing ground for Year 2016

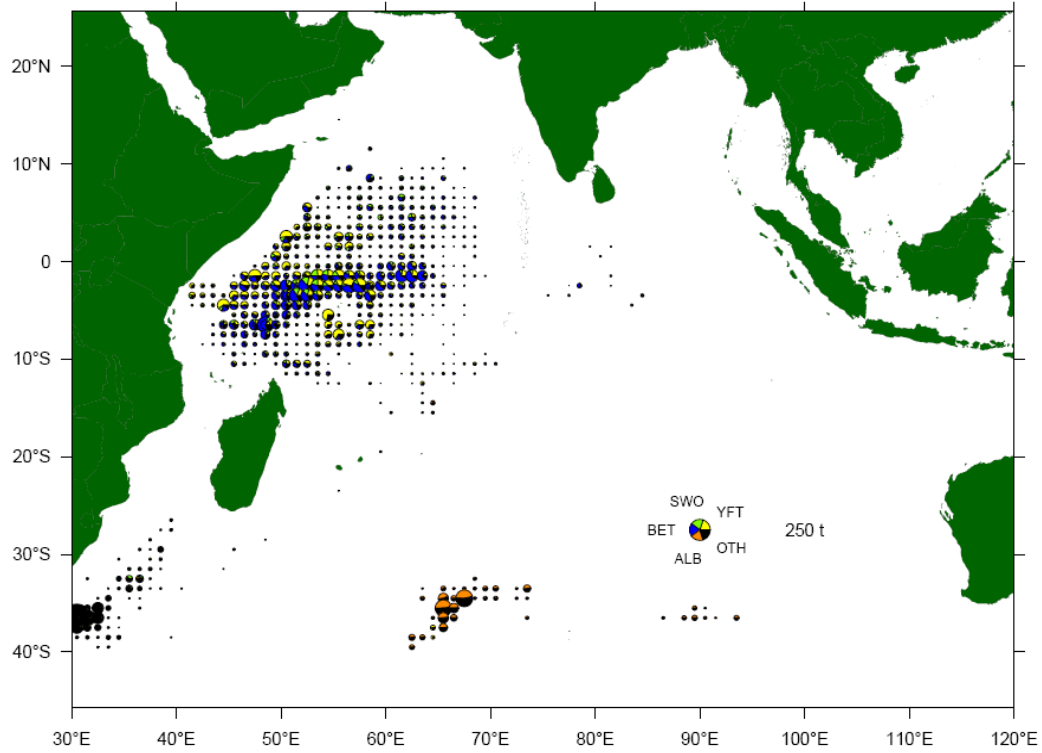


Map 2B. Industrial longliners fishing ground for Year 2017

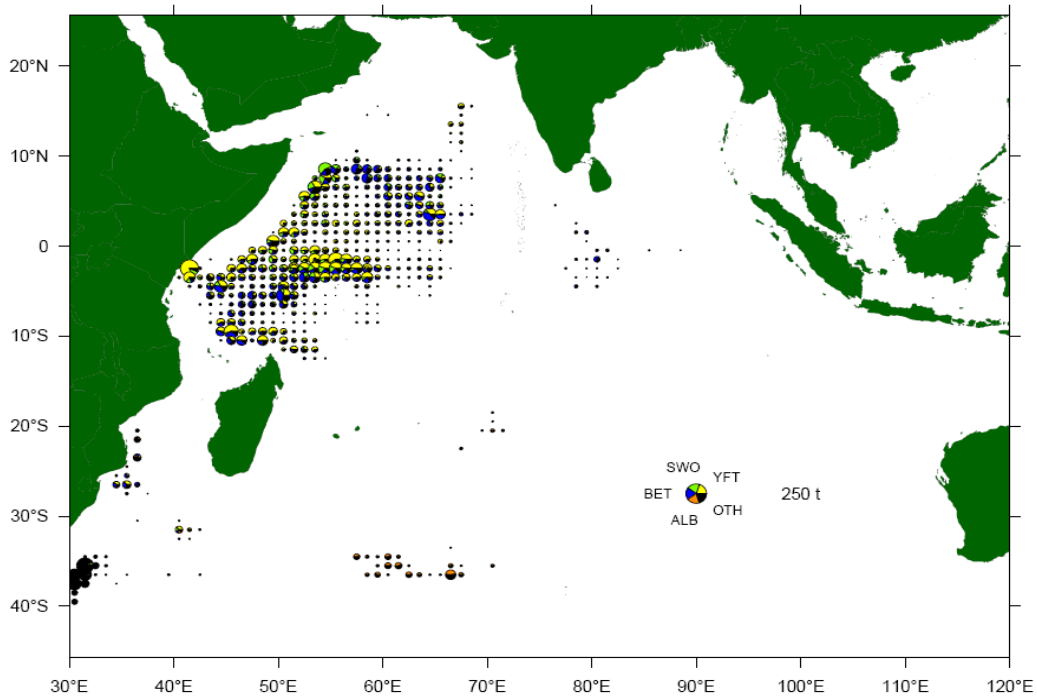


## Fishing Ground Exploited by Industrial Longliners

Map 2C. Industrial longliners fishing ground for 1st Semester 2017

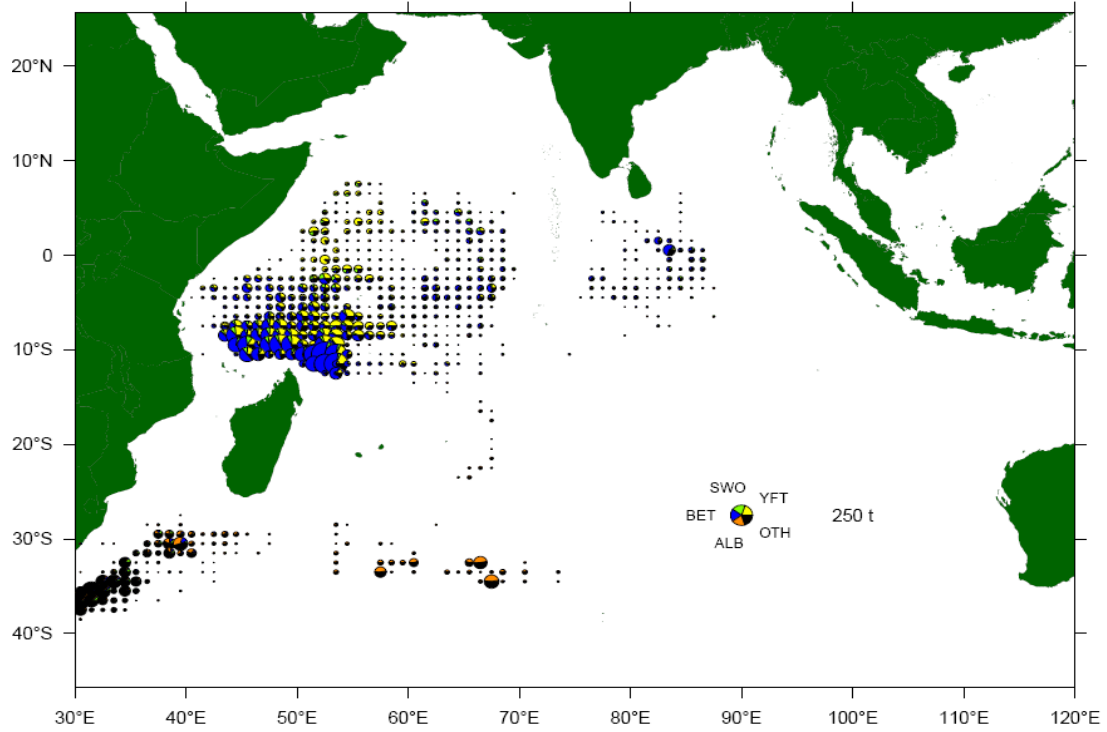


Map 2D. Industrial longliners fishing ground for 1st Semester 2018



## Fishing Ground Exploited by Industrial Longliners

Map 2E. Industrial longliners fishing ground for 2nd Semester 2017





# 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 8 vessels to 31 vessels active. The total fishing trips spanned from 24 to 330 fishing trips with average trip duration of 11 days per trip (table 3.0).
- In 2017, 31 semi-industrial longliners conducted a total of 330 fishing trips targeting tuna and swordfish representing an increase of 30% in number of trips over the 254 fishing trips conducted in 2016 by 29 vessels (table 3.0).
- During the first semester of year 2018, a total of 166 trips were undertaken by 28 vessels compared to 184 trips undertaken by 29 vessels during the same period, the previous year. This represents a slight drop of 10% in number of fishing trips conducted by the semi industrial longliners.

#### **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 remained constant for the period 2008 to 2013, then decreased sharply reaching a mere 82.1 MT in 2014. The catches then increase sharply reaching a total of 969 MT in 2016 (figure 3A). Fishing effort has followed similar pattern with fishing effort averaging to 391,602 hooks over the period 2008 to 2013 and then drop sharply to 118,973 hooks in 2014 followed by a steep increase to reach 1.2 million hooks in 2016 (figure 3B). The CPUE fluctuated between the years 2008 to 2010, with a mean of 0.65 MT/1000 hooks, and thereafter increased to reach 0.95 MT/ 1000 hooks.
- In 2017, the Semi industrial fishery recorded the highest catch since the beginning of the fishery with a reported total catch of 1,162.3 MT based on only 99% logbook returned to SFA. This represent an increase of 20% over the 969 MT reported in 2016. This corresponds to an increase of 66% in fishing effort where a total of 2.05 million hooks were sets compared to 1.2 million hooks sets in 2016 (table 3.0). The mean catch rate estimated for the year 2017 stands at 0.57 MT/ 1000 hooks compared to a mean catch rate of 0.79 MT/ 1000 hooks estimated for the previous year.
- During the first semester of 2018, another record catch was reported for the first six months of the year by the semi industrial longline vessels where a total of 675.0 MT of tuna and tuna like species were caught from a total 1.2 million hooks thus giving a mean catch rate of 0.55 MT/ 1000 hooks. This represents a slight increase of 7% and 4% in catches and fishing effort when compared to the same period the previous year. During the first semester of 2017, a total catch of 647.1 MT obtained from a fishing effort of 1.1 million hooks with a mean catch rate of 0.57 MT/ 1000 hooks was reported.

### 3.3. Species Composition

- From the year 2008 to 2014, Swordfish was the main target species of the semi-industrial longline fishery on average accounting for 58% of the total catch (figure 3D). Since 2015, yellowfin tuna has dominated the total catch of that fishery representing 59% of the total catch in 2016.
- In 2017, yellowfin tuna continued to be the dominant species caught by the semi-industrial Longline vessels accounting for 64% of the total catch followed by swordfish and bigeye tuna accounting for 18% and 10% of the total catch respectively (figure 3E). During 2016 the semi industrial catches was dominated by yellowfin tuna (59%) followed by swordfish and bigeye tuna representing 19% and 13% respectively (figure 3f).
- During the first semester of 2018, similar observations were made were the fishery was dominated by yellowfin tuna (60%) followed by swordfish (23%) and bigeye tuna (9%). For the same period the previous year, the catch composition was made up of 62% of yellowfin tuna, 22% of swordfish and 7% of bigeye tuna.
- An increase in catches was observed in majority of species except for bigeye and shark catches which recorded a decrease in 2017 compared to 2016. A record catch of 740 MT of yellowfin tuna was reported to have been caught by the semi industrial longliners in 2017, the highest yellowfin tuna catches recorded since the beginning of the fishery. This represents 28% increase over the 576 MT of yellowfin tuna reported for the same period the previous year. Swordfish, sailfish and marlins also increased by 16%, 16% and 12% respectively in 2017.
- During the first semester of 2018, yellowfin tuna catches remained like that of the same period the previous year whilst bigeye tuna catches increased by 37%. A total of 403 MT of yellowfin tuna and 61 Mt of bigeye tuna was recorded during the first semester of 2018 compared to 399 MT of yellowfin tuna and 45 MT of bigeye tuna recorded for the same period in 2017. Catches of swordfish and marlins also increased from 143 Mt and 37 MT respectively between January to June 2017 to 152 MT and 42 MT respectively during the same period in 2018.

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

(Database Closed on 28/05/2019)

**Country: SEYCHELLES**

**Semester 1, Years 2008 - 2018**

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)	
2008	4	32	11	163,865	0.64	24	21	51	3	1	5	0	106
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	478,467	0.88	240	54	84	9	33	0	0	420
2017	29	184	12	1,137,459	0.57	399	45	143	17	37	0	5	647
2018	28	166	15	1,216,614	0.55	403	61	152	13	42	0	3	675

**Country: SEYCHELLES**

**Semester 2, Years 2008 - 2018**

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)	
2008	7	39	10	181,372	0.70	20	37	47	4	2	17	1	128
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	756,175	0.73	336	76	101	11	20	2	2	549
2017	26	146	14	915,345	0.56	341	72	72	7	22	2	1	515
2018													

Country: SEYCHELLES

Year: 2008 - 2018

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)	
2008	7	71	10	345,237	0.68	44	59	98	7	3	22	1	<b>233</b>
2009	9	113	10	481,668	0.68	68	59	170	15	5	12	1	<b>329</b>
2010	9	107	10	505,534	0.58	58	26	186	5	12	6	2	<b>295</b>
2011	4	55	10	287,938	0.83	46	23	141	5	7	15	1	<b>238</b>
2012	7	63	10	330,466	0.82	47	38	159	3	9	14	1	<b>271</b>
2013	6	68	11	398,770	0.66	55	24	162	3	5	12	0	<b>262</b>
2014	9	24	10	118,973	0.69	15	5	58	1	1	2	0	<b>82</b>
2015	11	56	11	205,505	0.95	98	33	47	5	11	1	0	<b>195</b>
2016	29	254	11	1,234,642	0.79	576	130	185	20	53	2	2	<b>969</b>
2017	31	330	13	2,052,804	0.57	740	117	215	24	60	2	6	<b>1162</b>

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

(Database Closed on 28/05/2019)

Country: SEYCHELLES

Year: 2017

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	35	13	189886	0.38	42	4	18	4	5	0	0	73
Feb	26	30	14	206,547	0.40	49	4	18	2	9	0	1	83
Mar	21	28	14	228,559	0.41	57	5	19	2	10	0	2	94
Apr	22	27	11	162,815	0.78	94	11	15	2	4	0	1	127
May	25	36	10	173,888	0.91	92	8	47	5	6	0	1	159
Jun	22	28	12	175,764	0.63	64	14	26	3	3	0	1	111
Jul	20	28	14	175,171	0.38	34	12	15	1	4	1	0	67
Aug	12	12	14	80,403	0.22	9	4	4	0	0	0	0	18
Sep	20	26	14	153,200	0.58	62	15	8	1	3	0	0	89
Oct	19	27	13	205,541	0.69	94	21	19	2	6	0	0	142
Nov	21	23	15	158,940	0.67	70	16	14	2	4	0	0	107
Dec	24	30	13	142,090	0.65	72	3	11	1	5	0	0	92
<b>Annual</b>	<b>21</b>	<b>330</b>	<b>13</b>	<b>2,052,804</b>	<b>0.57</b>	<b>740</b>	<b>117</b>	<b>215</b>	<b>24</b>	<b>60</b>	<b>2</b>	<b>6</b>	<b>1162</b>
Quarter 1	24	93	14	624,992	0.40	149	13	55	7	24	0	2	250
Quarter 2	23	91	11	512,467	0.77	251	32	88	10	13	0	3	397
Quarter 3	17	66	14	408,774	0.42	105	31	27	2	7	2	0	173
Quarter 4	21	80	14	506,571	0.68	236	41	44	5	15	0	1	342
<b>First Semester</b>	<b>23</b>	<b>184</b>	<b>12</b>	<b>1,137,459</b>	<b>0.57</b>	<b>399</b>	<b>45</b>	<b>143</b>	<b>17</b>	<b>37</b>	<b>0</b>	<b>5</b>	<b>647</b>
<b>Second Semester</b>	<b>19</b>	<b>146</b>	<b>14</b>	<b>915,345</b>	<b>0.56</b>	<b>341</b>	<b>72</b>	<b>72</b>	<b>7</b>	<b>22</b>	<b>2</b>	<b>1</b>	<b>515</b>

Country: SEYCHELLES

Year: 2018

Month	Vessels		Mean Trip Duration (Days)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin (Mt)	Bigeye (Mt)	Swordfish (Mt)	Catches				Total Catch (Mt)
	Covered (Number)	Trips (Number)							Sailfish (Mt)	Marlins (Mt)	Shark (Mt)	Others (Mt)	
Jan	24	27	16	168020	0.46	55	5	13	0	4	0	0	77
Feb	22	23	16	186,740	0.48	62	7	15	0	5	0	0	89
Mar	21	33	14	209,633	0.58	85	16	12	1	8	0	0	122
Apr	24	28	15	211,586	0.69	91	20	22	3	8	0	2	147
May	23	32	13	188,915	0.71	54	6	54	8	11	0	0	133
Jun	19	23	14	251,720	0.42	56	8	36	0	5	0	0	107
Jul													
Aug													
Sep													
Oct													
Nov													
Dec													
<b>Annual</b>	<b>22</b>	<b>166</b>	<b>15</b>	<b>1,216,614</b>	<b>0.55</b>	<b>403</b>	<b>61</b>	<b>152</b>	<b>13</b>	<b>42</b>	<b>0</b>	<b>3</b>	<b>674</b>
Quarter 1	22	83	15	564,393	0.51	201	27	40	2	17	0	0	288
Quarter 2	22	83	14	652,221	0.59	202	34	112	12	25	0	3	387
Quarter 3													
Quarter 4													
<b>First Semester</b>	<b>22</b>	<b>166</b>	<b>15</b>	<b>1,216,614</b>	<b>0.55</b>	<b>403</b>	<b>61</b>	<b>152</b>	<b>13</b>	<b>42</b>	<b>0</b>	<b>3</b>	<b>674</b>
<b>Second Semester</b>													

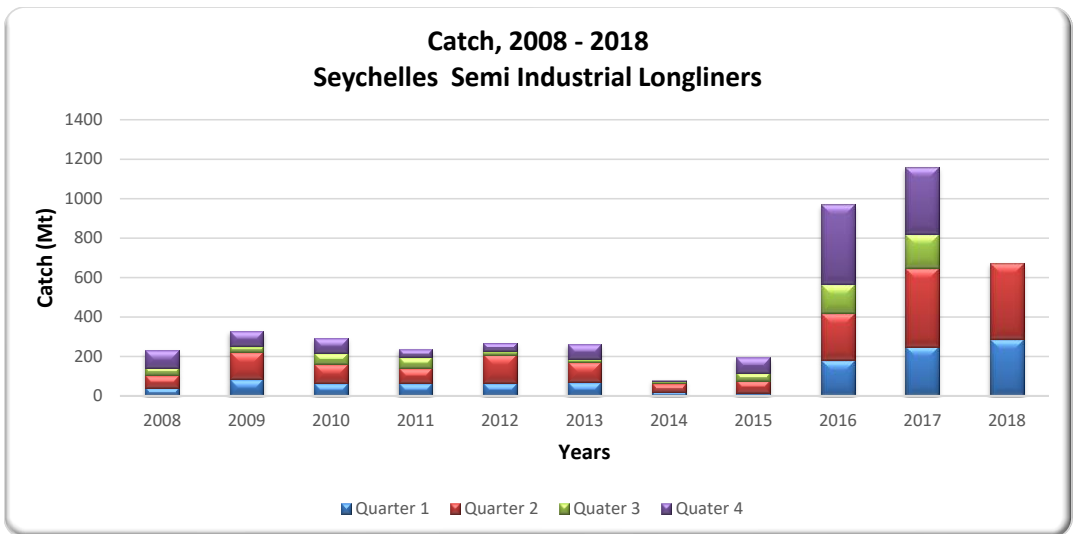


Figure 3A: Semi-Industrial Longliners Total catch by Year, 2008 - 2018

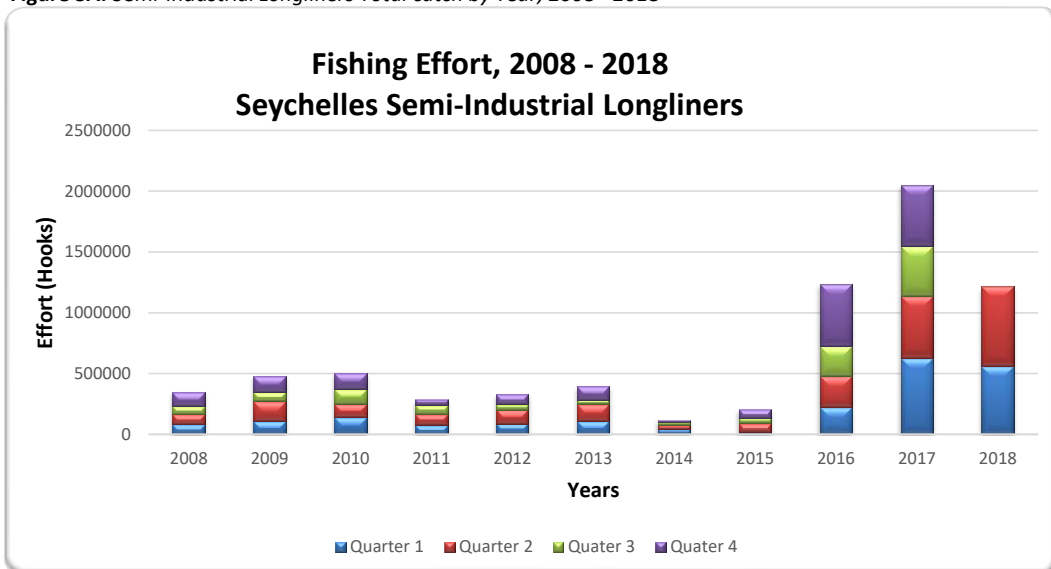


Figure 3B: Semi-Industrial longliners fishing effort by Year, 2008 - 2018

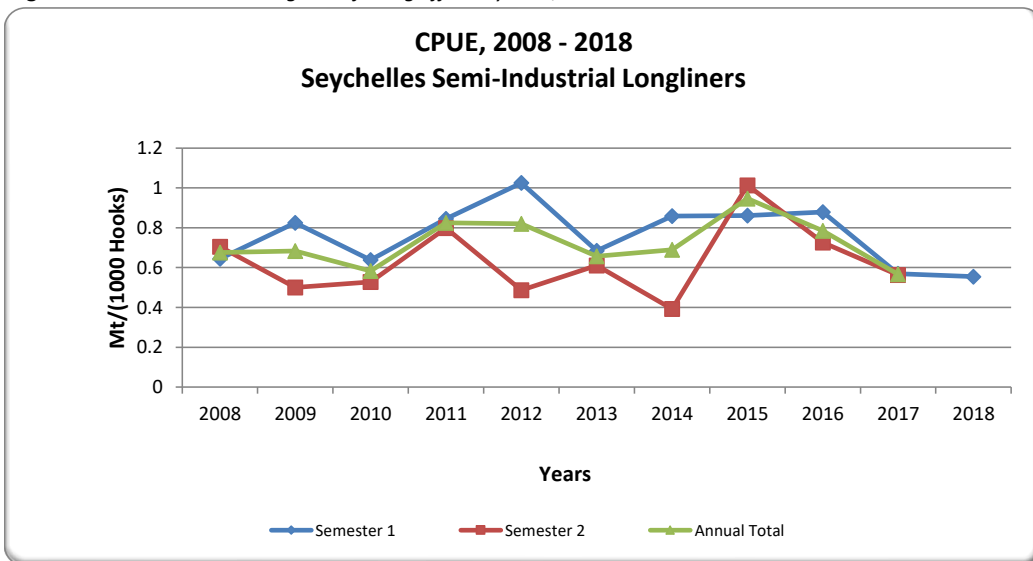


Figure 3C: Semi-Industrial Longliners CPUE by Year, 2008- 2018

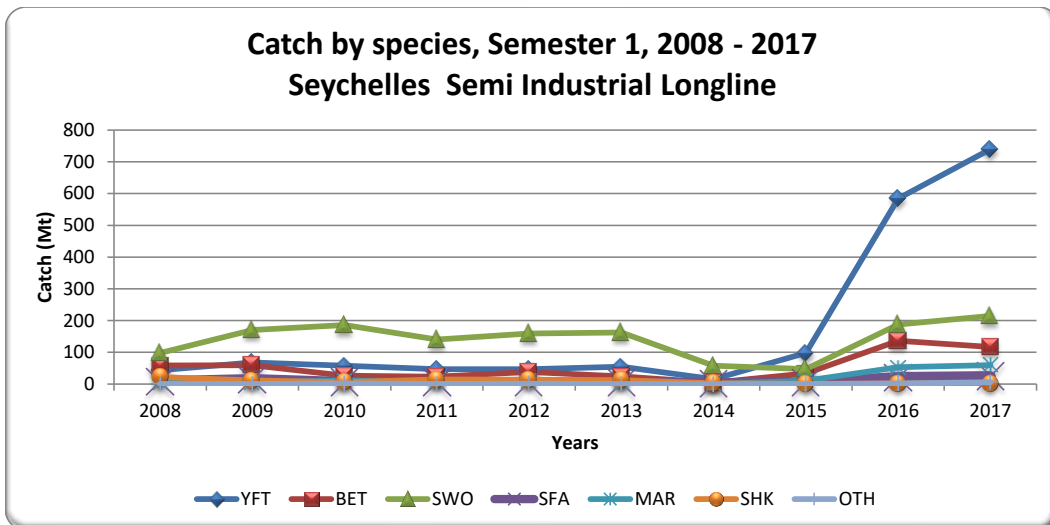


Figure 3D: Semi-Industrial Longliners catch by species by Year, 2008 - 2017

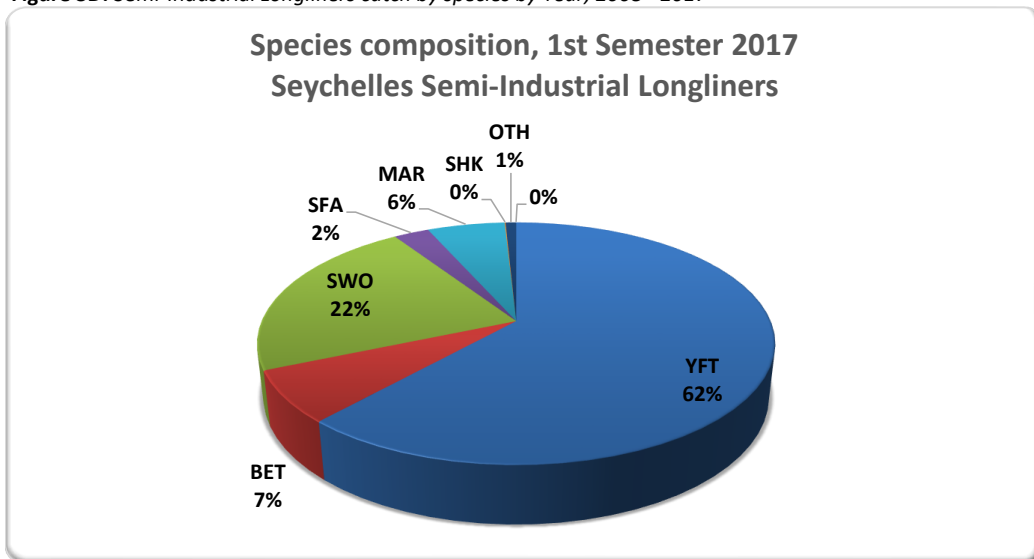


Figure 3E: Semi-Industrial longliners species composition, Semester 1, Year 2017

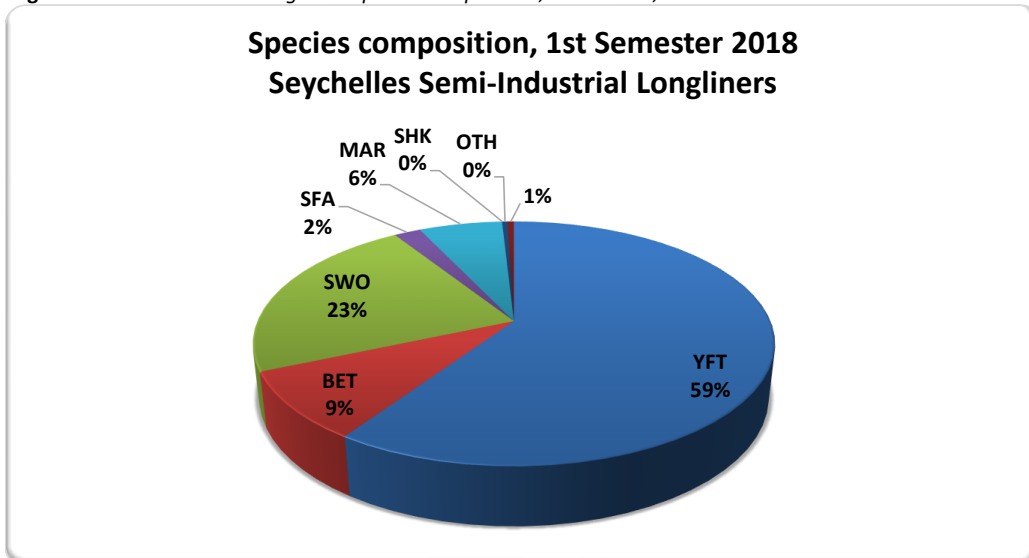


Figure 3F: Semi-Industrial longliners species composition, Semester 1, Year 2018



# Artisanal Fishery



Pirogue



Whaler



Mini Mahe



Lekonomie



Lavenir



Schooners



## 4. SUMMARY OF ARTISANAL FISHERY

### 4.1. *Vessel Active*

- The historical trend shows that the mean number of boats active per month decreased from a peak of 511 boats in 2009 to 439 boats active per month in 2010 and has since then remained more or less constant averaging to 442 boats active per month during the last five years (Table 4.1A and Figure 22). The artisanal fleet has remained dominated by outboard accounting for 66% of the fleet whilst whalers represented 22% of the fleet.
- In 2017, the mean number of boats operating per month in the artisanal fishery decreased by 28% from 476 boats in 2016 to 342 boats. In terms of vessel type, 66% of the fleets were outboard vessels and 22% were whalers in 2017 compared to 75% of outboard and 20% of whalers in 2016. The number of semi industrial longliners conducting fishing trips targeting demersal fish stood at an average of 1 vessel active per month compared to an average 3 vessels for the same period the previous year (Table 4.1B).
- During the first semester of 2018, the mean number of boats operating per month increased by 11% to a mean of 385 boats active from a mean of 349 boats operating per month during the same period the previous year. The fleet composed of 67% outboard, 21% whaler and 12% schooner during the first six months of 2018 like the same period the previous year.

### 4.2. *Catch Statistic by Vessel Type*

- Time series of catches shows that 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 has been on a decreasing trend.
- In 2017, the total artisanal catches increased significantly by 67% to reach 4210.9 MT from 2515.8 MT estimated for the year 2016 out of which 85% of the estimated catches in 2017 was landed on Mahe and 15% was landed on Praslin and La Digue (figure 4A).
- During the first semester of 2018, catches by artisanal fishing boats increased by 33% from 1998.1 MT during the same period in 2017 to 2658.6 MT out of which 86% was landed on Mahe, 11% on Praslin and 4% on La Digue like the same period the previous year.
- The increase in catches in 2017 was observed across all the main fleet. Catches of outboard increased by 89% to reach a record of 2469.6 MT compared to 1309.4 MT in 2016, despite a decrease of 37% in number of outboard active per month. Similarly catches by whalers increased by 38% to reach 1319.5 MT in 2017 compared to 958.7 MT in 2016 despite a drop of 19% in average number of whalers active per month. Catches by schooners increased by 60% from 223.2 MT in 2016 to 357.8 MT in 2017 corresponding to an increase of 194% in mean number of schooners operating per month in 2017.

- During the first semester of 2018, catches by outboard vessels was estimated at 1556.5 MT, whilst catches by whalers and schooners stood at 824.4 MT and 248.2 MT respectively. This represents an increase of 40%, 28% and 10% in catches of outboard, whalers and schooners respectively when compared to the same period the previous year. During the first semester of 2017, catches of outboard, whalers and schooners were estimated at 1114.1 MT, 643.8 MT and 224.9 MT respectively.
- For the whole of 2017, whalers and outboard accounted for 31% and 59% of the total artisanal catches respectively whilst schooners accounted for 8% of the total catch. In 2016, whaler, outboard and schooners accounted for 38%, 52% and 9% of the total artisanal catches respectively (Table 4.2A).
- During the first semester of 2018, catches of outboard, whalers and schooners accounted for 59%, 31% and 9% respectively whilst during the same period the previous year catches of outboard, whalers and schooners represented 56%, 32% and 11% respectively.

#### **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 68% of total catch landed in 2017 followed by encircling gillnet (16%) and static trap (10%). Total catch by handline for the year 2017 is estimated at 2874.0 MT representing a remarkable increase of 91% over the 1502.2 MT estimated for the year 2016.
- In 2017, increased in catches were observed by all gears when compared to the previous year where encircling gillnet increased by 49%, active and static traps increased by 47% and 40% respectively and catches by 'Other' gear increased by 50%.
- During the first six months of 2018, handline fishery dominated the artisanal catches accounting for 74% of the total catch whilst gillnets accounted for 15% of the total catch. A total of 1960.0 MT was reported by handline fishery compared to 1404.0 MT reported by handline fishery during the same period the previous year. This represents an increase of 40% in catches by handline fishery. Catches by gillnets and harpoon increased by 54% and 51% whilst catches by 'other' gears decreased by 66%.

#### **4.4. Catch Statistics by Species**

- Between 2007 and 2013, artisanal catches have been dominated by carangues, bourgeois, job and maquereau doux accounting on average 24%, 16%, 13% and 9% of artisanal catch per year respectively (Table 4.4). Trend analysis shows that over the last five years, catches of carangues and job has fluctuated between years, catches of bourgeois has been on a declining trend whilst catches of maquereau doux has been on the increase (Figure 4D – 4I).

- During the year 2017, significant increase was observed among all species (> 45%) except for cordonier which decreased by 18% and mackerel which remained stable. Catches of Carangues, Bonite, other trap fish and crabs were the highest estimated catch over the last 10 years.
- During the first semester of 2018, significant increase of over 50% was recorded in catches of Carangues (63%), Red Snapper (58%), job (67%), Maconde (61%), other vielle (87%) and shark and rays (94%) when compared to the same period the previous year. Significant decrease was observed in catches of Mackerel (56%) and crab (69%).
- The most important species groups landed for the whole of 2017 were carangues (33%), Bourgeois (10%) and job (8%) whilst for the previous year the artisanal catches were dominated by carangues (29%), maquereau doux (9%) and job (9%)
- During the first semester of 2018, artisanal catches were dominated by carangues (39%) and job (10%) whilst during the same period the previous year the catches were dominated by carangues (32%), bourgeois (10%) and job (8%), (Figure 4K-L).

#### **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. (Table 4.5 and Figure 4M). Fishing effort for trap fishery has remained constant over the last 10 years (Figure 4N). For net fishery, the fishing effort has been on the increase between the year 2010 and 2014 and has since then fluctuated (Figure 4O).
- In 2017, the total effort for handline fishery increased significantly by 70% from an estimated total of 35,286 men days in 2016 to an estimated 59,969 men days. Fishing effort by outboard, whaler and schooner in the handline fishery increased by 53%, 46% and 231% respectively when compared to the previous year. Fishing effort for outboard and schooner handline fishery was the highest recorded over the last 10 years.
- During the first semester of 2018, fishing effort of outboard handline fishery increased by 47% from 9228 men days during the same period the previous year to 13,525 men days. This corresponds to an increase of 34% in number of fishing trips by outboard. Fishing effort in term of men days and fishing trips for the whaler handline increased slightly by 7% and 4% respectively whilst fishing effort of the schooner handline fishery decreased by 40% despite a slight 4% increase in the number of fishing trips.
- The estimated effort for trap fishery in 2017 increased by 53% when compared to the previous year. The fishing effort for trap is estimated at 125,451 traps sets in 2017 compared to 81,953 traps set in 2016, the highest estimated over the last 10 years. A remarkable increase of 112% in number of traps sets by whaler and an increase of 54% by outboard was estimated in 2017 when compared to the year 2016.
- During the first semester of 2018, a total of 60,247 traps were sets compared to 58,682 traps sets during the same period the previous year. This represents a slight increase of 3% in number of traps sets.

- A decrease of 15% was estimated in fishing effort in the net fishery recorded in 2017, where a total of 2,173 sets were made compared to 2,564 sets made during the previous year.
- During the first semester of 2018, the fishing effort of the net fishery is estimated at 1,367 sets representing an increase of 29% when compared to the 1,058 sets estimated for the same period, the previous year.

#### **4.6. Catch Rate by Vessel Type and Gear Type**

- Time series of catch rate shows that between 2008 and 2013, catch rate by artisanal boats conducting handline fishery fluctuated between 43.3 kg/ man day and 64.9 kg/ man day and has since then been on a decreasing trend. (Table 4.6 and Figure 4S). CPUE for trap fishery has been on an increasing trend since 2009 (Figure 4T). CPUE for net fishery has been on a decreasing trend between 2008 and 2011 and has since then fluctuated (Figure 4U).
- The catch rate for handline fishery increased slightly from 45.7 kg/ man day in 2016 to an estimated 46.9 kg/ man day in 2017. Significant increase in handline catch rate were observed by outboard from 37.2 kg/ man day in 2016 to 63.0 kg/ man day in 2017. Catch rate for the whaler handline fishery decreased from 53.8 kg/ man day in 2016 to 49.9 kg/ man day in 2017 and catch rate for the schooner handline fishery also decreased from 40.0 kg/ man day to 19.0 kg/ man day when compared to the previous year.
- During the first semester of 2018, the catch rate for handline fishery increased to an estimated 59.8 kg/ man day compared to 45.5 kg/man day during the same period the previous year. Catch rate for outboard handline fishery remained like for the same period the previous year whilst catch rate for whaler and schooner handline fishery increased significantly. Catch rate for whaler handline increased from 49.1 kg/ man day to 59.6 kg/ man day and schooner handline increased from 19.7 kg/ man day to 45.3 kg/ man day.
- CPUE for the trap fishery is estimated at 4.3 kg/ trap in 2017 compared to 6.0 kg/ trap in 2016. Increase in catch rate was observed for whalers where the catch rate is estimated at 18.2 kg/ trap in 2017 compared to 7.9 kg/ trap in 2016. Catch rate in outboard trap fishery decrease from an estimated 6.0 kg/ trap in 2016 to 4.2 kg per trap in 2017.
- Catch rate for trap fishery during the first semester of 2018 is estimated at 4.3 kg/trap like for the same period the previous year which was estimated at 4.5 kg/trap. Catch rate for whaler trap fishery decreased sharply from 34.4 kg/ trap during the first six months of 2017 to 7.0 kg/ trap during the same period in 2018 whilst catch rate for outboard trap fishery remained the same.
- Significant increase was estimated in catch rate in the net fishery in 2017 where the catch rate increase from 178.8 kg/set in 2016 to 313.4 kg/set in 2017. (Table 4.6).
- During the first six months of 2018, catch rate for net fishery increased to 282.1 kg/ set compared to 237.2 kg/ set for the same period the previous year.

**TABLE 4.1A Mean Number of boats operating per Month per Year**

(Database Closed on 21/08/2019)

**Years: 2008- 2018**

Vessel Type	Year										
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018**
Fishermen on Foot	32	58	24	26	26	7	4	15	2	0	0
Pirogue	15	15	10	10	9	9	7	7	7	1	0
Outboard	261	310	284	270	283	287	298	305	356	225	259
Inboard	1	2	1	0	0	1	1	1	1	0	0
Whaler	103	104	97	96	96	99	95	94	94	76	80
Schooner	19	21	22	21	22	20	19	18	13	39	46
Semi Industrial Longliner*	1	1	1	1	2	2	4	5	3	1	2
<b>Annual</b>	<b>432</b>	<b>511</b>	<b>439</b>	<b>424</b>	<b>438</b>	<b>425</b>	<b>428</b>	<b>445</b>	<b>476</b>	<b>342</b>	<b>385</b>

\* Semi-industrial longliners conducting artisanal fishing trips

\*\*For first semester only

**TABLE 4.1B Mean Number of boats operating by Month**

(Database Closed on 21/08/2019)

**Country: SEYCHELLES****Year: 2017**

Month	Pirogue	Outboard	Whaler	Schooner	Semi Industrial Longliner*	Total
Jan	1	203	80	37		321
Feb		216	77	45		338
Mar		242	81	48	1	372
Apr		227	81	47	2	357
May	1	230	76	47		354
Jun		236	72	41		349
Jul		179	62	28		269
Aug		213	68	26	1	308
Sep		239	78	27		344
Oct		287	93	39		419
Nov		253	72	45	1	371
Dec		180	74	42		296
<b>Annual</b>	<b>1</b>	<b>225</b>	<b>76</b>	<b>39</b>	<b>1</b>	<b>342</b>
Quarter 1	1	220	79	43	2	344
Quarter 2	1	231	76	45	2	353
Quarter 3	1	210	69	27	1	307
Quarter 4		240	80	42	1	362
<b>First Semester</b>	<b>1</b>	<b>226</b>	<b>78</b>	<b>44</b>	<b>2</b>	<b>349</b>
<b>Second Semester</b>		<b>225</b>	<b>75</b>	<b>35</b>	<b>1</b>	<b>335</b>

\* Semi-industrial longliners conducting artisanal fishing trips

**Country: SEYCHELLES****Year: 2018**

Month	Pirogue	Outboard	Whaler	Schooner	Semi Industrial Longliner*	Total
Jan		270	68	38	2	378
Feb		265	74	45	2	386
Mar		256	90	48	2	396
Apr		282	88	49	1	420
May		235	83	49	1	368
Jun		243	75	45		363
Jul						
Aug						
Sep						
Oct						
Nov						
Dec						
<b>Annual</b>		<b>259</b>	<b>80</b>	<b>46</b>	<b>2</b>	<b>385</b>
Quarter 1		264	77	44	2	387
Quarter 2		253	82	48	1	384
Quarter 3						
Quarter 4						
<b>First Semester</b>		<b>259</b>	<b>80</b>	<b>46</b>	<b>2</b>	<b>385</b>
<b>Second Semester</b>						

\* Semi-industrial longliners conducting artisanal fishing trips

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

(Database Closed on 21/08/2019)

**Country: Seychelles****Semester 1, Years 2008 - 2018**

Month	Catch (Mt)							Catch (%)					
	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>
2008	13.8	12.5	563.9	1560.2	232.5	1.6	<b>2384.5</b>	1%	1%	24%	65%	10%	0%
2009	6.4	25.4	637.6	817.3	255.8	2.0	<b>1744.6</b>	0%	1%	37%	47%	15%	0%
2010	6.1	4.2	485.0	581.3	257.2	1.2	<b>1335.0</b>	0%	0%	36%	44%	19%	0%
2011	4.4	6.7	557.0	605.9	259.2	20.1	<b>1453.3</b>	0%	0%	38%	42%	18%	1%
2012	6.6	11.8	669.3	353.7	231.7	10.3	<b>1283.5</b>	1%	1%	52%	28%	18%	1%
2013	5.7	16.9	575.0	965.7	223.3	24.9	<b>1811.5</b>	0%	1%	32%	53%	12%	1%
2014	3.0	29.4	776.0	849.7	289.9	67.3	<b>2015.4</b>	0%	1%	39%	42%	14%	3%
2015	0.7	11.6	636.4	533.3	183.6	75.0	<b>1440.6</b>	0%	1%	44%	37%	13%	5%
2016	1.6	9.2	766.0	535.7	152.0	8.7	<b>1473.3</b>	0%	1%	52%	36%	10%	1%
2017	0.0	0.0	1114.1	643.8	224.9	15.2	<b>1998.0</b>	0%	0%	56%	32%	11%	1%
2018	0.0	0.0	1556.5	824.4	248.2	29.5	<b>2658.6</b>	0%	0%	59%	31%	9%	1%

<sup>1</sup> Schooner catches include schooner handline and other gears such as dropline<sup>2</sup> Semi-industrial longliners conducting artisanal fishing trips excluding semi industrial fishery Longline sets**Country: Seychelles****Semester 2, Years 2008 - 2017**

Month	Catch (Mt)							Catch (%)					
	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>
2008	24.1	16.5	650.2	1508.2	193.7	0.6	<b>2393.4</b>	1%	1%	27%	63%	8%	0%
2009	13.8	8.5	496.7	619.0	147.9	0.1	<b>1286.0</b>	1%	1%	39%	48%	12%	0%
2010	8.3	11.8	395.0	659.5	187.0	0.0	<b>1261.6</b>	1%	1%	31%	52%	15%	0%
2011	5.6	8.4	392.5	880.4	126.8	3.9	<b>1417.6</b>	0%	1%	28%	62%	9%	0%
2012	6.6	12.5	598.8	416.6	173.2	15.3	<b>1222.9</b>	1%	1%	49%	34%	14%	1%
2013	5.1	26.8	946.7	1174.3	156.6	29.3	<b>2338.8</b>	0%	1%	40%	50%	7%	1%
2014	2.8	27.2	684.2	609.6	230.7	62.7	<b>1617.1</b>	0%	2%	42%	38%	14%	4%
2015	2.0	9.0	813.8	760.0	86.4	102.5	<b>1773.6</b>	0%	1%	46%	43%	5%	6%
2016	1.3	3.7	543.4	423.0	71.2	0.0	<b>1042.5</b>	0%	0%	52%	41%	7%	0%
2017	0.0	0.0	1355.4	675.7	132.9	48.7	<b>2212.7</b>	0%	0%	61%	31%	6%	2%

<sup>1</sup> Schooner catches include schooner handline and other gears such as dropline<sup>2</sup> Semi-industrial longliners conducting artisanal fishing trips excluding semi industrial fishery Longline sets



Country: Seychelles

Years 2008 - 2017

Month	Catch (Mt)							Catch (%)					
	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>
2008	37.9	28.9	1214.2	3068.5	426.2	2.2	<b>4777.8</b>	1%	1%	25%	64%	9%	0%
2009	20.2	33.9	1134.2	1436.3	403.8	2.2	<b>3030.6</b>	1%	1%	37%	47%	13%	0%
2010	14.4	16.0	880.0	1240.8	444.2	1.2	<b>2596.6</b>	1%	1%	34%	48%	17%	0%
2011	10.1	15.2	949.5	1486.3	386.0	23.9	<b>2871.0</b>	0%	1%	33%	52%	13%	1%
2012	13.2	24.2	1268.2	770.3	405.0	25.6	<b>2506.4</b>	1%	1%	51%	31%	16%	1%
2013	10.8	43.7	1521.7	2140.1	379.8	54.2	<b>4150.4</b>	0%	1%	37%	52%	9%	1%
2014	5.8	56.6	1460.2	1459.2	520.6	130.0	<b>3632.5</b>	0%	2%	40%	40%	14%	4%
2015	2.6	20.5	1450.3	1293.3	270.0	177.5	<b>3214.2</b>	0%	1%	45%	40%	8%	6%
2016	2.9	12.9	1309.4	958.7	223.2	8.7	<b>2515.8</b>	0%	1%	52%	38%	9%	0%
2017	0.0	0.0	2469.5	1319.5	357.8	64.0	<b>4210.8</b>	0%	0%	59%	31%	8%	2%

<sup>1</sup> Schooner catches include schooner handline and other gears such as dropline

<sup>2</sup> 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 21/08/2019)

**Country: Seychelles Year: 2017**

Month	Catch (Mt)							Catch (%)					
	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>
Jan			121.3	89.6	31.3		242.2	0%	0%	50%	37%	13%	0%
Feb			110.2	89.1	43.4		242.7	0%	0%	45%	37%	18%	0%
Mar			260.7	164.4	52.9		478.0	0%	0%	55%	34%	11%	0%
Apr			140.8	68.7	29.8	15.2	254.5	0%	0%	55%	27%	12%	6%
May			287.5	133.9	45.0		466.4	0%	0%	62%	29%	10%	0%
Jun			193.7	98.0	22.5		314.2	0%	0%	62%	31%	7%	0%
Jul			138.3	104.9	5.9		249.1	0%	0%	56%	42%	2%	0%
Aug			124.1	99.4	5.3	0.3	229.1	0%	0%	54%	43%	2%	0%
Sep			328.9	67.3	13.4		409.6	0%	0%	80%	16%	3%	0%
Oct			402.9	204.5	29.1		636.5	0%	0%	63%	32%	5%	0%
Nov			206.5	103.6	53.8	48.4	412.3	0%	0%	50%	25%	13%	12%
Dec			154.8	96.0	25.5		276.3	0%	0%	56%	35%	9%	0%
<b>Annual</b>	<b>0.0</b>	<b>0.0</b>	<b>2469.7</b>	<b>1319.4</b>	<b>357.9</b>	<b>63.9</b>	<b>4210.9</b>	<b>0%</b>	<b>0%</b>	<b>59%</b>	<b>31%</b>	<b>8%</b>	<b>2%</b>
Quarter 1	0.0	0.0	492.2	343.1	127.6	0.0	962.9	0%	0%	51%	36%	13%	0%
Quarter 2	0.0	0.0	622.0	300.6	97.3	15.2	1035.1	0%	0%	60%	29%	9%	1%
Quarter 3	0.0	0.0	591.3	271.6	24.6	0.3	887.8	0%	0%	67%	31%	3%	0%
Quarter 4	0.0	0.0	764.2	404.1	108.4	48.4	1325.1	0%	0%	58%	30%	8%	4%
First Semester	0.0	0.0	1114.2	643.7	224.9	15.2	1998.0	0%	0%	56%	32%	11%	1%
Second Semester	0.0	0.0	1355.5	675.7	133.0	48.7	2212.9	0%	0%	61%	31%	6%	2%

<sup>1</sup>Schooner catches include schooner handline and other gears such as dropline

<sup>2</sup>Semi-industrial longliners conducting artisanal fishing trips excluding semi industrial fishery Longline sets

**Country: Seychelles Year: 2018**

Month	Catch (Mt)							Catch (%)					
	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>
JAN			201.2	99.5	18.6		319.3	0%	0%	63%	31%	6%	0%
FEB			276.6	95.9	82.2	14.5	469.2	0%	0%	59%	20%	18%	3%
MAR			204.8	117.7	59.4	4.5	386.4	0%	0%	53%	30%	15%	1%
APR			267.0	138.5	48.5	8.7	462.7	0%	0%	58%	30%	10%	2%
MAY			378.6	206.8	11.8	1.9	599.1	0%	0%	63%	35%	2%	0%
JUN			228.3	166.0	27.8		422.1	0%	0%	54%	39%	7%	0%
JUL													
AUG													
SEP													
OCT													
NOV													
DEC													
<b>Annual</b>	<b>0.0</b>	<b>0.0</b>	<b>1556.5</b>	<b>824.4</b>	<b>248.3</b>	<b>29.6</b>	<b>2658.8</b>	<b>0%</b>	<b>0%</b>	<b>59%</b>	<b>31%</b>	<b>9%</b>	<b>1%</b>
Quarter 1	0.0	0.0	682.6	313.1	160.2	19.0	1174.9	0%	0%	58%	27%	14%	2%
Quarter 2	0.0	0.0	873.9	511.3	88.1	10.6	1483.9	0%	0%	59%	34%	6%	1%
Quarter 3													
Quarter 4													
First Semester	0.0	0.0	1556.5	824.4	248.3	29.6	2658.8	0%	0%	59%	31%	9%	1%
Second Semester													

<sup>1</sup>Schooner catches include schooner handline and other gears such as dropline

<sup>2</sup>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 21/08/2019)

Country: Seychelles

Semester 1, Years 2008 - 2018

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*
2008	13.8	147.2	0.0	41.5	91.7	1986.0	101.5	2.9	<b>2384.5</b>	1%	6%	0%	2%	4%	83%	4%	0%
2009	5.8	190.8	1.1	15.1	107.2	1343.0	79.6	2.0	<b>1744.6</b>	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	<b>1335.0</b>	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	<b>1453.3</b>	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	<b>1283.5</b>	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	<b>1811.5</b>	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	<b>2015.4</b>	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	<b>1440.6</b>	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	<b>1473.3</b>	0%	18%	0%	4%	10%	60%	4%	4%
2017	22.4	251.0	0.0	67.9	196.3	1404.0	0.0	56.4	<b>1998.0</b>	1%	13%	0%	3%	10%	70%	0%	3%
2018	33.8	385.6	0.0	71.7	188.3	1960.0	0.0	19.2	<b>2658.6</b>	1%	15%	0%	3%	7%	74%	0%	1%

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

Country: Seychelles

Semester 2, Years 2008 - 2017

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*
2008	23.1	239.8	0.0	30.4	135.8	1846.3	117.3	0.6	<b>2393.4</b>	1%	10%	0%	1%	6%	77%	5%	0%
2009	9.2	135.4	0.0	27.4	151.7	894.5	64.8	3.1	<b>1286.0</b>	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	<b>1261.6</b>	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	<b>1417.6</b>	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	<b>1222.9</b>	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	<b>2338.8</b>	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	<b>1617.1</b>	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	<b>1773.6</b>	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	<b>1042.5</b>	0%	19%	0%	4%	14%	59%	5%	0%
2017	2.2	430.0	0.0	67.4	211.8	1469.9	0.0	31.4	<b>2212.7</b>	0%	19%	0%	3%	10%	66%	0%	1%

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

Country: Seychelles

Years : 2008 - 2017

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*
2008	36.9	387.0	0.0	71.9	227.5	3832.3	218.7	3.5	<b>4777.8</b>	1%	8%	0%	2%	5%	80%	5%	0%
2009	15.0	326.1	1.1	42.5	258.8	2237.5	144.4	5.1	<b>3030.6</b>	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	<b>2596.6</b>	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	<b>2871.0</b>	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	<b>2506.4</b>	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	<b>4150.4</b>	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	<b>3632.5</b>	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	<b>3214.2</b>	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	<b>2515.8</b>	0%	18%	0%	4%	12%	60%	4%	2%
2017	24.6	681.0	0.0	135.3	408.1	2874.0	0.0	87.9	<b>4210.9</b>	1%	16%	0%	3%	10%	68%	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 21/08/2019)

**Country: Seychelles Year: 2017**

Month	Catch (Mt)							Catch (%)					
	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*	Total	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*
Jan	1.9	15.0	7.0	43.0	159.6	15.7	<b>242.2</b>	1%	6%	3%	18%	66%	6%
Feb	7.1	22.2	7.0	28.2	168.9	9.3	<b>242.7</b>	3%	9%	3%	12%	70%	4%
Mar	11.4	101.6	11.3	37.4	309.6	6.7	<b>478.0</b>	2%	21%	2%	8%	65%	1%
Apr	1.4	4.3	14.3	35.0	199.0	0.5	<b>254.5</b>	1%	2%	6%	14%	78%	0%
May	0.0	96.3	8.1	31.6	308.3	22.2	<b>466.5</b>	0%	21%	2%	7%	66%	5%
Jun	0.5	11.6	20.2	21.1	258.8	2.0	<b>314.2</b>	0%	4%	6%	7%	82%	1%
Jul	0.5	41.4	11.5	29.2	166.6		<b>249.2</b>	0%	17%	5%	12%	67%	0%
Aug	0.2	10.3	3.0	25.8	187.3	2.6	<b>229.1</b>	0%	4%	1%	11%	82%	1%
Sep		232.0	13.5	31.2	129.7	3.2	<b>409.5</b>	0%	57%	3%	8%	32%	1%
Oct		56.5	14.6	52.8	508.4	4.2	<b>636.5</b>	0%	9%	2%	8%	80%	1%
Nov	1.6	27.8	10.4	53.4	307.5	11.7	<b>412.3</b>	0%	7%	3%	13%	75%	3%
Dec		62.0	14.6	19.4	170.4	9.8	<b>276.3</b>	0%	22%	5%	7%	62%	4%
<b>Annual</b>	<b>24.6</b>	<b>681.0</b>	<b>135.3</b>	<b>408.1</b>	<b>2874.0</b>	<b>87.9</b>	<b>4210.9</b>	<b>1%</b>	<b>16%</b>	<b>3%</b>	<b>10%</b>	<b>68%</b>	<b>2%</b>
Quarter 1	20.4	138.8	25.3	108.6	638.0	31.8	<b>962.9</b>	2%	14%	3%	11%	66%	3%
Quarter 2	2.0	112.2	42.6	87.8	766.0	24.7	<b>1035.2</b>	0%	11%	4%	8%	74%	2%
Quarter 3	0.6	283.7	27.9	86.2	483.6	5.7	<b>887.7</b>	0%	32%	3%	10%	54%	1%
Quarter 4	1.6	146.3	39.6	125.6	986.3	25.7	<b>1325.1</b>	0%	11%	3%	9%	74%	2%
<b>First Semester</b>	<b>22.4</b>	<b>251.0</b>	<b>67.9</b>	<b>196.3</b>	<b>1404.0</b>	<b>56.4</b>	<b>1998.1</b>	<b>1%</b>	<b>13%</b>	<b>3%</b>	<b>10%</b>	<b>70%</b>	<b>3%</b>
<b>Second Semester</b>	<b>2.2</b>	<b>430.0</b>	<b>67.4</b>	<b>211.8</b>	<b>1469.9</b>	<b>31.4</b>	<b>2212.8</b>	<b>0%</b>	<b>19%</b>	<b>3%</b>	<b>10%</b>	<b>66%</b>	<b>1%</b>

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

**Country: Seychelles Year: 2018**

Month	Catch (Mt)							Catch (%)					
	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*	Total	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*
JAN	13.2	42.5	12.0	36.9	214.7		<b>319.3</b>	4%	13%	4%	12%	67%	0%
FEB	7.1	114.8	12.9	33.9	283.2	17.2	<b>469.1</b>	2%	24%	3%	7%	60%	4%
MAR	5.4	37.3	8.9	24.2	308.7	2.0	<b>386.5</b>	1%	10%	2%	6%	80%	1%
APR	5.1	121.6	22.8	14.6	298.6		<b>462.7</b>	1%	26%	5%	3%	65%	0%
MAY	2.2	28.2	2.6	49.2	516.8		<b>599.0</b>	0%	5%	0%	8%	86%	0%
JUN	0.9	41.2	12.5	29.5	338.0		<b>422.1</b>	0%	10%	3%	7%	80%	0%
JUL													
AUG													
SEP													
OCT													
NOV													
DEC													
<b>Annual</b>	<b>33.9</b>	<b>385.6</b>	<b>71.7</b>	<b>188.3</b>	<b>1960.0</b>	<b>19.2</b>	<b>2658.7</b>	<b>1%</b>	<b>15%</b>	<b>3%</b>	<b>7%</b>	<b>74%</b>	<b>1%</b>
Quarter 1	25.7	194.6	33.8	95.0	806.6	19.2	<b>1174.9</b>	2%	17%	3%	8%	69%	2%
Quarter 2	8.2	191.0	37.9	93.3	1153.4	0.0	<b>1483.8</b>	1%	13%	3%	6%	78%	0%
Quarter 3													
Quarter 4													
<b>First Semester</b>	<b>33.9</b>	<b>385.6</b>	<b>71.7</b>	<b>188.3</b>	<b>1960.0</b>	<b>19.2</b>	<b>2658.7</b>	<b>1%</b>	<b>15%</b>	<b>3%</b>	<b>7%</b>	<b>74%</b>	<b>1%</b>
<b>Second Semester</b>													

\*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 21/08/2019)

**Country: Seychelles****Semester 1, Years 2008 - 2018**

Species	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
CARANGUES	795.0	325.5	386.8	237.4	253.1	593.3	443.7	371.5	452.9	633.3	1030.3
MAQUEREAU DOUX	96.9	87.0	104.6	178.7	234.5	154.8	189.6	152.5	145.8	115.0	168.4
OTHER MAQUEREAU	42.3	100.5	17.9	1.8	121.7	44.8	125.5	68.4	57.4	85.9	38.0
BONITE	62.0	105.0	20.5	30.6	33.8	69.1	42.4	71.5	47.0	115.8	135.3
OTHER PELAGICS	16.5	8.5	22.6	5.2	8.2	30.7	17.4	41.7	7.7	32.4	28.2
BECUNE	103.0	44.7	32.8	29.9	19.6	50.3	81.6	74.3	63.5	92.6	120.6
CORDONIER	96.6	78.8	103.8	147.4	102.7	76.4	97.1	96.4	155.3	113.1	133.3
OTHER TRAP FISH	63.3	69.3	63.8	69.1	73.5	74.1	73.7	59.9	43.1	90.3	83.2
RED SNAPPER	79.0	64.2	51.1	35.0	36.0	58.9	100.5	24.1	26.3	52.0	82.1
BOURGEOIS	433.2	347.8	178.1	327.7	105.7	211.0	168.0	95.6	149.8	196.6	185.6
JOB	325.7	303.6	202.5	167.4	116.2	231.6	241.0	176.2	137.5	165.0	275.8
MACONDE	33.2	14.2	15.5	40.0	22.4	15.3	33.8	27.4	26.2	30.4	48.9
OTHER VIELLE	51.5	42.6	26.4	31.4	24.6	28.9	90.4	38.8	20.1	61.1	114.5
CAPITAINE	112.7	96.0	54.7	97.8	63.3	98.0	98.4	65.6	52.5	110.0	126.5
SHARKS & RAYS	18.1	10.4	4.2	12.5	12.0	15.1	26.9	16.7	12.4	14.0	27.0
OCTOPUS	13.8	6.3	6.0	4.1	8.6	11.9	15.7	6.9	6.1	27.1	36.2
OTHERS	37.8	40.2	37.3	35.6	45.4	47.4	138.7	38.0	57.2	19.9	11.4
CRAB	3.7	0.0	6.3	2.1	2.2	0.1	31.0	15.2	12.4	43.8	13.4
<b>Annual</b>	<b>2384.5</b>	<b>1744.6</b>	<b>1335.0</b>	<b>1453.3</b>	<b>1283.5</b>	<b>1811.5</b>	<b>2015.4</b>	<b>1440.6</b>	<b>1473.3</b>	<b>1998.1</b>	<b>2658.6</b>

**Country: Seychelles****Semester 2, Years 2007 - 2017**

Species	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
CARANGUES	432.4	212.6	288.4	591.1	294.9	760.7	383.4	459.3	280.1	749.0
MAQUEREAU DOUX	194.9	1.8	69.8	40.3	234.5	365.9	201.1	377.9	74.6	95.9
OTHER MAQUEREAU	43.1	119.1	11.2	35.7	72.7	96.8	110.4	70.6	72.1	67.9
BONITE	86.2	47.1	27.5	54.8	36.6	145.6	29.7	32.1	28.7	152.9
OTHER PELAGICS	18.5	14.7	13.5	11.0	8.7	42.6	13.9	74.5	10.6	43.3
BECUNE	96.6	45.0	20.7	11.6	25.2	55.0	33.0	55.9	60.7	72.3
CORDONIER	94.7	143.1	150.8	100.2	78.8	121.2	140.6	119.6	145.9	135.1
OTHER TRAP FISH	100.6	58.7	44.1	63.3	68.0	98.9	68.5	36.1	42.2	100.8
RED SNAPPER	128.8	35.5	25.5	31.3	22.1	45.7	59.0	67.1	26.6	52.8
BOURGEOIS	410.1	170.7	306.7	109.1	104.6	136.5	89.2	120.0	50.6	235.6
JOB	430.6	207.8	151.4	235.3	83.2	188.4	187.8	184.2	100.2	178.9
MACONDE	14.4	13.5	15.1	11.1	11.7	21.8	27.6	9.5	19.8	28.9
OTHER VIELLE	55.7	12.9	20.9	18.2	21.3	32.1	88.9	49.8	14.5	44.5
CAPITAINE	227.4	123.0	42.4	54.6	79.9	118.5	80.7	53.7	64.9	121.1
SHARKS & RAYS	4.7	29.8	16.4	14.4	21.9	21.2	21.8	9.9	18.6	7.1
OCTOPUS	26.9	11.8	3.8	7.7	4.2	12.8	7.8	8.2	4.7	9.3
OTHERS	27.6	36.1	44.7	23.4	49.0	65.4	46.8	35.6	5.6	65.3
CRAB	0.0	2.9	8.7	4.5	5.7	9.9	27.0	9.6	21.9	52.1
<b>Annual</b>	<b>2393.4</b>	<b>1286.0</b>	<b>1261.6</b>	<b>1417.6</b>	<b>1222.9</b>	<b>2338.8</b>	<b>1617.1</b>	<b>1773.6</b>	<b>1042.5</b>	<b>2212.8</b>

## Country: Seychelles

Years: 2008- 2017

Species	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
CARANGUES	1227.3	538.1	675.2	828.5	548.0	1354.0	827.1	830.8	733.0	1382.3
MAQUEREAU DOUX	291.8	88.7	174.3	219.0	469.0	520.7	390.7	530.4	220.4	210.9
OTHER MAQUEREAU	85.4	219.6	29.1	37.5	194.4	141.6	236.0	139.0	129.5	153.8
BONITE	148.2	152.1	48.0	85.3	70.4	214.7	72.1	103.6	75.7	268.7
OTHER PELAGICS	35.1	23.3	36.1	16.2	16.8	73.2	31.3	116.2	18.3	75.7
BECUNE	199.6	89.7	53.4	41.5	44.8	105.3	114.6	130.2	124.2	164.9
CORDONIER	191.3	221.9	254.6	247.5	181.4	197.6	237.7	215.9	301.3	248.1
OTHER TRAP FISH	163.9	128.0	108.0	132.3	141.5	173.0	142.3	96.0	85.3	191.1
RED SNAPPER	207.9	99.7	76.6	66.3	58.1	104.6	159.5	91.2	53.0	104.9
BOURGEOIS	843.4	518.5	484.8	436.9	210.2	347.6	257.2	215.7	200.4	432.2
JOB	756.4	511.3	353.9	402.7	199.4	420.0	428.8	360.4	237.7	343.8
MACONDE	47.6	27.7	30.6	51.1	34.2	37.0	61.4	36.9	46.0	59.3
OTHER VIELLE	107.2	55.5	47.3	49.6	45.8	60.9	179.4	88.6	34.7	105.6
CAPITAINE	340.1	219.1	97.1	152.4	143.2	216.5	179.1	119.3	117.4	231.1
SHARKS & RAYS	22.8	40.2	20.7	26.9	34.0	36.3	48.7	26.6	31.0	21.1
OCTOPUS	40.7	18.1	9.8	11.7	12.8	24.6	23.4	15.1	10.8	36.4
OTHERS	65.5	76.3	82.0	59.0	94.4	112.7	185.5	73.6	62.8	85.2
CRAB	3.7	2.9	15.0	6.6	8.0	9.9	58.0	24.8	34.3	95.9
<b>Annual</b>	<b>4777.8</b>	<b>3030.6</b>	<b>2596.6</b>	<b>2871.0</b>	<b>2506.4</b>	<b>4150.4</b>	<b>3632.5</b>	<b>3214.2</b>	<b>2515.8</b>	<b>4210.9</b>





**TABLE 4.5 Time Series of Effort Statistics for Artisanal Fishery by Vessel and Gear Type**

(Database Closed on 21/08/2019)

Country: SEYCHELLES

Semester 1, Years 2008 - 2018

Month	Handline Fishery					Fishermen on Foot	Trap Fishery				Net Fishery		
	Pirogue	Outboard	Whaler	Schooner	Total		Pirogue	Outboard	Whaler	Total	Pirogue	Outboard	Total
	Effort ( Mendays)						Effort ( Traps )				Effort ( Sets)		
2008	70	6847	25021	4166	<b>36104</b>	367	921	40545	179	<b>42012</b>	23	872	<b>895</b>
2009	519	7709	11821	4013	<b>24062</b>	384	609	31469	291	<b>32753</b>	36	950	<b>986</b>
2010	0	4647	11741	4638	<b>21026</b>	70	429	40236	658	<b>41393</b>	100	748	<b>848</b>
2011	126	4633	10100	5965	<b>20825</b>	186	1458	44506	151	<b>46300</b>	34	1086	<b>1119</b>
2012	92	4096	4761	5712	<b>14661</b>	338	255	41841	0	<b>42434</b>	54	699	<b>752</b>
2013	310	5987	12779	5108	<b>24184</b>	825	930	53497	0	<b>55252</b>	36	942	<b>978</b>
2014	155	5905	13664	6372	<b>26096</b>	470	1202	40611	0	<b>42282</b>	64	909	<b>973</b>
2015	99	7196	12793	4407	<b>24495</b>	455	1312	40177	517	<b>42461</b>	77	1202	<b>1279</b>
2016	161	7744	10200	3447	<b>21552</b>	113	639	42086	0	<b>42838</b>	220	1639	<b>1860</b>
2017	0	9228	12769	8535	<b>30532</b>	0	0	58206	476	<b>58682</b>	0	1058	<b>1058</b>
2018	0	13525	13704	5163	<b>32392</b>	0	0	59109	1138	<b>60247</b>	0	1367	<b>1367</b>

Country: SEYCHELLES

Semester 2, Years 2008 - 2017

Month	Handline Fishery					Fishermen on Foot	Trap Fishery				Net Fishery		
	Pirogue	Outboard	Whaler	Schooner	Total		Pirogue	Outboard	Whaler	Total	Pirogue	Outboard	Total
	Effort ( Mendays)						Effort ( Traps )				Effort ( Sets)		
2008	286	6601	18402	3242	<b>28531</b>	418	956	46928	615	<b>48917</b>	77	1007	<b>1084</b>
2009	75	6061	10667	3739	<b>20542</b>	1310	1611	55471	165	<b>58557</b>	90	536	<b>626</b>
2010	205	3756	17041	4125	<b>25127</b>	2875	1733	48148	0	<b>52756</b>	70	564	<b>634</b>
2011	148	4280	8982	4437	<b>17846</b>	133	1535	50754	0	<b>52421</b>	69	768	<b>837</b>
2012	113	3755	9839	4835	<b>18542</b>	600	1694	41238	0	<b>43532</b>	110	1246	<b>1355</b>
2013	94	5695	13351	3758	<b>22898</b>	194	1267	53611	269	<b>55341</b>	174	2015	<b>2189</b>
2014	152	5439	8764	4240	<b>18595</b>	636	1470	49001	106	<b>51213</b>	360	1261	<b>1621</b>
2015	137	6513	16495	2963	<b>26109</b>	158	836	35091	250	<b>36335</b>	122	915	<b>1037</b>
2016	149	5200	7503	882	<b>13734</b>	52	271	40164	610	<b>41097</b>	48	844	<b>892</b>
2017	0	10546	13091	5800	<b>29437</b>	0	0	65664	1105	<b>66769</b>		1115	<b>1115</b>

Country: SEYCHELLES

Years: 2008 - 2017

Month	Handline Fishery					Fishermen on Foot	Trap Fishery				Pirogue	Net Fishery	
	Pirogue	Outboard Effort ( Fishing Days)	Whaler	Schooner	Total		Pirogue	Outboard Effort ( Traps )	Whaler	Total		Outboard Effort ( Sets)	Total
2008	356	13448	43423	7408	<b>64635</b>	488	1385	87164	1273	<b>90309</b>	177	1755	<b>1932</b>
2009	593	13770	22488	7752	<b>44603</b>	1495	3069	99976	316	<b>104857</b>	123	1622	<b>1745</b>
2010	205	8403	28782	8763	<b>46153</b>	3213	1989	89989	0	<b>95191</b>	124	1262	<b>1386</b>
2011	274	8913	19082	10402	<b>38671</b>	958	2464	104251	0	<b>107673</b>	104	1711	<b>1815</b>
2012	204	7851	14600	10547	<b>33203</b>	1070	2896	81849	0	<b>85814</b>	174	2155	<b>2329</b>
2013	404	11682	26130	8866	<b>47082</b>	649	2579	93788	786	<b>97802</b>	251	3217	<b>3468</b>
2014	307	11344	22428	10612	<b>44691</b>	749	2108	91088	106	<b>94051</b>	581	2901	<b>3481</b>
2015	237	13709	29288	7370	<b>50604</b>	208	1318	72842	325	<b>74693</b>	250	1921	<b>2171</b>
2016	311	12944	17703	4329	<b>35286</b>	52	678	80479	744	<b>81953</b>	166	2398	<b>2564</b>
2017	0	19774	25860	14335	<b>59969</b>	0	0	123870	1581	<b>125451</b>	0	2173	<b>2173</b>

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

(Database Closed on 21/08/2019)

Country: SEYCHELLES

Year: 2017

Month	Outboard	Handline Fishery		Total	Fishermen on Foot	Trap Fishery		Total	Net Fishery	
		Whaler	Schooner			Outboard	Whaler		Outboard	Total
		Effort ( Fishing Days)				Effort ( Traps )			Effort ( Sets)	
Jan	1350	2014	376	3740	0	11963	69	12032	97	97
Feb	918	2069	1948	4935	0	7765		7765	147	147
Mar	1432	2625	2362	6419	0	10807	154	10961	187	187
Apr	1231	1742	1847	4820	0	11314	123	11437	27	27
May	2224	2294	890	5408	0	8226	130	8356	497	497
Jun	2072	2025	1113	5210	0	8131		8131	103	103
Jul	1397	1380	99	2876	0	9449	307	9756	77	77
Aug	2195	2378	95	4668	0	11007	169	11176	19	19
Sep	1068	1993	1601	4662	0	12513	248	12761	537	537
Oct	2752	3048	1763	7563	0	14671	97	14768	163	163
Nov	2131	2275	1453	5859	0	10328	215	10543	109	109
Dec	1003	2018	789	3810	0	7696	69	7765	210	210
<b>Annual</b>	<b>19773</b>	<b>25861</b>	<b>14336</b>	<b>59970</b>	<b>0</b>	<b>123870</b>	<b>1581</b>	<b>125451</b>	<b>2173</b>	<b>2173</b>
Quarter 1	3700	6708	4686	15094	0	30535	223	30758	431	431
Quarter 2	5527	6061	3850	15438	0	27671	253	27924	627	627
Quarter 3	4660	5751	1795	12206	0	32969	724	33693	633	633
Quarter 4	5886	7341	4005	17232	0	32695	381	33076	482	482
<b>First Semester</b>	<b>9227</b>	<b>12769</b>	<b>8536</b>	<b>30532</b>	<b>0</b>	<b>58206</b>	<b>476</b>	<b>58682</b>	<b>1058</b>	<b>1058</b>
<b>Second Semester</b>	<b>10546</b>	<b>13092</b>	<b>5800</b>	<b>29438</b>	<b>0</b>	<b>65664</b>	<b>1105</b>	<b>66769</b>	<b>1115</b>	<b>1115</b>

Country: SEYCHELLES

Year: 2018

Month	Outboard	Handline Fishery		Total	Fishermen on Foot	Trap Fishery		Total	Net Fishery	
		Whaler	Schooner			Outboard	Whaler		Outboard	Total
		Effort ( Fishing Days)				Effort ( Traps )			Effort ( Sets)	
Jan	2601	2046	887	5534	0	9464	402	9866	189	189
Feb	2121	2291	979	5391	0	8338		8338	91	91
Mar	2092	2682	1268	6042	0	7996	305	8301	186	186
Apr	2203	2522	499	5224	0	8446		8446	562	562
May	2444	1556	181	4181	0	12507	225	12732	109	109
Jun	2065	2607	1350	6022	0	12358	206	12564	230	230
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
<b>Annual</b>	<b>13526</b>	<b>13704</b>	<b>5164</b>	<b>32394</b>	<b>0</b>	<b>59109</b>	<b>1138</b>	<b>60247</b>	<b>1367</b>	<b>1367</b>
Quarter 1	6814	7019	3134	16967	0	25798	707	26505	466	466
Quarter 2	6712	6685	2030	15427	0	33311	431	33742	901	901
Quarter 3										
Quarter 4										
<b>First Semester</b>	<b>13526</b>	<b>13704</b>	<b>5164</b>	<b>32394</b>	<b>0</b>	<b>59109</b>	<b>1138</b>	<b>60247</b>	<b>1367</b>	<b>1367</b>
<b>Second Semester</b>										

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

(Database Closed on 21/08/2019)

**Country: SEYCHELLES**
**Semester 1, Years: 2008 - 2018**

Month	Pirogue	Handline Fishery CPUE ( kg/Men day)			Total	Fishermen on foot	Trap Fishery CPUE (kg/ Trap)			Total	Net Fishery CPUE ( kg/Set)		Total
		Outboard	Whaler	Schooner			Pirogue	Outboard	Whaler		Pirogue	Outboard	
2008	6.4	43.5	62.3	55.5	<b>57.8</b>	0.0	3.4	5.7	3.0	<b>5.7</b>	110.0	182.1	<b>173.6</b>
2009	32.3	43.3	69.0	63.8	<b>59.1</b>	3.3	4.5	4.3	8.5	<b>4.4</b>	182.4	171.1	<b>171.5</b>
2010	0.0	40.6	49.5	55.5	<b>48.8</b>	2.3	3.4	5.1	0.0	<b>5.1</b>	61.4	226.3	<b>214.5</b>
2011	10.7	37.7	60.0	42.4	<b>49.7</b>	1.6	3.4	5.4	0.0	<b>5.3</b>	75.2	192.6	<b>188.3</b>
2012	19.8	35.4	74.3	36.2	<b>48.3</b>	4.3	2.3	5.6	0.0	<b>5.5</b>	111.7	391.2	<b>372.7</b>
2013	13.2	40.3	75.3	41.3	<b>58.7</b>	2.8	2.7	4.9	5.6	<b>4.8</b>	121.8	166.7	<b>164.0</b>
2014	13.9	37.4	62.2	27.4	<b>47.8</b>	9.0	2.7	5.2	0.0	<b>5.2</b>	115.8	246.2	<b>230.7</b>
2015	21.3	37.4	41.6	37.4	<b>39.5</b>	3.2	4.2	5.2	21.0	<b>5.3</b>	57.7	215.6	<b>197.8</b>
2016	21.7	40.3	52.4	29.9	<b>44.2</b>	0.0	3.7	6.3	6.0	<b>6.3</b>	35.7	167.9	<b>158.6</b>
2017	0.0	64.3	49.1	19.7	<b>45.5</b>	0.0	0.0	4.3	34.4	<b>4.5</b>	0.0	237.2	<b>237.2</b>
2018	0.0	65.5	59.6	45.3	<b>59.8</b>	0.0	0.0	4.3	7.0	<b>4.3</b>	0.0	282.1	<b>282.1</b>

**Country: SEYCHELLES**
**Semester 2, Years: 2007- 2017**

Month	Pirogue	Handline Fishery CPUE ( kg/Men day)			Total	Fishermen on foot	Trap Fishery CPUE (kg/ Trap)			Total	Net Fishery CPUE ( kg/Set)		Total
		Outboard	Whaler	Schooner			Pirogue	Outboard	Whaler		Pirogue	Outboard	
2008	15.6	39.4	81.8	59.7	<b>68.8</b>	2.4	4.7	5.9	4.9	<b>5.8</b>	129.9	228.2	<b>221.2</b>
2009	7.5	32.5	57.8	38.8	<b>46.7</b>	3.5	2.5	4.2	12.5	<b>4.2</b>	50.6	244.1	<b>216.3</b>
2010	7.8	36.8	38.7	45.3	<b>39.3</b>	1.7	3.3	4.6	0.0	<b>4.4</b>	75.0	174.9	<b>163.8</b>
2011	20.0	36.1	98.0	26.6	<b>64.8</b>	6.0	2.7	4.3	0.0	<b>4.3</b>	33.4	108.3	<b>102.2</b>
2012	24.3	36.3	42.3	34.7	<b>39.0</b>	4.9	2.5	4.6	0.0	<b>4.5</b>	63.0	259.6	<b>243.7</b>
2013	19.9	38.6	87.5	37.9	<b>66.9</b>	6.2	3.2	5.3	23.0	<b>5.3</b>	120.0	253.6	<b>243.0</b>
2014	19.0	35.1	69.3	30.9	<b>50.1</b>	2.8	3.3	5.1	21.3	<b>5.1</b>	57.5	244.1	<b>202.7</b>
2015	15.2	30.7	46.0	27.4	<b>39.9</b>	5.4	3.2	5.4	6.9	<b>5.3</b>	34.8	509.7	<b>454.0</b>
2016	10.0	32.6	55.7	79.7	<b>48.0</b>	11.5	2.9	5.7	8.4	<b>5.8</b>	29.0	227.5	<b>216.8</b>
2017	0.0	62.0	50.7	17.9	<b>48.3</b>	0.0	0.0	4.1	11.1	<b>4.2</b>	0.0	385.6	<b>385.6</b>

Country: SEYCHELLES

Years: 2008 - 2017

Month	Handline Fishery CPUE ( kg/Men day)					Trap Fishery CPUE (kg/ Trap)					Net Fishery CPUE ( kg/Set)		
	Pirogue	Outboard	Whaler	Schooner	Total	Fishermen on foot	Pirogue	Outboard	Whaler	Total	Pirogue	Outboard	Total
2008	13.8	41.5	70.5	57.4	<b>62.7</b>	2.1	4.3	5.8	3.9	<b>5.7</b>	118.6	208.5	<b>200.3</b>
2009	29.2	38.5	63.7	51.7	<b>53.4</b>	3.5	3.4	4.3	10.6	<b>4.3</b>	86.4	195.2	<b>187.6</b>
2010	7.8	38.9	43.1	50.7	<b>43.6</b>	1.7	3.3	4.9	0.0	<b>4.7</b>	69.1	203.3	<b>191.3</b>
2011	15.7	36.9	77.9	35.7	<b>56.7</b>	2.2	3.0	4.9	0.0	<b>4.8</b>	47.6	154.7	<b>148.6</b>
2012	22.3	35.9	52.8	35.5	<b>43.1</b>	4.7	2.4	5.1	0.0	<b>5.0</b>	81.0	315.1	<b>297.6</b>
2013	14.7	39.5	81.6	39.9	<b>62.7</b>	3.8	2.9	5.1	11.6	<b>5.1</b>	120.6	221.2	<b>213.9</b>
2014	16.4	36.3	65.0	28.8	<b>48.8</b>	3.8	3.1	5.2	21.3	<b>5.1</b>	79.6	245.3	<b>217.7</b>
2015	17.8	34.2	44.0	33.4	<b>39.7</b>	4.9	3.6	5.3	10.1	<b>5.3</b>	46.5	355.7	<b>320.1</b>
2016	16.1	37.2	53.8	40.0	<b>45.7</b>	11.5	3.4	6.0	7.9	<b>6.0</b>	33.7	188.9	<b>178.8</b>
2017	0.0	63.0	49.9	19.0	<b>46.9</b>	0.0	0.0	4.2	18.2	<b>4.3</b>	0.0	313.4	<b>313.4</b>

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

(Database Closed on 21/08/2019)

**Country: SEYCHELLES**

**Year: 2017**

Month	Outboard	Whaler	Schooner	Total	Fishermen on foot	Trap Fishery			Net Fishery	
						Outboard	Whaler	Total	Outboard	Total
Effort ( Mendays)					CPUE (kg/ Trap)				Effort ( Sets)	
Jan	40.5	44.4	41.3	<b>42.7</b>	0.0	4.2	3.9	<b>4.2</b>	155.1	<b>155.1</b>
Feb	49.7	43.1	17.5	<b>34.2</b>	0.0	4.5	0.0	<b>4.5</b>	150.8	<b>150.8</b>
Mar	70.4	61.9	19.6	<b>48.2</b>	0.0	4.3	12.2	<b>4.4</b>	543.5	<b>543.5</b>
Apr	75.2	35.5	15.9	<b>38.1</b>	0.0	3.8	56.1	<b>4.3</b>	159.6	<b>159.6</b>
May	71.4	55.2	25.7	<b>57.0</b>	0.0	3.9	56.5	<b>4.8</b>	193.7	<b>193.7</b>
Jun	67.7	48.4	18.4	<b>49.7</b>	0.0	5.1	0.0	<b>5.1</b>	112.2	<b>112.2</b>
Jul	41.4	74.6	59.4	<b>57.9</b>	0.0	4.1	6.6	<b>4.2</b>	538.2	<b>538.2</b>
Aug	38.1	41.3	55.4	<b>40.1</b>	0.0	2.5	7.3	<b>2.6</b>	540.5	<b>540.5</b>
Sep	51.1	32.5	6.4	<b>27.8</b>	0.0	3.4	9.7	<b>3.5</b>	432.0	<b>432.0</b>
Oct	101.7	66.8	14.1	<b>67.2</b>	0.0	4.5	9.5	<b>4.6</b>	346.5	<b>346.5</b>
Nov	55.6	43.3	29.0	<b>44.2</b>	0.0	5.7	23.7	<b>6.0</b>	255.0	<b>255.0</b>
Dec	59.2	47.2	19.9	<b>44.7</b>	0.0	4.3	9.1	<b>4.4</b>	295.4	<b>295.4</b>
<b>Annual</b>	<b>63.0</b>	<b>49.9</b>	<b>19.0</b>	<b>46.9</b>	<b>0.0</b>	<b>4.2</b>	<b>18.3</b>	<b>4.4</b>	<b>313.4</b>	<b>313.4</b>
Quarter 1	54.4	50.8	20.4	42.3	0.0	4.3	9.6	4.4	322.1	322.1
Quarter 2	70.9	47.3	18.9	48.6	0.0	4.2	56.3	4.7	178.9	178.9
Quarter 3	42.0	46.3	11.9	39.6	0.0	3.3	7.8	3.4	448.2	448.2
Quarter 4	77.8	54.1	20.6	54.4	0.0	4.8	17.5	5.0	303.5	303.5
<b>First Semester</b>	<b>64.3</b>	<b>49.1</b>	<b>19.7</b>	<b>45.5</b>	<b>0.0</b>	<b>4.3</b>	<b>34.4</b>	<b>4.5</b>	<b>237.2</b>	<b>237.2</b>
<b>Second Semester</b>	<b>62.0</b>	<b>50.7</b>	<b>17.9</b>	<b>48.3</b>	<b>0.0</b>	<b>4.1</b>	<b>11.1</b>	<b>4.2</b>	<b>385.6</b>	<b>385.6</b>

**Country: SEYCHELLES**

**Year: 2018**

Month	Outboard	Whaler	Schooner	Total	Fishermen on foot	Trap Fishery			Net Fishery	
						Outboard	Whaler	Total	Outboard	Total
Effort ( Mendays)					CPUE (kg/ Trap)				Effort ( Sets)	
Jan	38.8	46.7	20.5	<b>38.8</b>	0.0	4.7	9.9	<b>4.9</b>	225.0	<b>225.0</b>
Feb	50.8	41.8	70.3	<b>50.6</b>	0.0	5.6	0.0	<b>5.6</b>	1261.8	<b>1261.8</b>
Mar	63.5	42.6	46.6	<b>50.7</b>	0.0	3.7	10.9	<b>3.9</b>	200.3	<b>200.3</b>
Apr	46.8	54.9	97.2	<b>55.5</b>	0.0	4.4	0.0	<b>4.4</b>	216.3	<b>216.3</b>
May	121.4	132.8	65.2	<b>123.2</b>	0.0	4.1	1.2	<b>4.1</b>	259.1	<b>259.1</b>
Jun	70.0	63.5	20.6	<b>56.1</b>	0.0	3.4	2.2	<b>3.3</b>	179.3	<b>179.3</b>
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
<b>Annual</b>	<b>65.5</b>	<b>59.6</b>	<b>45.3</b>	<b>59.8</b>	<b>0.0</b>	<b>4.3</b>	<b>7.0</b>	<b>4.3</b>	<b>282.1</b>	<b>282.1</b>
Quarter 1	50.1	43.6	46.6	46.8	0.0	4.7	10.3	4.8	322.1	322.1
Quarter 2	81.1	76.4	43.4	74.1	0.0	3.9	1.6	3.9	178.9	178.9
Quarter 3										
Quarter 4										
<b>First Semester</b>	<b>65.5</b>	<b>59.6</b>	<b>45.3</b>	<b>59.8</b>	<b>0.0</b>	<b>4.3</b>	<b>7.0</b>	<b>4.3</b>	<b>237.2</b>	<b>237.2</b>
<b>Second Semester</b>										

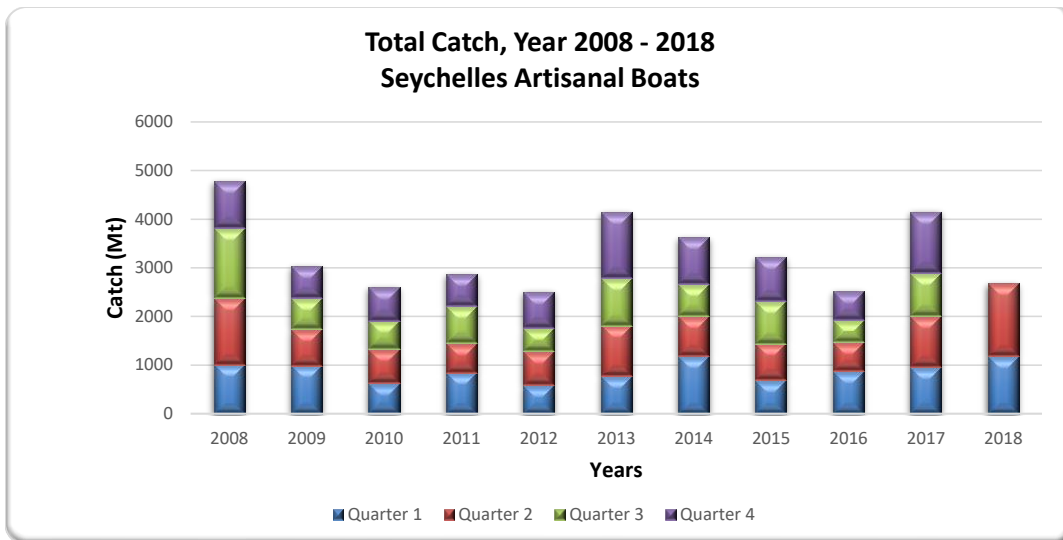


Figure 4A: Artisanal fishery Total Catch, Years 2008 - 2018

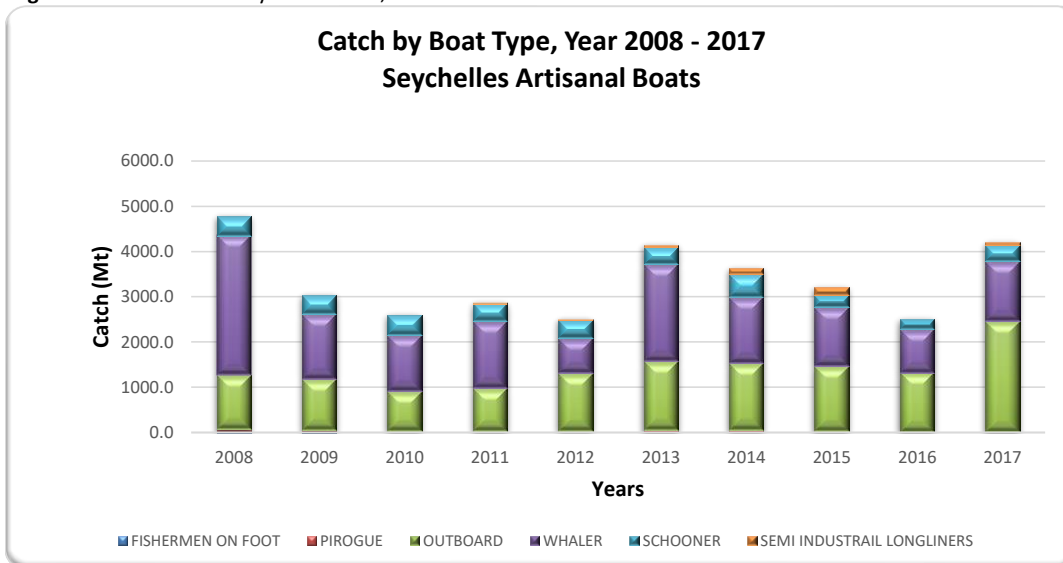


Figure 4B: Artisanal fishery Catch by Vessel Type, Years 2008 - 2017

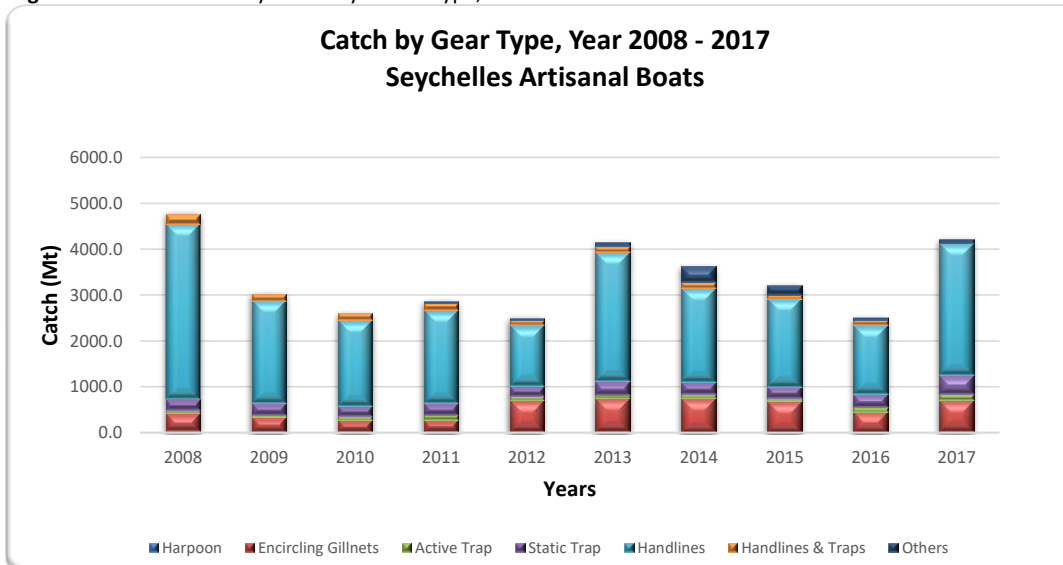


Figure 4C: Artisanal fishery Catch by Gear Type, Years 2008 - 2017

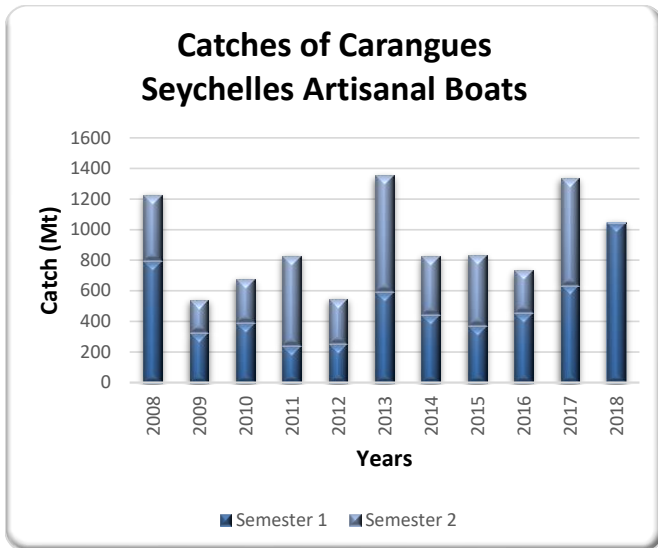


Figure 4D: Catches of Carangues, Years 2008-2018

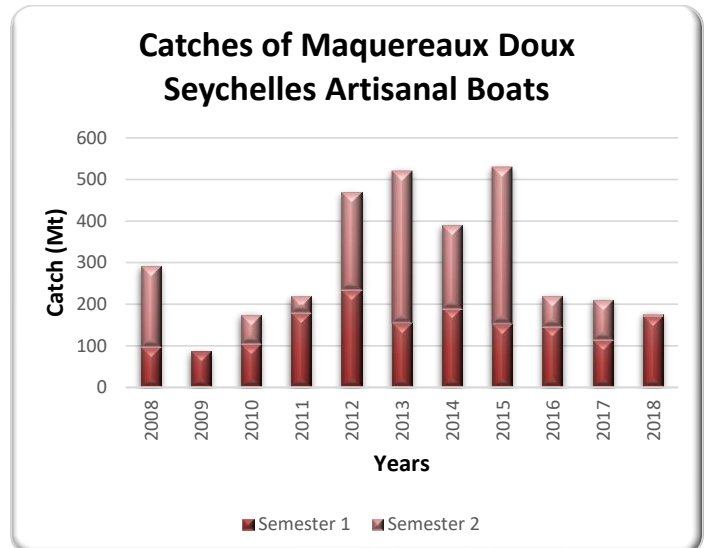


Figure 4E: Catches of Maquereau doux, Years 2008-2018

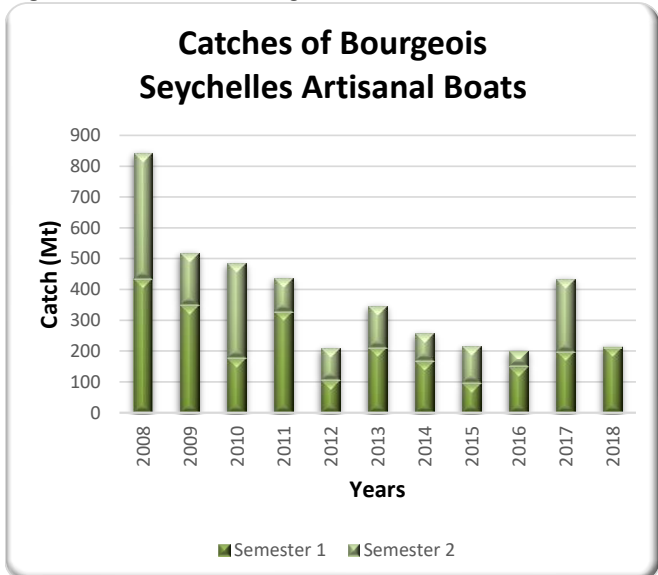


Figure 4F: Catches of bourgeois, Years 2008-2018

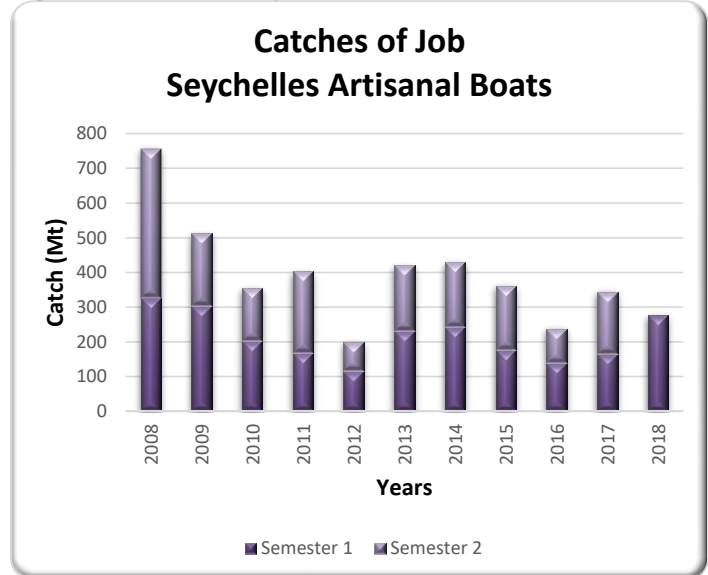


Figure 4G: Catches of job, Years 2008-2018

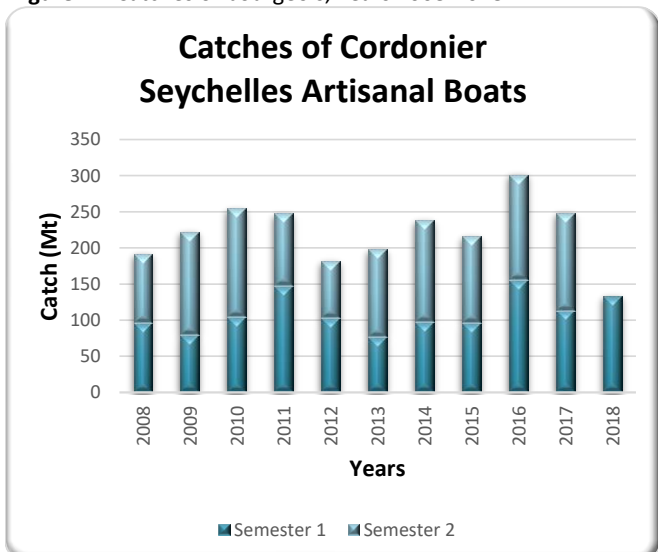


Figure 4H: Catches of cordonier, Years 2008-2018

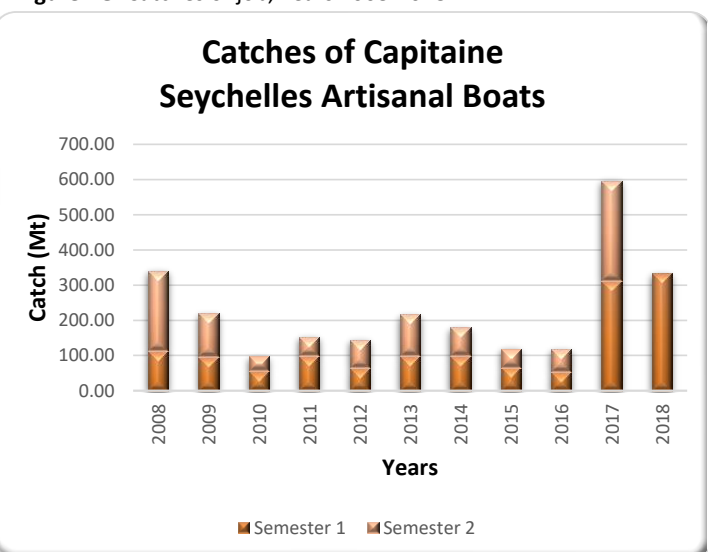
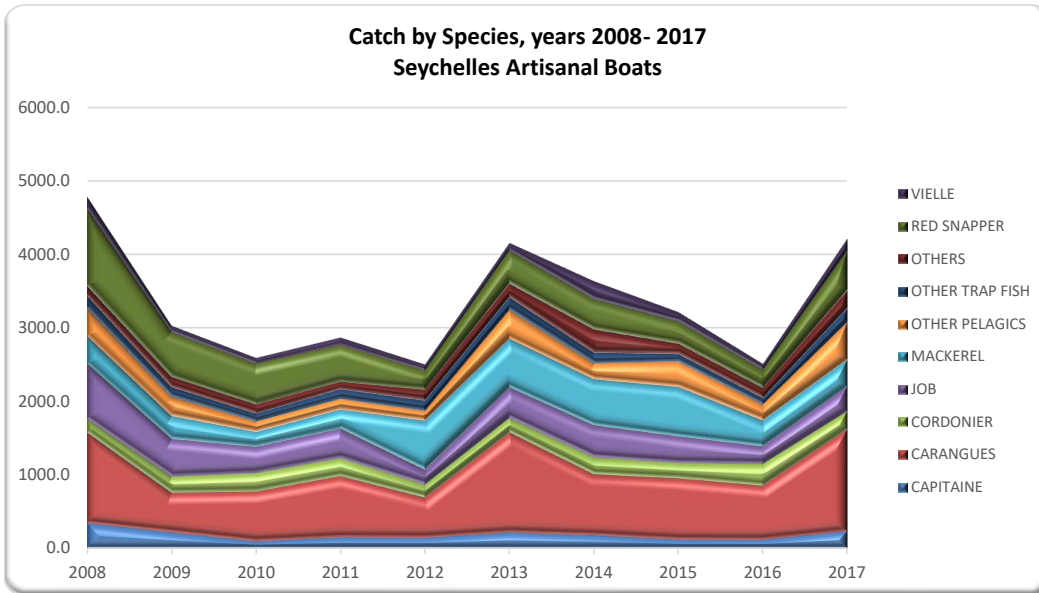
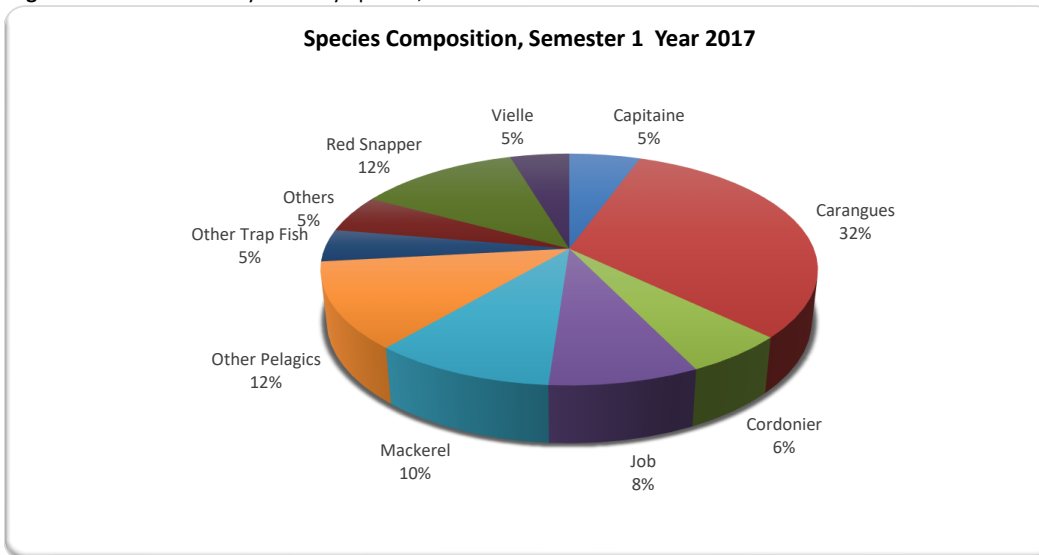


Figure 4I: Catches of capitaine, Years 2008-2018

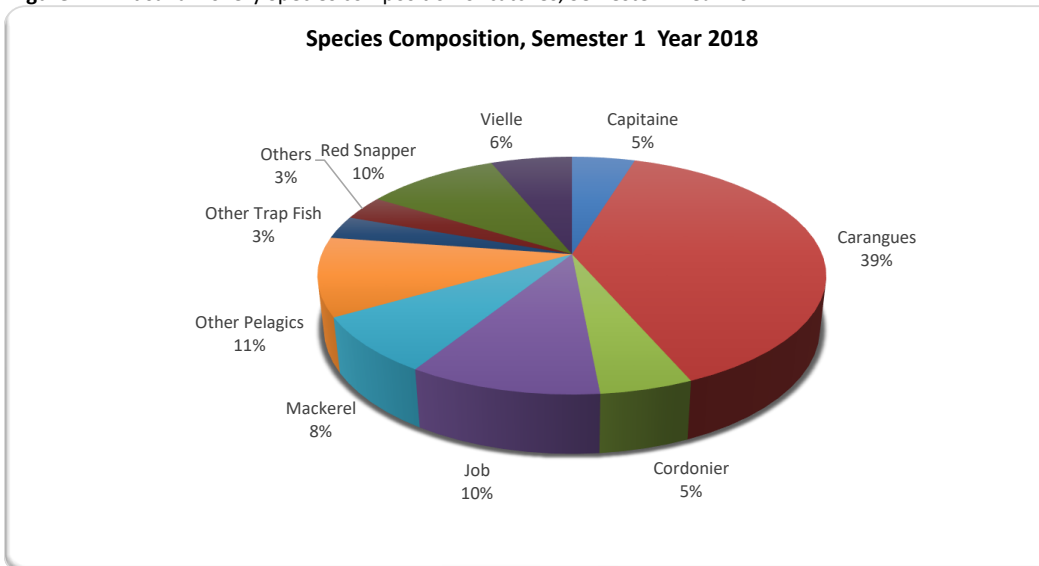




**Figure 4J:** Artisanal fishery Catch by Species, Years 2008 - 2017



**Figure 4K:** Artisanal fishery Species composition of catches, Semester 1 Year 2017



**Figure 4L:** Artisanal fishery Species composition of catches, Semester 1 Year 2018

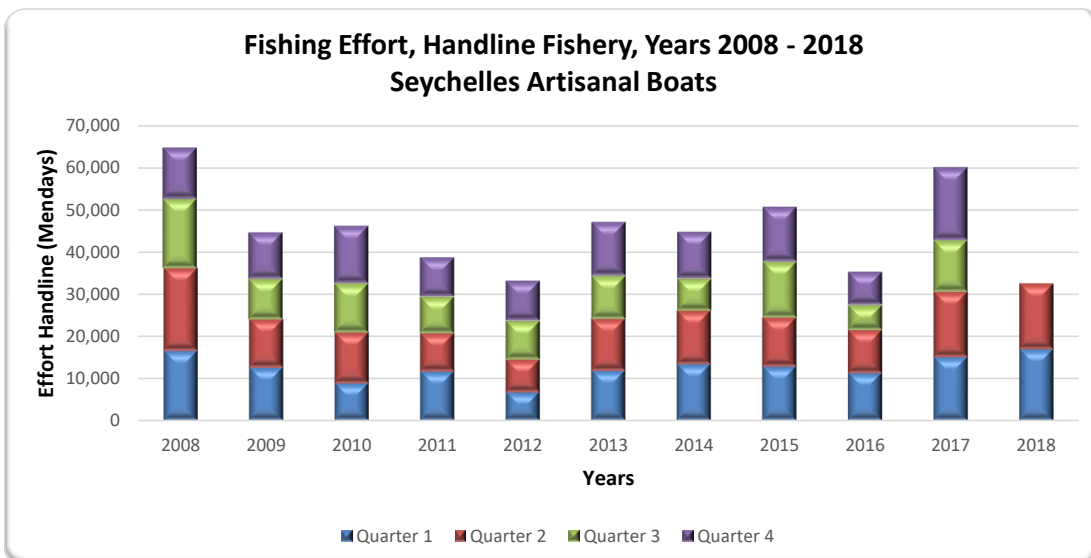


Figure 4M: Artisanal handline fishery, fishing effort, Years 2008 - 2018

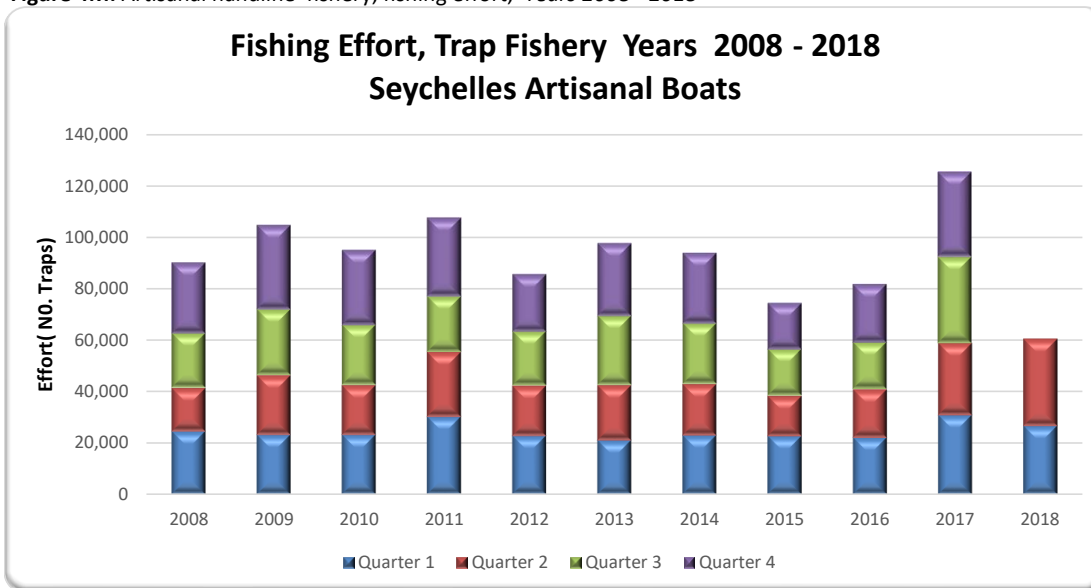


Figure 4N: Artisanal trap fishery, fishing effort, Years 2008 - 2018

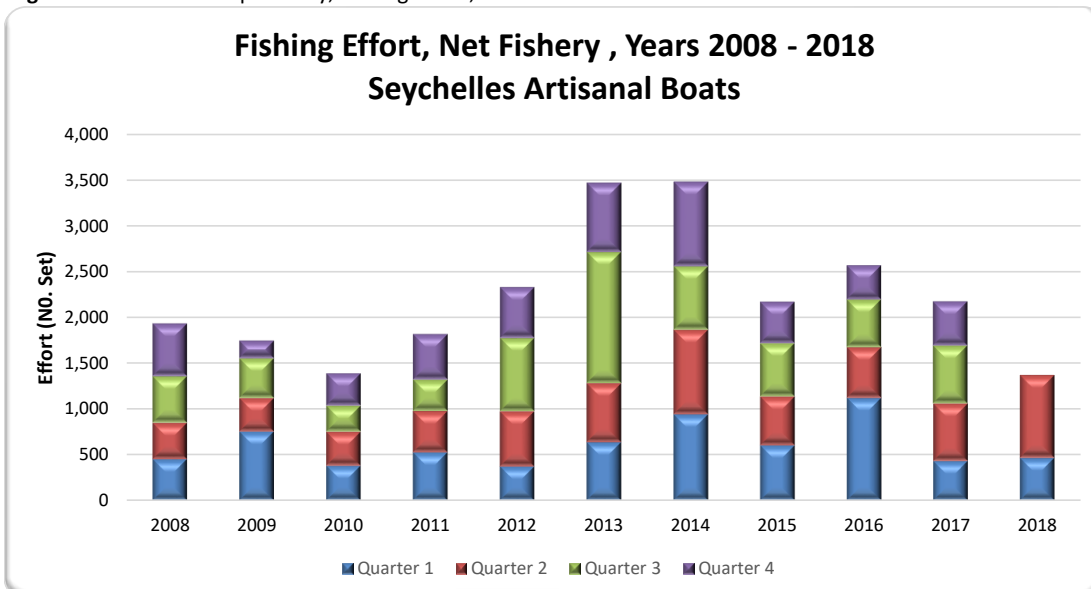


Figure 4O: Artisanal net fishery, fishing effort, Years 2008 - 2018

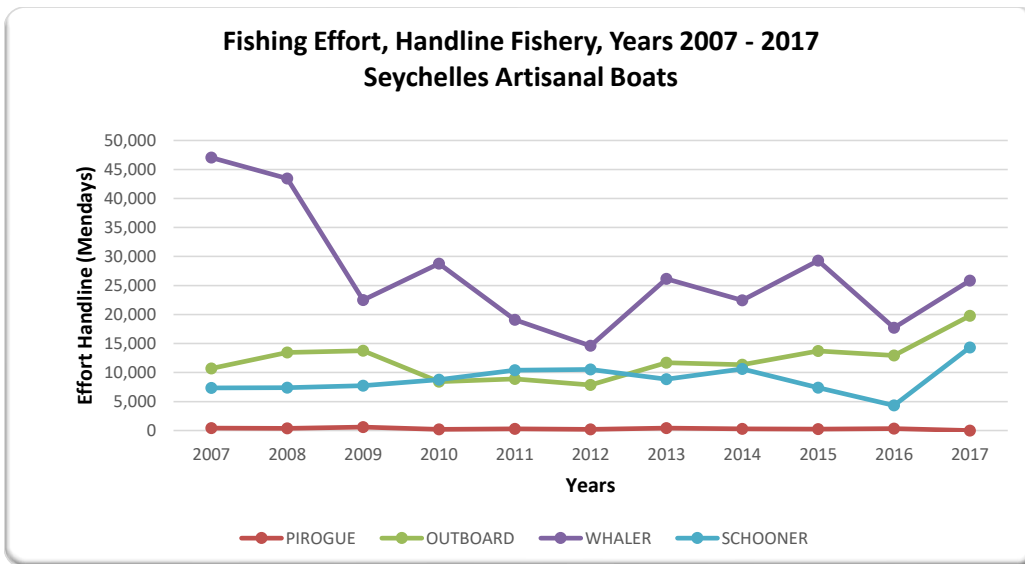


Figure 4P: Artisanal handline fishery, fishing effort by vessel Type, Years 2008 - 2017

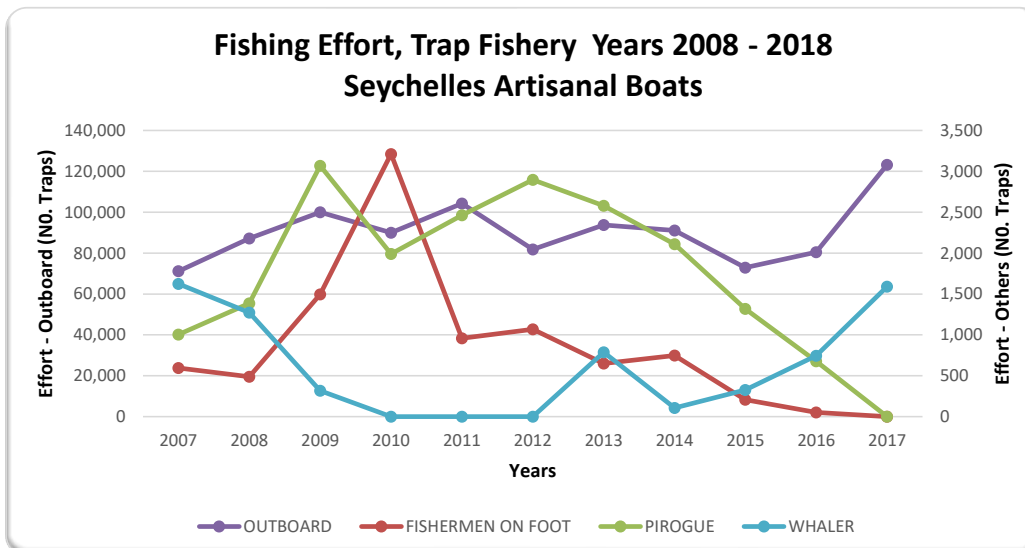


Figure 4Q: Artisanal trap fishery, fishing effort by vessel type, Years 2008 - 2017

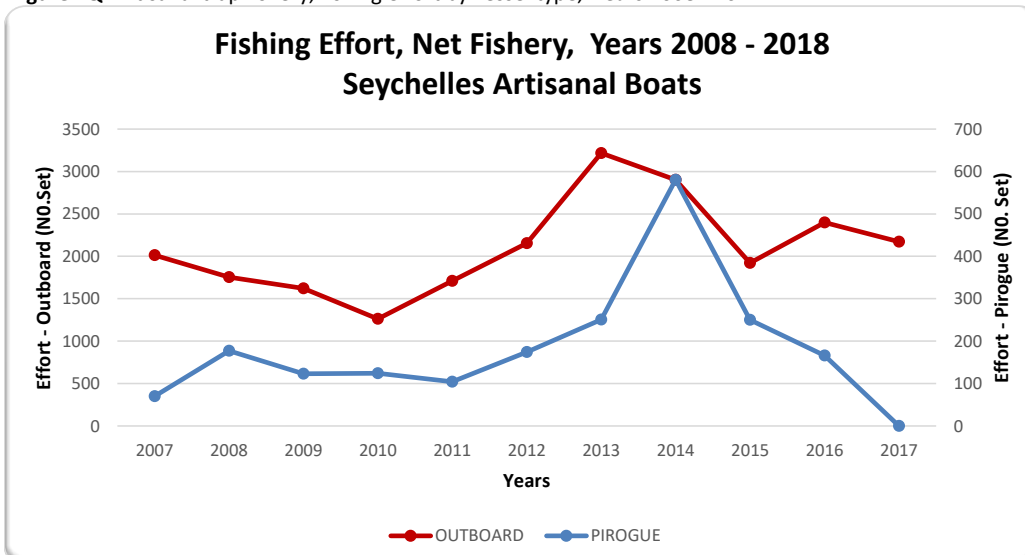


Figure 4R: Artisanal net fishery, fishing effort by vessel Type, Years 2008 - 2017

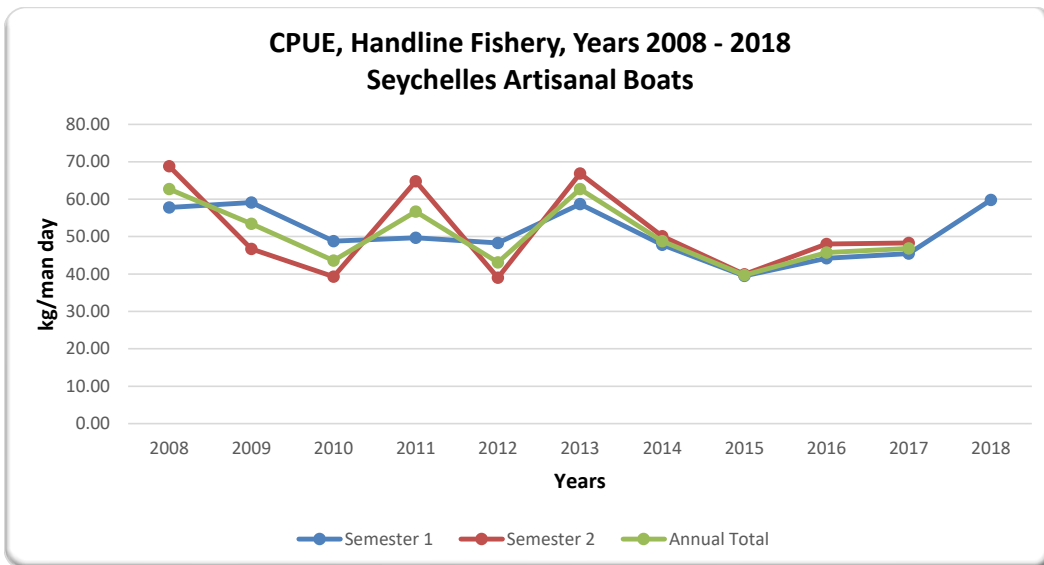


Figure 4S: Artisanal handline fishery CPUE, Years 2008- 2018

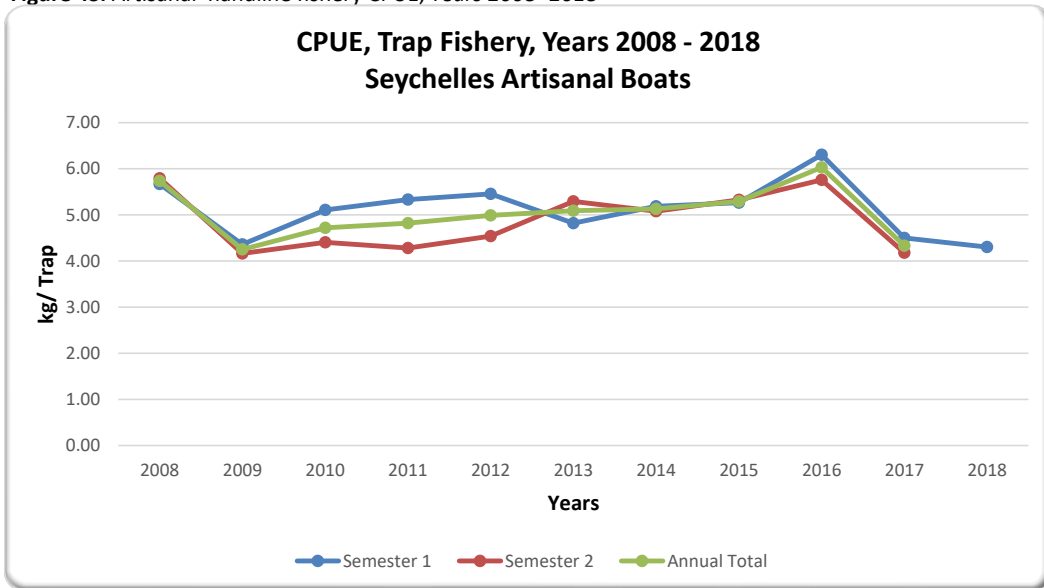


Figure 4T: Artisanal trap fishery CPUE, Years 2008 - 2018

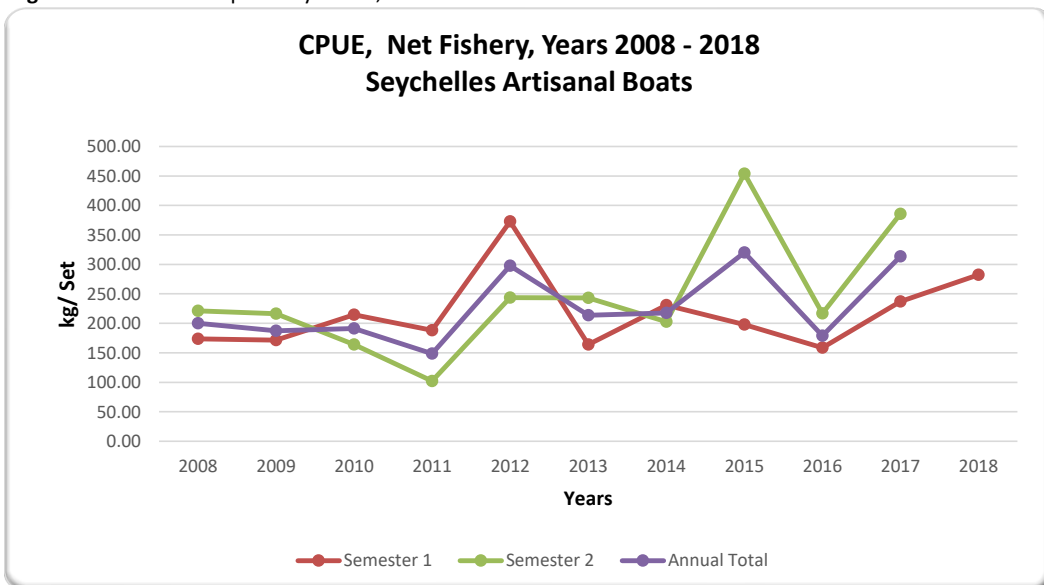


Figure 4U: Artisanal net fishery CPUE, Years 2008 - 2018

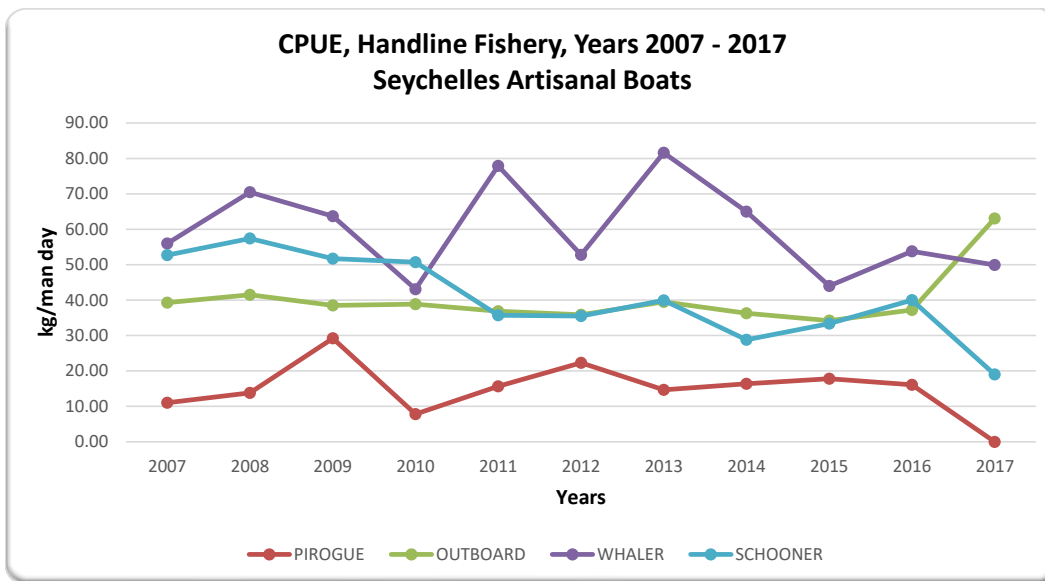


Figure 4V: Artisanal handline fishery CPUE by vessel Type, Years 2008 - 2017

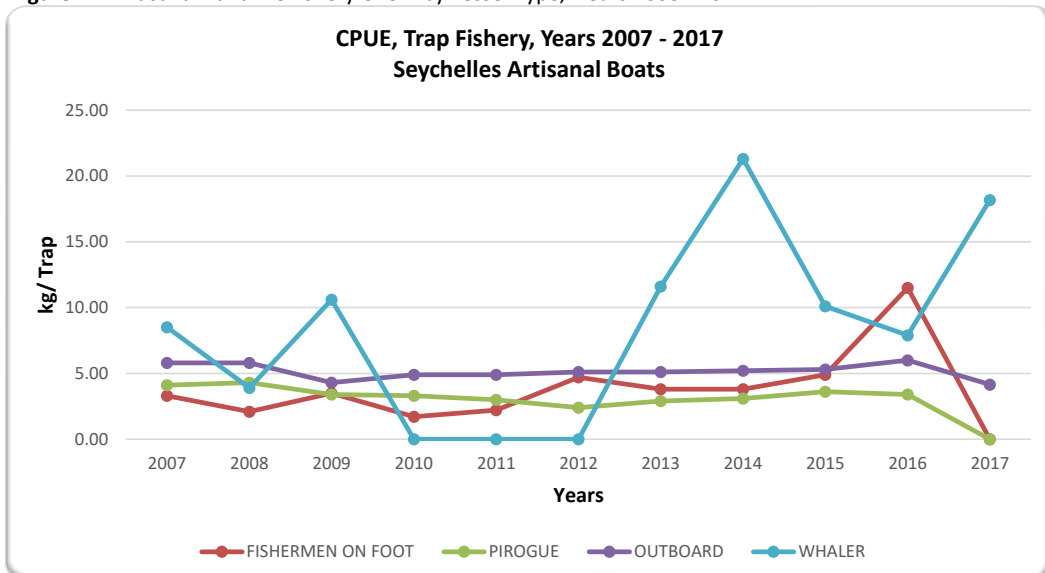


Figure 4W: Artisanal trap fishery CPUE by vessel type, Years 2008 - 2017

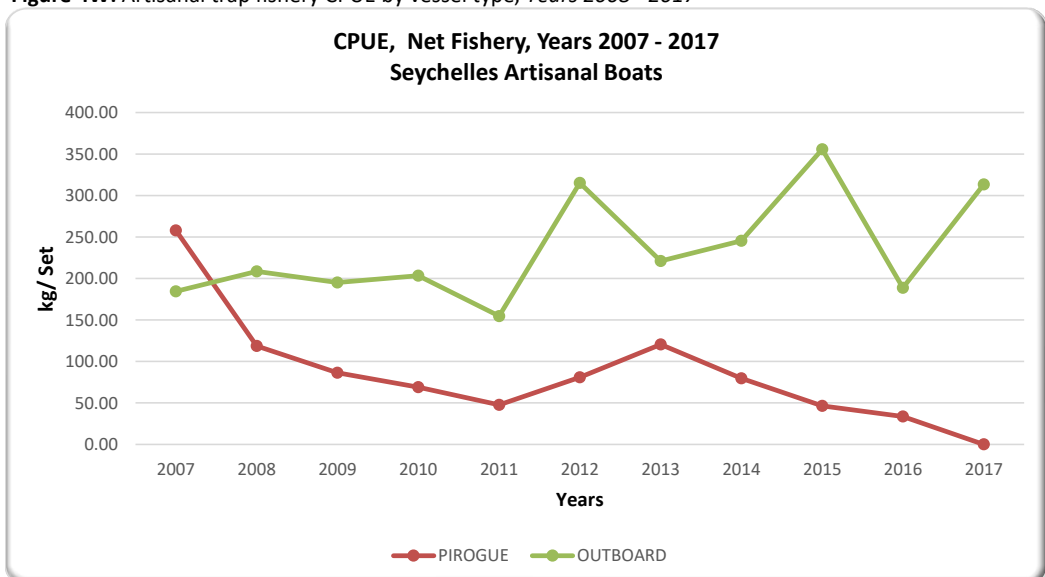


Figure 4X: Artisanal net fishery CPUE by vessel Type, Years 2008 - 2017



## **SEYCHELLES FISHING AUTHORITY**

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