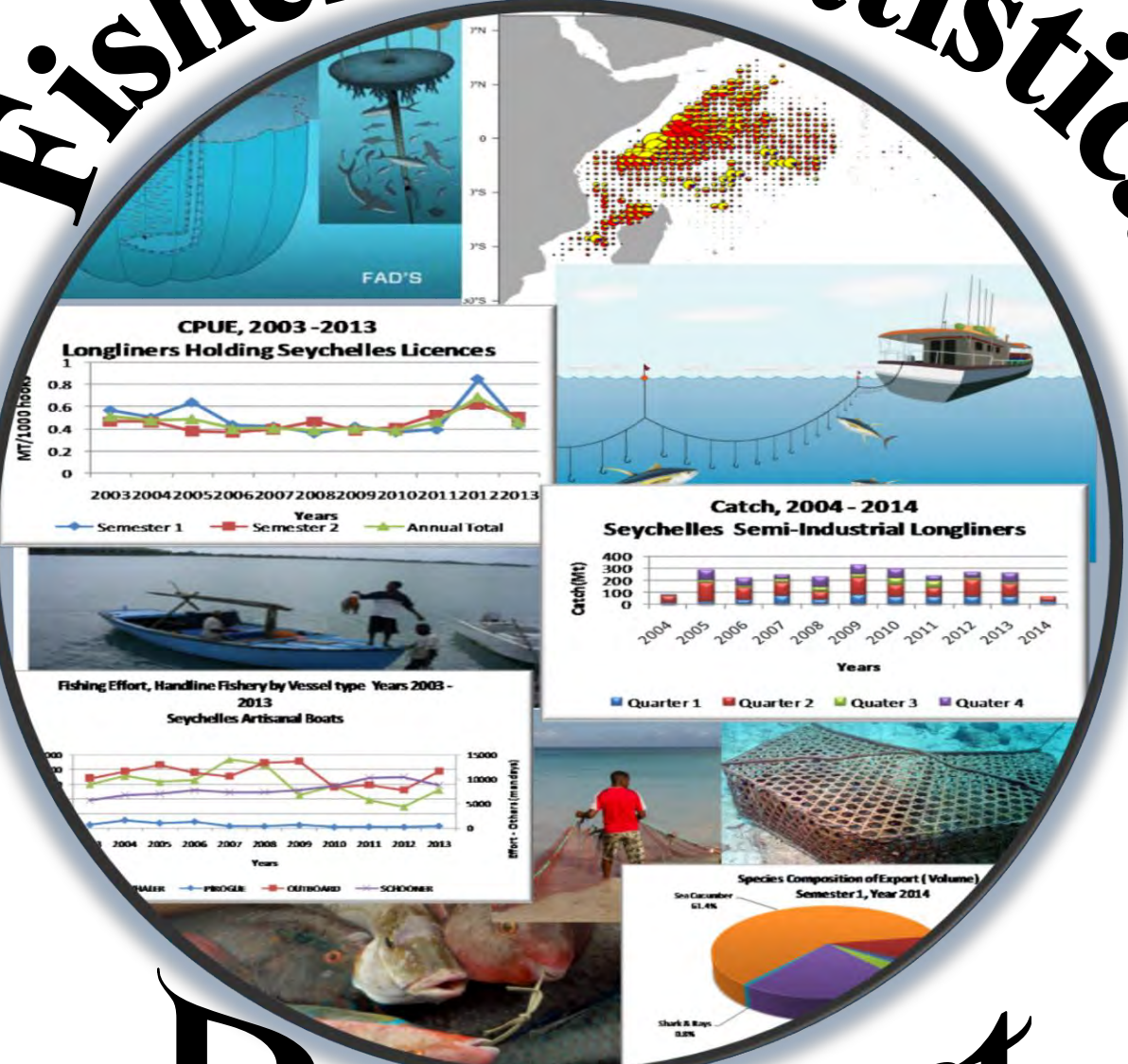




SEYCHELLES FISHING AUTHORITY

Fisheries Statistics



Report

Year 2020

Fisheries Statistical Report

Year: 2020



SEYCHELLES FISHING AUTHORITY

P.O. Box 449, Espace Building, Mahé, Seychelles,

Tel: 4 670300, Fax: 4 224508,

Email: management@sfa.sc, Website: www.sfa.sc

Ownership of intellectual property rights

Unless otherwise noted, copyright (and any other intellectual property rights, if any) in this publication is owned by the Seychelles Fishing Authority (referred to as SFA).

Cataloguing data

This publication (and any material sourced from it) should be attributed as: SFA, SFA/FSR/09, Fisheries Statistical Report, Semester 1, Year 2020, Seychelles Fishing Authority, Victoria, Seychelles.

This publication is available at: <https://www.sfa.sc/index.php/doc/publications/category/6-sfa-fisheries-bulletin>

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

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

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

Contact

*Statistics Department
Seychelles Fishing Authority
Postal address: P.O. Box 449,
Victoria, Mahe,
Seychelles
Tel: +248 4670300
Email: management@sfa.sc*

Acknowledgements

SFA thanks the fishing industry and all staff of SFA who has contributed to the data collection for this publication. Special thanks to the statistics team for data collection, management, and production of this publication.

Introduction

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

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

Information on recreational, sea cucumber, lobster and sport fishery is not included in this current edition but will be included progressively in future editions. As a result, the publication gives only a partial estimate of the total volume of local fishery production.

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

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

CONTENTS

1. Summary of the Purse Seine Fishery	2
1.1. VESSELS LICENSED AND ACTIVE	2
1.2. FISHING EFFORT, CATCHES AND CATCH RATE IN WIO	2
1.3. SPECIES COMPOSITION IN WIO	5
1.4. CATCH BY SCHOOL TYPE.....	6
1.5. ACTIVITY INSIDE THE SEYCHELLES EEZ	7
1.6. PURSE SEINE STATISTICS OF SEYCHELLES FLAGGED VESSELS	9
1.7. PURSE SEINE STATISTICS BY ACCESS REGIME	10
1.8. LANDING AND TRANSHIPMENT	10
1.9. FISHING GROUND	12

TABLES: PURSE SEINE FISHERY

TABLE 1.2. Purse Seiners Holding Licenses by Country of Registration by Year	13
TABLE 1.2A. Purse Seiners Holding Licenses by Country of Registration.....	14
TABLE 1.2B. Purse Seiners Active by Country of Registration by Year.....	15
TABLE 1.2C. Purse Seiners Active by Country of Registration by Month	16
TABLE 1.3 Time Series of Catch, Effort and Catch Rate for Purse Seiners in the WIO	17
TABLE 1.3A Monthly Catch, Effort and Catch Rate for All Purse Seiners in the WIO.....	19
TABLE 1.3B Monthly Catch, Effort and Catch Rate for SYC Purse Seiners in the WIO	20
TABLE 1.3C Monthly Catch, Effort and Catch Rate for Spanish Purse Seiners in the WIO	21
TABLE 1.3D Monthly Catch, Effort and Catch Rate for French Purse Seiners in the WIO.....	22
TABLE 1.3E Monthly Catch, Effort and Catch Rate for Purse Seiners NEI in the WIO.....	23
TABLE 1.4 Time Series Catch, Effort and Catch Rate for Purse Seiners in the SYC EEZ.....	24
TABLE 1.4A Monthly Catch, Effort and Catch Rate for Purse Seiners in the SYC EEZ	26
TABLE 1.4B Monthly Catch, Effort and Catch Rate for SYC Purse Seiners in the SYC EEZ.....	27
TABLE 1.4C Monthly Catch, Effort and Catch Rate for Spanish Purse Seiners in the SYC EEZ	28
TABLE 1.4D Monthly Catch, Effort and Catch Rate for French Purse Seiners in the SYC EEZ	29
TABLE 1.4E Monthly Catch, Effort and Catch Rate for Purse Seiners NEI in the SYC EEZ	30
TABLE 1.4F Quarterly Catch, Effort and Catch Rate for SYC Purse Seiners by Areas	31
TABLE 1.4G Quarterly Proportion of Catch and Purse Seiners by Areas and Flag	32
TABLE 1.5A Time Series Catch by School Type and Species for Purse Seiners in WIO.....	33
TABLE 1.5B Time Series Catch by School Type and Species for Purse Seiners in SYC EEZ	34
TABLE 1.5C Time Series Catch by School Type and Agreement for Purse seiners in WIO	35
TABLE 1.5D Time Series Catch by School Type and Agreement for Purse seiners in SYC EEZ	36
TABLE 1.6 Quarterly Catch, Effort and Catch Rate for Purse Seiners by Access Regime in SYC EEZ...	37
TABLE 1.7. Time Series of Landing and Transhipment of Purse Seiners by Port.....	38
TABLE 1.7A Monthly Landing and Transhipment of Purse Seiners in Port Victoria.....	39
TABLE 1.7B Monthly Landing and Transhipment of Purse Seiners in Port Madagascar.....	40
TABLE 1.7C Monthly Landing and Transhipment of Purse Seiners in Port Louis	41
TABLE 1.7D Monthly Landing and Transhipment of Purse Seiners in Port Others	42
TABLE 1.8 Monthly Landing and Transhipment by Purse Seiners by Flag in Port Victoria	43
TABLE 1.9 Quarterly Landing and Transhipment by Purse Seiners by Species Category in Port Victoria	44
TABLE 1.10 Quarterly Landing and Transhipment OF Purse Seiners by Access Regime in Port Victoria	46

FIGURES: PURSE SEINE FISHERY

Figure 1A: Purse Seine catches in the WIO by Year	48
Figure 1B: Purse Seine fishing effort in the WIO by Year	48
Figure 1C: Purse Seine CPUE in the WIO by Year	48
Figure 1D: Purse Seine catches in the Seychelles EEZ by Year	49
Figure 1E: Purse Seine fishing effort in the Seychelles EEZ by Year	49
Figure 1F: Purse Seine CPUE in the Seychelles EEZ by Year	49
Figure 1G: Purse Seine catches by School Type in WIO by Year	50
Figure 1H: Purse Seine Species composition on FAD's in WIO by Year.....	50
Figure 1I: Purse Seine Species composition on Free School in WIO by Year	50
Figure 1J: Purse Seine catches by species in WIO by Year	51
Figure 1K: Purse Seine landing and transshipment in port Victoria by Year	51
Figure 1L: Proportion of Purse Seine landing and transshipment in port Victoria by Year	51

MAPS: PURSE SEINE FISHERY

Map 1A. Purse seiners fishing ground for Year 2019	52
Map 1B. Purse seiners fishing ground for Year 2020	52
Map 1C. Purse seiners fishing ground for 1st Semester 2020	53
Map 1D. Purse seiners fishing ground for 1st Semester 2021	53
Map 1E Purse seiners fishing ground for 2nd Semester 2020	54

2. Summary of the Industrial Longline Fishery.....	56
2.1. LOGBOOK RETURNED	56
2.2. VESSELS LICENSED AND ACTIVE	56
2.3. FISHING EFFORT, CATCHES AND CATCH RATE IN WIO	56
2.4. SPECIES COMPOSITION	58
2.5. INDUSTRIAL LONGLINERS ACTIVITY INSIDE SEYCHELLES EEZ	58
2.6. STATISTICS OF SEYCHELLES FLAGGED VESSELS	59
2.7. INDUSTRIAL LONGLINERS ACTIVITY INSIDE SEYCHELLES EEZ BY ACCESS REGIME	59
2.8. FISHING GROUND	60

TABLES: INDUSTRIAL LONGLINE FISHERY

TABLE 2.1. Industrial Longliners Holding Licenses by Country of Registration by Year	61
TABLE 2.1A Industrial Longliners Holding Licenses by Country of Registration by Month	62
TABLE 2.1B Industrial Longliners Active by Country of Registration by Year.....	63
TABLE 2.1C Industrial Longliners Active by Country of Registration by Month	64
TABLE 2.2. Logbook Returned (%) to SFA by Industrial Longliners Holding Licenses	65
TABLE 2.2A Time Series Catch, Effort and Catch Rate for Industrial Longliners in the WIO	66
TABLE 2.2B Monthly Catch, Effort and Catch Rate for Industrial Longliners in the WIO	68
TABLE 2.2C Monthly Catch, Effort and Catch Rate for Industrial Longliners in the WIO	69
TABLE 2.2D Monthly Catch, Effort and Catch Rate for Industrial Longliners in the WIO.....	70
TABLE 2.2E Monthly Catch, Effort and Catch Rate for Industrial Longliners in the WIO	71
TABLE 2.2F Time Series of Discarded Catches(Numbers) for Industrial Longliners in the WIO.....	72
TABLE 2.3 Time Series Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ.....	73
TABLE 2.3A Monthly Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ	74
TABLE 2.3B Monthly Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ	75
TABLE 2.3C Monthly Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ.....	76

TABLE 2.3D Monthly Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ	78
TABLE 2.4 Time Series of Catch, Effort and Catch Rate for Seychelles Flagged Longliners	79
TABLE 2.4A Quarterly Catch, Effort and Catch Rate of Seychelles Flagged Longliners by Areas	80
TABLE 2.4B Quarterly Proportion of Catch and Effort for Longliners by Areas and Flag	81
TABLE 2.4C Time Series of Catch, Effort and Catch Rate for Seychelles Flagged Longliners in WIO by Semester.....	82
TABLE 2.5A Quarterly Catch, Effort and Catch Rate of Longliners by Access Regime in the SYC EEZ. 83	

FIGURES: INDUSTRIAL LONGLINE FISHERY

Figure 2A: Industrial Longliners Total catch in the WIO by Year	84
Figure 2B: Industrial longliners fishing effort in the WIO by Year.....	84
Figure 2C: Industrial Longliners CPUE in the WIO by Year	84
Figure 2D: Industrial longliners Total catch in the Seychelles EEZ by Year	85
Figure 2E: Industrial Longliners fishing effort in the Seychelles EEZ by Year	85
Figure 2F: Industrial Longliners CPUE in the Seychelles EEZ by Year	85
Figure 2G: Seychelles Flagged Longliners Catch, years	86
Figure 2H: Seychelles Flagged Longliners Effort, years	86
Figure 2I: Seychelles Flagged Longliners CPUE years	86

MAPS: INDUSTRIAL LONGLINE FISHERY

Map 4A. Industrial longliners fishing ground for Year 2019	87
Map 4B. Industrial longliners fishing ground for Year 2020	87
Map 5A. Industrial longliners fishing ground for 1st Semester 2019	88
Map 5B. Industrial longliners fishing ground for 1st Semester 2020.....	88
Map 6A. Industrial longliners fishing ground for 2nd Semester 2019	89
Map 6B. Industrial longliners fishing ground for 2nd Semester 2020	89

3. Summary of the Semi-Industrial Longline Fishery	91
3.1. VESSELS ACTIVE AND TRIP INFORMATION.....	91
3.2. FISHING EFFORT, CATCHES AND CATCH RATE.....	91
3.3. SPECIES COMPOSITION	92

TABLES: SEMI-INDUSTRIAL LONGLINE FISHERY

TABLE 3.0 Time Series of Catch, Effort and Catch Rate of Semi-Industrial Longliners	94
TABLE 3.1 Monthly Catch, Effort and Catch Rate of Semi-Industrial Longliners	96

FIGURES: SEMI-INDUSTRIAL LONGLINE FISHERY

Figure 3A: Semi-Industrial Longliners Total catch by Year	97
Figure 3B: Semi-Industrial longliners fishing effort by Year	97
Figure 3C: Semi-Industrial Longliners CPUE by Year	97
Figure 3D: Semi-Industrial Longliners catch by species, by Year	98
Figure 3E: Semi-Industrial species composition, year 2020.....	98
Figure 3F: Semi-Industrial species composition, year 2019.....	98

4. Summary of the Artisanal Fishery	100
4.1. VESSEL ACTIVE	100
4.2. CATCH STATISTICS BY VESSEL TYPE.....	100
4.3. CATCH STATISTICS BY GEAR TYPE	101

4.4. CATCH STATISTICS BY SPECIES	101
4.5. FISHING EFFORT BY VESSEL TYPE AND GEAR TYPE	101
4.6. CATCH RATE BY VESSEL TYPE AND GEAR TYPE	102

TABLES: ARTISANAL FISHERY

TABLE 4.1A Total Number of Boat Active in the Fishery per Year	103
TABLE 4.1B Mean Number of boats operating by Month	104
TABLE 4.2 Time series of Catches for Artisanal Fishery by Vessel Type	105
TABLE 4.2A Monthly Catches for Artisanal Fishery by Vessel Type	107
TABLE 4.3 Catches for Artisanal Fishery by Gear Type by Year.....	108
TABLE 4.3A Monthly Catches for Artisanal Fishery by Gear Type	110
TABLE 4.4 Time Series of Catches for Artisanal Fishery by Species	111
TABLE 4.4A Monthly Catches for Artisanal Fishery by Species	113
TABLE 4.5 Time Series of Effort for Artisanal Fishery by Vessel and Gear Type	114
TABLE 4.5A Monthly Effort for Artisanal Fishery by Vessel and Gear Type	116
TABLE 4.6 Time Series CPUE for Artisanal Fishery by Vessel and Gear Type	117
TABLE 4.6A Monthly CPUE for Artisanal Fishery by Vessel and Gear Type.....	119

FIGURES: ARTISANAL FISHERY

Figure 4A: Artisanal fishery Total Catch, by Year	120
Figure 4B: Artisanal fishery Catch by Vessel Type,	120
Figure 4C: Artisanal fishery Catch by Gear Type, by Year	120
Figure 4D: Artisanal fishery Catch of carangues, by Year	121
Figure 4E: Artisanal fishery Catch of maquereau doux, by Year	121
Figure 4F: Artisanal fishery Catch of bourgeois, by Year	121
Figure 4G: Artisanal fishery Catch of job, by Year	121
Figure 4H: Artisanal fishery Catch of cordonier, by Year	121
Figure 4I: Artisanal fishery Catch of capitaine, by Year	121
Figure 4J: Artisanal fishery Catch by Species, by Year	122
Figure 4K: Artisanal fishery Species composition of catches, Year 2019	122
Figure 4L: Artisanal fishery Species composition of catches, Year 2020.....	122
Figure 4M: Artisanal handline fishery, fishing effort, by Year	123
Figure 4N: Artisanal trap fishery, fishing effort, by Year	123
Figure 4O: Artisanal net fishery, fishing effort, by Year	123
Figure 4P: Artisanal handline fishery, fishing effort by vessel Type, by Year	124
Figure 4Q: Artisanal net fishery, fishing effort by vessel type, by Year	124
Figure 4R: Artisanal net fishery, fishing effort by vessel Type by Year	124
Figure 4S: Artisanal handline fishery CPUE, by Year	125
Figure 4T: Artisanal trap fishery CPUE, by Year	125
Figure 4U: Artisanal net fishery CPUE, by Year	125
Figure 4V: Artisanal handline fishery CPUE by vessel Type, by Year	126
Figure 4W: Artisanal trap fishery CPUE by vessel type, by Year	126
Figure 4X: Artisanal net fishery CPUE by vessel Type, by Year	126

Purse Seine Fishery:

Tuna purse seiners started exploratory fishing operation in Seychelles EEZ in the Indian Ocean since the early 1980s. Purse seining activities in the Seychelles EEZ began in 1984 when French and Spanish fleets moved from the tropical Atlantic to the Western Indian Ocean. The main fishing nation involve in purse seining in the WIO were those operating under the European Economic Community Agreement (French and Spanish). Seychelles registered purse seiners started fishing in 1991 and are currently of French and Spanish ownership.

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

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

Data Collection

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

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

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

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

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

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

Data Processing

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

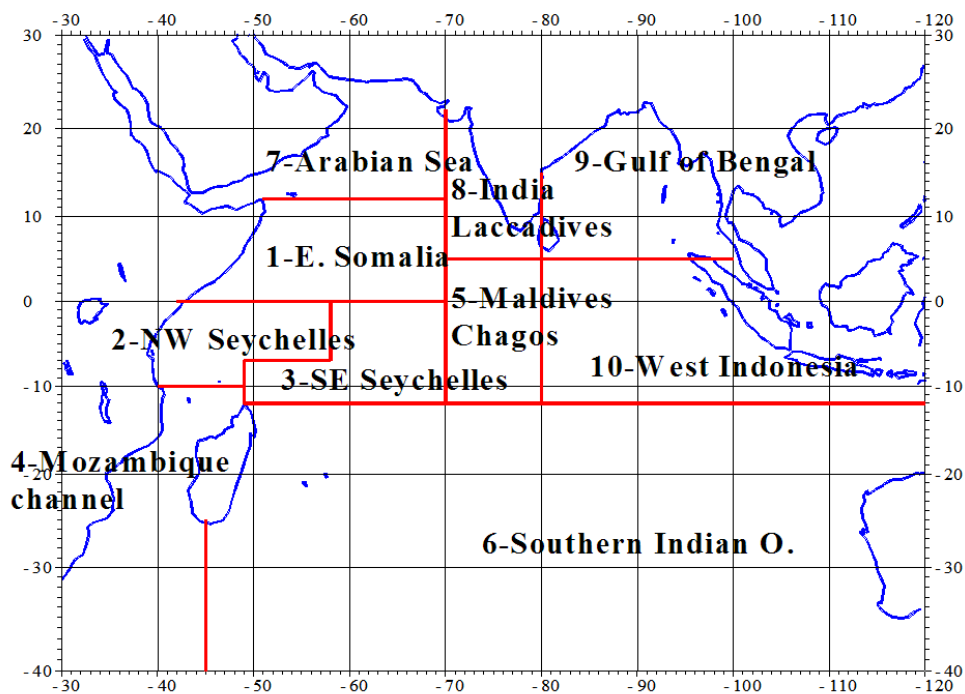
Following the verification and validation procedures the data is then processed where the sampling data is used to correct the species composition declared on the Logbooks. Next a raising factor is computed by dividing the total landed/transhipped catches by the catches declared on the logbook per trip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

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

another in the same month, hence counted under both countries for that month or year.

- Where a trip is spread over two different years, e.g., December 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 transshipment/landing will be attributed to the year 2018 when that transshipment/landing occurs. Hence the difference between the total catch for the year and the total catch transhipped/ landed.

- Maps showing the Zones of Indian Ocean for Purse seine fishery



Industrial Longliners Fishery:

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

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

Data Collection

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

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

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

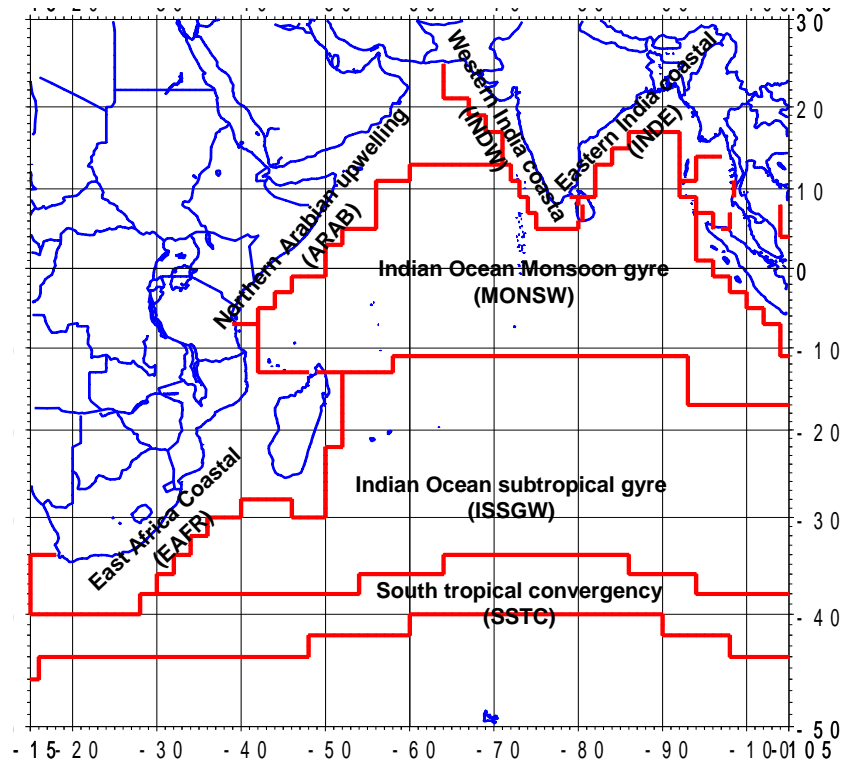
- For Tuna species the Dorsal Fork Length (DFL) are taken
- For swordfish, the Lower maxillary Fork length (LMFL) is recorded
- For Sharks, the total length is recorded

Data Processing

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

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

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



Longhurst areas

Semi Industrial Longline Fisheries

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

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

Data Collection

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

Data Processing

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

Artisanal Fishery:

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

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

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

Data Collection

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

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

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

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

Fisheries technicians complete 5 types of forms;

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

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

Data Processing

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

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

Definitions of terms used

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

Purse Seine Fishery



1. SUMMARY OF PURSE SEINE FISHERY

1.1. *Vessels Licensed and Active*

- The total number of Purse seiners licensed to fish inside the Seychelles EEZ increased from 35 vessels in 2011 to reach 49 vessels licensed in the year 2015. The number of vessels licensed has since then fluctuated between 44 and 46 vessels licensed per year (table 1.2).
- In the year 2020, 45 purse seiners were licensed to fish in the Seychelles EEZ (table 1.2A) out of which 13 were Seychelles flagged vessels, 27 vessels were licensed under the EU agreement and 3 vessels were operating under a fishing agreement with Mauritius and 2 were operating under a private fishing agreement.
- During the first semester of 2021, one vessel from the French fleet left the fishery whilst two new vessels joined the EU fleet making a total 46 vessels licensed compared to 45 vessels licensed for the same period, the previous year out of which 13 were Seychelles flagged vessels, 16 Spanish vessels and 11 French vessels.
- During the year 2020, the number of supply vessels licensed to operate inside the Seychelles EEZ decreased by 1 vessel to reach 16 supply vessels licensed out of which 6 vessels were licensed under Spanish flag and 5 vessels were licensed under Seychelles flag.
- During the first semester of 2021, the number of supply vessels licensed to operate inside the Seychelles EEZ decreased by 3 vessels to reach 13 supply vessels licensed, out of which 5 vessels were licensed under Spanish flag, 4 vessels were licensed under Seychelles flag and 2 under the French flag.
- The total number of purse seiners active shows similar historical trend to the number of vessels licensed over the last 10 years (table 1.2B). On average 42 vessels were active per month during the year 2020 compared to 41 vessels active per month during the previous year (table 1.2C).
- During the first semester of 2021, on average 43 vessels were active, like the first semester of 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 10% decrease in catches to reach a total of 231,477 MT in 2012 from 258,361 MT in 2011, the purse seine catches has since then increased steadily to reach a total 439,831 MT in 2018 (figure 1A).

The fishing effort, in term of fishing days, has been increasing steadily from 9,558 fishing days in 2011 to reach a peak of 13,825 fishing days in 2016 (figure 1B). The fishing effort subsequently decreased to reach 10,115 fishing days in 2019.

The CPUE has been fluctuating between 22.71 MT/ fishing day and 29.97 MT/ fishing day during the period 2011 to 2016. An increased in CPUE has been observed from 2016 to reach 40.18 MT/fishing day in 2019 (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 2020 is estimated at 353,675 MT, representing 13% decreased over the estimated catch of 406,455 MT reported in the year 2019 (table 1.3B). The fishing effort recorded a 4% increase from 10,115 fishing days estimated for the year 2019 to 10,548 fishing days estimated for the year 2020. The mean catch rate (CPUE) decreased from 40.18 MT/ fishing day in 2019 to 33.53 MT/ fishing day for the year 2020.
- The purse seine tuna catches in the Western Indian Ocean during the first semester of 2020 is estimated at 164,553 MT representing an 18% decrease in catches over the same period in 2019. This was achieved from a fishing effort of 5,662 fishing days thus giving a mean catch rate of 29.06 MT/ fishing day (table 1.3). The total catch for the first semester of 2019 is estimated at 200,485 MT achieved from a fishing effort of 5,256 fishing days with a mean catch rate of 38.15 MT/ fishing day.
- During the second semester of 2020, a total catch of 189,121 MT was reported, achieved from a fishing effort of 4,886 fishing days representing 8% decrease over the 205,971 MT reported during the same period the previous year. The fishing effort for second semester of 2019 was estimated at 4,860 fishing days. The catch rate for the second semester decreased from 42.38 MT/ fishing day in 2019 to 38.71 MT/ fishing day in 2020.
- The purse seine tuna catches in the Western Indian Ocean during the first semester of 2021 increased by 23% to reach total of 203,101 MT despite a slight decrease of 6% in fishing effort. This was achieved from a fishing effort of 5,300 fishing days thus giving a mean catch rate of 38.32 MT/ fishing day (table 1.3) compared to a mean catch rate of 29.06 MT/ fishing day estimated for the same period the previous year.

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 2020 was dominated by the Spanish fleet accounting for 41% of the total catch whilst the Seychelles and French fleet accounted for 32% and 16% respectively. During the previous year the Spanish, Seychelles and French fleet accounted for 43%, 28% and 17% of the total purse seine catches in WIO respectively.
- During the first semester of 2021, the Spanish fleet still dominated the purse seine fishery catches accounting for 40% of the total catch like the same period the

previous year where it accounted for 38% of the total purse seine catches. The Seychelles and French fleet accounted for 30% and 18% of the total purse seiner catches during the first six months of 2021 respectively whilst for the same period the in the year 2020 the two fleets accounted for 32% and 18% of the total purse seine catches respectively.

- In 2020, the Spanish fleet reported a total catch of 144,095 MT compared to 176,168 MT during the same period of the previous year, representing a 18% decrease in catches with a fishing effort of 3,948 fishing days. The catch rate for the Spanish fleet for the year 2020 and 2019 stand at 36.50 MT/ fishing day and 47.67 MT/ fishing day respectively
- During the first semester of 2021, the Spanish fleet reported a record catch of 80,421 MT compared to 62,214 MT during the same period of the previous year, representing an increase of 29% in catches despite a significant reduction of 12% reported in fishing effort. This was achieved by 1,823 fishing days compared to 2,076 fishing days during the first semester of 2020. Thus, the catch rate for the Spanish fleet for the first semester of 2021 is estimated at 44.12 MT/ fishing day compared to 29.97 MT/ fishing day for the same period the previous year (table 1.3C).
- The total catch for the Seychelles fleet remains the same at 112,231 MT in 2020 and 112,621 MT in 2019 despite a 10% increase in fishing effort. The latter increased from 2,922 fishing days in 2019 to 3,221 fishing days in 2020. The catch rate for the Seychelles fleet decreased from 38.54 MT/ fishing in 2019 to 34.84 MT/ fishing day in 2020 (table 1.3B).
- The total catch reported for the first semester of 2021 was 61,324 MT obtained from a fishing effort of 1,733 fishing days thus giving a mean catch rate of 35.39 MT/ fishing day. This represents an increase of 15% in catches and a slight drop of 1% in fishing effort from the estimated 53,462 MT of catches and 1,751 fishing days reported during the same period in 2020. The mean catch rate reported for the Seychelles purse seine fleet for the first semester of 2020 was 30.53 MT/ fishing (table 1.3B).
- The estimated catch for the French fleet also decreased by 19% in 2020 compared to the previous year. A total catch of 57,839 MT was reported in 2020 compared to 71,027 MT recorded the previous year (table 1.3D). The fishing effort for the French fleet decreased by 6% from 2,088 fishing days in 2019 to 1,956 fishing days in 2020. The catch rate also decreased from 34.02 MT/ fishing day in 2019 to 29.58 MT/ fishing day in the year 2020.
- During the first semester of 2021, the estimated catch for the French fleet increased by 25% to reach 36,404 MT when compared to the reported catch of 29,125 MT for the same period in 2020 (table 1.3D). The fishing effort for the French fleet decreased by 3% whilst the catch rate increased from an estimated 27.45 MT/ fishing day during the first semester of 2020 to 35.26 MT/ fishing day during the same period in 2021.
- The remaining 39,510 MT of catches reported for the year 2020 was caught by

Mauritian, Italian and South Korean vessels achieved from a fishing effort of 1,423 fishing days with a mean catch rate of 27.77 MT/ fishing day. This represents a decrease of 15% in catches with a slight 1% increase in fishing effort. During the previous year, vessels under other flags reported an estimated catch of 46,639 MT from a fishing effort of 1,410 fishing days with a mean catch rate of 33.08 MT/ fishing day (table 1.3E).

- During the first six months of 2021, an estimated catch of 24,952 MT was caught by Mauritian, Italian and South Korean vessels achieved from a fishing effort of 712 fishing days with a mean catch rate of 35.03 MT/ fishing day. During the same period previous year, vessels under other flags reported an estimated catch of 19,752 MT from a fishing effort of 774 fishing days with a mean catch rate of 25.53 MT/ fishing day. This represents a significant increase of 26% in catches despite a decrease of 8% in fishing effort (table 1.3E).

1.3. Species Composition of Catches in WIO

Figure 1J shows the trend in catches by species caught by purse seiners *licensed to fish inside the Seychelles EEZ. Historically Skipjack tuna dominated the purse seine catches in the Western Indian Ocean (table 1.3). However, during the period 2012 to 2015, yellowfin replaced skipjack tuna as the dominant species caught.*

- During the year 2020, Skipjack tuna dominated the total purse seine catches, accounting for 63% of the total catch followed by yellowfin tuna representing for 31% of the total catch, whilst bigeye tuna made up only 5% of the total catch. In 2019, Skipjack tuna accounted for 62% of the total catch followed by yellowfin tuna representing for 32% of the total catch, whilst bigeye tuna made up only 5% of the total catch.
- During the first semester of the year 2021, Skipjack tuna accounted for 57% of the total catches whilst yellowfin tuna and bigeye tuna represented 33% and 10% of the total catches respectively. During the same period the previous year, skipjack tuna dominated the tuna catches accounting for 62% of the total catches whilst yellowfin tuna accounted for 33% of the total catches.
- In 2020, Skipjack tuna catches decreased by 11% from 252,131 MT in 2019 to an estimated total catch of 223,603 MT. The total yellowfin catches are estimated at 110,752 MT, 14% lower than the 128,907 MT reported for the previous year and bigeye tuna catches decreased by 31%, from 24,160 MT in 2019 to 16,702 MT in 2020.
- Between January to June 2021, a total of 114,953 MT of skipjack was reported to have been caught by purse seiners licensed to fish inside the Seychelles EEZ representing a 12% increase from the 102,736 MT reported for the same period the previous year. Yellowfin tuna recorded a 25% increase during the first semester of 2021 with an estimated catch of 67,316 MT compared to 53,928 MT during the same period in 2021. Bigeye tuna catches also increases by 198% from 6,515 MT during the

same period in 2020 to 19,421 MT in 2021.

1.4. Catch by School Type

- Trend analysis of the catch by school type, over the last 10 years shows that purse seiners licensed to fish inside the Seychelles EEZ reported to have fished more on FAD's associated school which accounted for an average of 81% of the total catches per year (table 1.5A and figure 1G).
- In 2020, a total of 326,153 Mt of tuna were caught on FAD's associated school representing 92% of the total catch and 26,383 MT or 7% of the total catch was caught on free swimming school. During the previous year, 82% or 334,123 MT of catches were reported to have been caught on FAD's associated schools whilst 15% or 62,067 MT of the catches were reported to have been caught on free swimming school. This reflects a slight 2% decrease in catches on FAD's associated school and a 57% decrease in catches on free swimming school.
- During the first semester of 2021, catches on free swimming school recorded a remarkable increase of 141% and catches on FAD's associated schools increased by 11% when compared to the same period in 2020. A total of 163,655 MT was reported to have been caught on FAD's associated schools during the first six months of 2021 compared to 147,809 MT during the same period in 2020. Catches on free swimming schools increased from 15,906 MT during the first semester in 2020 to 38,376MT during the same period in 2021.
- Species wise, 67% of the catch on FAD's associated school were skipjack tuna and 28% were yellowfin tuna in the year 2020, like f the previous year. Bigeye tuna accounted for only 5% of the catches on FADs. Catches on free swimming schools were dominated by yellowfin tuna representing 74% of the total catch whilst skipjack and bigeye tuna accounted for 20% and 6% of the catches on free swimming schools respectively. During 2019, yellowfin tuna accounted for 50% of the total catch whilst skipjack and bigeye tuna accounted for 41% and 9% of the total catches on free swimming schools respectively.
- During the first semester of 2021, skipjack tuna accounted for 66% of catches on FAD's associated schools whilst yellowfin and bigeye tuna accounted for 24% and 9% respectively. During first semester 2020, skipjack tuna accounted for 67% of the total FAD's catches, yellowfin and bigeye tuna accounted for 28% and 4% respectively. Catches on Free swimming schools was dominated by yellowfin tuna accounting for 70% and 78% of the total catch during the first six months of 2021 and 2020 respectively whilst catches of skipjack represented 17% of the total catch during both periods.

1.5. Activity inside the Seychelles EEZ

- Trend analysis of the purse seine fishery in the Seychelles EEZ shows that catches inside the Seychelles EEZ fluctuated over the last 10 years with a peak of 92,958 MT recorded in 2016 and the lowest catch of 36,013 Mt recorded in 2013 (figure 1D). The fishing effort increased from 2,752 fishing days in the year 2011 to 3,096 fishing days in 2012, then dropped to 2,183 fishing days in 2013 and had since then been increasing to reach a peak of 4740 fishing days in 2016 (figure 1E). From 2016 onward, the fishing effort has been on a decreasing trend. The CPUE analysis shows a downward trend from 21.53 MT/fishing day in 2011 to a dip of 15.70 MT/ fishing day in 2014 followed by an increasing trend to 31.47 MT/ fishing day in 2018 (figure 1F).
- A total catch of 95,668 MT was reported inside the Seychelles EEZ during the whole year 2020 representing a 13% increase from the 84,610 MT reported for the year 2019. This corresponds to a 21% increase in fishing effort from 2,575 fishing day in 2019 to 3,127 fishing days in 2020. The mean catch rate for 2020 inside the Seychelles EEZ stands at 30.59 MT/fishing day compared to 32.85 MT/fishing day in 2019 (table 1.4).
- The purse seine tuna catch reported inside the Seychelles EEZ during the first semester of 2020 is estimated at 51,968 MT (table 1.4A) achieved from a fishing effort of 1,894 fishing days, thus giving a mean catch rate of 27.44 MT/ fishing day. This represents an increase of 13% in catches corresponding to a 34% increase in fishing effort over the same period, the previous year (table 1.4A). During the first semester of 2019, the purse seine tuna catches reported inside the Seychelles EEZ was estimated at 46,002 MT (table 1.4A) achieved from a fishing effort of 1,416 fishing days, thus giving a mean catch rate of 32.48 MT/ fishing day (table 1.4A).
- During the second semester of 2020, a total of 43,700 MT of tuna were reported to have been caught by purse seiners inside the Seychelles EEZ obtain from a fishing effort of 1,233 fishing days, thus giving a mean catch rate of 35.43 MT/ fishing day. This represents an increase of 13% in total catch from 38,609 MT of catches reported during the second semester of 2019 attributed to a 6% increase in fishing effort.
- The purse seine tuna catches reported inside the Seychelles EEZ during the first semester of 2021 is estimated at 24,070 MT (table 1.4A) achieved by a fishing effort of 934 fishing days, thus giving a mean catch rate of 25.76 MT/ fishing day. This represents a decrease of 54% in catches corresponding to a drop of 51% in fishing effort over the same period the previous year (table 1.4A). During the same period in 2020, the purse seine tuna catch reported inside the Seychelles EEZ was estimated at 51,968 MT (table 1.4A) achieved by a fishing effort of 1,894 fishing days, thus giving a mean catch rate of 27.44 MT/ fishing day (table 1.4A).
- In 2020, the monthly trend in catches shows that highest catch and catch rate inside the Seychelles EEZ were recorded in the month of September with total catch of 17,042 MT and a mean catch rate of 47.94 MT/fishing day. During the previous year,

the highest catch was reported in the month of March with an estimated catch of 15,104 MT and highest catch rate were reported during the month of June with a mean catch rate of 44.70 MT/fishing day.

1.5.1. Activity inside the Seychelles EEZ by Fleet

- During the year 2020, the Spanish fleet accounted for 31 % of the catches in the Seychelles EEZ, like the previous year. The French and Seychelles Fleet accounted for 27% and 26% respectively. During the previous year the French and Seychelles fleet accounted for 29% and 21% of the Seychelles EEZ catches respectively.
- Between January to June 2021, the Seychelles accounted for 30% of the total catches inside the Seychelles EEZ followed by the Spanish and French fleet, each accounting for 27%. During the same period the previous year the Seychelles, Spanish and French fleet accounted for 29%, 27% and 26% of the Seychelles EEZ catches respectively
- In 2020, the Spanish fleet reported catches inside of the Seychelles EEZ increase by 11% corresponding to a 12% increase in fishing effort when compared to the previous year. The estimated catch reported by the Spanish fleet inside the Seychelles EEZ in 2020 is estimated at 29,362 MT with a mean catch rate of 35.58 MT/fishing day compared to a total estimated catch of 26,559 MT and a mean catch rate of 36.06 MT/fishing day in 2019 (table 1.4C).
- The Spanish fleet reported a significant drop of 53% in catches inside the Seychelles EEZ during the first semester of 2021 which is estimated at 6,558 MT compared to 14,054 MT reported during the same period the previous year. The decrease in catches corresponds to significant drop of 42% decrease in fishing effort. The mean catch rate for the Spanish fleet during the first semester of 2021 is estimated at 24.69 MT/ fishing day compared to 30.82 MT/ fishing day for the same period the previous year.
- The French fleet reported a total catch of 26,298 MT inside the Seychelles EEZ achieved from a total effort of 797 fishing days during the year 2020, (table 1.4 D). This represents an increase of 8% in catches and 7% increase in fishing effort inside the Seychelles EEZ thus giving an increased mean catch rate of 33.01 MT/fishing day compared to 32.90 MT/fishing day estimated for the previous year.
- During the first semester of 2021, the French fleet reported a total catch of only 6,538 MT achieved from a fishing effort of 212 fishing days thus giving a mean catch rate of 31.10 MT/ fishing day. This represents a decrease of 51% in catches corresponding to a decrease of 52% in fishing effort over the total catches of 13,329 MT and a fishing effort of 443 fishing days during the same period in 2020. The catch rate for the same period in 2020 for the French fleet stood at 30.07 MT/ fishing day.

1.6. Statistics of Seychelles Flagged Vessels

- Trend analysis of the Seychelles flagged purse seine catches over the last 10 years shows that following a dropped in catches from 63,212 MT in 2011 to 50,938 MT in 2012, the catches has since then increased steadily to reach a peak of 123,310 MT in 2018. A decrease of 9% was recorded in catches 2019 compared to the previous year. From the year 2011, the fishing effort has been on a downward trend to a mere 1,809 fishing days in 2013 and has since then fluctuate between 2,109 to 4,092 fishing days. The CPUE fluctuated between 23.88 MT/ fishing day and 44.25 MT/ fishing day.
- The Seychelles flagged purse seiners reported a total catch of 112,231 MT in the WIO in 2020, achieved from a fishing effort of 3,221 fishing days thus giving a mean catch rate of 34.84 MT/fishing day. In 2019 the Seychelles purse seine fleet reported a total catch of 112,621 MT obtained from a fishing effort of 2,922 fishing days with a mean catch rate of 38.54 MT/ fishing day (table 1.3B).
- During the first semester of 2021, the Seychelles fleet reported a total catch of 61,324 MT achieved form a fishing effort of 1,733 fishing days thus giving a mean catch rate of 35.39 MT/ fishing day. This represents an increase of 15% in catches over the 53,462 MT obtained from a fishing effort of 1,751 fishing days during the same period the previous year where the catch rate was 30.53 MT/ Fishing Day.
- The catches of the Seychelles purse seine fleet inside the Seychelles EEZ in 2020 is estimated at 25,230 MT compared to 18,088 MT during the previous year. This represents an increase of 39% in catches corresponding to an increase of 51% in fishing effort (table 1.4B). The mean catch rate for the Seychelles fleet inside the Seychelles EEZ is estimated at 26.28 MT/ fishing day and 28.55 MT/ fishing day in 2020 and 2019 respectively (table 1.4B).
- During the first semester of 2021, catches of the Seychelles purse seine fleet inside the Seychelles EEZ is estimated at 7,104 MT achieved from a fishing effort of 311 fishing days thus giving a mean catch rate of 22.84 MT/ fishing day. This represents a decrease of 53% in catches corresponding to a decrease of 50% in fishing effort *over the same period the previous year. The catches and effort for the first semester of year 2020 was estimated at 14,962 MT and 619 fishing days respectively*, with a catch rate of 24.17 MT/ fishing day.
- In terms of geographical areas, 56% of the Seychelles purse seine fleet catches reported to have been caught on the high seas and only 22% of its catches were reported to have been caught inside of the Seychelles EEZ in 2020 whilst the remaining 21% were reported to have been caught in foreign EEZ (table 1.4F). During the previous year, 64% and 20% of the Seychelles fleet catches were caught on the high seas and inside the Seychelles EEZ respectively.
- During the first semester of 2021, the Seychelles fleet reported to have caught 60% of its catches on the high seas and 12% in the Seychelles EEZ, compared to the same

period the previous year where only 27% of their catches were reported from the high seas, 28% inside of the Seychelles EEZ and 45% were reported to have been caught in foreign EEZ.

1.7. Purse seine statistics by Access Regime

- In 2020, purse seiners licensed to operate inside of the Seychelles EEZ were operating under the National or Seychelles flag licences, Sustainable Fisheries Partnership Agreement with the European Union (EU) agreement and under individual agreement with South Korea and Mauritius hereafter group as 'Others'.
- During the year 2020, vessels fishing under the EU agreement reported a total catch of 57,973 MT or 61% of the total reported catch inside the Seychelles EEZ. This represents an increase of 8% in catches inside the Seychelles EEZ from the 53,467 MT reported in 2019. This was achieved from a fishing effort of 1,729 fishing days thus giving a mean catch rate of 33.53 MT/ fishing day. A total of 1,561 fishing days and a mean catch rate of 34.25 MT/ fishing day were reported for the year 2019 (table 1.6).
- For the period January to June 2021, vessels fishing under the EU agreement reported a total catch of 13,877 MT or 58% of the total reported catch inside the Seychelles EEZ compared to 28,826 MT or 55% of the total reported catch inside the Seychelles EEZ, during the same period for 2020. This represents a remarkable decrease of 52% and 48% in catches and fishing effort respectively during the first semester of 2021 when compared to the same period the previous year. The fishing effort and catch rate decrease from 975 fishing days and 29.58 MT/ fishing day during the first semester in 2020 to reach 507 fishing days with a catch rate of 27.38 MT/ fishing day during the same period in 2021.
- Vessels under other agreement recorded a decrease of 5% in catches despite a 15% increase in fishing effort inside the Seychelles EEZ during the year 2020 when compared to the previous year. In 2020 vessel under other agreement reported a total catch of 12,465 MT accounting for 13% of the total EEZ catch obtained from a fishing effort of 438 fishing days with a mean catch rate of 28.45 MT/ fishing day. This compared to an estimated total catch of 13,056 MT for the year 2019 achieved from a fishing effort of 381 fishing days thus giving a mean catch rate of 34.29 MT/ fishing day.
- Vessels under other agreement reported a total catch of 3,088 MT accounting for 13% of the total EEZ catch obtained from a fishing effort of 117 fishing days with a mean catch rate of 26.50 MT/ fishing day during first semester 2021. This represents a decrease of 62% and 61% in catches and fishing effort respectively when compared to the same period in the year 2020 where catches and effort were estimated at 8,180 MT of catches and 300 fishing days.

1.8. Landing and Transshipment Statistics

- Readers should note that figures presented in this report for landing and transshipment might be slightly different to previously published figures since the figures have been updated to include discards during unloading which was not previously published. However, SFA cannot publish discards disaggregated by species during unloading nor discards recorded on logbooks since such data is not provided in a consistent manner by the vessels to SFA. Discards information are provided by the vessels on their landing and transshipment forms and includes both bycatch and tuna discarded due to being unfit for sale at IOT or for exports.
- Time series analysis of landing and transshipment shows that following a drop of 13% in the volume of purse seine catches unloaded in Port Victoria in the year 2011, the landing and transshipment has thereafter been on an increasing trend to reach a peak of 432,607 MT in 2018 (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 the year 2020. A total of 335,074 MT of tuna was unloaded through port Victoria compared to 389,646 MT in 2019. This represents 95% of the total landing and transshipment for that year (figure 1L) and an 14% decrease from the previous year. It must be noted that 1,925 MT of catches unloaded were discarded during the year 2020 representing a drop of 13% in discards compared to 2,210 MT of catches discarded in the year 2019.
- During the first semester of 2021, landing and transshipment in Port Victoria increased by 23% over the same period in 2020. A total of 193,268 MT of tuna and tuna-like species were landed or transhipped in Port Victoria representing 96% of the total catch unloaded for the first semester of 2021. During the same period, the previous year, 96% of total catches unloaded or 157,072 MT of tuna and tuna-like species were unloaded in Port Victoria. A total of 1,272 Mt of catches were discarded during unloading in the first semester of the year 2021 compared to 1,247 MT during the same period the previous year.
- In the year 2020, a total catch of 279,858 MT or 84% of total purse seine catches unloaded in Port Victoria were transhipped onto reefers or into containers for export whilst the remaining 16% or 53,291 MT of tuna were landed in Port Victoria for local processing or sale (table 1.8). In 2019, a total of 340,1697 MT of tuna were transhipped and 47,267MT were landed in Port Victoria. These represent a decrease of 18% in transshipment and an increase of 12% in landings in port Victoria respectively during the year 2020 when compared to the previous year excluding the discards.
- Out of the 279,858 MT of tuna transhipped in Port Victoria, 26% or 71,953 MT were transhipped onto reefer vessels whilst 74% or 207,905 MT were transhipped into containers for export excluding discards (table 1.9). This represents a slight increase of 2% of tuna transhipped via containers and a decrease of 47% of tuna transhipped via reefer vessels respectively when compared to the previous year. In 2019 a total of 136,541 MT or 40% of total tuna transhipped were by reefer vessels and 60% or

203,628 MT of tuna were transhipped into containers excluding discards.

- During the first semester of 2021, a total of 162,477 MT of tuna were transhipped and 29,519 MT were landed in Port Victoria (table 1.8). During the same period in 2020, a total of 126,936 MT of tuna were transhipped and 28,889 MT were landed in Port Victoria. These represent an increase of 28% and 2% in transshipment and landings in port Victoria excluding the discarded catches.
- During transshipment, 72% or 116,822 MT of the total catches unloaded were transhipped into containers and 28% or 45,655 MT were unloaded onto reefers for export. This represents an increase of 17% in transshipment into containers and an increase of 66% in transshipment via containers.
- Analysis of catch landed/transhipped in port Victoria by fleet shows that historically, the Spanish fleet dominated tuna unloading in Port Victoria. In 2020 the Spanish fleet landed and transhipped a total of 138,551 MT of tuna in port Victoria representing 42% of the total catch unloaded in Port Victoria during that year whilst the French and Seychelles fleet accounted for 16% (or 52,229 MT) and 31% (or 104,231 MT) respectively (table 1.8). During the previous year, the Spanish fleet accounted for 43% (or 166,173 MT) of landing and transshipment in Port Victoria whilst the French and Seychelles fleet accounted for 18% (or 70,546 MT) and 27% (or 104,568 MT) respectively.
- During the first semester of 2021, the Spanish fleet landed and transhipped a total of 79,781 MT of tuna and tuna-like species in port Victoria representing 41% of the total catch unloaded in Port Victoria during that period whilst the French and Seychelles fleet accounted for 17% (or 32,028 MT) and 29% (or 56,322 MT) respectively (table 1.8). During the same period, previous year, the Spanish fleet accounted for 38% (or 60,213 MT) of total catches unloaded in Port Victoria whilst the French and Seychelles fleet accounted for 17% (or 27,112 MT) and 32% (or 49,564 MT) respectively.

1.9. Fishing Ground

- Map 1A and 1B show the distribution of reported catch of purse seiner by 1^o square in the WIO for the years 2019 and 2020 respectively. Map 1C and 1D shows the distribution of reported catch of purse seiner by 1^o square in the WIO for the 1st Semester of 2020 and 2021 respectively whilst maps 1E show the distribution of reported catch of purse seiner by 1^o square in the WIO for the 2nd Semester of 2020.
- Maps 1B shows that the fishing pattern for the whole year 2020 appears to be like that of the previous year (Map 1A) with a slight decrease in catches in the Mozambique channel.
- Maps 1D shows decreased catches in the Arabian sea and NW Seychelles area with increased catches in the SE Seychelles and East Somalia area during the first semester of 2021 when compared to the same period in 2020 (Map 1C).

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

(Database Closed on 23/11/2021)

Vessel Type: Purse Seiners

Years: 2011 - 2021

Access Regime	Country	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
National	Seychelles	8	8	7	11	13	13	13	13	13	13	13
National Total		8	8	7	11	13	13	13	13	13	13	13
EU	Spain	14	15	14	15	17	16	14	14	15	15	16
	France	8	10	8	13	13	12	12	12	12	11	11
	Italy					1	1	1	1	1	1	1
EU Total		22	25	22	28	31	29	27	27	28	27	28
Others	Mauritius			2	2	2	2	2	2	3	3	3
	Mayotte	5	5	5								
	Korea, South		1	3	4	5	5	4	2	2	2	2
Others Total		5	6	10	6	7	7	6	4	5	5	5
		35	38	39	44	49	49	46	44	45	45	46

* Number of Vessels change of flag	1	1	2	1
------------------------------------	---	---	---	---

Vessel Type: Supply Vessels

Years: 2011 - 2021

Access Regime	Country	2011	2012	2013	2014	2015	Year 2016	2017	2018	2019	2020	2021
National	Seychelles	6	3	4	6	7	9	8	7	6	5	4
National Total		6	3	4	6	7	9	8	7	6	5	4
EU	Spain	4	5	6	10	11	11	11	11	6	6	5
	France						1	1	2	2	3	2
	Italy								1	1		
EU Total		4	5	6	10	11	12	12	14	9	9	7
Others	Korea							1	1	1	1	1
	Mauritius					1	1	1	1	1	1	1
Others Total		0	0	0	0	1	1	2	2	2	2	2
	Annual Total	9	8	10	16	19	22	22	22	17	16	13

* Number of Vessels change of flag	1	1
------------------------------------	---	---

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

(Database Closed on 23/11/2021)

Year: 2020

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Total
Jan	13	15	11	1	2	3	45
Feb	13	15	10	1	2	3	44
Mar	13	15	10	1	2	3	44
Apr	13	15	10	1	2	3	44
May	13	15	10	1	2	3	44
Jun	13	15	10	1	2	3	44
Jul	13	15	10	1	2	3	44
Aug	13	15	10	1	2	3	44
Sep	13	15	10	1	2	3	44
Oct	13	15	10	1	2	3	44
Nov	13	15	10	1	2	3	44
Dec	13	15	10	1	2	3	44
Year Average	13	15	10	1	2	3	44
Quarter 1	13	15	10	1	2	3	44
Quarter 2	13	15	10	1	2	3	44
Quarter 3	13	15	10	1	2	3	44
Quarter 4	13	15	10	1	2	3	44
First Semester	13	15	10	1	2	3	44
Second Semester	13	15	10	1	2	3	44

Year: 2021

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Total
Jan	13	15	11	1	2	3	45
Feb	13	16	11	1	2	3	46
Mar	13	16	11	1	2	3	46
Apr	13	16	11	1	2	3	46
May	13	16	11	1	2	3	46
Jun	13	16	11	1	2	3	46
Jul	13	16	11	1	2	3	46
Aug	13	16	11	1	2	3	46
Sep	13	16	11	1	2	3	46
Oct	15	16	11	1	2	3	48
Nov	13	16	11	1	2	3	46
Dec	13	16	11	1	2	3	46
Year Average	13	16	11	1	2	3	46
Quarter 1	13	16	11	1	2	3	46
Quarter 2	13	16	11	1	2	3	46
Quarter 3	13	16	11	1	2	3	46
Quarter 4	14	16	11	1	2	3	47
First Semester	13	16	11	1	2	3	46
Second Semester	13	16	11	1	2	3	46

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

(Database Closed on 23/11/2021)

Years: 2011 - 2021

Access Regime	Country	Year										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021**
National	Seychelles	8	8	7	10	13	13	13	13	13	13	13
National Total		8	8	7	10	13	13	13	13	13	13	13
EU	Spain	13	15	14	15	17	14	14	14	15	15	15
	France	8	10	8	13	12	12	12	12	12	10	11
	Italy					1	1	1	1	1	1	1
EU Total		21	25	22	28	30	27	27	27	28	26	27
Others	Mauritius			1	2	2	2	2	2	3	3	3
	Mayotte	5	5	5								
	Korea		1	3	4	5	5	3	2	2	2	2
	Thailand											
Others Total		5	6	9	6	7	7	5	4	5	5	5
	Annual Total	34	38	38	43	49	47	45	44	45	44	45

* Number of Vessels operated under different flag

1

1

2

1

** Vessel active during first semester only

TABLE 1.2C. Purse Seiners Active by Country of Registration

(Database Closed on 23/11/2021)

Year: 2020

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

Year: 2021

Month	Seychelles	Spain	France	Italy	Korea	Mauritius	Total
Jan	13	12	11	1	2	3	42
Feb	13	13	11	1	2	3	43
Mar	13	15	11	1	2	3	45
Apr	13	14	10	1	2	3	43
May	12	14	10	1	2	3	42
Jun	13	13	9	1	2	3	41
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
Year Average	<u>13</u>	<u>14</u>	<u>10</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>43</u>
Quarter 1	13	13	11	1	2	3	43
Quarter 2	13	14	10	1	2	3	42
Quarter 3							
Quarter 4							
First Semester	13	14	10	1	2	3	43
Second Semester							

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

(Database Closed on 23/11/2021)

Country: ALL

Semester 1, Years: 2011 - 2021

Year	Effort		Catch Rate				Catches (MT)						Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2011	4,618	24.99	39,951	35	64,804	56	9,983	9	646	1	28	0	115,412
2012	4,599	26.57	67,813	55	42,909	35	10,480	9	996	1	21	0	122,219
2013	4,802	25.87	60,320	49	51,469	41	11,933	10	351	0	131	0	124,204
2014	5,674	24.23	68,865	50	57,157	42	11,165	8	268	0	39	0	137,494
2015	5,977	24.84	74,033	50	57,523	39	16,386	11	413	0	119	0	148,473
2016	6,823	23.07	68,709	44	78,815	50	9,508	6	348	0	45	0	157,426
2017	6,356	29.47	84,484	45	83,129	44	19,047	10	433	0	216	0	187,309
2018	5,744	41.04	73,335	31	146,489	62	14,339	6	46	0	1,525	1	235,734
2019	5,256	38.15	69,559	35	115,216	57	15,115	8	116	0	478	0	200,485
2020	5,662	29.06	53,928	33	102,736	62	6,515	4	45	0	1,330	1	164,553
2021	5,300	38.32	67,316	33	114,953	57	19,421	10	115	0	1,296	1	203,101

Country: ALL

Semester 2, Years: 2011 - 2020

Year	Effort		Catch Rate				Catches (MT)						Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2011	4,940	28.94	70,623	49	62,346	44	9,882	7	98	0	0	0	142,949
2012	5,096	21.44	63,244	58	39,254	36	6,515	6	210	0	36	0	109,258
2013	5,382	28.55	75,041	49	65,584	43	12,827	8	148	0	75	0	153,675
2014	6,115	22.95	57,935	41	71,948	51	10,071	7	256	0	132	0	140,343
2015	6,779	20.83	61,763	44	70,620	50	8,653	6	124	0	70	0	141,230
2016	7,002	27.78	78,054	40	103,209	53	12,927	7	73	0	239	0	194,501
2017	5,062	35.45	53,485	30	114,551	64	10,561	6	39	0	812	0	179,448
2018	5,145	39.67	66,938	33	127,827	63	8,923	4	57	0	354	0	204,097
2019	4,860	42.38	59,348	29	136,914	66	9,045	4	41	0	623	0	205,971
2020	4,886	38.71	56,824	30	120,867	64	10,188	5	90	0	1,151	1	189,121

Country: ALL

Years: 2011 - 2020

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2011	9,558	27.03	110,574	43	127,150	49	19,864	8	744	0	28	0	258,361
2012	9,696	23.87	131,057	57	82,163	35	16,995	7	1,206	1	56	0	231,477
2013	10,184	27.29	135,361	49	117,053	42	24,760	9	499	0	206	0	277,879
2014	11,789	23.57	126,800	46	129,105	46	21,236	8	524	0	172	0	277,837
2015	12,756	22.71	135,797	47	128,143	44	25,039	9	537	0	188	0	289,704
2016	13,825	25.46	146,763	42	182,024	52	22,435	6	421	0	284	0	351,927
2017	11,418	32.12	137,970	38	197,680	54	29,608	8	472	0	1,027	0	366,757
2018	10,889	40.39	140,273	32	274,315	62	23,261	5	103	0	1,879	0	439,831
2019	10,115	40.18	128,907	32	252,131	62	24,160	6	157	0	1,100	0	406,455
2020	10,548	33.53	110,752	31	223,603	63	16,702	5	135	0	2,481	1	353,675

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

(Database Closed on 23/11/2021)

Country: ALL

Year: 2020

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	45	44	888	26.41	7,108	30	15,493	66	770	3	2	0	91	0	23,464
Feb	44	42	950	34.19	9,576	29	21,351	66	1,358	4	4	0	186	1	32,475
Mar	44	42	1,017	32.53	10,328	31	21,201	64	1,244	4	5	0	299	1	33,077
Apr	44	43	1,072	27.73	7,789	26	20,607	69	999	3	2	0	333	1	29,730
May	44	44	982	23.40	4,546	20	17,488	76	560	2	3	0	368	2	22,966
Jun	44	43	753	30.34	14,580	64	6,596	29	1,584	7	29	0	53	0	22,842
Jul	44	39	626	32.66	6,661	33	12,122	59	1,514	7	1	0	161	1	20,459
Aug	44	44	1,003	37.44	10,389	28	24,714	66	2,011	5	62	0	362	1	37,538
Sep	44	43	853	47.83	11,935	29	26,598	65	1,996	5	15	0	268	1	40,812
Oct	44	43	951	52.42	15,381	31	31,806	64	2,537	5	3	0	131	0	49,858
Nov	44	42	734	33.69	7,217	29	16,231	66	1,159	5	0	0	116	0	24,723
Dec	44	37	719	21.89	5,241	33	9,395	60	971	6	9	0	114	1	15,730
Annual	44	42	10,548	33.53	110,752	31	223,603	63	16,702	5	135	0	2481	1	353,675
Quarter 1	44	43	2,855	31.18	27,012	30	58,045	65	3,372	4	11	0	576	1	89,015
Quarter 2	44	43	2,807	26.91	26,916	36	44,691	59	3,143	4	34	0	755	1	75,538
Quarter 3	44	42	2,482	39.81	28,985	29	63,435	64	5,521	6	78	0	791	1	98,809
Quarter 4	44	41	2,404	37.57	27,839	31	57,433	64	4,667	5	12	0	361	0	90,312
First Semester	44	43	5,662	29.06	53,928	33	102,736	62	6,515	4	45	0	1330	1	164,553
Second Semester	44	41	4,886	38.71	56,824	30	120,867	64	10,188	5	90	0	1151	1	189,121

Country: ALL

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	45	42	934	33.34	16,590	53	11,088	36	3,395	11	28	0	39	0	31,140
Feb	46	43	801	60.43	14,124	29	28,702	59	5,432	11	11	0	124	0	48,393
Mar	46	45	929	39.22	10,381	28	22,666	62	3,007	8	12	0	384	1	36,450
Apr	46	43	866	39.92	8,085	23	23,610	68	2,573	7	7	0	284	1	34,558
May	46	42	878	30.08	6,928	26	17,285	65	1,899	7	5	0	306	1	26,424
Jun	46	41	892	29.31	11,207	43	11,601	44	3,116	12	52	0	160	1	26,135
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	46	43	5,300	38.32	67,316	33	114,953	57	19,421	10	115	0	1,296	1	203,101
Quarter 1	46	43	2,664	43.53	41,095	35	62,456	54	11,834	10	51	0	547	0	115,984
Quarter 2	46	42	2,636	33.05	26,220	30	52,496	60	7,587	9	64	0	750	1	87,117
Quarter 3															
Quarter 4															
First Semester	46	43	5,300	38.32	67,316	33	114,953	57	19,421	10	115	0	1,296	1	203,101
Second Semester															

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

(Database Closed on 23/11/2021)

Country: SEYCHELLES

Year: 2020

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others (Mt)	Total Catch (Mt)	
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)			
Jan	13	13	279	31.41	2,478	28	5,940	68	336	4	1	0	5	0	8,760
Feb	13	13	319	40.89	3,468	27	8,835	68	725	6	1	0	20	0	13,049
Mar	13	13	323	33.56	3,134	29	7,108	66	548	5	0	0	38	0	10,828
Apr	13	13	323	27.98	2,300	25	6,248	69	459	5	0	0	34	0	9,041
May	13	13	316	23.87	1,500	20	5,695	76	275	4	1	0	65	1	7,536
Jun	13	12	191	22.20	1,542	36	2,309	54	382	9	2	0	14	0	4,248
Jul	13	13	212	33.51	1,821	26	4,849	68	398	6	0	0	44	1	7,112
Aug	13	13	347	38.22	2,857	22	9,602	72	751	6	1	0	37	0	13,249
Sep	13	13	286	46.98	3,875	29	8,844	66	662	5	0	0	38	0	13,419
Oct	13	12	282	54.34	4,650	30	9,831	64	832	5	1	0	29	0	15,343
Nov	13	11	191	36.42	2,039	29	4,566	66	349	5	0	0	5	0	6,958
Dec	13	8	153	17.62	839	31	1,660	62	175	7	1	0	12	0	2,688
Annual	13	12	3,221	34.84	30,502	27	75,486	67	5,893	5	8	0	342	0	112,231
Quarter 1	13	13	921	35.45	9,080	28	21,883	67	1,609	5	2	0	63	0	32,637
Quarter 2	13	13	830	25.09	5,341	26	14,252	68	1,116	5	3	0	113	1	20,825
Quarter 3	13	13	845	40.00	8,553	25	23,295	69	1,812	5	1	0	119	0	33,780
Quarter 4	13	10	626	39.92	7,527	30	16,057	64	1,356	5	2	0	47	0	24,989
First Semester	13	13	1,751	30.53	14,422	27	36,134	68	2,725	5	5	0	177	0	53,462
Second Semester	13	12	1,471	39.96	16,080	27	39,351	67	3,168	5	3	0	166	0	58,768

Country: SEYCHELLES

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others (Mt)	Total Catch (Mt)	
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)			
Jan	13	13	321	31.49	3,509	35	5,606	55	978	10	1	0	20	0	10,114
Feb	13	13	275	46.72	3,274	25	8,290	65	1,258	10	2	0	25	0	12,849
Mar	13	13	320	35.27	2,766	24	7,457	66	1,010	9	1	0	66	1	11,299
Apr	13	13	267	39.64	2,438	23	7,352	70	743	7	1	0	41	0	10,576
May	13	12	257	36.86	2,373	25	6,446	68	636	7	0	0	37	0	9,491
Jun	13	13	292	23.96	2,411	34	3,819	55	655	9	10	0	100	1	6,995
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	13	13	1,733	35.39	16,770	27	38,971	64	5,279	9	15	0	289	0	61,324
Quarter 1	13	13	917	37.38	9,549	28	21,353	62	3,245	9	4	0	111	0	34,263
Quarter 2	13	13	816	33.16	7,222	27	17,617	65	2,034	8	11	0	178	1	27,062
Quarter 3															
Quarter 4															
First Semester	13	13	1,733	35.39	16,770	27	38,971	64	5,279	9	15	0	289	0	61,324
Second Semester															

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

(Database Closed on 23/11/2021)

Country: SPAIN

Year: 2020

Month	Vessels	Vessels	Effort	Catch Rate		Catches (MT)								Total Catch	
	Licensed (Number)	Covered (Number)		(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)		Others (Mt)
Jan	15	15	279	22.71	2,003	32	4,097	65	210	3	0	0	35	1	6,345
Feb	15	14	318	31.68	2,926	29	6,779	67	347	3	0	0	23	0	10,074
Mar	15	14	384	34.02	3,450	26	9,010	69	446	3	0	0	155	1	13,060
Apr	15	15	414	31.17	3,114	24	9,317	72	332	3	0	0	140	1	12,902
May	15	15	408	25.84	1,861	18	8,300	79	174	2	0	0	201	2	10,535
Jun	15	15	273	34.04	5,668	61	2,739	29	853	9	6	0	32	0	9,297
Jul	15	12	255	35.29	2,633	29	5,522	61	731	8	0	0	116	1	9,002
Aug	15	15	356	41.88	3,575	24	10,263	69	776	5	0	0	312	2	14,926
Sep	15	15	315	55.03	4,496	26	11,823	68	807	5	0	0	226	1	17,352
Oct	15	15	362	64.87	7,384	31	14,792	63	1,236	5	0	0	84	0	23,495
Nov	15	15	270	35.57	2,800	29	6,239	65	469	5	0	0	90	1	9,598
Dec	15	13	313	23.96	2,545	34	4,344	58	525	7	1	0	92	1	7,508
Annual	15	14	3,948	36.50	42,453	29	93,223	65	6,906	5	7	0	1,507	1	144,095
Quarter 1	15	14	981	30.04	8,378	28	19,886	67	1,002	3	0	0	214	1	29,480
Quarter 2	15	15	1,095	29.90	10,642	33	20,355	62	1,359	4	6	0	372	1	32,734
Quarter 3	15	14	927	44.54	10,703	26	27,608	67	2,315	6	0	0	655	2	41,280
Quarter 4	15	14	945	42.95	12,729	31	25,375	62	2,230	5	1	0	266	1	40,601
First Semester	15	15	2,076	29.97	19,021	31	40,241	65	2,361	4	6	0	586	1	62,214
Second Semester	15	14	1,872	43.74	23,432	29	52,983	65	4,544	6	1	0	921	1	81,881

Country: SPAIN

Year: 2021

Month	Vessels	Vessels	Effort	Catch Rate		Catches (MT)								Total Catch	
	Licensed (Number)	Covered (Number)		(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)		Others (Mt)
Jan	15	12	288	32.20	4,884	53	2,835	31	1,543	17	18	0	6	0	9,286
Feb	16	13	277	78.99	6,761	31	12,345	56	2,766	13	0	0	30	0	21,902
Mar	16	15	278	45.32	3,227	26	8,111	64	1,015	8	5	0	255	2	12,613
Apr	16	14	333	43.38	3,158	22	10,074	70	1,032	7	1	0	200	1	14,465
May	16	14	332	33.38	3,025	27	7,077	64	737	7	0	0	261	2	11,100
Jun	16	13	313	35.35	4,673	42	4,454	40	1,849	17	24	0	53	0	11,054
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	16	14	1,823	44.12	25,728	32	44,896	56	8,944	11	48	0	804	1	80,421
Quarter 1	16	13	844	51.90	14,872	34	23,291	53	5,325	12	23	0	291	1	43,802
Quarter 2	16	14	979	37.42	10,856	30	21,605	59	3,619	10	25	0	514	1	36,619
Quarter 3															
Quarter 4															
First Semester	16	14	1,823	44.12	25,728	32	44,896	56	8,944	11	48	0	804	1	80,421
Second Semester															

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

(Database Closed on 23/11/2021)

Country: FRANCE

Year: 2020

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)				Total Catch (Mt)		
	Licensed (Number)	Covered (Number)			(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)		Others (Mt)	(%)
Jan	11	10	215	26.82	1,953	34	3,650	63	111	2	0	0	47	1	5,760
Feb	10	10	204	28.49	2,138	37	3,397	58	141	2	1	0	139	2	5,816
Mar	10	9	170	30.54	2,066	40	2,912	56	100	2	5	0	100	2	5,182
Apr	10	9	179	21.39	1,116	29	2,489	65	66	2	0	0	159	4	3,830
May	10	10	137	17.13	713	30	1,532	65	50	2	1	0	49	2	2,345
Jun	10	10	156	39.60	5,393	87	572	9	206	3	14	0	6	0	6,191
Jul	10	9	83	33.84	1,572	56	1,007	36	212	8	1	0	0	0	2,792
Aug	10	10	193	34.16	3,092	47	3,109	47	332	5	59	1	11	0	6,604
Sep	10	10	155	42.65	2,390	36	3,888	59	325	5	15	0	3	0	6,620
Oct	10	10	165	32.28	1,664	31	3,477	65	179	3	1	0	11	0	5,331
Nov	10	10	165	29.42	1,473	30	3,192	66	165	3	0	0	17	0	4,847
Dec	10	10	134	18.84	837	33	1,593	63	76	3	5	0	9	0	2,519
Annual	10	10	1,956	29.58	24,406	42	30,819	53	1,962	3	101	0	550	1	57,839
Quarter 1	10	10	589	28.47	6,157	37	9,959	59	352	2	6	0	286	2	16,759
Quarter 2	10	10	472	26.18	7,222	58	4,593	37	322	3	15	0	214	2	12,366
Quarter 3	10	10	431	37.16	7,054	44	8,004	50	869	5	75	0	14	0	16,016
Quarter 4	10	10	464	27.39	3,973	31	8,262	65	420	3	6	0	37	0	12,697
First Semester	10	10	1,061	27.45	13,379	46	14,552	50	674	2	21	0	500	2	29,125
Second Semester	10	10	895	32.09	11,027	38	16,267	57	1,289	4	81	0	50	0	28,714

Country: FRANCE

Year: 2021

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Catches (MT)				Total Catch (Mt)		
	Licensed (Number)	Covered (Number)			(Mt)	(%)	(Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)		Others (Mt)	(%)
Jan	11	11	189	36.37	5,311	77	1,151	17	384	6	6	0	12	0	6,864
Feb	11	11	141	54.79	2,602	34	4,214	54	844	11	7	0	67	1	7,735
Mar	11	11	192	36.63	2,504	36	4,041	57	469	7	6	0	26	0	7,045
Apr	11	10	190	33.21	1,812	29	3,900	62	548	9	4	0	40	1	6,304
May	11	10	152	20.84	1,032	33	1,817	58	297	9	4	0	9	0	3,160
Jun	11	9	169	31.39	3,075	58	1,731	33	470	9	16	0	6	0	5,297
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	11	10	1,032	35.26	16,336	45	16,854	46	3,011	8	43	0	160	0	36,404
Quarter 1	11	11	522	41.44	10,417	48	9,406	43	1,697	8	19	0	105	0	21,643
Quarter 2	11	10	510	28.93	5,919	40	7,448	50	1,315	9	24	0	55	0	14,760
Quarter 3															
Quarter 4															
First Semester	11	10	1,032	35.26	16,336	45	16,854	46	3,011	8	43	0	160	0	36,404
Second Semester															

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

(Database Closed on 23/11/2021)

Country: OTHERS

Year: 2020

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Catches (MT)										Total Catch (Mt)
	Licensed (Number)	Covered (Number)			Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
Jan	6	6	115	22.53	675	26	1,805	69	114	4	1	0	4	0	2,598
Feb	6	5	108	32.59	1,043	30	2,341	66	146	4	2	0	4	0	3,535
Mar	6	6	141	28.50	1,679	42	2,172	54	150	4	0	0	5	0	4,006
Apr	6	6	156	25.34	1,259	32	2,554	65	142	4	2	0	1	0	3,957
May	6	6	121	21.02	473	19	1,961	77	62	2	1	0	53	2	2,550
Jun	6	6	132	23.55	1,978	64	977	31	143	5	7	0	1	0	3,105
Jul	6	5	77	20.29	636	41	745	48	172	11	0	0	0	0	1,554
Aug	6	6	106	25.97	864	31	1,740	63	151	5	2	0	2	0	2,760
Sep	6	5	97	35.21	1,174	34	2,043	60	202	6	0	0	1	0	3,420
Oct	6	6	141	40.22	1,684	30	3,706	65	291	5	1	0	7	0	5,688
Nov	6	6	108	30.67	906	27	2,235	67	176	5	0	0	4	0	3,320
Dec	6	6	119	25.31	1,021	34	1,798	60	194	6	3	0	0	0	3,016
Annual	6	6	1,423	27.77	13,392	34	24,076	61	1,942	5	19	0	82	0	39,510
Quarter 1	6	6	364	27.83	3,397	34	6,318	62	409	4	3	0	13	0	10,140
Quarter 2	6	6	409	23.48	3,710	39	5,491	57	346	4	10	0	55	1	9,612
Quarter 3	6	5	280	27.62	2,674	35	4,528	59	526	7	2	0	3	0	7,733
Quarter 4	6	6	369	32.60	3,611	30	7,739	64	661	5	4	0	11	0	12,025
First Semester	6	6	774	25.53	7,107	36	11,809	60	755	4	13	0	68	0	19,752
Second Semester	6	6	649	30.45	6,285	32	12,267	62	1,186	6	6	0	14	0	19,758

Country: OTHERS

Year: 2021

Month	Vessels	Vessels	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Catches (MT)										Total Catch (Mt)
	Licensed (Number)	Covered (Number)			Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
Jan	6	6	136	35.92	2,886	59	1,495	31	490	10	3	0	1	0	4,875
Feb	6	6	107	55.01	1,488	25	3,853	65	563	10	2	0	1	0	5,907
Mar	6	6	138	39.70	1,884	34	3,058	56	514	9	0	0	38	1	5,493
Apr	6	6	76	42.49	677	21	2,284	71	250	8	1	0	3	0	3,214
May	6	6	137	19.55	498	19	1,946	73	228	9	1	0	0	0	2,673
Jun	6	6	118	23.56	1,049	38	1,597	57	142	5	2	0	0	0	2,789
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	6	6	712	35.03	8,481	34	14,232	57	2,187	9	9	0	43	0	24,952
Quarter 1	6	6	381	42.67	6,258	38	8,406	52	1,567	10	5	0	40	0	16,276
Quarter 2	6	6	331	26.23	2,224	26	5,826	67	620	7	4	0	3	0	8,676
Quarter 3															
Quarter 4															
First Semester	6	6	712	35.03	8,481	34	14,232	57	2,187	9	9	0	43	0	24,952
Second Semester															

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

(Database Closed on 23/11/2021)

Country: ALL

Semester 1, Years: 2011 - 2021

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	MT/Fishing day	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2011	1616	20.65	14,783	44	15,925	48	2,637	8	20	0	0	0	33,366
2012	1400	17.25	15,466	64	6,584	27	1,839	8	247	1	5	0	24,142
2013	1313	18.02	12,948	55	8,062	34	2,523	11	47	0	67	0	23,646
2014	2115	15.49	19,118	58	10,872	33	2,673	8	62	0	21	0	32,747
2015	1497	17.68	14,405	54	9,799	37	2,171	8	43	0	58	0	26,476
2016	2658	16.72	20,198	45	21,790	49	2,343	5	79	0	17	0	44,426
2017	2109	23.43	27,978	57	16,891	34	4,285	9	205	0	46	0	49,405
2018	1517	31.03	15,927	34	28,403	60	2,686	6	8	0	38	0	47,061
2019	1416	32.48	20,319	44	20,162	44	5,297	12	93	0	130	0	46,002
2020	1894	27.44	24,145	46	25,333	49	2,369	5	41	0	81	0	51,968
2021	934	25.76	8,909	37	13,125	55	1,814	8	20	0	202	1	24,070

Country: ALL

Semester 2, Years: 2011 - 2020

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	MT/Fishing day	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2011	1136	22.79	15,719	61	8,026	31	2,110	8	40	0	0	0	25,895
2012	1696	19.71	23,569	71	7,996	24	1,858	6	7	0	0	0	33,430
2013	870	14.21	5,395	44	5,659	46	1,175	10	115	1	22	0	12,366
2014	1439	16.01	9,599	42	11,854	51	1,502	7	20	0	72	0	23,047
2015	1504	15.01	9,580	42	11,549	51	1,387	6	44	0	10	0	22,570
2016	2082	23.31	22,075	45	24,252	50	2,088	4	49	0	68	0	48,532
2017	1002	23.92	8,054	34	14,492	60	1,366	6	10	0	32	0	23,955
2018	1300	31.98	14,395	35	25,496	61	1,569	4	21	0	105	0	41,587
2019	1159	33.31	15,485	40	20,744	54	2,337	6	18	0	25	0	38,609
2020	1233	35.43	16,479	38	24,349	56	2,568	6	78	0	225	1	43,700

Country: ALL

Years: 2011 - 2020

Year	Effort		Catch Rate		Catches (MT)								Total Catch (Mt)
	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
2011	2,752	21.53	30,503	51	23,952	40	4,747	8	60	0	0	0	59,261
2012	3,096	18.60	39,036	68	14,580	25	3,697	6	254	0	5	0	57,572
2013	2,183	16.50	18,343	51	13,721	38	3,698	10	161	0	89	0	36,013
2014	3,554	15.70	28,717	51	22,726	41	4,175	7	83	0	93	0	55,794
2015	3,001	16.34	23,985	49	21,348	44	3,558	7	87	0	68	0	49,046
2016	4,740	19.61	42,273	45	46,042	50	4,431	5	127	0	85	0	92,958
2017	3,110	23.59	36,032	49	31,383	43	5,651	8	215	0	78	0	73,360
2018	2,817	31.47	30,322	34	53,899	61	4,255	5	30	0	143	0	88,649
2019	2,575	32.85	35,805	42	40,906	48	7,634	9	111	0	155	0	84,610
2020	3,127	30.59	40,624	42	49,682	52	4,936	5	119	0	306	0	95,668

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

(Database Closed on 23/11/2021)

Country: ALL

Year: 2020

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	45	44	338	26.53	2,765	31	5,908	66	280	3	1	0	10	0	8,965
Feb	44	42	135	23.88	819	25	2,279	71	121	4	3	0	1	0	3,223
Mar	44	42	508	30.35	5,558	36	9,335	60	508	3	5	0	27	0	15,434
Apr	44	43	316	19.33	2,026	33	3,837	63	209	3	2	0	25	0	6,099
May	44	44	180	16.20	926	32	1,902	65	88	3	1	0	6	0	2,923
Jun	44	43	416	36.81	12,050	79	2,072	14	1,163	8	29	0	12	0	15,325
Jul	44	39	212	27.92	3,001	51	2,330	39	558	9	1	0	21	0	5,911
Aug	44	44	306	43.64	4,745	36	7,736	58	708	5	59	0	102	1	13,349
Sep	44	43	356	47.94	6,492	38	9,494	56	968	6	15	0	74	0	17,042
Oct	44	43	165	29.46	1,388	29	3,241	67	210	4	2	0	23	0	4,864
Nov	44	42	94	16.32	511	33	946	62	74	5	0	0	1	0	1,531
Dec	44	37	101	9.88	343	34	603	60	50	5	1	0	5	1	1,002
Annual	44	42	3,127	30.59	40,624	42	49,682	52	4,936	5	119	0	306	0	95,668
Quarter 1	44	43	981	28.15	9,143	33	17,522	63	909	3	9	0	39	0	27,621
Quarter 2	44	43	912	26.69	15,001	62	7,812	32	1,460	6	32	0	42	0	24,347
Quarter 3	44	42	873	41.58	14,238	39	19,560	54	2,233	6	75	0	196	1	36,302
Quarter 4	44	41	360	20.53	2,242	30	4,790	65	334	5	3	0	29	0	7,398
First Semester	44	43	1,894	27.44	24,145	46	25,333	49	2,369	5	41	0	81	0	51,968
Second Semester	44	41	1,233	35.43	16,479	38	24,349	56	2,568	6	78	0	225	1	43,700

Country: ALL

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate		Catches (MT)									Total Catch (Mt)
				(MT/Fishing day)	Yellowfin (Mt) (%)	Skipjack (Mt) (%)	Bigeye (Mt) (%)	Albacore (Mt) (%)	Others (Mt) (%)						
Jan	45	42	70	10.74	218	29	478	63	59	8	0	0	0	0	754
Feb	46	43	82	19.46	662	42	779	49	144	9	3	0	1	0	1,589
Mar	46	45	299	32.18	3,884	40	4,914	51	758	8	8	0	61	1	9,625
Apr	46	43	217	30.92	1,819	27	4,467	66	405	6	5	0	24	0	6,720
May	46	42	115	21.25	1,313	54	938	38	165	7	0	0	20	1	2,437
Jun	46	41	151	19.46	1,014	34	1,548	53	283	10	4	0	95	3	2,944
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	46	43	934	25.76	8,909	37	13,125	55	1,814	8	20	0	202	1	24,070
Quarter 1	46	43	451	26.54	4,763	40	6,171	52	961	8	11	0	62	1	11,969
Quarter 2	46	42	483	25.04	4,146	34	6,953	57	853	7	9	0	140	1	12,101
Quarter 3															
Quarter 4															
First Semester	46	43	934	25.76	8,909	37	13,125	55	1,814	8	20	0	202	1	24,070
Second Semester															

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

(Database Closed on 23/11/2021)

Country: SEYCHELLES

Year: 2020

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	13	13	155	27.94	1,223	28	2,951	68	160	4	0	0	1	0	4,336
Feb	13	13	82	27.89	610	27	1,576	69	89	4	1	0	1	0	2,276
Mar	13	13	163	29.64	1,482	31	3,154	65	182	4	0	0	16	0	4,835
Apr	13	13	104	15.38	394	25	1,124	70	65	4	0	0	20	1	1,602
May	13	13	35	9.67	111	33	216	63	12	4	0	0	1	0	340
Jun	13	12	80	19.70	928	59	442	28	197	13	2	0	6	0	1,574
Jul	13	13	52	18.21	314	34	549	59	70	7	0	0	5	1	938
Aug	13	13	83	32.42	606	22	1,933	72	154	6	0	0	10	0	2,703
Sep	13	13	108	47.74	1,930	37	2,918	57	293	6	0	0	10	0	5,151
Oct	13	12	36	23.69	219	25	585	68	57	7	1	0	0	0	863
Nov	13	11	29	8.10	96	41	124	53	12	5	0	0	0	0	232
Dec	13	8	33	11.56	97	26	254	67	26	7	0	0	3	1	381
Annual	13	12	960	26.28	8,012	32	15,824	63	1,318	5	4	0	72	0	25,230
Quarter 1	13	13	400	28.62	3,315	29	7,681	67	431	4	1	0	18	0	11,446
Quarter 2	13	13	219	16.04	1,433	41	1,781	51	274	8	2	0	27	1	3,516
Quarter 3	13	13	243	36.21	2,851	32	5,400	61	517	6	0	0	24	0	8,792
Quarter 4	13	10	98	15.05	412	28	963	65	96	6	1	0	4	0	1,476
First Semester	13	13	619	24.17	4,749	32	9,461	63	705	5	3	0	44	0	14,962
Second Semester	13	12	341	30.13	3,263	32	6,363	62	613	6	1	0	28	0	10,268

Country: SEYCHELLES

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	13	13	45	15.34	204	29	435	63	54	8	0	0	0	0	693
Feb	13	13	47	15.84	193	26	487	66	54	7	1	0	1	0	737
Mar	13	13	82	33.05	683	25	1,769	65	213	8	1	0	43	2	2,709
Apr	13	13	57	25.63	317	22	1,048	72	91	6	0	0	2	0	1,457
May	13	12	34	18.93	396	61	203	31	45	7	0	0	1	0	645
Jun	13	13	46	18.59	231	27	461	53	101	12	1	0	70	8	863
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	13	13	311	22.84	2,024	28	4,402	62	557	8	3	0	117	2	7,104
Quarter 1	13	13	174	23.83	1,081	26	2,691	65	321	8	2	0	44	1	4,139
Quarter 2	13	13	137	21.59	944	32	1,711	58	236	8	1	0	73	2	2,965
Quarter 3															
Quarter 4															
First Semester	13	13	311	22.84	2,024	28	4,402	62	557	8	3	0	117	2	7,104
Second Semester															

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

(Database Closed on 23/11/2021)

Country: SPAIN

Year: 2020

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	15	15	41	16.44	288	42	368	54	22	3	0	0	0	0	678
Feb	15	14	12	0.00	0	0	0	0	0	0	0	0	0	0	0
Mar	15	14	139	33.51	1,319	28	3,158	68	168	4	0	0	1	0	4,647
Apr	15	15	101	23.99	781	32	1,557	64	88	4	0	0	4	0	2,430
May	15	15	54	18.63	301	30	660	66	36	4	0	0	0	0	997
Jun	15	15	110	48.37	4,096	77	555	10	642	12	6	0	3	0	5,302
Jul	15	12	69	31.56	804	37	1,183	54	183	8	0	0	15	1	2,185
Aug	15	15	97	53.48	1,309	25	3,548	68	259	5	0	0	87	2	5,203
Sep	15	15	99	55.80	1,909	34	3,226	58	348	6	0	0	62	1	5,545
Oct	15	15	48	37.69	504	28	1,194	67	77	4	0	0	21	1	1,795
Nov	15	15	25	14.29	89	25	252	71	16	4	0	0	0	0	356
Dec	15	13	31	7.25	71	32	143	64	10	4	0	0	0	0	224
Annual	15	14	825	35.58	11,471	39	15,843	54	1,849	6	6	0	193	1	29,362
Quarter 1	15	14	192	27.79	1,607	30	3,526	66	191	4	0	0	1	0	5,325
Quarter 2	15	15	264	33.01	5,178	59	2,771	32	767	9	6	0	7	0	8,729
Quarter 3	15	14	266	48.64	4,022	31	7,958	62	790	6	0	0	164	1	12,933
Quarter 4	15	14	103	22.97	664	28	1,588	67	102	4	0	0	21	1	2,375
First Semester	15	15	456	30.82	6,785	48	6,297	45	957	7	6	0	8	0	14,054
Second Semester	15	14	369	41.45	4,686	31	9,546	62	892	6	0	0	185	1	15,308

Country: SPAIN

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate		Catches (MT)									Total Catch (Mt)
				(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	
Jan	15	14	14	4.30	13	22	43	71	5	7	0	0	0	0	61
Feb	16	13	11	38.99	270	64	84	20	64	15	0	0	0	0	419
Mar	16	15	74	25.36	630	33	1,049	56	196	10	5	0	5	0	1,886
Apr	16	14	64	30.59	547	28	1,260	65	136	7	1	0	4	0	1,948
May	16	11	48	25.29	752	62	352	29	83	7	0	0	17	1	1,204
Jun	16	13	55	18.90	442	43	433	42	139	13	0	0	25	2	1,040
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	16	13	266	24.69	2,655	40	3,222	49	624	10	6	0	51	1	6,558
Quarter 1	16	14	99	23.82	914	39	1,176	50	265	11	5	0	5	0	2,366
Quarter 2	16	13	166	25.21	1,741	42	2,045	49	359	9	1	0	46	1	4,192
Quarter 3															
Quarter 4															
First Semester	16	13	266	24.69	2,655	40	3,222	49	624	10	6	0	51	1	6,558
Second Semester															

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

(Database Closed on 23/11/2021)

Country: FRANCE

Year: 2020

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	11	10	76	31.26	801	34	1,518	64	40	2	0	0	6	0	2,364
Feb	10	10	13	0.00	0	0	0	0	0	0	0	0	0	0	0
Mar	10	9	114	28.63	1,459	45	1,733	53	73	2	5	0	5	0	3,276
Apr	10	9	61	16.63	461	45	538	53	15	1	0	0	0	0	1,014
May	10	10	58	17.77	380	37	628	61	18	2	1	0	5	0	1,032
Jun	10	10	122	46.41	5,099	90	338	6	188	3	14	0	2	0	5,642
Jul	10	9	53	39.55	1,434	68	481	23	183	9	1	0	0	0	2,099
Aug	10	10	112	43.76	2,687	55	1,878	38	256	5	59	1	4	0	4,885
Sep	10	10	100	43.84	1,763	40	2,400	55	213	5	15	0	2	0	4,392
Oct	10	10	43	24.79	385	36	649	61	26	2	0	0	1	0	1,060
Nov	10	10	17	13.26	106	46	122	53	3	1	0	0	0	0	232
Dec	10	10	28	10.67	144	48	148	49	7	2	1	0	2	1	302
Annual	10	10	797	33.01	14,719	56	10,433	40	1,023	4	96	0	27	0	26,298
Quarter 1	10	10	203	27.83	2,260	40	3,251	58	113	2	5	0	11	0	5,640
Quarter 2	10	10	241	31.95	5,940	77	1,505	20	222	3	15	0	7	0	7,689
Quarter 3	10	10	265	42.95	5,884	52	4,759	42	652	6	75	1	6	0	11,375
Quarter 4	10	10	89	18.00	635	40	919	58	36	2	1	0	3	0	1,594
First Semester	10	10	443	30.07	8,200	62	4,755	36	335	3	20	0	18	0	13,329
Second Semester	10	10	353	36.70	6,519	50	5,677	44	688	5	76	1	9	0	12,969

Country: FRANCE

Year: 2021

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	11	11	8	0.00	0	0	0	0	0	0	0	0	0	0	0
Feb	11	11	12	27.72	144	43	173	51	18	5	2	1	1	0	338
Mar	11	11	85	34.76	1,443	49	1,316	45	172	6	2	0	9	0	2,943
Apr	11	10	73	35.70	777	30	1,676	64	139	5	3	0	17	1	2,611
May	11	10	15	17.74	106	40	137	51	22	8	0	0	3	1	267
Jun	11	9	19	22.45	250	59	143	34	29	7	2	0	0	0	424
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	11	10	212	31.10	2,720	41	3,445	52	380	6	9	0	30	0	6,583
Quarter 1	11	11	105	31.37	1,587	48	1,489	45	190	6	4	0	10	0	3,281
Quarter 2	11	10	107	30.84	1,132	34	1,956	59	190	6	5	0	19	1	3,302
Quarter 3															
Quarter 4															
First Semester	11	10	212	31.10	2,720	41	3,445	52	380	6	9	0	30	0	6,583
Second Semester															

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

(Database Closed on 23/11/2021)

Country: OTHERS

Year: 2020

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	6	6	66	24.12	453	29	1,072	68	58	4	1	0	3	0	1,587
Feb	6	5	29	32.57	210	22	703	74	32	3	2	0	0	0	947
Mar	6	6	92	29.01	1,297	48	1,290	48	84	3	0	0	5	0	2,677
Apr	6	6	49	21.44	390	37	619	59	41	4	2	0	0	0	1,052
May	6	6	34	16.41	134	24	398	72	21	4	0	0	0	0	554
Jun	6	6	105	26.68	1,926	69	737	26	136	5	7	0	1	0	2,806
Jul	6	5	38	18.19	448	65	117	17	123	18	0	0	0	0	689
Aug	6	6	14	41.02	143	26	376	67	39	7	0	0	1	0	558
Sep	6	5	48	40.67	890	46	950	49	113	6	0	0	1	0	1,955
Oct	6	6	38	29.92	280	24	813	71	51	4	1	0	2	0	1,147
Nov	6	6	23	31.25	220	31	448	63	43	6	0	0	0	0	711
Dec	6	6	9	10.26	30	32	59	61	7	7	0	0	0	0	95
Annual	6	6	545	27.11	6,422	43	7,582	51	747	5	13	0	14	0	14,778
Quarter 1	6	6	187	27.84	1,960	38	3,064	59	174	3	3	0	9	0	5,211
Quarter 2	6	6	188	23.47	2,450	56	1,755	40	198	4	9	0	1	0	4,413
Quarter 3	6	5	100	32.17	1,481	46	1,444	45	275	9	0	0	2	0	3,201
Quarter 4	6	6	70	27.75	531	27	1,319	68	100	5	1	0	2	0	1,953
First Semester	6	6	375	25.65	4,411	46	4,819	50	372	4	12	0	10	0	9,623
Second Semester	6	6	170	30.34	2,012	39	2,763	54	375	7	1	0	4	0	5,154

Country: OTHERS

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	6	6	3	0.00	0	0	0	0	0	0	0	0	0	0	0
Feb	6	6	12	7.84	54	56	35	36	7	8	0	0	0	0	96
Mar	6	6	58	35.92	1,127	54	780	37	178	9	0	0	3	0	2,088
Apr	6	6	24	29.72	179	25	483	69	39	6	1	0	1	0	703
May	6	6	18	17.89	60	19	246	77	15	5	0	0	0	0	321
Jun	6	6	31	19.90	91	15	512	83	14	2	1	0	0	0	617
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual	6	6	146	26.19	1,510	39	2,056	54	253	7	2	0	4	0	3,825
Quarter 1	6	6	73	29.74	1,181	54	815	37	185	8	0	0	3	0	2,184
Quarter 2	6	6	73	22.60	329	20	1,241	76	68	4	2	0	1	0	1,642
Quarter 3															
Quarter 4															
First Semester	6	6	146	26.19	1,510	39	2,056	54	253	7	2	0	4	0	3,825
Second Semester															

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

(Database Closed on 23/11/2021)

Country: SEYCHELLES

Year: 2020

Area	Quarter	Effort		Catch Rate		Catches Yellowfin		Skipjack		Bigeye		Albacore		Others		Total (Mt)	Cumulative Total (Mt)
		Days Fished	MT/Fishing day	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)				
SYC EEZ	1	400	28.62	3,315	29	7,681	67	431	4	1	0	18	0.2	11,446	11,446		
	2	219	16.04	1,433	41	1,781	51	274	8	2	0	27	0.8	3,516	14,962		
	3	243	36.21	2,851	32	5,400	61	517	6	0	0	24	0.3	8,792	23,754		
	4	98	15.05	412	28	963	65	96	6	1	0	4	0.2	1,476	25,230		
SYC EEZ Total		960	26.28	8,012	32	15,824	63	1,318	5	4	0	72	0	25,230			
Foreign EEZ	1	295	48.44	3,794	27	9,533	67	926	6	0	0	30	0.2	14,283	14,283		
	2	209	45.72	2,486	26	6,453	67	633	7	0	0	4	0.0	9,575	23,859		
	3	19	4.06	14	19	56	75	5	7	0	0	0	0.0	75	23,934		
	4	22	3.04	11	16	52	78	3	5	0	0	0	0.3	66	24,000		
Foreign EEZ Total		545	44.06	6,305	26	16,094	67	1,567	7	0	0	34	0	24,000			
High Seas	1	226	30.57	1,970	29	4,669	68	252	4	1	0	16	0.2	6,908	6,908		
	2	402	19.26	1,422	18	6,018	78	209	3	1	0	83	1.1	7,733	14,641		
	3	583	42.71	5,689	23	17,839	72	1,290	5	1	0	95	0.4	24,913	39,554		
	4	506	46.33	7,104	30	15,042	64	1,257	5	1	0	43	0.2	23,446	63,000		
High Seas Total		1,717	36.69	16,185	26	43,567	69	3,008	5	4	0	236	0	63,000			
WIO Total	1	921	35.45	9,080	28	21,883	67	1,609	5	2	0	63	0	32,637	32,637		
	2	830	25.09	5,341	26	14,252	68	1,116	5	3	0	113	1	20,825	53,462		
	3	845	40.00	8,553	25	23,295	69	1,812	5	1	0	119	0	33,780	87,242		
	4	626	39.92	7,527	22	16,057	48	1,356	4	2	0	47	0	24,989	112,231		
Grand Total		3,221	34.84	30,502	27	75,486	67	5,893	5	8	0	342	0	112,231			

Country: SEYCHELLES

Year: 2021

Area	Quarter	Effort		Catch Rate		Catches Yellowfin		Skipjack		Bigeye		Albacore		Others		Total (Mt)	Cumulative Total (Mt)
		Days Fished	MT/Fishing day	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)				
SYC EEZ	1	174	23.83	1,081	26	2,691	65	321	8	2	0	44	1.1	4,139	4,139		
	2	137	21.59	944	32	1,711	58	236	8	1	0	73	2.5	2,965	7,104		
	3														7,104		
	4														7,104		
SYC EEZ Total		311	22.84	2,024	28	4,402	62	557	8	3	0	117	2	7,104			
Foreign EEZ	1	201	38.30	1,715	22	5,390	70	576	7	0	0	0	0.0	7,681	7,681		
	2	231	42.75	2,149	22	7,011	71	703	7	0	0	15	0.1	9,878	17,559		
	3													17,559			
	4													17,559			
Foreign EEZ Total		432	40.68	3,864	22	12,402	71	1,279	7	0	0	15	0	17,559			
High Seas	1	542	41.38	6,753	30	13,272	59	2,348	10	2	0	67	0.3	22,442	22,442		
	2	448	31.75	4,129	29	8,894	63	1,095	8	10	0	90	0.6	14,219	36,661		
	3													36,661			
	4													36,661			
High Seas Total		990	37.02	10,883	30	22,166	60	3,443	9	12	0	157	0	36,661			
WIO Total	1	917	37.38	9,549	29	21,353	65	3,245	10	4	0	111	0	34,263	34,263		
	2	816	33.16	7,222	35	17,617	85	2,034	10	11	0	178	1	27,062	61,324		
	3																
	4																
Grand Total		1,733	35.39	16,770	15	38,971	35	5,279	5	15	0	289	0	61,324			

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

(Database Closed on 23/11/2021)

Country: ALL

Year: 2020

Quarter	Flag	Effort - Days Fished			Total Catch		
		Seychelles EEZ	Foreign EEZ	High Seas	Seychelles EEZ	Foreign EEZ	High Seas
1	Seychelles	43%	32%	25%	35%	44%	21%
	Spain	20%	1%	80%	18%	1%	81%
	France	34%	5%	61%	34%	5%	62%
	Others	51%	1%	48%	51%	0%	49%
Quarter 1 Total		34%	12%	54%	31%	17%	52%
2	Seychelles	26%	25%	48%	17%	46%	37%
	Spain	24%	1%	75%	27%	0%	73%
	France	51%	2%	47%	62%	1%	37%
	Others	46%	1%	53%	46%	0%	54%
Quarter 2 Total		33%	8%	59%	32%	13%	55%
3	Seychelles	29%	2%	69%	26%	0%	74%
	Spain	29%	3%	68%	31%	0%	69%
	France	61%	5%	34%	71%	1%	28%
	Others	36%	6%	59%	41%	2%	57%
Quarter 3 Total		35%	3%	61%	37%	0%	63%
4	Seychelles	16%	3%	81%	6%	0%	94%
	Spain	11%	2%	87%	6%	0%	94%
	France	19%	1%	80%	13%	1%	87%
	Others	19%	3%	78%	16%	0%	84%
Quarter 4 Total		15%	2%	83%	8%	0%	92%
Semester 1		33%	10%	57%	32%	15%	53%
Semester 2		25%	3%	72%	23%	0%	77%
Year Total		30%	7%	64%	27%	7%	66%

Country: ALL

Year: 2021

Quarter	Flag	Effort - Days Fished			Total Catch		
		Seychelles EEZ	Foreign EEZ	High Seas	Seychelles EEZ	Foreign EEZ	High Seas
1	Seychelles	19%	22%	59%	12%	22%	66%
	Spain	12%	1%	87%	6%	0%	94%
	France	20%	3%	77%	15%	0%	85%
	Others	19%	2%	78%	14%	0%	86%
Quarter 1 Total		17%	9%	74%	10%	7%	83%
2	Seychelles	17%	28%	55%	11%	37%	53%
	Spain	18%	1%	82%	12%	1%	87%
	France	21%	1%	79%	23%	0%	77%
	Others	20%	0%	80%	15%	0%	84%
Quarter 2 Total		18%	10%	72%	14%	12%	74%
3							
Quarter 3 Total							
4							
Quarter 4 Total							
Semester 1		18%	9%	73%	12%	9%	79%
Semester 2							
Year Total		18%	9%	73%	12%	9%	79%

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

(Database Closed on 23/11/2021)

Country: ALL Area: WIO Years: 2011 - 2021

School Type	Species	Catch(MT)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Free School	YFT	34,431	65,283	34,461	46,270	62,075	47,714	46,797	14,228	30,852	19,436	26,818
	SKJ	9,456	3,794	5,464	6,495	7,558	7,627	6,250	5,304	25,427	5,236	6,432
	BET	6,107	7,404	4,207	5,840	9,638	2,666	10,054	2,134	5,659	1,597	5,046
	ALB	663	1,147	449	340	415	326	392	16	90	103	61
	OTH	0	32	4	24	56	10	5	2	38	11	20
	Free School Total	50,657	77,659	44,584	58,969	79,741	58,343	63,498	21,684	62,067	26,383	38,376
FAD Associated School	YFT	76,031	65,659	100,764	80,485	73,651	98,936	91,138	122,643	96,381	91,107	40,063
	SKJ	117,518	78,320	111,287	122,601	120,497	174,236	191,342	262,886	218,295	217,497	108,061
	BET	13,735	9,585	20,539	15,393	15,379	19,762	19,549	20,598	18,363	15,046	14,200
	ALB	81	59	50	181	121	95	80	87	67	32	55
	OTH	28	18	202	147	133	274	1,023	1,876	1,016	2,470	1,276
	FAD Associated School Total	207,394	153,641	232,842	218,807	209,781	293,303	303,132	408,091	334,123	326,153	163,655
Unidentified School	YFT	111	115	137	45	71	113	35	3,401	1,674	209	434
	SKJ	176	49	302	9	88	161	87	6,126	8,408	870	460
	BET	23	6	14	4	22	8	5	529	138	59	175
	ALB	0	0	0	3	0	0	1	0	0	0	0
	OTH	0	6	0	0	0	0	0	1	46	0	1
	Unidentified School Total	311	176	452	61	181	282	127	10,057	10,266	1,138	1,070
Total WIO Catch	YFT	110,574	131,057	135,361	126,800	135,797	146,763	137,970	140,273	128,907	110,752	67,316
	SKJ	127,150	82,163	117,053	129,105	128,143	182,024	197,680	274,315	252,131	223,603	114,953
	BET	19,864	16,995	24,760	21,236	25,039	22,435	29,608	23,261	24,160	16,702	19,421
	ALB	744	1,206	499	524	537	421	472	103	157	135	115
	OTH	28	56	206	172	188	284	1,027	1,879	1,100	2,481	1,296
		Total WIO	258,361	231,477	277,879	277,837	289,704	351,927	366,757	439,831	406,455	353,675

* Data for first semester only

Country: ALL Area: WIO Years: 2011 - 2021

School Type	Species	Catch(%)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Free School	YFT	68%	84%	77%	78%	78%	82%	74%	66%	50%	74%	70%
	SKJ	19%	5%	12%	11%	9%	13%	10%	24%	41%	20%	17%
	BET	12%	10%	9%	10%	12%	5%	16%	10%	9%	6%	13%
	ALB	1%	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
FAD Associated School	YFT	37%	43%	43%	37%	35%	34%	30%	30%	29%	28%	24%
	SKJ	57%	51%	48%	56%	57%	59%	63%	64%	65%	67%	66%
	BET	7%	6%	9%	7%	7%	7%	6%	5%	5%	5%	9%
	ALB	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Unidentified School	YFT	36%	65%	30%	73%	39%	40%	27%	34%	16%	18%	41%
	SKJ	57%	28%	67%	15%	49%	57%	68%	61%	82%	76%	43%
	BET	7%	3%	3%	7%	12%	3%	4%	5%	1%	5%	16%
	ALB	0%	0%	0%	5%	0%	0%	1%	0%	0%	0%	0%
	OTH	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Total WIO	Free School	20%	34%	16%	21%	28%	17%	17%	5%	15%	7%	19%
	FAD Associated School	80%	66%	84%	79%	72%	83%	83%	93%	82%	92%	81%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	2%	3%	0%	1%

* Data for first semester only

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

(Database Closed on 23/11/2021)

Country: ALL Area: SYC EEZ Years: 2011 - 2021

School Type	Species	Catch(MT)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Free School	YFT	17,352	28,264	7,225	14,758	13,993	21,467	18,966	3,303	15,134	16,934	3,714
	SKJ	1,719	636	670	1,263	1,813	3,172	1,671	458	5,617	3,040	943
	BET	1,969	2,004	784	1,783	1,410	818	2,823	434	3,552	1,302	513
	ALB	48	251	157	51	47	75	195	4	86	99	10
	OTH	0	0	0	0	41	6	1	1	7	10	0
	Free School Total	21,088	31,155	8,836	17,854	17,305	25,540	23,657	4,201	24,397	21,385	5,180
FAD Associated School	YFT	13,145	10,771	11,068	13,959	9,988	20,777	17,042	26,668	20,447	23,625	5,132
	SKJ	22,100	13,945	12,962	21,464	19,534	42,837	29,657	52,340	34,481	46,486	12,142
	BET	2,777	1,693	2,910	2,392	2,147	3,610	2,824	3,765	4,057	3,632	1,268
	ALB	12	4	4	31	40	52	20	25	24	20	10
	OTH	0	5	89	93	27	79	77	142	139	296	202
	FAD Associated School Total	38,034	26,417	27,033	37,939	31,736	67,354	49,620	82,940	59,149	74,059	18,754
Unidentified School	YFT	6	0	50	0	4	29	23	351	224	65	63
	SKJ	132	0	88	0	2	32	55	1,101	808	157	39
	BET	1	0	5	0	0	3	3	56	25	2	33
	ALB	0	0	0	0	0	0	1	0	0	0	0
	OTH	0	0	0	0	0	0	0	0	8	0	0
	Unidentified School Total	139	0	143	0	6	64	83	1,507	1,065	224	135
Total EEZ Catch	YFT	30,503	39,036	18,343	28,717	23,985	42,273	36,032	30,322	35,805	40,624	8,909
	SKJ	23,952	14,580	13,721	22,726	21,348	46,042	31,383	53,899	40,906	49,682	13,125
	BET	4,747	3,697	3,698	4,175	3,558	4,431	5,651	4,255	7,634	4,936	1,814
	ALB	60	254	161	83	87	127	215	30	111	119	20
	OTH	0	5	89	93	68	85	78	143	155	306	202
		Total	59,261	57,572	36,013	55,794	49,046	92,958	73,360	88,649	84,610	95,668

* Data for first semester only

Country: ALL Area: SYC EEZ Years: 2011 - 2021

School Type	Species	Catch(%)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Free School	YFT	82%	91%	82%	83%	81%	84%	80%	79%	62%	79%	72%
	SKJ	8%	2%	8%	7%	10%	12%	7%	11%	23%	14%	18%
	BET	9%	6%	9%	10%	8%	3%	12%	10%	15%	6%	10%
	ALB	0%	1%	2%	0%	0%	0%	1%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
FAD Associated School	YFT	35%	41%	41%	37%	31%	31%	34%	32%	35%	32%	27%
	SKJ	58%	53%	48%	57%	62%	64%	60%	63%	58%	63%	65%
	BET	7%	6%	11%	6%	7%	5%	6%	5%	7%	5%	7%
	ALB	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Unidentified School	YFT	4%	0%	35%	0%	65%	46%	28%	23%	21%	29%	47%
	SKJ	95%	0%	62%	0%	33%	51%	66%	73%	76%	70%	29%
	BET	1%	0%	3%	0%	2%	4%	4%	4%	2%	1%	24%
	ALB	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
	100%	0%	100%	0%	100%	100%	100%	100%	100%	100%	100%	100%
Total EEZ	Free School	36%	54%	25%	32%	35%	27%	32%	5%	29%	22%	22%
	FAD Associated School	64%	46%	75%	68%	65%	72%	68%	94%	70%	77%	78%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	1%

* Data for first semester only

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

(Database Closed on 23/11/2021)

Country: ALL

Area: WIO

Years: 2011 - 2021

Agreement	School Type	Catch(MT)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
National	Free School	10,786	14,109	7,171	8,035	21,622	9,185	18,557	3,665	7,002	2,797	5,199
	FAD associated School	52,291	36,829	49,883	52,220	67,108	99,169	103,566	119,544	97,623	109,383	56,126
	Unidentified School	135	0	270	0	10	260	79	102	7,996	51	0
National Total	All Schools	63,212	50,938	57,324	60,255	88,740	108,613	122,202	123,310	112,621	112,231	61,324
European Community	Free School	31,778	48,006	29,026	41,457	50,974	36,242	37,847	10,687	38,933	17,697	26,148
	FAD associated School	136,727	100,616	157,687	150,783	127,946	172,239	178,662	261,898	210,930	188,576	93,318
	Unidentified School	34	176	133	61	172	22	26	9,955	2,219	1,064	939
European Community Total	All Schools	168,539	148,798	186,845	192,301	179,091	208,503	216,535	282,540	252,082	207,338	120,405
Others	Free School	8,093	15,545	8,388	9,476	7,145	12,916	7,093	7,332	16,132	5,889	7,029
	FAD associated School	18,376	16,196	25,272	15,804	14,727	21,895	20,905	26,649	25,570	28,194	14,211
	Unidentified School	142	0	49	0	0	0	22	0	50	23	131
Others Total	All Schools	26,610	31,740	33,710	25,280	21,873	34,811	28,020	33,981	41,753	34,106	21,372
Grand Total		258,361	231,477	277,879	277,837	289,704	351,927	366,757	439,831	406,455	353,675	203,101

* Data for first semester only

Agreement	School Type	Catch(%)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
National	Free School	17%	28%	13%	13%	24%	8%	15%	3%	6%	2%	8%
	FAD associated School	83%	72%	87%	87%	76%	91%	85%	97%	87%	97%	92%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%
National Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
European Community	Free School	19%	32%	16%	22%	28%	17%	17%	4%	15%	9%	22%
	FAD associated School	81%	68%	84%	78%	71%	83%	83%	93%	84%	91%	78%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	4%	1%	1%	1%
European Community Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Others	Free School	30%	49%	25%	37%	33%	37%	25%	22%	39%	17%	33%
	FAD associated School	69%	51%	75%	63%	67%	63%	75%	78%	61%	83%	66%
	Unidentified School	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
Others Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

* Data for first semester only

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

(Database Closed on 23/11/2021)

Country: ALL

Area: SYC EEZ

Years: 2011 - 2021

Agreement	School Type	Catch(MT)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
National	Free School	4,135	5,661	1,014	1,001	3,028	3,194	4,940	357	3,204	2,173	603
	FAD associated School	8,918	4,585	5,457	6,574	8,617	17,946	10,575	24,444	14,007	23,006	6,501
	Unidentified School	135	0	21	0	6	47	57	10	877	51	0
National Total	All Schools	13,187	10,246	6,492	7,575	11,650	21,187	15,572	24,812	18,088	25,230	7,104
European Community	Free School	13,764	18,047	6,064	14,726	12,271	16,494	15,950	2,566	14,764	14,639	3,443
	FAD associated School	26,253	17,250	16,540	27,908	20,235	43,937	33,610	51,864	38,515	43,172	10,304
	Unidentified School	4	0	113	0	0	17	26	1,497	188	162	130
European Community Total	All Schools	40,021	35,298	22,717	42,633	32,506	60,448	49,586	55,927	53,467	57,973	13,877
Others	Free School	3,189	7,446	1,758	2,128	2,006	5,851	2,767	1,277	6,429	4,573	1,134
	FAD associated School	2,864	4,583	5,036	3,457	2,884	5,472	5,435	6,632	6,627	7,882	1,949
	Unidentified School	0	0	9	0	0	0	0	0	0	10	5
Others Total	All Schools	6,053	12,029	6,804	5,586	4,890	11,323	8,202	7,910	13,056	12,465	3,088
Grand Total		59,261	57,572	36,013	55,794	49,046	92,958	73,360	88,649	84,610	95,668	24,070

* Data for first semester only

Agreement	School Type	Catch(%)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
National	Free School	31%	55%	16%	13%	26%	15%	32%	1%	18%	9%	8%
	Seychelles	68%	45%	84%	87%	74%	85%	68%	99%	77%	91%	92%
	Unidentified School	1%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%
National Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
European Community	Free School	34%	51%	27%	35%	38%	27%	32%	5%	28%	25%	25%
	FAD associated School	66%	49%	73%	65%	62%	73%	68%	93%	72%	74%	74%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	1%
European Community Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Others	Free School	53%	62%	26%	38%	41%	52%	34%	16%	49%	37%	37%
	FAD associated School	47%	38%	74%	62%	59%	48%	66%	84%	51%	63%	63%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Others Total		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

* Data for first semester only

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

(Database Closed on 23/11/2021)

Area: SEYCHELLES EEZ

Year: 2020

Access Regime	Quarter	Effort		Catch Rate		Catches Yellowfin		Skipjack		Bigeye		Albacore		Others		Total (Mt)	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)				
National	1	400	28.62	3,315	29	7,681	67	431	4	1	0	18	0.2	11,446	11,446		
	2	219	16.04	1,433	41	1,781	51	274	8	2	0	27	0.8	3,516	14,962		
	3	243	36.21	2,851	32	5,400	61	517	6	0	0	24	0.3	8,792	23,754		
	4	98	15.05	412	28	963	65	96	6	1	0	4	0.2	1,476	25,230		
National Total		960	26.28	8,012	32	15,824	63	1,318	5	4	0	72	0	25,230			
EC Agreement	1	418	27.60	4,099	36	7,092	61	326	3	5	0	12	0.1	11,533	11,533		
	2	557	31.06	11,639	67	4,582	26	1,035	6	23	0	15	0.1	17,292	28,826		
	3	554	45.40	10,379	41	13,037	52	1,495	6	75	0	170	0.7	25,156	53,982		
	4	200	19.93	1,313	33	2,513	63	139	3	1	0	24	0.6	3,991	57,973		
EC Agreement Total		1,729	33.53	27,430	47	27,224	47	2,995	5	104	0	221	0	57,973			
Others	1	164	28.38	1,729	37	2,749	59	152	3	3	0	9	0.2	4,642	4,642		
	2	136	25.95	1,930	55	1,449	41	151	4	7	0	1	0.0	3,538	8,180		
	3	76	30.89	1,007	43	1,123	48	222	9	0	0	2	0.1	2,354	10,534		
	4	62	31.13	516	27	1,313	68	99	5	1	0	2	0.1	1,931	12,465		
Others Total		438	28.45	5,182	42	6,634	53	624	5	11	0	13	0	12,465			
All Agreements	1	981	28.15	9,143	33	17,522	63	909	3	9	0	39	0	27,621	27,621		
	2	912	26.69	15,001	62	7,812	32	1,460	6	32	0	42	0	24,347	51,968		
	3	873	41.58	14,238	39	19,560	54	2,233	6	75	0	196	1	36,302	88,270		
	4	360	20.53	2,242	30	4,790	65	334	5	3	0	29	0	7,398	95,668		
Grand Total		3,127	30.59	40,624	42	49,682	52	4,936	5	119	0	306	0	95,668			

EC Agreement: Include: Seychelles

Other Agreement: Includes Korea and Mauritius

Area: SEYCHELLES EEZ

Year: 2021

Access Regime	Quarter	Effort		Catch Rate		Catches Yellowfin		Skipjack		Bigeye		Albacore		Others		Total (Mt)	Cummulative Total (Mt)
		Days Fished	MT/Fishing day	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)				
National	1	174	23.83	1,081	26	2,691	65	321	8	2	0	44	1.1	4,139	4,139		
	2	137	21.59	944	32	1,711	58	236	8	1	0	73	2.5	2,965	7,104		
	3														7,104		
	4														7,104		
National Total		311	22.84	2,024	28	4,402	62	557	8	3	0	117	2	7,104			
EC Agreement	1	220	27.83	2,814	46	2,793	46	501	8	9	0	15	0.3	6,133	6,133		
	2	286	27.04	2,933	38	4,177	54	563	7	6	0	65	0.8	7,744	13,877		
	3													13,877			
	4													13,877			
EC Agreement Total		507	27.38	5,747	41	6,970	50	1,065	8	15	0	81	1	13,877			
Others	1	57	29.78	869	51	687	41	138	8	0	0	3	0.2	1,697	1,697		
	2	60	23.36	269	19	1,065	77	54	4	2	0	1	0.1	1,391	3,088		
	3													3,088			
	4													3,088			
Others Total		117	26.50	1,138	37	1,753	57	192	6	2	0	4	0	3,088			
All Agreements	1	451	26.54	4,763	17	6,171	22	961	3	11	0	62	0	11,969	11,969		
	2	483	25.04	4,146	17	6,953	29	853	4	9	0	140	1	12,101	24,070		
	3																
	4																
Grand Total		934	25.76	8,909	37	13,125	55	1,814	8	20	0	202	1	24,070			

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 23/11/2021)

Country: ALL

Semester 1, Years: 2011 - 2021

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	MADAGASCAR	MAURICE	MOMBASA	SOUTH KOREA		
2011	89,174	20,174	13,454	1,040		123,843	72%
2012	92,675	19,595	13,000	2,937		128,207	72%
2013	94,013	19,955	8,951			122,919	76%
2014	114,826	3,023	9,390	3,971		131,211	88%
2015	127,488	7,679	3,093	3,241		141,501	90%
2016	141,230	3,335	2,285			146,851	96%
2017	176,720	6,558	1,879			185,157	95%
2018	216,243	1,483	6,018			223,744	97%
2019	197,439	1,365	3,296			202,100	98%
2020	157,072	4,643	2,171			163,887	96%
2021	193,268	5,301	3,538			202,107	96%

Country: ALL

Semester 2, Years: 2011 - 2020

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	MADAGASCAR	MAURICE	MOMBASA	SOUTH KOREA		
2011	124,988		9,606	409		135,003	93%
2012	94,065	1,001	8,844	3,340		107,251	88%
2013	139,561	4,287	9,297	1,527		154,672	90%
2014	130,948	1,514	7,368	1,507		141,338	93%
2015	141,361	175	2,981			144,517	98%
2016	187,068		3,171			190,238	98%
2017	165,152	1,301	3,336			169,789	97%
2018	207,674		1,189			208,863	99%
2019	192,207	13,776	743			206,726	93%
2020	178,002	5,049	3,971	1,810	553	189,385	94%

Country: ALL

Years: 2011 - 2021

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	MADAGASCAR	MAURICE	MOMBASA	SOUTH KOREA		
2011	214,163	20,174	23,061	1,449		258,846	83%
2012	186,740	20,597	21,844	6,277		235,458	79%
2013	233,574	24,242	18,247	1,527		277,591	84%
2014	245,774	4,538	16,758	5,479		272,549	90%
2015	268,849	7,855	6,074	3,241		286,019	94%
2016	328,298	3,335	5,456			337,089	97%
2017	341,872	7,859	5,215			354,946	96%
2018	423,917	1,483	7,207			432,607	98%
2019	389,646	15,141	4,039			408,825	95%
2020	335,074	9,692	6,142	1,810	553	353,271	95%

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

(Database Closed on 23/11/2021)

Port: VICTORIA, SEYCHELLES

Year: 2020

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	5,961	11,630	1,725		1,540	20,856	145	21,001	22,010	95%
Feb	7,175	17,172	1,415		2,967	28,730	311	29,040	31,929	91%
Mar	8,848	17,016	1,852		4,277	31,993	203	32,196	33,464	96%
Apr	5,315	10,716	1,132	3	4,001	21,165	72	21,237	21,237	100%
May	5,872	14,130	1,319	1	5,168	26,491	301	26,792	27,671	97%
Jun	8,732	12,837	1,862	18	3,141	26,591	215	26,806	27,575	97%
Jul	12,380	4,642	2,351	5	961	20,339	82	20,421	21,394	95%
Aug	6,318	13,366	2,096		4,551	26,331	114	26,446	26,697	99%
Sep	12,393	22,070	2,364	53	4,211	41,092	104	41,196	44,069	93%
Oct	10,766	22,124	2,356	16	11,371	46,633	138	46,772	51,595	91%
Nov	8,254	18,588	2,711	0	4,483	34,036	164	34,201	36,663	93%
Dec	1,703	2,971	581		3,637	8,892	75	8,967	8,967	100%
Annual	93,717	167,262	21,765	97	50,309	333,149	1,925	335,074	353,271	95%
Quarter 1	21,984	45,817	4,992	0	8,785	81,578	659	82,237	87,404	94%
Quarter 2	19,919	37,683	4,313	22	12,310	74,247	588	74,835	76,482	98%
Quarter 3	31,090	40,079	6,811	59	9,723	87,762	300	88,062	92,160	96%
Quarter 4	20,723	43,683	5,648	16	19,491	89,561	378	89,940	97,225	93%
First Semester	41,903	83,500	9,305	22	21,095	155,825	1,247	157,072	163,887	96%
Second Semester	51,814	83,761	12,459	75	29,214	177,323	679	178,002	189,385	94%

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

Port: VICTORIA, SEYCHELLES

Year: 2021

Month	Catches landed/transhipped (Mt)					Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transshipment in All Ports* (Mt)	% of Total Landing & Transshipment
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)					
Jan	11,682	10,689	2,731	12	4,588	29,701	132	29,833	30,334	98%
Feb	13,503	19,066	3,651	2	4,984	41,206	274	41,480	43,968	94%
Mar	8,253	19,261	3,329	0	4,495	35,338	174	35,512	38,467	92%
Apr	6,344	19,475	2,159		3,572	31,550	386	31,936	34,446	93%
May	5,170	17,418	1,307	6	2,553	26,454	199	26,653	26,958	99%
Jun	9,016	13,451	2,955	10	2,316	27,747	107	27,855	27,934	100%
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
Annual	53,967	99,361	16,132	29	22,508	191,997	1,272	193,268	202,107	96%
Quarter 1	33,437	49,016	9,711	14	14,067	106,245	580	106,825	112,769	95%
Quarter 2	20,530	50,345	6,421	16	8,441	85,752	692	86,444	89,339	97%
Quarter 3										
Quarter 4										
First Semester	53,967	99,361	16,132	29	22,508	191,997	1,272	193,268	202,107	96%
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 Madagascar

(Database Closed on 23/11/2021)

Port: MADAGASCAR

Year: 2020

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	99	204	6			309		309	22,010	1%
Feb	498	1,540	149			2,187	0	2,187	31,929	7%
Mar	313	825	130			1,268	0	1,268	33,464	4%
Apr						0		0	21,237	0%
May	205	510	164			878		878	27,671	3%
Jun						0		0	27,575	0%
Jul						0		0	21,394	0%
Aug						0		0	26,697	0%
Sep	701	1,220	128	0		2,050		2,050	44,069	5%
Oct	518	994	106			1,618		1,618	51,595	3%
Nov	328	959	94			1,381		1,381	36,663	4%
Dec						0		0	8,967	0%
Annual Total	2,662	6,252	777	0	0	9,691	1	9,692	353,271	3%
Quarter 1	910	2,569	285	0	0	3,764	1	3,765	87,404	4%
Quarter 2	205	510	164	0	0	878	0	878	76,482	1%
Quarter 3	701	1,220	128	0	0	2,050	0	2,050	92,160	2%
Quarter 4	847	1,953	200	0	0	2,999	0	2,999	97,225	3%
First Semester	1,115	3,078	449	0	0	4,642	1	4,643	163,887	3%
Second Semester	1,547	3,173	328	0	0	5,049	0	5,049	189,385	3%

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

Port: MADAGASCAR

Year: 2021

Month	Catches (Mt)					Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transhipment in All Ports* (Mt)	% of Total Landing & Transhipment*
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)					
Jan						0		0	30,334	0%
Feb	339	1,098	115			1,552		1,552	43,968	4%
Mar	655	1,395	274			2,324		2,324	38,467	6%
Apr	407	944	74			1,425		1,425	34,446	4%
May						0		0	26,958	0%
Jun						0		0	27,934	0%
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
Annual Total	1,400	3,438	463	0	0	5,301	0	5,301	202,107	3%
Quarter 1	994	2,493	389	0	0	3,876	0	3,876	112,769	3%
Quarter 2	407	944	74	0	0	1,425	0	1,425	89,339	2%
Quarter 3										
Quarter 4										
First Semester	1,400	3,438	463	0	0	5,301	0	5,301	202,107	3%
Second Semester										

* 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 23/11/2021)

Port: PORT LOUIS, MAURITIUS

Year: 2020

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	178	463	51			692	8	700	22,010	3%
Feb	242	345	89	0		677	25	702	31,929	2%
Mar						0		0	33,464	0%
Apr						0		0	21,237	0%
May						0		0	27,671	0%
Jun	299	434	14		18	764	5	769	27,575	3%
Jul	601	9	43	2		655	16	671	21,394	3%
Aug						0		0	26,697	0%
Sep	488	233	93	0		814	10	824	44,069	2%
Oct	548	658	164			1,371	24	1,395	51,595	3%
Nov					1,081	1,081		1,081	36,663	3%
Dec						0		0	8,967	0%
Annual Total	2,356	2,143	453	2	1,099	6,053	89	6,142	353,271	2%
Quarter 1	420	809	140	0	0	1,369	33	1,402	87,404	2%
Quarter 2	299	434	14	0	18	764	5	769	76,482	1%
Quarter 3	1,089	242	135	2	0	1,468	27	1,495	92,160	2%
Quarter 4	548	658	164	0	1,081	2,452	24	2,476	97,225	3%
First Semester	719	1,242	154	0	18	2,133	38	2,171	163,887	1%
Second Semester	1,637	901	300	2	1,081	3,920	51	3,971	189,385	2%

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

Port: PORT LOUIS, MAURITIUS

Year: 2021

Month	Catches (Mt)					Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transhipment in All Ports* (Mt)	% of Total Landing & Transhipment*
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)					
Jan	92	343	44			480	21	501	30,334	2%
Feb	432	446	55			934	2	936	43,968	2%
Mar	143	388	95		1	626	5	631	38,467	2%
Apr	201	809	75			1,085		1,085	34,446	3%
May	9	10	1			20	285	305	26,958	1%
Jun	76		4			80		80	27,934	0%
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
Annual Total	954	1,996	274	0	1	3,225	313	3,538	202,107	2%
Quarter 1	668	1,177	194	0	1	2,040	28	2,068	112,769	2%
Quarter 2	286	819	80	0	0	1,186	285	1,471	89,339	2%
Quarter 3										
Quarter 4										
First Semester	954	1,996	274	0	1	3,225	313	3,538	202,107	2%
Second Semester										

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

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

(Database Closed on 23/11/2021)

Port: OTHERS**

Year: 2020

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	22,010	0%
Feb						0		0	31,929	0%
Mar						0		0	33,464	0%
Apr						0		0	21,237	0%
May						0		0	27,671	0%
Jun						0		0	27,575	0%
Jul	266	35	1			302		302	21,394	1%
Aug	8	244	0			252		252	26,697	1%
Sep						0		0	44,069	0%
Oct					1,810	1,810		1,810	51,595	4%
Nov						0		0	36,663	0%
Dec						0		0	8,967	0%
Annual Total	274	279	1	0	1,810	2,364	0	2,364	353,271	1%
Quarter 1	0	0	0	0	0	0	0	0	87,404	0%
Quarter 2	0	0	0	0	0	0	0	0	76,482	0%
Quarter 3	274	279	1	0	0	554	0	554	92,160	1%
Quarter 4	0	0	0	0	1,810	1,810	0	1,810	97,225	2%
First Semester	0	0	0	0	0	0	0	0	163,887	0%
Second Semester	274	279	1	0	1,810	2,364	0	2,364	189,385	1%

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

**OTHERS include Mombassa and South Korea

Port: OTHERS**

Year: 2021

Month	Catches (Mt)					Total (Mt)	Discards (Mt)	Total + Discards (Mt)	Total Landing & Transhipment in All Ports* (Mt)	% of Total Landing & Transhipment*
	Yellowfin (Mt)	Skipjack (Mt)	Bigeye (Mt)	Albacore (Mt)	Mix Species (Mt)					
Jan									30,334	0%
Feb									43,968	0%
Mar									38,467	0%
Apr									34,446	0%
May									26,958	0%
Jun									27,934	0%
Jul										
Aug										
Sep										
Oct										
Nov										
Dec										
Annual Total	0	0	0	0	0	0	0	0	202,107	0%
Quarter 1	0	0	0	0	0	0	0	0	112,769	0%
Quarter 2	0	0	0	0	0	0	0	0	89,339	0%
Quarter 3										
Quarter 4										
First Semester	0	0	0	0	0	0	0	0	202,107	0%
Second Semester										

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

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

(Database Closed on 23/11/2021)

Port: Victoria, Seychelles

Year: 2020

Month	Landing by Flag					Transhipment by Flag					Landing + Transhipment by Flag				
	Seychelles	Spain	France	Others	Grand Total	Seychelles	Spain	France	Others	Grand Total	Seychelles	Spain	France	Others	Grand Total
Jan	246	253	1,735	778	3,012	5,372	6,770	2,492	3,355	17,988	5,618	7,023	4,227	4,133	21,001
Feb	1,105	612	1,996	331	4,044	9,179	11,735	1,838	2,245	24,996	10,284	12,346	3,834	2,576	29,040
Mar	324	608	2,698	1,238	4,868	11,105	8,671	3,277	4,275	27,328	11,429	9,279	5,976	5,513	32,196
Apr	2,536	1,553	1,762	112	5,962	5,543	5,397	2,070	2,265	15,275	8,079	6,950	3,831	2,377	21,237
May	2,267	1,316	2,304	590	6,477	5,293	10,948	2,376	1,698	20,315	7,560	12,264	4,680	2,288	26,792
Jun	1,716	827	2,438	791	5,772	4,878	11,523	2,127	2,506	21,034	6,594	12,351	4,565	3,297	26,806
Jul	508	1,350	1,726	505	4,090	3,041	8,080	2,718	2,493	16,331	3,549	9,430	4,444	2,998	20,421
Aug	1,434	915	1,474	588	4,411	8,862	11,921	640	611	22,035	10,297	12,836	2,114	1,199	26,446
Sep	2,146	689	1,079	446	4,360	13,105	16,423	4,356	2,953	36,836	15,250	17,112	5,435	3,399	41,196
Oct	1,070	1,110	2,036	588	4,805	13,817	20,642	4,097	3,412	41,967	14,887	21,752	6,133	4,000	46,772
Nov	1,603	876	2,513	705	5,699	7,317	13,260	3,561	4,364	28,502	8,920	14,136	6,075	5,069	34,201
Dec	16	539	1,147	11	1,713	2,135	2,545	965	1,609	7,254	2,151	3,084	2,112	1,620	8,967
Annual Total	14,972	10,649	22,908	6,684	55,213	89,646	127,914	30,517	31,785	279,861	104,617	138,562	53,425	38,469	335,074
Quarter 1	1,675	1,473	6,428	2,347	11,925	25,656	27,175	7,607	9,875	70,313	27,331	28,648	14,036	12,222	82,237
Quarter 2	6,519	3,696	6,503	1,493	18,211	15,714	27,869	6,572	6,469	56,624	22,232	31,564	13,076	7,962	74,835
Quarter 3	4,088	2,954	4,279	1,539	12,860	25,008	36,424	7,714	6,056	75,202	29,096	39,377	11,993	7,595	88,062
Quarter 4	2,689	2,526	5,697	1,304	12,217	23,269	36,446	8,623	9,385	77,723	25,958	38,973	14,320	10,689	89,940
Semester 1	8,194	5,169	12,932	3,841	30,136	41,369	55,044	14,180	16,344	126,936	49,564	60,213	27,112	20,185	157,072
Semester 2	6,778	5,480	9,977	2,843	25,077	48,276	72,870	16,337	15,441	152,925	55,054	78,350	26,314	18,284	178,002

Port: Victoria, Seychelles

Year: 2021

Month	Landing by Flag					Transhipment by Flag					Landing + Transhipment by Flag				
	Seychelles	Spain	France	Others	Grand Total	Seychelles	Spain	France	Others	Grand Total	Seychelles	Spain	France	Others	Grand Total
Jan	40	1,189	2,615	881	4,726	4,980	12,223	3,279	4,625	25,107	5,021	13,412	5,894	5,506	29,833
Feb	689	776	1,492	735	3,692	13,796	13,956	5,901	4,135	37,788	14,485	14,733	7,393	4,870	41,480
Mar	441	864	3,341	1,094	5,740	7,018	15,900	3,217	3,637	29,772	7,460	16,763	6,558	4,731	35,512
Apr	2,176	217	1,429	2,795	6,617	8,209	11,977	2,824	2,309	25,319	10,385	12,194	4,253	5,104	31,936
May	2,721	0	2,030	0	4,751	8,213	10,731	1,931	1,026	21,902	10,934	10,731	3,961	1,026	26,653
Jun	1,455	375	2,072	1,363	5,265	6,583	11,573	1,898	2,536	22,589	8,038	11,948	3,970	3,899	27,855
Jul															
Aug															
Sep															
Oct															
Nov															
Dec															
Annual Total	7,523	3,421	12,978	6,869	30,791	48,799	76,360	19,050	18,268	162,477	56,322	79,781	32,028	25,137	193,268
Quarter 1	1,171	2,829	7,447	2,710	14,158	25,794	42,079	12,397	12,397	92,667	26,965	44,908	19,844	15,107	106,825
Quarter 2	6,352	592	5,531	4,159	16,633	23,005	34,282	6,653	5,871	69,810	29,357	34,873	12,184	10,030	86,444
Quarter 3															
Quarter 4															
Semester 1	7,523	3,421	12,978	6,869	30,791	48,799	76,360	19,050	18,268	162,477	56,322	79,781	32,028	25,137	193,268
Semester 2															

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

(Database Closed on 23/11/2021)

Port: VICTORIA, SEYCHELLES

Year: 2020

	Destination	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8kg)	(1.8kg - 3.4kg)	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)			
Landing (Mt)	Local Company	Quarter 1													0
		Quarter 2													0
		Quarter 3													0
		Quarter 4													0
	Local Company Total														0
IOT	Quarter 1	2,320	3,151	215	229	2,765	1,198	88	253	18	12		1,017	11,266	
	Quarter 2	2,116	4,566	1,338	346	2,555	2,781	1,064	167	39	244	10	2,397	17,623	
	Quarter 3	1,279	3,227	1,410	703	1,123	2,172	548	453	152	18	44	1,435	12,564	
	Quarter 4	1,696	1,991	520	1,408	1,493	2,470	252	356	66	502	11	1,074	11,838	
IOT Landing Total		7,410	12,935	3,483	2,686	7,937	8,621	1,951	1,229	275	776	66	5,923	53,291	
Landing Total		7,410	12,935	3,483	2,686	7,937	8,621	1,951	1,229	275	776	66	5,923	53,291	
Transshipment (Mt)	Container	Quarter 1	4,425	3,332	5,013	709	11,039	4,392	14,146	1,434	358	1,821		7,434	54,103
		Quarter 2	3,429	4,026	2,803	1,271	5,985	3,826	12,112	1,175	156	2,109	11	8,434	45,336
		Quarter 3	3,965	6,879	9,551	902	4,274	6,709	11,835	1,511	620	2,809	14	6,975	56,043
		Quarter 4	2,742	5,738	3,137	3,823	6,902	6,287	7,185	1,129	893	1,221	6	13,360	52,423
	Container Total		14,561	19,976	20,504	6,705	28,199	21,213	45,278	5,248	2,026	7,960	31	36,204	207,905
	Reefer	Quarter 1	1,863	377	1,288	176	4,230	2,896	3,950	326	2	769		334	16,210
		Quarter 2	1,315	18	308	882	2,657	2,455	1,750	374	16	34		1,479	11,288
		Quarter 3	1,626	1,748	1,407	1,964	3,597	3,461	2,791	517	334	397	0	1,313	19,156
		Quarter 4	1,726	1,111	2,063	1,509	3,488	2,131	6,734	577	248	657		5,056	25,300
Reefer Total		6,529	3,253	5,065	4,531	13,973	10,943	15,225	1,794	600	1,857	0	8,182	71,953	
Transshipment Total		21,090	23,229	25,569	11,236	42,172	32,156	60,504	7,042	2,626	9,817	31	44,386	279,858	
Total (Mt)	Quarter 1	8,608	6,860	6,516	1,113	18,034	8,486	18,184	2,012	377	2,602	0	8,785	81,578	
	Quarter 2	6,860	8,611	4,449	2,499	11,198	9,061	14,925	1,716	211	2,386	22	12,310	74,247	
	Quarter 3	6,869	11,854	12,368	3,569	8,993	12,342	15,174	2,481	1,106	3,224	59	9,723	87,762	
	Quarter 4	6,164	8,840	5,719	6,740	11,883	10,888	14,171	2,062	1,207	2,380	16	19,491	89,561	
Year Total		28,501	36,165	29,052	13,922	50,108	40,777	62,455	8,271	2,901	10,593	97	50,309	333,149	

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

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

Port: VICTORIA, SEYCHELLES

Year: 2021

	Destination	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8kg)	1.8kg - 3.4kg	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)			
Landing (Mt)	Local Company	Quarter 1													0
		Quarter 2													0
		Quarter 3													0
		Quarter 4													0
	Local Company Total														0
IOT	Quarter 1	1,997	2,733	26	1,018	2,178	1,653	98	1,085	85	51	0	2,655	13,578	
	Quarter 2	2,039	2,787	91	647	6,918	1,990	119	739	220	7	10	374	15,941	
	Quarter 3														
	Quarter 4														
IOT Landing Total		4,036	5,520	117	1,665	9,096	3,643	216	1,825	305	58	10	3,029	29,519	
Landing Total		4,036	5,520	117	1,665	9,096	3,643	216	1,825	305	58	10	3,029	29,519	
Transshipment (Mt)	Container	Quarter 1	2,704	11,617	7,310	1,238	6,600	3,194	15,675	1,898	1,176	3,396	3	10,005	64,815
		Quarter 2	1,602	5,078	5,694	2,134	9,975	2,085	13,700	1,113	726	2,410	6	7,485	52,008
		Quarter 3													
		Quarter 4													
	Container Total		4,306	16,695	13,004	3,372	16,575	5,279	29,375	3,011	1,902	5,806	9	17,490	116,822
Reefer	Quarter 1	1,713	3,906	1,430	2,129	6,981	4,206	4,047	1,145	486	390	11	1,408	27,852	
	Quarter 2	1,768	818	654	846	6,700	2,177	3,054	777	270	157		582	17,803	
	Quarter 3														
	Quarter 4														
Reefer Total		3,481	4,724	2,083	2,975	13,682	6,382	7,101	1,922	756	547	11	1,990	45,655	
Transshipment Total		7,787	21,419	15,087	6,347	30,257	11,661	36,475	4,933	2,658	6,354	20	19,479	162,477	
Total (Mt)	Quarter 1	6,414	18,256	8,766	4,385	15,759	9,052	19,820	4,128	1,746	3,837	14	14,067	106,245	
	Quarter 2	5,409	8,683	6,438	3,627	23,594	6,252	16,872	2,630	1,216	2,575	16	8,441	85,752	
	Quarter 3														
	Quarter 4														
Year Total		11,823	26,939	15,204	8,013	39,353	15,304	36,692	6,758	2,963	6,412	29	22,508	191,997	

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

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

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

(Database Closed on 23/11/2021)

Port: VICTORIA, SEYCHELLES

Year: 2020

	Access Regime	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Total (Mt)	Cummulative Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8)	(1.8kg - 3.4kg)	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)				
Landing	National	Quarter 1	299	602	14	1	422	122	88	34	0	0			1,583	1,583
		Quarter 2	442	1,633	741	225	1,380	1,301	579	46	4	30	1		6,382	7,965
		Quarter 3	526	912	2	569	541	751	454	192	31	1			3,978	11,943
		Quarter 4	429	814	121	500	315	333	64	35	17	8		7	2,642	14,585
	National Total		1,697	3,961	877	1,295	2,658	2,508	1,185	307	51	39	1	7	14,585	
	EU Agreement	Quarter 1	1,939	1,536	202	227	2,270	1,016		212	15	12		1,017	8,446	8,446
		Quarter 2	1,626	2,284	598	114	1,106	1,404	485	120	28	213	6	2,397	10,379	18,825
		Quarter 3	732	2,194	1,408	133	576	1,358	94	259	118	17	44	1,435	8,368	27,194
		Quarter 4	1,029	1,162	399	813	1,081	1,890	188	294	48	494	11	1,067	8,475	35,669
	EU Agreement Total		5,326	7,175	2,606	1,287	5,033	5,667	766	886	209	737	61	5,916	35,669	
	Others	Quarter 1	81	1,012		0	73	60		7	3				1,237	1,237
		Quarter 2	47	650		7	70	75		1	8		4		862	2,099
		Quarter 3	21	121		2	5	64		2	3				217	2,316
		Quarter 4	238	16		95	97	247		26	1				721	3,037
	Others Total		388	1,799		104	246	446		36	14		4		3,037	
	All Agreements	Quarter 1	2,320	3,151	215	229	2,765	1,198	88	253	18	12	0	1,017	11,266	11,266
		Quarter 2	2,116	4,566	1,338	346	2,555	2,781	1,064	167	39	244	10	2,397	17,623	28,889
		Quarter 3	1,279	3,227	1,410	703	1,123	2,172	548	453	152	18	44	1,435	12,564	41,453
		Quarter 4	1,696	1,991	520	1,408	1,493	2,470	252	356	66	502	11	1,074	11,838	53,291
	Landing Total		7,410	12,935	3,483	2,686	7,937	8,621	1,951	1,229	275	776	66	5,923	53,291	
Transshipment	National	Quarter 1	3,371	1,889	903	410	8,019	4,793	4,242	1,138	173	716		2	25,656	25,656
		Quarter 2	2,420	787	73	918	5,805	3,678	488	1,261	68	217		0	15,714	41,369
		Quarter 3	4,191	2,416	272	2,542	5,415	7,259	559	1,450	586	308		6	25,004	66,373
		Quarter 4	1,907	2,491	927	4,125	4,344	4,470	2,126	973	566	1,231		108	23,269	89,642
	National Total		11,889	7,583	2,175	7,995	23,582	20,200	7,415	4,822	1,392	2,472		116	89,642	
	EU Agreement	Quarter 1	1,661	1,395	5,398	364	5,453	1,590	12,841	381	173	1,874		4,424	35,554	35,554
		Quarter 2	1,170	2,674	3,038	825	2,091	1,902	13,090	240	96	1,926	11	7,377	34,441	69,995
		Quarter 3	792	4,028	10,686	181	1,856	1,980	14,067	359	242	2,898	14	7,035	44,138	114,132
		Quarter 4	1,730	3,768	4,272	857	3,861	2,533	11,793	520	479	647	6	14,756	45,223	159,356
	EU Agreement Total		5,354	11,865	23,394	2,228	13,261	8,005	51,792	1,500	989	7,345	31	33,592	159,356	
	Others	Quarter 1	1,256	425		110	1,798	905	1,013	240	14			3,342	9,103	9,103
		Quarter 2	1,153	583		410	746	701	284	47	8			2,537	6,469	15,572
		Quarter 3	608	2,183		142	600	931		219	127			1,247	6,056	21,629
		Quarter 4	831	590		349	2,185	1,414		213	97			3,552	9,231	30,860
	Others Total		3,848	3,780		1,013	5,328	3,952	1,297	720	245			10,677	30,860	
	All Agreements	Quarter 1	6,288	3,709	6,301	885	15,269	7,288	18,096	1,759	359	2,590	0	7,767	70,313	70,313
		Quarter 2	4,744	4,044	3,111	2,153	8,642	6,280	13,862	1,549	172	2,143	11	9,914	56,624	126,936
		Quarter 3	5,591	8,626	10,958	2,866	7,870	10,170	14,626	2,028	954	3,206	14	8,288	75,198	202,135
		Quarter 4	4,468	6,849	5,199	5,332	10,390	8,418	13,919	1,706	1,141	1,878	6	18,417	77,723	279,858
	Transshipment Total		21,090	23,229	25,569	11,236	42,172	32,156	60,504	7,042	2,626	9,817	31	44,386	279,858	
Year Total		28,501	36,165	29,052	13,922	50,108	40,777	62,455	8,271	2,901	10,593	97	50,309	333,149		

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

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

Port: VICTORIA, SEYCHELLES

Year: 2021

	Access Regime	Quarter	Yellowfin			Skipjack				Bigeye			Albacore	Mix Species	Total (Mt)	Cumulative Total (Mt)
			(-10kg)	(+10kg)	(Mix)	(-1.8)	(1.8kg - 3.4kg)	(+3.4kg)	(Mix)	(-10kg)	(+10kg)	(Mix)				
Landing	National	Quarter 1	128	135		16	499	50		49	1				879	879
		Quarter 2	889	525		305	3,299	726		297	25				6,066	6,945
		Quarter 3														
		Quarter 4														
	National Total		1,017	661		320	3,798	776		347	26				6,945	
	EU Agreement	Quarter 1	1,559	2,353	26	971	1,346	1,315	98	915	71	51	0	2,655	11,361	11,361
		Quarter 2	883	1,773	91	278	2,926	801	119	323	192	7	10	374	7,776	19,137
		Quarter 3														
		Quarter 4														
	EU Agreement Total		2,442	4,127	117	1,249	4,272	2,116	216	1,238	263	58	10	3,029	19,137	
	Others	Quarter 1	310	244		31	333	288		121	12				1,338	1,338
		Quarter 2	267	489		65	693	463		119	3				2,099	3,437
		Quarter 3														
		Quarter 4														
Others Total		577	733		96	1,026	750		240	16				3,437		
All Agreements	Quarter 1	1,997	2,733	26	1,018	2,178	1,653	98	1,085	85	51	0	2,655	13,578	13,578	
	Quarter 2	2,039	2,787	91	647	6,918	1,990	119	739	220	7	10	374	15,941	29,519	
	Quarter 3															
	Quarter 4															
Landing Total		4,036	5,520	117	1,665	9,096	3,643	216	1,825	305	58	10	3,029	29,519		
Transshipment	National	Quarter 1	1,608	4,717	589	2,465	7,646	4,095	1,856	1,768	671	380			25,794	25,794
		Quarter 2	2,324	2,312	312	1,493	10,625	3,088	1,024	1,159	442	220	6		23,005	48,799
		Quarter 3														
		Quarter 4														
	National Total		3,933	7,029	901	3,958	18,272	7,183	2,879	2,926	1,113	600	6		48,799	
	EU Agreement	Quarter 1	1,995	7,440	8,151	645	4,195	2,398	17,866	760	797	3,407	14	7,996	55,663	55,663
		Quarter 2	850	2,841	5,519	1,361	5,232	994	14,614	611	542	2,347		6,025	40,934	96,598
		Quarter 3														
		Quarter 4														
	EU Agreement Total		2,844	10,281	13,670	2,006	9,426	3,392	32,481	1,370	1,339	5,754	14	14,021	96,598	
	Others	Quarter 1	815	3,366		257	1,740	906		515	193			3,417	11,209	11,209
		Quarter 2	196	743	516	127	819	180	1,115	121	13			2,042	5,871	17,080
		Quarter 3														
		Quarter 4														
Others Total		1,010	4,109	516	383	2,559	1,086	1,115	636	206			5,459	17,080		
All Agreements	Quarter 1	4,418	15,523	8,740	3,367	13,581	7,399	19,722	3,042	1,662	3,786	14	11,413	92,667	92,667	
	Quarter 2	3,370	5,896	6,347	2,980	16,676	4,262	16,753	1,891	996	2,567	6	8,067	69,810	162,477	
	Quarter 3															
	Quarter 4															
Transshipment Total		7,787	21,419	15,087	6,347	30,257	11,661	36,475	4,933	2,658	6,354	20	19,479	162,477		
Year Total		11,823	26,939	15,204	8,013	39,353	15,304	36,692	6,758	2,963	6,412	29	22,508	191,997		

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.

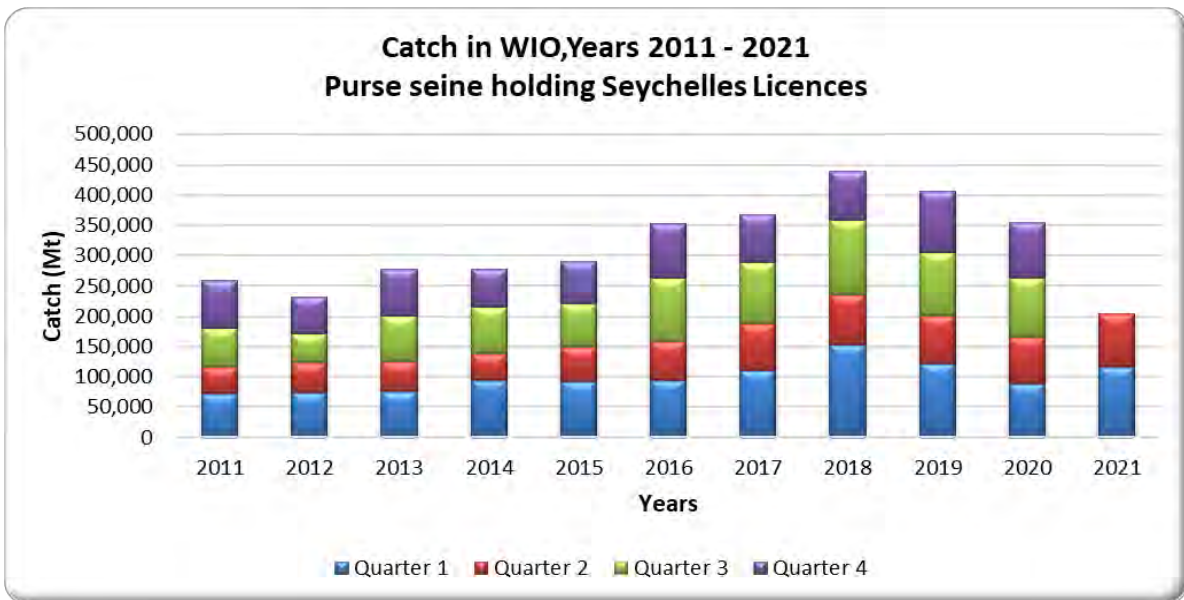


Figure 1A: Purse Seine total catch in the WIO by Year, 2011 - 2021



Figure 1B: Purse Seine fishing effort in the WIO by Year, 2011 - 2021

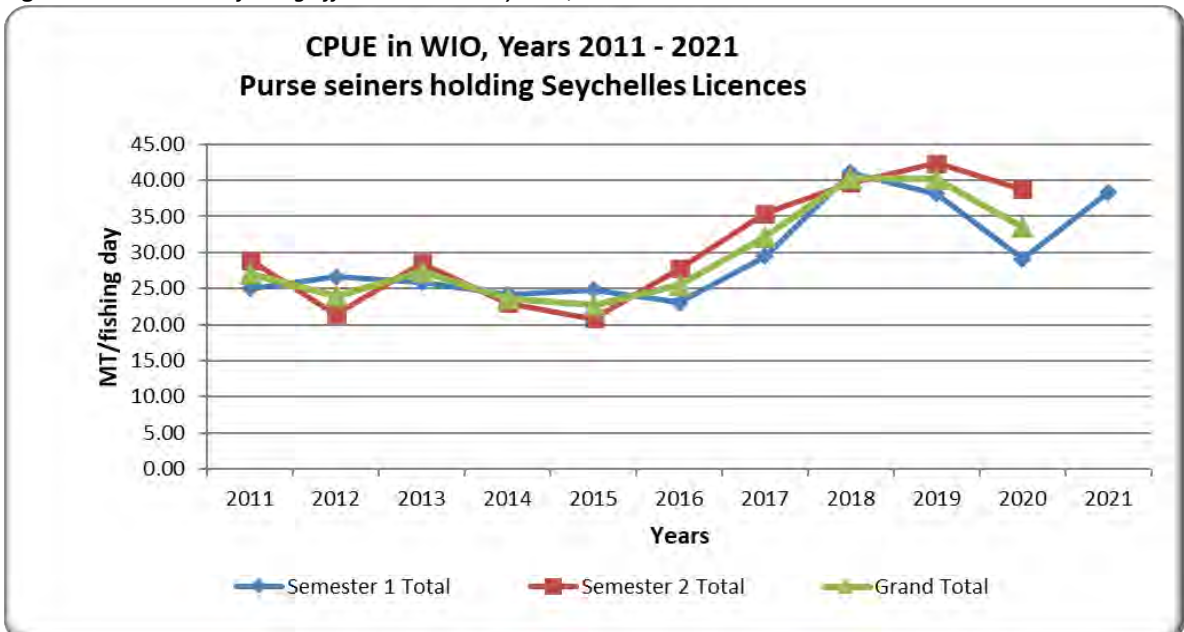


Figure 1C: Purse Seine CPUE in the WIO by Year, 2011 - 2021

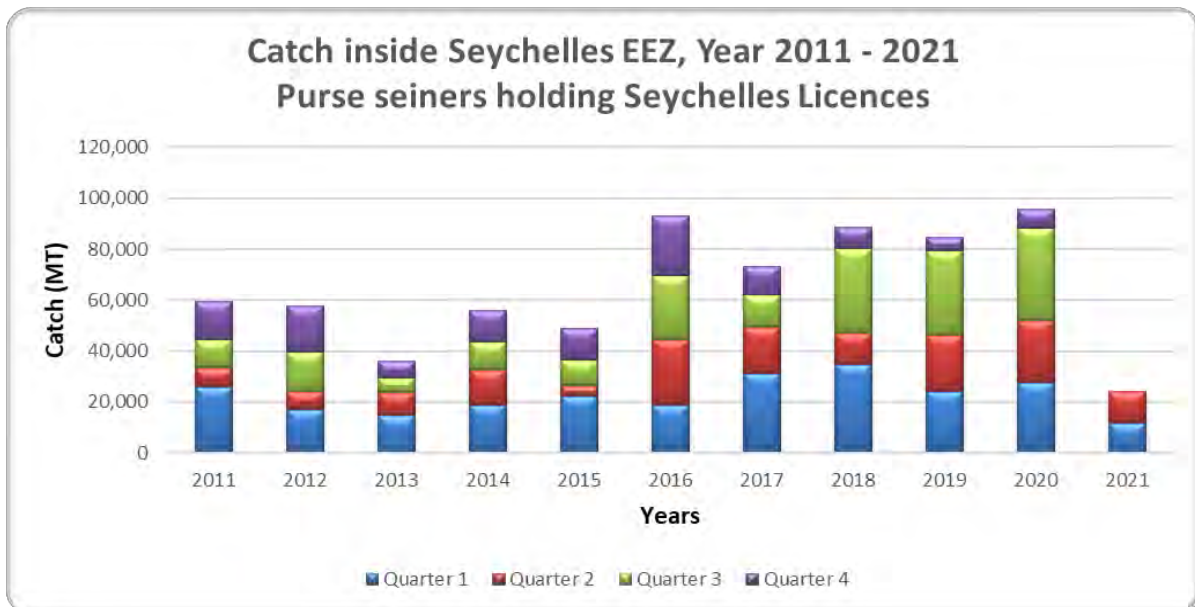


Figure 1D: Purse Seine total catch in the Seychelles EEZ by Year, 2011 - 2021

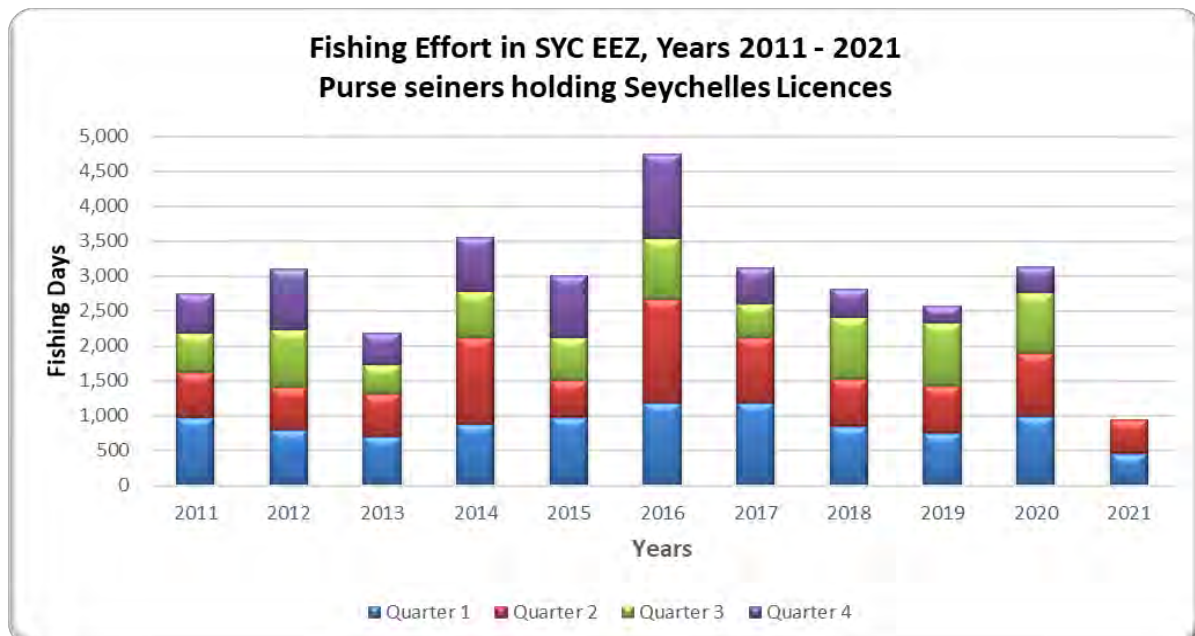


Figure 1E: Purse Seine fishing effort in the Seychelles EEZ by Year, 2011 - 2021

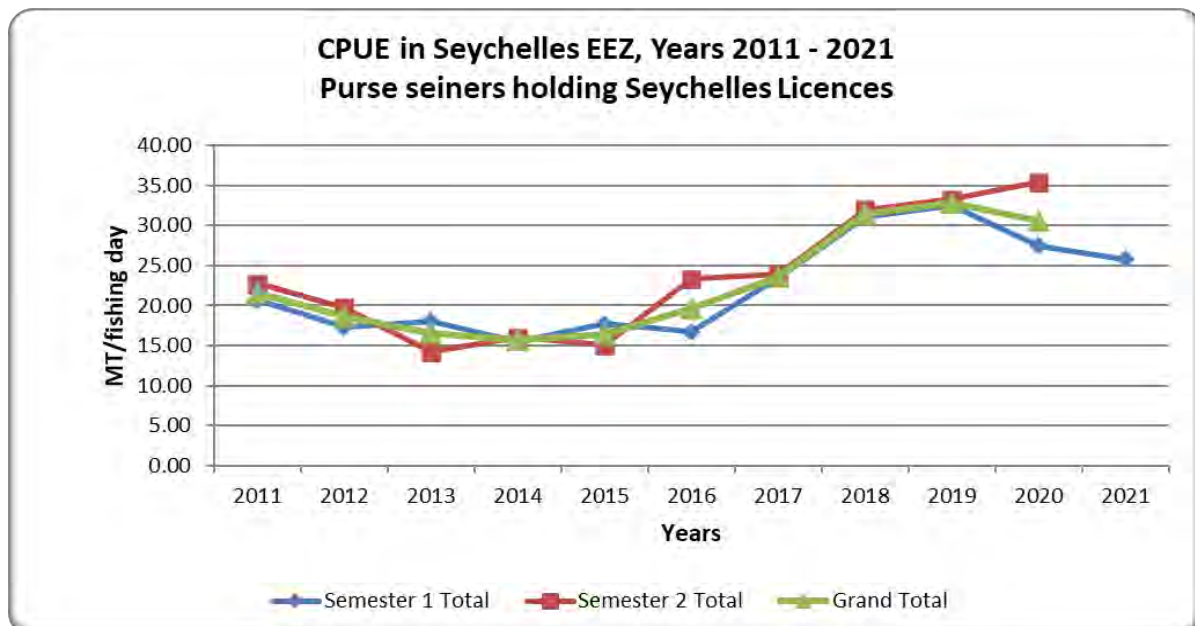


Figure 1F: Purse Seine CPUE in the Seychelles EEZ by Year, 2011 - 2021

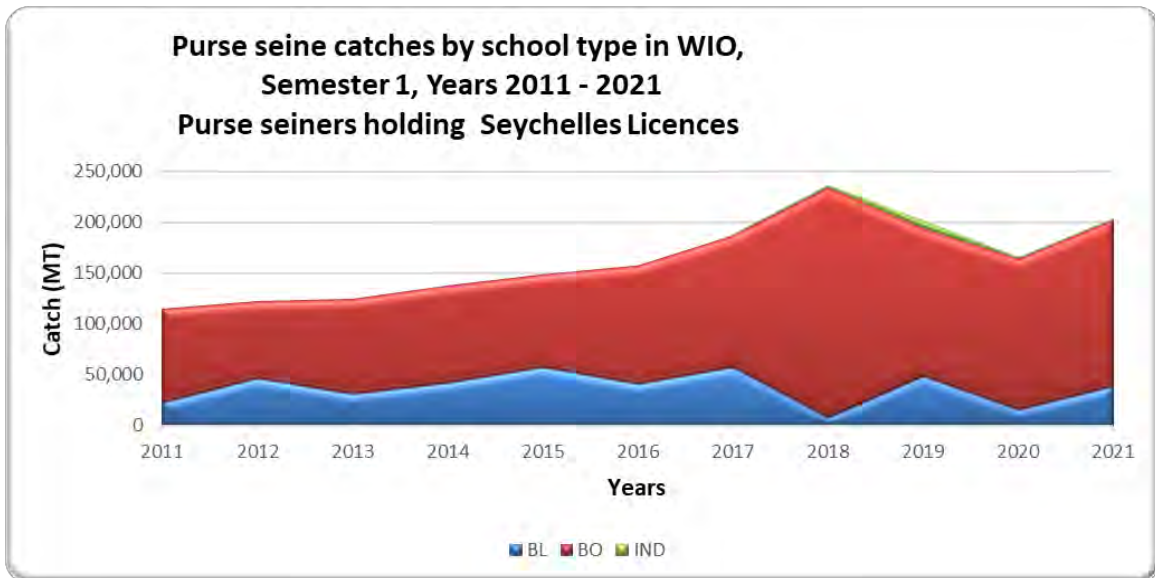


Figure 1G: Purse Seine catches by school type in WIO, Semester 1, Years 2011 - 2021

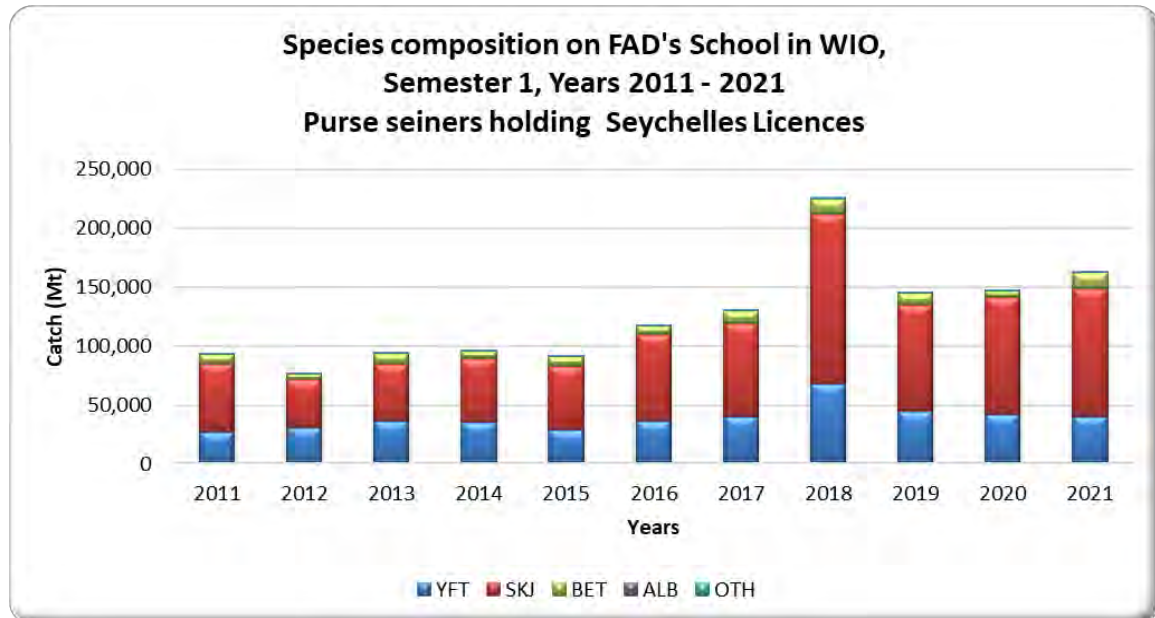


Figure 1H: Purse Seine species composition on FAD's associated school, Semester 1, Years 2011 - 2021

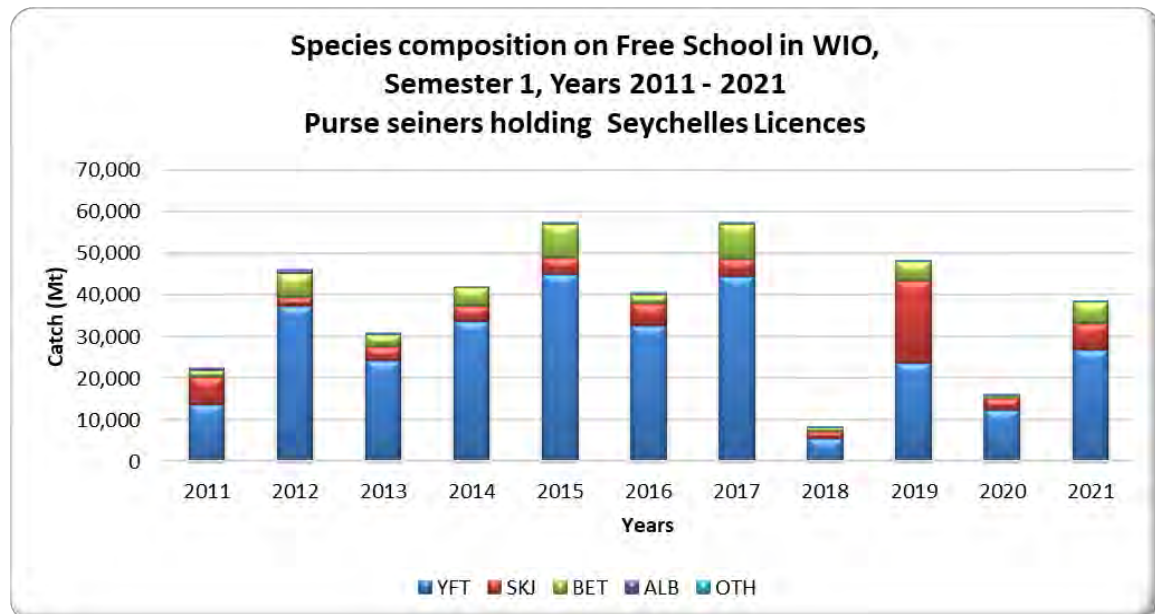


Figure 1I: Purse Seine species composition on free school, Semester 1, years 2011 - 2021

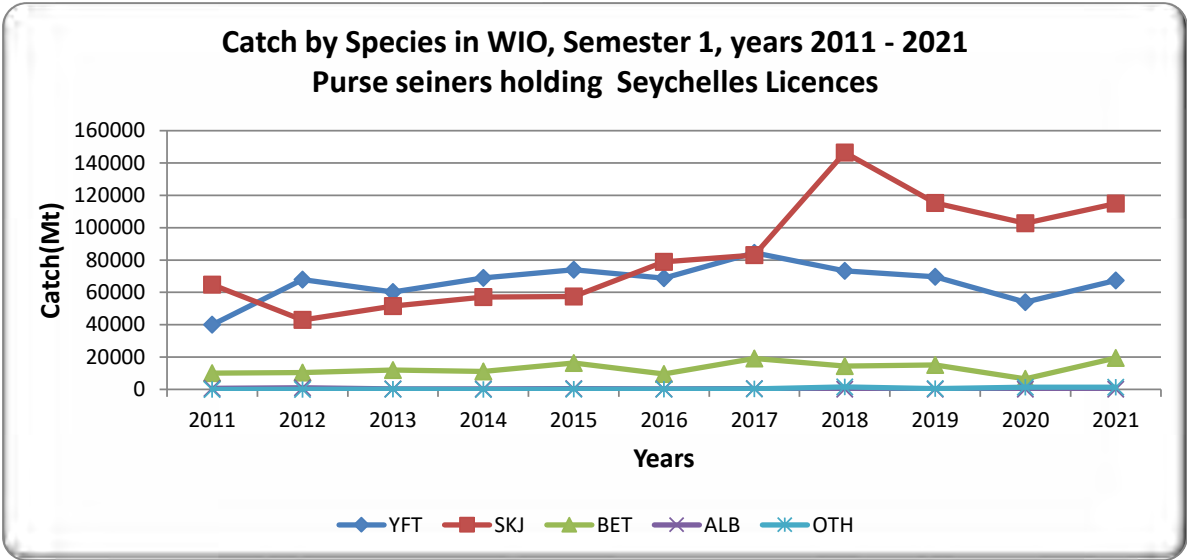


Figure 1J: Purse Seine catch by species in WIO, Semester 1, Years 2011 - 2021

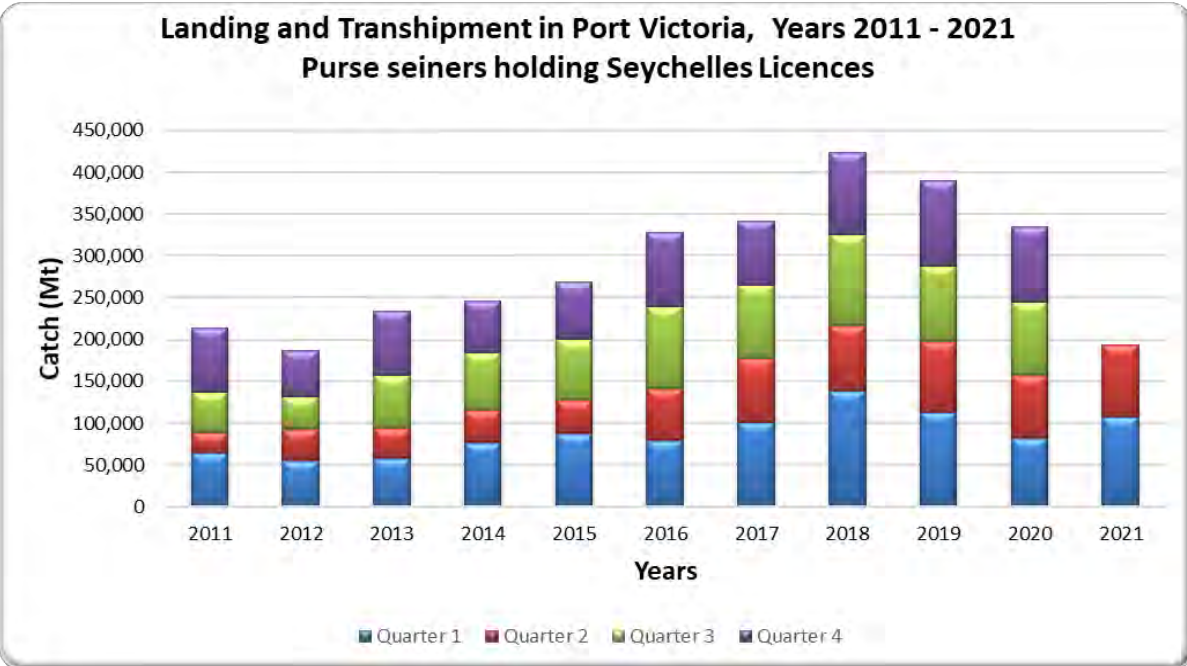


Figure 1K: Purse Seine landing and transhipment in port Victoria, Years 2011 - 2021

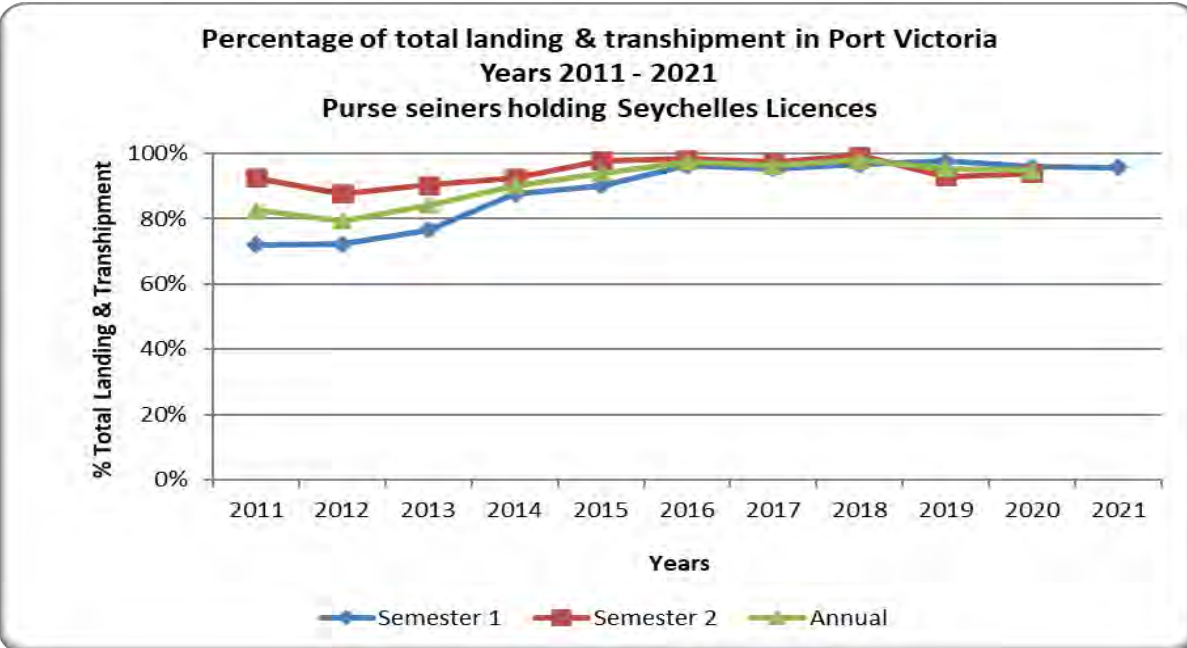
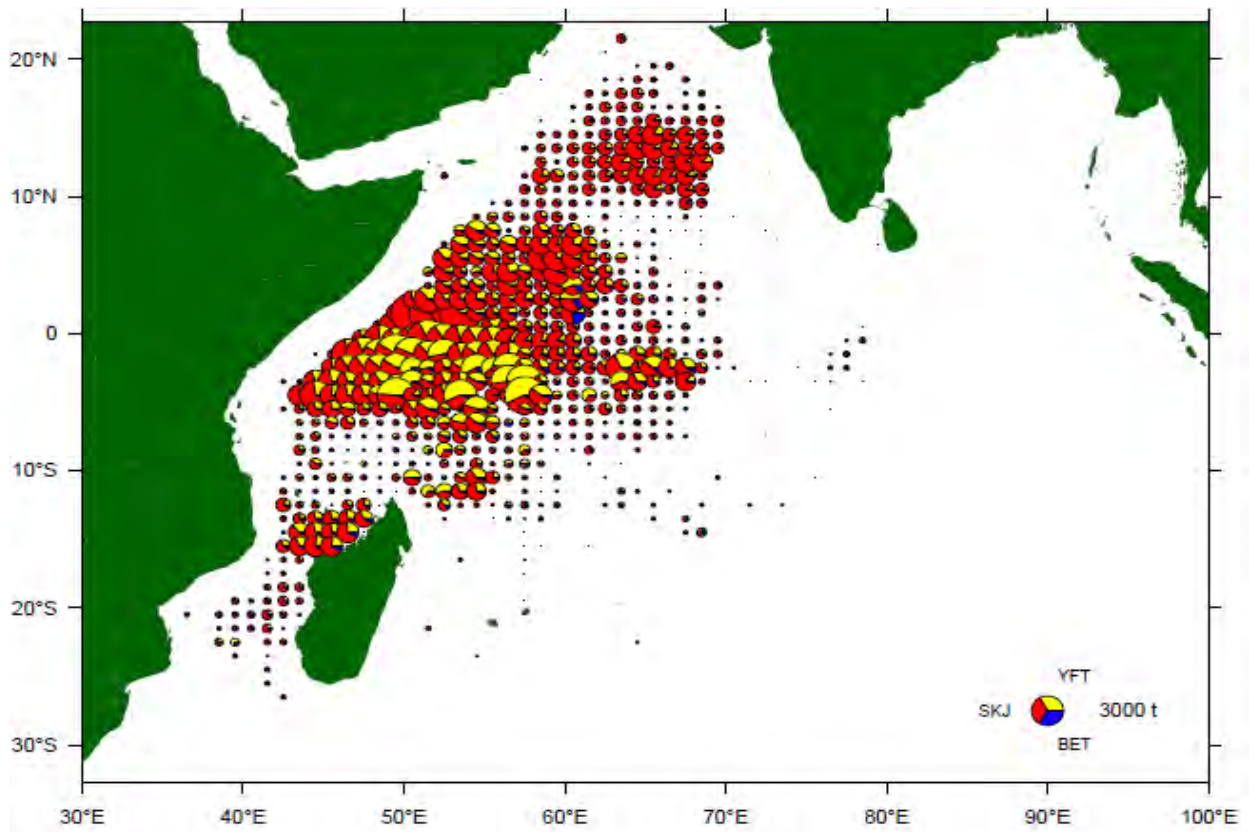


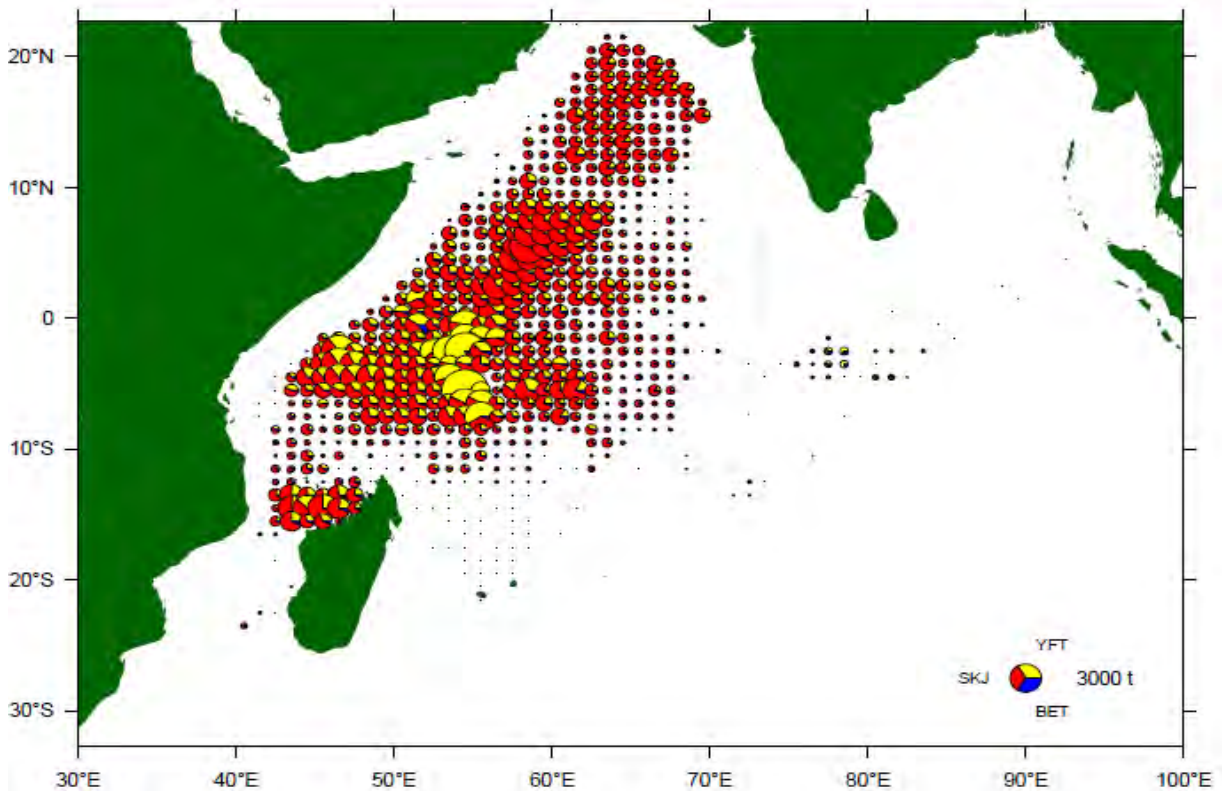
Figure 1L: Proportion of Purse Seine landing and transhipment in port Victoria, Years 2011 - 2021

Fishing Ground Exploited by Purse Seiners

Map 1A. Purse seiners fishing ground for Year 2019

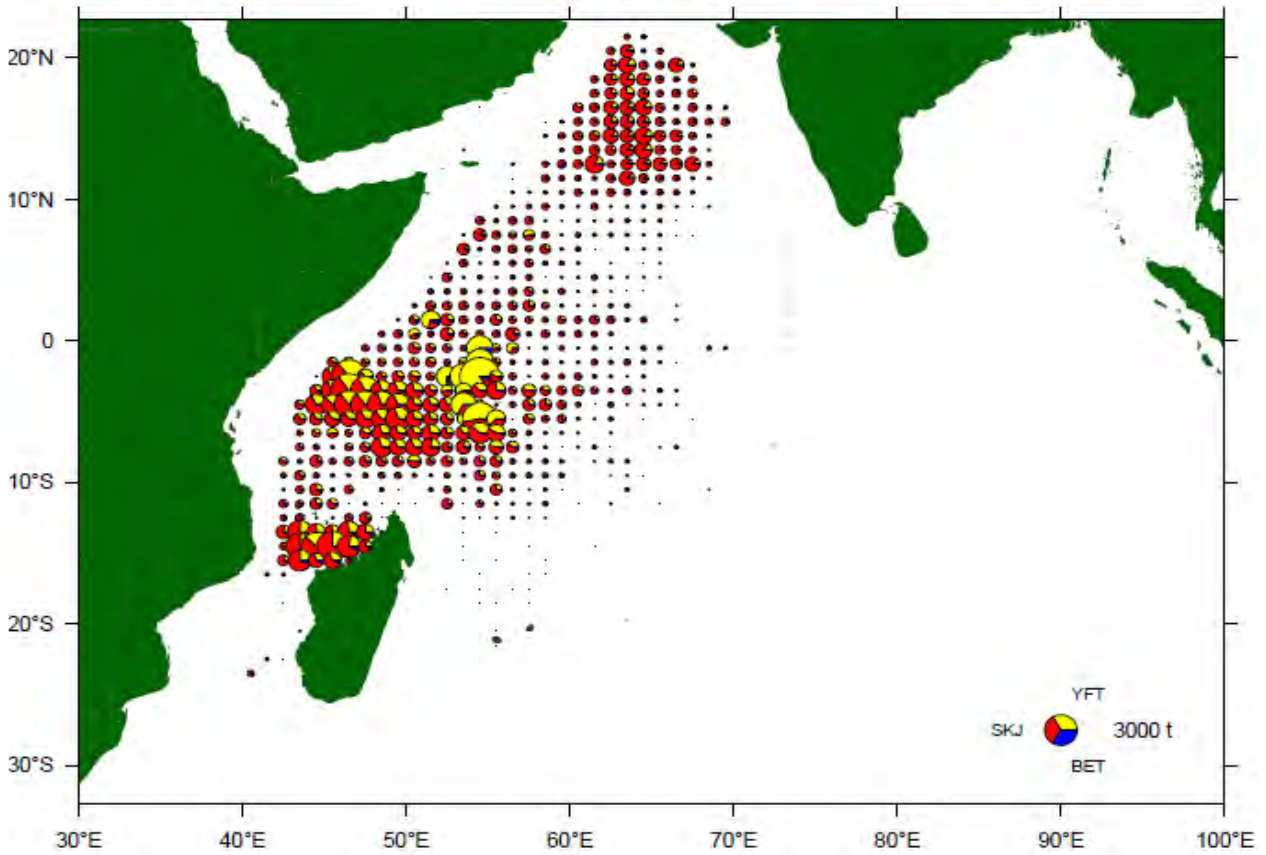


Map 1B. Purse seiners fishing ground for Year 2020

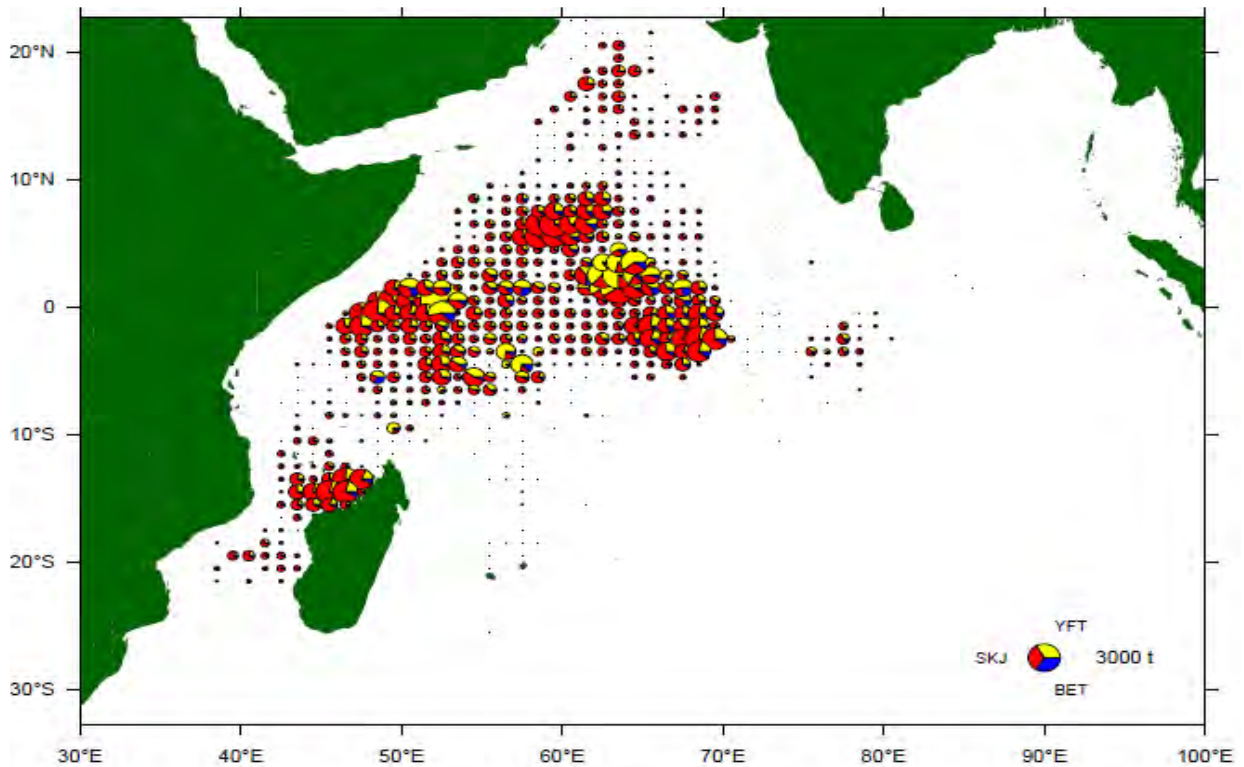


Fishing Ground Exploited by Purse Seiners

Map 1C. Purse seiners fishing ground for 1st Semester 2020

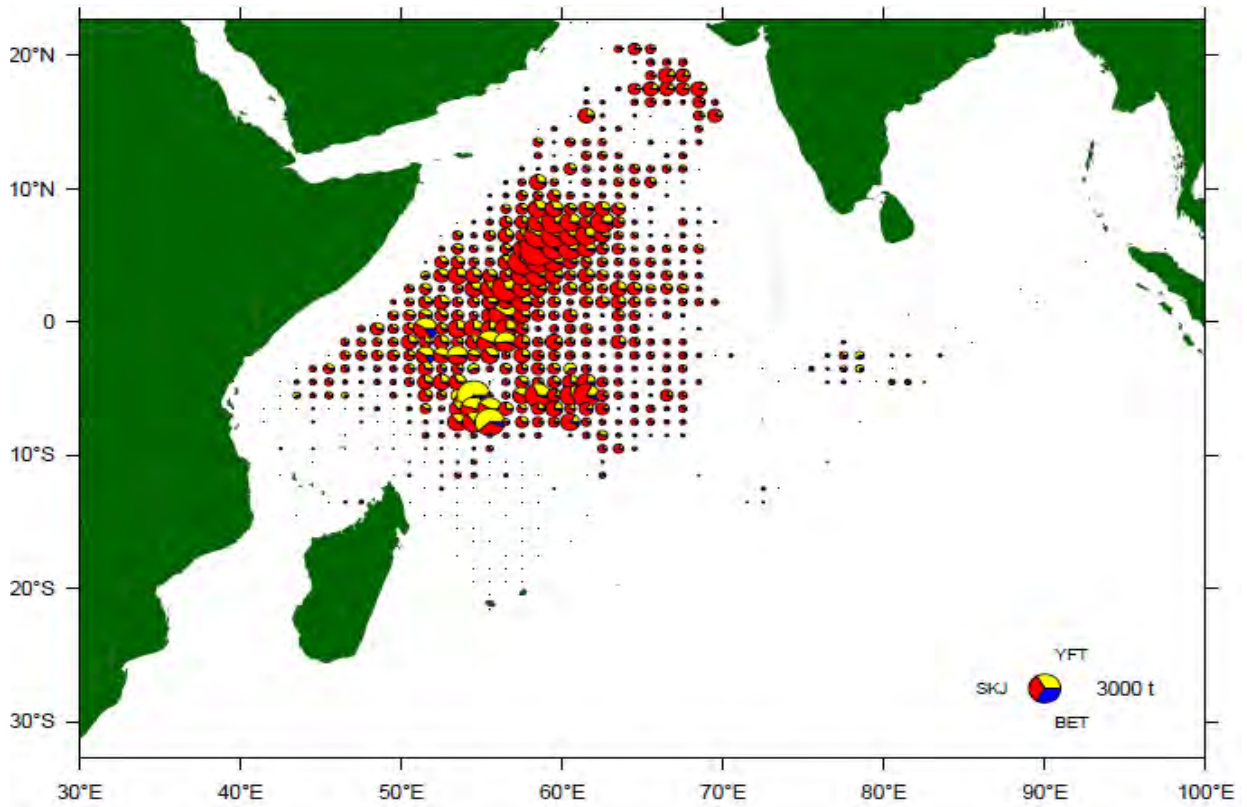


Map 1D. Purse seiners fishing ground for 1st Semester 2021



Fishing Ground Exploited by Purse Seiners

Map 1E: Purse seiners fishing ground for 2nd Semester 2020



Industrial Longline Fishery



2. SUMMARY OF INDUSTRIAL LONGLINE FISHERY

2.1. *Logbook Returned*

- The statistics published for 2020 relates to 100% logbooks captured in the database at the time when those statistical tables were generated. (Table 2.2). In 2019, for the Seychelles Flagged vessels, 98% of logbooks were returned to SFA ,99% of logbooks for Taiwanese fleet and 96% for Chinese vessels, were captured in the database.

2.2. *Vessels Licensed and Active*

- Following a decrease in the number of industrial longliners licensed to fish inside the Seychelles EEZ in 2010, the number of vessels taking licenses has since then been on an increasing trend from 65 vessels licensed in 2010 to reach 213 vessels licensed in 2017 (table 2.1). This increase can be attributed to the decrease in Somalia piracy activities in the region; hence more licenses were being taken by the industrial longliners. From 2017 onward, the number of vessels license has been on a decreasing trend.
- In 2020, the number of vessels licensed to fish inside the Seychelles EEZ decreased by 24 vessels resulting in only 162 vessels licensed compared to 186 vessels licensed the previous year. There was an increase of 9% in number of Seychelles registered vessels from 57 vessels registered in 2019 to 62 vessels registered in 2020. The number of vessels licensed under the EU agreement increased from 1 vessel in 2019 to 5 vessels in 2020.
- On average, 48 Seychelles registered longliners vessels were active per month during the year 2020 compared to 46 vessels active during 2019. In 2020, an average of 25 Taiwanese vessels and 3 Chinese vessels were active inside the Seychelles EEZ per month compared to an average of 26 Taiwanese vessels and 8 Chinese vessels active in 2020 (table 2.1C).
- It must be noted that according to logbooks received for the year 2019, the Taiwanese Vessels were not active in the Seychelles EEZ during the month of July and the vessels from the 'Other' fleet were not active in the Seychelles EEZ between the months of July to November. During the year 2020, the Taiwanese Vessels were not active in the Seychelles EEZ during the month of August and the vessels from the 'Other' fleet were not active in the Seychelles EEZ between the months of April to July.

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

- Following the piracy period, in 2012 a sharp increase of 182% in catches corresponding to a 92% increase in fishing effort was recorded by industrial

longliners licensed to fish inside the Seychelles EEZ (table 2.2A). The total catch then decreased in 2013 to reach 16,234 MT and has since then been on an upward trend to reach 27,309 MT in 2016. Another drop in catches were observed for the years 2017 and 2018 followed by a record catch of 30,093 MT in 2019. The catch rate increased from 0.39 Mt/1000 hooks in 2010 to reach peak of 0.68 Mt/1000 hooks in 2012 and has since then been fluctuating between 0.38 Mt/1000 hooks and 0.56 Mt/1000 hooks (figure 2C).

- The total catch reported by all industrial longline fleet during year 2020 is estimated at 31,496 MT, obtained from a fishing effort of approximately 57.4 million hooks thus giving a mean catch rate of 0.55 MT/1000 hooks (table 2.2A). The total catch reported in 2019 was 30,093 MT, obtained from a fishing effort of approximately 53.3 million hooks with a mean catch rate of 0.56 MT/1000 hooks.
- The total catch reported by all industrial longline fleet in the Western Indian Ocean during the first semester of 2020 is estimated at 15,938 MT representing a 12% increase in catches over the same period in 2019. This was achieved from a fishing effort of 26.4 million hooks thus giving a mean catch rate of 0.60 MT/1000 hooks (table 2.2A). The total catch for the first semester of 2019 is estimated at 14,253 MT achieved from a fishing effort of approximately 26.7 million hooks with a mean catch rate of 0.53 MT/1000 hooks.
- During the second semester of 2020, a total catch of 15,559 MT was reported, achieved from a fishing effort of 31 million hooks representing a slight 2% decrease in catches over the 15,841 MT reported during the same period the previous year. The fishing effort for second semester of 2019 was estimated approximately 26.7 million hooks. The catch rate for the second semester decreased from 0.59 MT/1000 hooks in 2019 to 0.50 MT/1000 hooks in 2020.
- Monthly analysis of catch rate shows that, the highest catch rate was recorded in the months April (0.73 MT/ 1000 hooks) during 2020. The highest catches reported in 2019 was in the month of May at 0.72 MT/ 1000 hooks.

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

- The Seychelles fleet reported an estimated catch of 22,469 MT for year 2020. This was achieved from a fishing effort of 40.6 million hooks thus giving a mean catch rate of 0.55 MT/1000 hooks (table 2.2C). During year 2019, the Seychelles fleet reported a total catch of 22,866 MT based on 98% logbook returned. This was achieved from a fishing effort of 39.2 million hooks and a mean catch rate of 0.58 MT/1000 hooks.
- The Taiwanese fleet total catches are estimated at 8,135 MT for the year 2020, achieved from a fishing effort of 15.3 million hooks with a mean catch rate of 0.53 MT/1000 hooks. This represents an increase of 24% in catches achieved from an increase of 24% in fishing effort when compared to the year 2019. In year 2019, the Taiwanese fleet reported a total catch of 6,570 MT achieved from a fishing of 12.3

million hooks and a mean catch rate of 0.53 MT/1000 hooks (table 2.2D) based on 99% logbook returned.

- The remaining 892 MT of tuna and tuna like species reported in the industrial longline fishery were from Chinese, Spanish, Portuguese, and French fleets. This was achieved from a fishing effort of approximately 1.6 million hooks and a mean catch rate of 0.57 MT/1000 hooks. In 2019, only vessels from Chinese fleets reported an estimated catch of 657 MT achieved from a fishing effort of approximately 1.9 million hooks giving a mean catch rate of 0.35 MT/1000 hooks (table 2.2E).

2.4. Species Composition in WIO

- Historically bigeye dominated the catch of the industrial longline fishery. However, since the year 2018 yellow tuna has been dominating the catch of the industrial longline fleet. Similar observation was made during year 2019 were yellowfin catches accounted for 40% of the total catch. Bigeye tuna, swordfish and the 'others' category represented 25%, 9% and 16% of the total catch. In the year 2020, bigeye tuna replaces yellowfin tuna as the dominant species caught, accounting for 37% of the total catch. Yellowfin tuna, swordfish and the 'others' category represents 33%, 8% and 14% of the total catch, respectively (table 2.2B). It must be noted that the 'others' category comprised of 61% and 57% of *Ruvettus pretiosus* (oilfish) during years 2020 and 2019, respectively.

In 2020, Yellowfin tuna catches decreased by 12% whilst bigeye tuna catches increased by 52%. Decreased in catches were also observed in Swordfish (4%) and 'other' species (10%).

2.5. Activity inside the Seychelles EEZ

- Time series of total catch and fishing effort of industrial longliners inside the Seychelles EEZ shows similar trend to that in the WIO. Following a sharp increase in catches after the piracy era in 2012, the catches inside the Seychelles EEZ has increased to reach a record catch of 15,626 MT in 2016 and has since been on a decreasing trend (table 2.3, figure 2D and 2E and 2F).
- According to logbooks received and captured at SFA, the industrial longliners licensed to fish inside the Seychelles EEZ reported to have caught an estimated catch of 14,731 MT inside of the Seychelles EEZ during the year 2020, representing an increase of 48% over the catches reported for the previous year. This was obtained from a fishing effort of approximately 25.9 million hooks giving a mean catch rate of 0.57 MT/ 1000 hooks (table 2.3A). During the previous year, a total catch of 9,939 MT obtained from a fishing effort of approximately 18.1 million hooks was reported to have been caught inside of the Seychelles EEZ, thus giving a mean catch rate of 0.55 MT/1000 hooks.

- The industrial longliners catches reported inside the Seychelles EEZ during the first semester of 2020 is estimated at 5,212MT (table 2.3) achieved by a fishing effort of approximately 8.7 million hooks, thus giving a mean catch rate of 0.6 MT/1000 hooks. This represents an increase of 55% in catches despite just a slight 4% increase in fishing effort over the same period the previous year. During the same period in 2019, the industrial longliners tuna catch reported inside the Seychelles EEZ was estimated at 3,364 MT achieved by a fishing effort of approximately 8.4 million hooks, thus giving a mean catch rate of 0.4 MT/1000 hooks.
- During the second semester of 2020, a total of 9,501 MT of tuna were reported to have been caught by industrial longliners inside the Seychelles EEZ obtain from a fishing effort of approximately 17.2 million hooks, thus giving a mean catch rate of 0.55 MT/ fishing day. This represents an increase of 44% in total catch from 6,576 MT reported in 2019 corresponding to a 77% increase in fishing effort from 9.7 million hooks over the same period of the previous year inside the Seychelles EEZ.
- Analysis of monthly trend shows higher catches were recorded inside the Seychelles EEZ during the month of April with a catch rate of 0.84MT/1000 hooks for 2020 and for month of November, with catch rate of 0.71MT/1000 hooks for the previous year.

2.6. *Statistics of Seychelles Flagged Vessels*

- An increasing trend has been observed in total catch by Seychelles registered industrial longliners from the year 2010 to reach a peak of a peak of 22,866 MT in 2019 (table 2.4 and figure 2G). Similar observations were made in, the fishing effort by the Seychelles fleet over the last 10 years which increased from 16.3 million hooks in 2011 to 39.4 million hooks in 2018 (table 2.4 and figure 2H). The CPUE has fluctuated between 0.42 MT/1000 hooks and 0.58 MT/100 hooks between the years 2013 to 2019 (figure 2I).
- During 2020, the Seychelles fleet reported an estimated catch of 22,469 MT. This was achieved from a fishing effort of 40.6 million hooks thus giving a mean catch rate of 0.55 MT/1000 hooks (table 2.2C). In the previous year, the Seychelles fleet reported a total catch of 22,866 MT. This was achieved from a fishing effort of 39.3 million hooks with a mean catch rate of 0.58 MT/1000 hooks.
- The Seychelles flagged industrial longliners reported to have caught 62% of their total catch or 13,942 MT of tuna on the high Seas and only 28% of their catches or 6,375 MT in the Seychelles EEZ for 2020. The remaining 10% or 2,152 MT were reported to have been caught in foreign EEZ. During the previous year, 63% (or 14,315 MT) and 22% (or 5,033 MT) of the Seychelles flagged industrial longliners catches were caught on the high Seas and inside foreign EEZ respectively.

2.7. *Industrial Longliners statistics by Access Regime*

- During the years 2020 and 2019, industrial longliners licensed to operate inside of the Seychelles EEZ were operating under the two main fishing agreements: the Taiwan Deep-sea Tuna Longline Boat Owners and Exporters Association (TTA) and Top Fortune Agreement (TFI). It must be noted that all Seychelles' flagged vessels were operating under the TFI agreement. Few vessels were also operating under private agreements and the EU agreements.
- For year 2020, vessels operating under the National agreement accounted for 43% of the total EEZ catch whilst vessels operating under the TTA agreement represent 37% of the total EEZ catch. Vessels fishing under the Top Fortune agreement excluding all Seychelles flagged vessels represented only 3% of the total EEZ catch. During 2019, vessels operating under the National agreement accounted for 35% of the total EEZ catch whilst vessels operating under the TTA agreement represented 45% of the total EEZ catch.

2.8. Fishing Ground

- Map 2A and 2B show the distribution of reported catch of industrial longliners by 1^o square in the WIO for the years 2019 and 2020 respectively. Map 2C and 2D shows the distribution of reported catch of industrial longliners by 1^o square in the WIO for the 1st Semester of 2019 and 2020 respectively whilst maps 2E and 2F shows the distribution of reported catch of industrial longliners by 1^o square in the WIO for the 2nd Semester of 2019 and 2020 respectively.
- Maps 2B shows similar fishing pattern in 2020 when compared to the year 2019 (map 2A), with a decrease in catches of yellowfin tuna in the Indian Ocean Monsoon Gyre area.
- Map 2D shows a decrease in catches in the 'other species' category around 30° south and along the east Africa coast. It also shows a decrease in yellowfin catches and an increase in bigeye catches during the first semester of the year 2020 when compared to the same period in 2019 (Map 2C).
- Comparing maps of catches for semester 2 of year 2020 (Map 2F) with the same for the previous year revealed similar fishing pattern with increased catches in the Seychelles EEZ.

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

(Database Closed on 14/10/2021)

Years: 2010 - 2020

Country	Year										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
SEYCHELLES	27	24	32	33	38	45	46	54	55	57	62
TAIWAN PROVINCE OF CHINA	35	53	111	113	84	85	103	108	98	84	88
CHINA			12	16	19	19	29	43	50	44	7
JAPAN*			2	4	4	2					
KOREA						1	4	7	4		
SPAIN	1										2
PORTUGAL											2
BELIZE	1	1									
FRANCE								1	1	1	1
OMAN	1	1	2	2							
INDONESIA						1	1				
PHILIPPINES		1	7	6	1	1	1				
TANZANIA			1	1	1	1	1				
THAILAND					1	2	2				
Annual	65	80	167	175	148	157	187	213	208	186	162

* 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 14/10/2021)

Year: 2019

Month	Seychelles*	Taiwan POC	China	France	Portugal	Spain	Total
Jan	54	74	41	1	0	0	170
Feb	53	73	39	1	0	0	166
Mar	53	74	33	1	0	0	161
Apr	53	58	26	1	0	0	138
May	54	38	17	1	0	0	110
Jun	54	36	3	1	0	0	94
Jul	56	34	3	1	0	0	94
Aug	55	36	1	1	0	0	93
Sep	57	56		1	0	0	114
Oct	57	57	1	1	0	0	116
Nov	57	59	1	1	0	0	118
Dec	57	65	3	1	0	0	126
Annual Average	55	55	15	1	0	0	125
Quarter 1	53	74	38	1	0	0	166
Quarter 2	54	44	15	1	0	0	114
Quarter 3	56	42	2	1	0	0	100
Quarter 4	57	60	2	1	0	0	120
First Semester	54	59	27	1	0	0	140
Second Semester	57	51	2	1	0	0	110

*Number of Seychelles registered vessels

Year: 2020

Month	Seychelles*	Taiwan POC	China	France	Portugal	Spain	Total
Jan	59	65	3	1			128
Feb	59	65	3	1	2	2	132
Mar	59	66	3	1	2	2	133
Apr	59	50	3	1	2	2	117
May	60	38	3	1	2	2	106
Jun	58	29	3	1	2	2	95
Jul	58	18	3	1	2	2	84
Aug	58	19	3	1	2	2	85
Sep	59	25	3	1	2	2	92
Oct	59	46	5	1	2	2	115
Nov	60	67	5	1	2	2	137
Dec	61	67	10	1	2	2	143
Annual Average	59	46	4	1	2	2	114
Quarter 1	59	65	3	1	2	2	131
Quarter 2	59	39	3	1	2	2	106
Quarter 3	58	21	3	1	2	2	87
Quarter 4	60	60	7	1	2	2	132
First Semester	59	52	3	1	2	2	119
Second Semester	59	40	5	1	2	2	109

*Number of Seychelles Registered Vessels

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

(Database Closed on 14/10/2021)

Years: 2010 - 2020

Country	Year										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
SEYCHELLES	24	23	32	33	35	42	47	51	54	56	57
TAIWAN PROVINCE OF CHINA	29	30	96	90	71	83	105	106	92	76	82
CHINA			12	13	18	17	27	41	45	25	7
JAPAN*			2	3	2						
KOREA							2				
SPAIN											1
PORTUGAL											1
BELIZE	1										
OMAN	1	1	2	1							
INDONESIA						1	1				
PHILIPPINES		1	8	5	1	1					
FRANCE											1
TANZANIA			1	1	1	1	1				
THAILAND					1	2					
Annual	55	55	153	146	129	147	183	198	191	157	149

* 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 14/10/2021)

Year: 2019

Month	Seychelles*	Taiwan POC	China	France	Portugal	Spain	Total
Jan	49	50	20				119
Feb	46	28	10				84
Mar	43	37	12				92
Apr	43	17	3				63
May	46	20	3				69
Jun	48	2	3				53
Jul	43						43
Aug	40	1					41
Sep	43	5					48
Oct	46	26					72
Nov	49	44					93
Dec	52	59	3				114
Annual Average	46	26	8	0	0	0	74
Quarter 1	46	38	14	0	0	0	98
Quarter 2	46	13	3	0	0	0	62
Quarter 3	42	3	0	0	0	0	44
Quarter 4	49	43	3	0	0	0	93
First Semester	46	26	9	0	0	0	80
Second Semester	46	27	3	0	0	0	69

Year: 2020

Month	Seychelles*	Taiwan POC	China	France	Portugal	Spain	Total
Jan	51	55	3				109
Feb	44	21	1				66
Mar	51	6	1				58
Apr	52	17					69
May	50	23					73
Jun	50	3					53
Jul	49	2					51
Aug	45		1		1		47
Sep	43	4		1		1	49
Oct	45	27	5	1		1	79
Nov	48	57	5	1		1	112
Dec	47	59	6	1			113
Annual Average	48	25	3	1	1	1	73
Quarter 1	49	27	2	0	0	0	78
Quarter 2	51	14	0	0	0	0	65
Quarter 3	46	3	1	1	1	1	49
Quarter 4	47	48	5	1	0	1	101
First Semester	50	21	2	0	0	0	71
Second Semester	46	30	4	1	1	1	75

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

(Database Closed on 14/10/2021)

Years: 2010 - 2020

Country	Year										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
SEYCHELLES	84	97	96	100	95	95	97	95	95	98	100
TAIWAN PROVINCE OF CHINA	89	75	80	77	81	95	92	98	95	99	100
CHINA			93	86	91	98	100	99	97	96	100
JAPAN			71	91	89	20					
REPUBLIC OF KOREA						0	34	0	0		
SPAIN	0										100
PORTUGAL											100
BELIZE	18	100									
FRANCE								0	0	0	100
OMAN	100	100	100	90							
INDONESIA						0	0				
PHILIPPINES		100	84	68	100	50	0				
TANZANIA			100	92	91	100	100				
THAILAND					100	100	100				
Grand Total	84	87	85	84	88	95	93	94	94	98	100

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

(Database Closed on 14/10/2021)

Country: ALL

Semester 1, Year: 2010 - 2020

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2010	10,673,653	0.37	244.8	6	1,946.1	50	248	6	104	3	185.0	5	1,181.8	30	3,909.4
2011	7,938,200	0.39	231.9	7	1,603.4	52	137	4	96	3	120.3	4	918.9	30	3,107.6
2012	10,080,389	0.85	805.6	9	6,264.6	73	522	6	514	6	165.9	2	283.0	3	8,555.5
2013	18,985,332	0.45	877.4	10	4,565.9	53	855	10	632	7	297.6	3	1,386.8	16	8,614.5
2014	16,939,623	0.44	1,589.6	21	3,511.2	47	742	10	548	7	360.6	5	733.8	10	7,485.7
2015	16,567,630	0.48	1,656.1	21	3,702.0	46	992	12	827	10	352.6	4	493.3	6	8,022.6
2016	27,703,915	0.43	2,912.8	24	4,246.0	35	1165	10	1600	13	564.7	5	1,545.5	13	12,034.3
2017	25,287,702	0.39	2,474.9	25	2,866.4	29	1104	11	823	8	495.0	5	2,177.0	22	9,940.6
2018	26,422,469	0.40	3,764.8	35	2,243.5	21	1359	13	862	8	661.2	6	1,714.9	16	10,606.4
2019	26,655,508	0.53	5,820.1	41	2,973.8	21	1547	11	610	4	1,059.3	7	2,242.2	16	14,252.7
2020	26,405,652	0.60	5,778.3	36	5,499.6	35	1310	8	617	4	714.7	4	2,018.1	13	15,937.8

Country: ALL

Semester 2, Year: 2010 - 2020

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2010	11,549,028	0.41	600.4	13	2,657.6	57	236	5	236	5	186.8	4	776.4	17	4,693.9
2011	9,809,058	0.53	1,139.7	22	2,879.3	56	289	6	241	5	188.3	4	431.0	8	5,167.9
2012	23,963,719	0.62	1,588.3	11	9,622.9	65	1105	7	1335	9	652.0	4	448.7	3	14,751.9
2013	15,309,146	0.50	957.5	13	4,573.9	60	450	6	349	5	374.2	5	914.3	12	7,619.2
2014	19,592,754	0.54	1,743.6	17	5,601.3	53	711	7	643	6	782.1	7	1,034.1	10	10,515.4
2015	22,441,818	0.55	2,719.1	22	5,918.8	48	1209	10	1167	9	531.7	4	828.2	7	12,373.2
2016	35,105,409	0.44	3,378.7	22	6,199.9	41	1646	11	1198	8	766.8	5	2,085.7	14	15,274.3
2017	36,259,726	0.38	3,166.6	23	4,959.0	36	1203	9	730	5	901.6	7	2,693.3	20	13,653.6
2018	33,843,424	0.42	4,533.0	32	3,785.1	27	1622	11	722	5	1,153.8	8	2,305.3	16	14,120.3
2019	26,683,515	0.59	6,080.4	38	4,607.5	29	1020	6	496	3	922.5	6	2,714.4	17	15,840.7
2020	30,969,870	0.50	4,639.9	30	6,031.0	39	1159	7	313	2	969.2	6	2,446.2	16	15,558.5

Country: ALL

Year: 2010 - 2020

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2010	22,222,680	0.39	845.2	10	4,603.8	54	484	6	341	4	371.8	4	1,958.1	23	8,603.4
2011	17,747,258	0.47	1,371.6	17	4,482.7	54	426	5	336	4	308.5	4	1,350.0	16	8,275.5
2012	34,044,108	0.68	2,394.0	10	15,887.6	68	1627	7	1849	8	817.9	4	731.7	3	23,307.4
2013	34,294,478	0.47	1,834.9	11	9,139.8	56	1305	8	981	6	671.8	4	2,301.1	14	16,233.7
2014	36,532,377	0.49	3,333.3	19	9,112.5	51	1453	8	1192	7	1,142.7	6	1,767.9	10	18,001.1
2015	39,009,448	0.52	4,375.2	21	9,620.8	47	2201	11	1993	10	884.3	4	1,321.4	6	20,395.8
2016	62,809,324	0.43	6,291.5	23	10,445.8	38	2811	10	2797	10	1,331.6	5	3,631.2	13	27,308.5
2017	61,547,429	0.38	5,641.5	24	7,825.4	33	2307	10	1553	7	1,396.6	6	4,870.3	21	23,594.2
2018	60,265,893	0.41	8,297.8	34	6,028.6	24	2981	12	1584	6	1,814.9	7	4,020.2	16	24,726.7
2019	53,339,023	0.56	11,900.6	40	7,581.3	25	2567	9	1106	4	1,981.8	7	4,956.6	16	30,093.4
2020	57,375,523	0.55	10,418.2	33	11,530.6	37	2469	8	930	3	1,684.0	5	4,464.3	14	31,496.3

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

(Database Closed on 14/10/2021)

Country: ALL

Year: 2019

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin (Mt)	Yellowfin (%)	Bigeye (Mt)	Bigeye (%)	Swordfish (Mt)	Swordfish (%)	Marlin (Mt)	Marlin (%)	Shark (Mt)	Shark (%)	Others (Mt)	Others (%)	
Jan	170	119	7,287,705	0.45	1,444.0	44	739.4	23	361	11	189	6	322.9	10	225.5	7	3,282
Feb	166	84	3,527,849	0.44	576.8	38	339.2	22	224	15	115	7	183.0	12	99.9	6	1,538
Mar	161	92	4,339,856	0.46	757.6	38	546.3	27	133	7	79	4	158.9	8	313.8	16	1,989
Apr	138	63	4,268,361	0.67	1,342.8	47	437.3	15	234	8	73	3	203.1	7	576.7	20	2,867
May	110	69	4,122,418	0.72	1,357.7	46	476.5	16	357	12	80	3	125.2	4	555.9	19	2,952
Jun	94	53	3,109,319	0.52	341.2	21	435.2	27	237	15	74	5	66.3	4	470.4	29	1,624
Jul	94	43	3,052,925	0.61	435.4	23	391.1	21	150	8	47	2	116.7	6	734.4	39	1,874
Aug	93	41	2,717,861	0.50	268.5	20	240.7	18	125	9	26	2	138.4	10	559.6	41	1,358
Sep	114	48	2,955,791	0.45	264.4	20	397.5	30	102	8	28	2	88.3	7	437.2	33	1,317
Oct	116	72	4,083,691	0.50	763.2	37	638.6	31	148	7	73	4	89.1	4	346.3	17	2,058
Nov	118	93	6,108,430	0.63	1,763.6	46	1,139.3	30	236	6	126	3	213.7	6	361.2	9	3,840
Dec	126	114	7,764,817	0.69	2,585.4	48	1,800.3	33	259	5	197	4	276.3	5	275.8	5	5,393
Annual	125	74	53,339,023	0.56	11,900.6	40	7,581.3	25	2,567.3	9	1,105.8	4	1,981.8	7	4,956.6	16	30,093.4
Quarter 1	166	98	15,155,410	0.45	2,778.4	41	1,624.9	24	718.7	11	383.4	6	664.7	10	639.2	9	6,809.3
Quarter 2	114	62	11,500,098	0.65	3,041.7	41	1,349.0	18	828.7	11	226.3	3	394.6	5	1,603.0	22	7,443.3
Quarter 3	100	44	8,726,578	0.52	968.3	21	1,029.4	23	376.9	8	100.3	2	343.4	8	1,731.1	38	4,549.3
Quarter 4	120	93	17,956,937	0.63	5,112.2	45	3,578.1	32	643.0	6	395.8	4	579.1	5	983.3	9	11,291.4
First Semester	140	80	26,655,508	0.53	5,820.1	41	2,973.8	21	1,547.4	11	609.7	4	1,059.3	7	2,242.2	16	14,252.7
Second Semester	110	69	26,683,515	0.59	6,080.4	38	4,607.5	29	1,019.9	6	496.1	3	922.5	6	2,714.4	17	15,840.7

Country: ALL

Year: 2020

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	128	109	7,232,514	0.57	1,802.1	43	1,476.4	36	250	6	174	4	252.8	6	201.8	5	4,157
Feb	132	66	3,189,252	0.61	930.0	48	641.6	33	120	6	69	4	111.8	6	64.7	3	1,938
Mar	133	58	3,450,884	0.58	851.6	42	660.9	33	124	6	76	4	69.9	3	226.4	11	2,008
Apr	117	69	4,527,150	0.73	1,067.4	32	1,191.5	36	299	9	151	5	119.2	4	461.5	14	3,289
May	106	73	4,541,196	0.63	771.5	27	1,060.0	37	332	12	98	3	84.7	3	535.7	19	2,882
Jun	95	53	3,464,656	0.48	355.8	21	469.2	28	186	11	48	3	76.4	5	528.0	32	1,663
Jul	84	51	3,674,657	0.47	267.0	15	442.3	26	154	9	42	2	118.7	7	702.9	41	1,728
Aug	85	47	3,512,940	0.40	218.2	16	354.7	25	130	9	29	2	117.9	8	550.9	39	1,401
Sep	92	49	3,308,751	0.42	275.4	20	354.6	25	157	11	23	2	131.5	9	456.1	33	1,398
Oct	115	79	4,605,497	0.48	700.6	32	742.8	34	238	11	37	2	158.7	7	319.4	15	2,197
Nov	137	112	6,932,937	0.51	1,333.6	38	1,469.8	42	236	7	74	2	210.8	6	205.2	6	3,529
Dec	143	113	8,935,089	0.59	1,845.1	35	2,666.8	50	242	5	108	2	231.6	4	211.7	4	5,305
Annual	114	73	57,375,523	0.55	10,418.2	33	11,530.6	37	2,469.2	8	930.1	3	1,684.0	5	4,464.3	14	31,496.3
Quarter 1	131	78	13872650.76	1	3583.65	44.2	2779	34.3	494	6	319	4	434	5.4	493	6.1	8,103.3
Quarter 2	106	65	12533001.67	1	2194.66	28.0	2721	34.7	816	10	297	4	280	3.6	1525	19.5	7,834.6
Quarter 3	119	67	12519229.65	1	2690.48	32.9	1972	24.1	754	9	325	4	274	3.3	1224	15.0	8,179.6
Quarter 4	88	50	10652252.48	0	840.96	17.5	1266	26.4	471	10	120	2	313	6.5	1782	37.2	4,792.3
First Semester	119	71	26,405,652	0.60	5,778.3	36	5,499.6	35	1,310.5	8	616.6	4	714.7	4	2,018.1	13	15,937.8
Second Semester	111	62	22,847,794	0.59	4,243.3	31	4,465.5	33	1,215.0	9	484.7	4	580.7	4	2,519.2	19	13,508.3

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

(Database Closed on 14/10/2021)

Country: SEYCHELLES

Year: 2019

Month	Vessels		Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
	Licensed (Number)	Covered (Number)			Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
Jan	54	49	3,511,849	0.52	841.2	46	355.9	19	226	12	102	6	185.8	10	115.0	6	1,826.2
Feb	53	46	2,634,876	0.46	463.8	38	258.3	21	193	16	87	7	128.2	11	83.4	7	1,213.3
Mar	53	43	2,999,608	0.50	605.0	40	393.4	26	97	6	50	3	71.8	5	294.5	19	1,511.9
Apr	53	43	3,499,956	0.70	1,184.2	48	323.6	13	206	8	54	2	138.8	6	557.4	23	2,464.3
May	54	46	3,630,458	0.74	1,244.2	46	427.5	16	317	12	65	2	92.6	3	545.5	20	2,691.8
Jun	54	48	3,018,079	0.52	310.7	20	428.3	27	236	15	73	5	62.6	4	467.6	30	1,578.1
Jul	56	43	3,052,925	0.61	435.4	23	391.1	21	150	8	47	2	116.7	6	734.4	39	1,874.2
Aug	55	40	2,687,461	0.50	268.0	20	239.1	18	123	9	26	2	137.1	10	555.8	41	1,348.6
Sep	57	43	2,904,491	0.45	261.9	20	393.6	30	100	8	27	2	86.6	7	434.0	33	1,303.2
Oct	57	46	3,394,041	0.52	663.0	38	521.3	30	130	7	58	3	66.4	4	317.0	18	1,755.3
Nov	57	49	3,799,149	0.61	1,056.5	45	679.0	29	158	7	72	3	98.3	4	260.0	11	2,323.9
Dec	57	52	4,021,328	0.74	1,644.3	55	854.0	29	154	5	94	3	107.7	4	121.8	4	2,975.2
Annual	55	46	39,154,221	0.58	8,978.3	39	5,265.3	23	2,089.9	9	753.2	3	1,292.7	6	4,486.5	20	22,865.8
Quarter 1	53	46	9,146,333	0.50	1,910.0	42	1,007.6	22	516.8	11	238.1	5	385.8	8	492.9	11	4,551.4
Quarter 2	54	46	10,148,493	0.66	2,739.1	41	1,179.5	18	758.8	11	192.3	3	294.0	4	1,570.5	23	6,734.2
Quarter 3	56	42	8,644,878	0.52	965.3	21	1,023.8	23	372.5	8	99.7	2	340.5	8	1,724.2	38	4,525.9
Quarter 4	57	49	11,214,517	0.63	3,363.8	48	2,054.4	29	441.7	6	223.1	3	272.5	4	698.8	10	7,054.4
First Semester	54	46	19,294,826	0.58	4,649.2	41	2,187.1	19	1,275.6	11	430.5	4	679.8	6	2,063.4	18	11,285.6
Second Semester	57	46	19,859,395	0.58	4,329.1	37	3,078.2	27	814.2	7	322.8	3	612.9	5	2,423.0	21	11,580.3

Country: SEYCHELLES

Year: 2020

Month	Vessels		Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
	Licensed (Number)	Covered (Number)			Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
Jan	59	51	3,658,153	0.58	974.7	46	742.1	35	156	7	77	4	88.4	4	85.0	4	2,123.5
Feb	59	44	2,506,035	0.65	837.2	51	519.6	32	104	6	57	3	72.0	4	49.0	3	1,638.4
Mar	59	51	3,138,554	0.59	837.4	45	584.1	32	100	5	70	4	47.1	3	211.5	11	1,850.2
Apr	59	52	3,925,088	0.75	1,033.6	35	978.9	33	270	9	129	4	82.0	3	447.9	15	2,941.7
May	60	50	3,798,089	0.65	709.1	29	848.2	34	261	11	80	3	60.9	2	508.5	21	2,467.2
Jun	58	50	3,326,920	0.47	350.7	22	453.8	29	142	9	47	3	46.5	3	521.7	33	1,562.0
Jul	58	49	3,636,793	0.47	267.0	16	442.1	26	142	8	42	2	101.9	6	700.4	41	1,695.8
Aug	58	45	3,478,813	0.40	218.0	16	353.5	26	122	9	29	2	101.7	7	550.4	40	1,375.0
Sep	59	43	3,093,730	0.41	266.3	21	326.6	26	103	8	20	2	91.7	7	450.8	36	1,257.9
Oct	59	45	3,202,569	0.48	534.3	35	539.2	35	104	7	20	1	70.7	5	276.7	18	1,544.8
Nov	60	48	3,114,828	0.57	801.6	45	646.1	36	99	6	28	2	74.4	4	121.5	7	1,771.3
Dec	61	47	3,671,874	0.61	945.1	42	957.0	43	118	5	54	2	66.4	3	101.1	5	2,241.5
Annual	59	48	40,551,445	0.55	7,775.0	35	7,391.1	33	1,721.0	8	654.0	3	903.7	4	4,024.6	18	22,469.3
Quarter 1	59	49	9,302,742	0.60	2,649.2	47	1,845.8	33	359.7	6	204.3	4	207.5	4	345.5	6	5,612.1
Quarter 2	59	51	11,050,098	0.63	2,093.4	30	2,280.9	33	672.9	10	256.2	4	189.5	3	1,478.0	21	6,970.8
Quarter 3	58	46	10,209,335	0.42	751.3	17	1,122.1	26	367.3	8	91.1	2	295.3	7	1,701.7	39	4,328.8
Quarter 4	60	47	9,989,271	0.56	2,281.0	41	2,142.3	39	321.0	6	102.4	2	211.5	4	499.3	9	5,557.6
First Semester	59	50	20,352,839	0.62	4,742.6	38	4,126.7	33	688.4	5	193.5	2	397.0	3	2,201.0	17	12,582.9
Second Semester	59	46	20,198,606	0.49	3,032.3	31	3,264.4	33	1,018.9	10	425.4	4	506.7	5	2,439.0	25	9,886.4

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

(Database Closed on 14/10/2021)

Country: TAIWAN PROVINCE OF CHINA
Year: 2019

Month	Vessels Licensed	Vessels Covered	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
	(Number)	(Number)			Yellowfin (Mt)	(%)	Bigeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
Jan	74	50	2,867,407	0.42	489.9	41	315.6	26	94	8	70	6	137.1	12	84.3	7	1,191.2
Feb	73	28	663,673	0.39	89.0	34	63.2	24	24	9	20	8	53.3	20	11.7	4	260.6
Mar	74	37	948,148	0.37	81.4	23	131.5	38	30	9	24	7	70.3	20	12.7	4	349.6
Apr	58	17	688,905	0.53	133.2	37	111.4	31	27	7	17	5	58.0	16	17.2	5	364.5
May	38	20	417,260	0.53	85.1	38	45.0	20	39	18	14	6	31.2	14	7.4	3	221.5
Jun	36	2	13,040	0.51	3.7	56	0.1	2	1	9	0	6	0.9	14	0.9	13	6.7
Jul	34	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	36	1	30,400	0.31	0.4	5	1.7	18	2	23	0	1	1.2	13	3.8	40	9.4
Sep	56	5	51,300	0.27	2.5	18	3.9	28	2	16	0	3	1.7	12	3.1	22	14.0
Oct	57	26	689,650	0.44	100.2	33	117.2	39	19	6	15	5	22.7	7	29.3	10	302.8
Nov	59	44	2,309,281	0.66	707.0	47	460.2	30	78	5	55	4	115.4	8	101.2	7	1,516.3
Dec	65	59	3,609,999	0.65	899.4	39	915.3	39	102	4	101	4	167.7	7	147.8	6	2,333.8
Annual	55	24	12,289,063	0.53	2,591.8	39	2,165.2	33	417.7	6	316.6	5	659.5	10	419.5	6	6,570.3
Quarter 1	74	38	4,479,228	0.40	660.3	37	510.3	28	147.8	8	113.5	6	260.7	14	108.7	6	1,801.3
Quarter 2	44	13	1,119,205	0.53	222.0	37	156.6	26	66.6	11	32.0	5	90.1	15	25.5	4	592.7
Quarter 3	42	2	81,700	0.29	3.0	13	5.6	24	4.4	19	0.6	2	2.9	13	6.9	30	23.4
Quarter 4	60	43	6,608,930	0.63	1,706.6	41	1,492.8	36	198.8	5	170.6	4	305.7	7	278.3	7	4,152.9
First Semester	59	26	5,598,433	0.43	882.3	37	666.8	28	214.5	9	145.4	6	350.8	15	134.2	6	2,394.0
Second Semester	51	23	6,690,630	0.62	1,709.6	41	1,498.4	36	203.2	5	171.2	4	308.7	7	285.2	7	4,176.3

Country: TAIWAN PROVINCE OF CHINA
Year: 2020

Month	Vessels Licensed	Vessels Covered	Effort	Catch Rate	Catches												Total Catch
	(Number)	(Number)			Yellowfin	Bigeye	Swordfish	Marlin	Shark	Others							
Jan	65	55	3,388,362	0.57	773.7	40	715.2	37	89	5	93	5	164.4	8	107.2	6	1,942.7
Feb	65	21	629,218	0.44	83.0	30	116.6	42	15	6	11	4	38.8	14	14.4	5	278.9
Mar	66	6	285,330	0.51	7.4	5	73.8	50	23	16	5	3	22.8	16	14.1	10	146.2
Apr	50	17	602,061	0.58	33.8	10	212.6	61	29	8	22	6	37.2	11	13.6	4	347.6
May	38	23	743,107	0.56	62.4	15	211.8	51	71	17	19	5	23.8	6	27.2	7	414.7
Jun	29	3	118,770	0.55	5.1	8	15.3	23	28	42	1	2	10.3	16	6.0	9	65.2
Jul	18	2	25,220	0.31	0	0	0.2	2	4	46	0	3	1.6	20	2.2	29	7.7
Aug	19	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sep	25	4	151,485	0.35	9.0	17	24.4	46	6	12	3	6	5.3	10	5.1	10	53.2
Oct	46	27	1,040,494	0.43	124.1	28	174.3	39	45	10	14	3	52.0	12	37.2	8	446.4
Nov	67	57	3,395,860	0.45	426.1	28	767.3	50	105	7	41	3	125.0	8	76.0	5	1,540.6
Dec	67	59	4,890,319	0.59	829.9	29	1,631.3	56	110	4	52	2	162.1	6	105.4	4	2,891.4
Annual	46	23	15,270,226	0.53	2,354.5	29	3,942.8	48	524.8	6	261.0	3	643.1	8	408.5	5	8,134.7
Quarter 1	65	27	4,302,909	0.55	864.2	36	905.7	38	127.2	5	109.1	5	225.9	10	135.7	6	2,367.8
Quarter 2	39	14	1,463,938	0.57	101.2	12	439.7	53	127.3	15	41.2	5	71.2	9	46.8	6	827.5
Quarter 3	21	2	176,705	0.34	9.0	15	24.6	40	9.7	16	3.3	5	6.9	11	7.4	12	60.9
Quarter 4	60	48	9,326,673	0.52	1,380.1	28	2,572.9	53	260.5	5	107.4	2	339.0	7	218.6	4	4,878.5
First Semester	52	21	5,766,847	0.55	965.4	30	1,345.3	42	254.5	8	150.3	5	345.9	11	182.5	6	3,195.2
Second Semester	40	25	9,503,379	0.52	1,389.1	28	2,597.5	53	270.3	5	110.7	2	134.4	3	77.6	2	4,939.4

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

(Database Closed on 14/10/2021)

Country: OTHERS

Year: 2019

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	42	20	908,449	0.29	112.9	43	67.9	26	40.9	15	17	6	0	26.2	10		264.8
Feb	40	10	229,300	0.28	24.0	38	17.6	28	7.5	12	9	13	1.5	2	4.7	7	63.9
Mar	34	12	392,100	0.33	71.2	56	21.4	17	5.7	4	6	5	16.7	13	6.6	5	127.9
Apr	27	3	79,500	0.48	25.4	66	2.3	6	1.2	3	1	3	6.3	16	2.0	5	38.3
May	18	3	74,700	0.52	28.4	73	4.0	10	1.6	4	1	2	1.5	4	3.0	8	39.1
Jun	4	3	78,200	0.50	26.8	69	6.7	17	0.5	1	0	1	2.7	7	1.9	5	39.1
Jul	4	0	0	0.00	0.0	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Aug	2	0	0	0.00	0.0	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Sep	1	0	0	0.00	0.0	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Oct	2	0	0	0.00	0.0	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Nov	2	0	0	0.00	0.0	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Dec	4	3	133,490	0.63	41.7	50	31.0	37	2.4	3	2	3	0.8	1	6.1	7	84.2
Annual	15	5	1,895,739	0.35	330.4	50	150.8	23	59.8	9	35.9	5	29.6	5	50.7	8	657.2
Quarter 1	39	14	1,529,849	0.30	208.1	46	106.9	23	54.0	12	31.7	7	18.2	4	37.5	8	456.6
Quarter 2	16	3	232,400	0.50	80.6	69	13.0	11	3.3	3	2.1	2	10.5	9	7.0	6	116.5
Quarter 3	2	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Quarter 4	3	1	133,490	0.63	41.7	50	31.0	37	2.4	3	2.1	3	0.8	1	6.1	7	84.2
First Semester	28	9	1,762,249	0.33	288.7	50	119.9	21	57.4	10	33.8	6	28.8	5	44.6	8	573.1
Second Semester	3	1	133,490	0.63	41.7	50	31.0	37	2.4	3	2.1	3	0.8	1	6.1	7	84.2

Country: OTHERS

Year: 2020

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	4	3	186,000	0.49	53.7	59	19.1	21	5	5	4	4	0	9.6	11		90.9
Feb	8	1	54,000	0.38	9.8	48	5.4	26	1	6	2	9	1.0	5	1.4	7	20.6
Mar	8	1	27,000	0.44	6.8	57	2.9	25	1	10	0	3	0	0.7	6		12.0
Apr	8	0	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0
May	8	0	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0
Jun	8	0	18,966	2	0	0	0	1	16	44	0	0	20	54	0	1	36.2
Jul	8	0	12,644	1.90	0.0	0	0.1	0	8	35	0	0	15.3	64	0.3	1	24.0
Aug	8	2	34,127	0.77	0.2	1	1.3	5	8	31	0	0	16.2	61	0.4	2	26.4
Sep	8	2	63,536	1.37	0.0	0	3.6	4	49	56	0	0	34.5	40	0.1	0	86.9
Oct	10	7	362,434	0.57	42.1	20	29.3	14	89	43	3	2	36.0	18	5.5	3	205.8
Nov	10	7	422,249	0.52	105.9	49	56.4	26	32	15	4	2	11.4	5	7.7	4	217.5
Dec	15	7	372,896	0.46	70.0	41	78.4	46	14	8	1	1	3.2	2	5.2	3	172.2
Annual	9	3	1,553,852	0.57	288.7	32	196.8	22	223.4	25	15.1	2	137.1	15	31.2	4	892.3
Quarter 1	7	2	267,000	0.46	70.2	57	27.4	22	7.2	6	5.8	5	1.0	1	11.8	10	123.4
Quarter 2	8	0	18,966	1.91	0.0	0	0.2	1	16.1	44	0.0	0	19.6	54	0.3	1	36.2
Quarter 3	8	1	110,307	1.24	0.3	0	5.0	4	65.1	47	0.1	0	65.9	48	0.8	1	137.2
Quarter 4	12	7	1,157,578	0.51	218.1	37	164.2	28	135.1	23	9.1	2	50.6	9	18.4	3	595.5
First Semester	7	1	285,966	0.56	70.3	44	27.6	17	23.3	15	5.8	4	20.6	13	12.0	8	159.6
Second Semester	10	4	1,267,886	0.58	218.4	30	169.2	23	200.1	27	9.2	1	116.5	16	19.2	3	732.7

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

Country: ALL

Area: WIO

Year	Tuna			Sharks							Others	Interactions with		
	Fate	Yellowfin tuna	Bigeye tuna	Blue shark	Mako sharks	Thresher sharks	Hammerhead sharks	Silky shark	Oceanic whitetip shark	Porbeagle	Oilfish	Sea birds	Marine turtles	Marine Mammals
2019	ALIVE	1		560	9	125	2	79	3			110	90	
	DEAD			593	3	36		202		1		124	10	2
	UNKNOWN		580										1	
2019 Total		1	580	1153	12	161	2	281	3	1		234	101	2
2020	ALIVE			468	10	24		45				23	17	
	DEAD			273	125	6		133		1		16	19	1
	UNKNOWN	302		1							1851	1	1	
2020 Total		302		742	135	30		178		1	1851	40	37	1

Country: Seychelles

Area: WIO

Year	Tuna			Sharks							Others	Interactions with		
	Fate	Yellowfin tuna	Bigeye tuna	Blue shark	Mako sharks	Thresher sharks	Hammerhead sharks	Silky shark	Oceanic whitetip shark	Porbeagle	Oilfish	Sea birds	Marine turtles	Marine Mammals
2019	ALIVE	1		560	9	125	2	79	3			110	90	
	DEAD			593	3	36		202		1		124	10	2
	UNKNOWN												1	
2019 Total		1		1153	12	161	2	281	3	1		234	101	2
2020	ALIVE			468	10	24		45				23	17	
	DEAD			273	125	6		133		1		16	19	1
	UNKNOWN			1								1	1	
2020 Total				742	135	30		178		1		40	37	1

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

(Database Closed on 14/10/2021)

Country: ALL

Semester 1, Year: 2010 - 2020

Area: SYC EEZ

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2010	1,117,182	0.32	39.4	11	242.8	68	22.7	6	12.5	3	18.9	5	22.8	6	359.1
2011	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
2012	2,236,385	0.83	255.9	14	1,309.0	71	98.1	5	105.4	6	67.8	4	20.0	1	1,856.3
2013	7,397,036	0.42	432.6	14	1,839.4	59	290.4	9	306.1	10	145.9	5	83.4	3	3,097.8
2014	7,150,969	0.38	737.1	27	1,295.8	48	218.3	8	188.7	7	193.4	7	69.8	3	2,703.1
2015	7,358,909	0.39	775.3	27	1,249.9	43	311.0	11	278.4	10	193.9	7	92.2	3	2,900.6
2016	13,673,906	0.42	1,740.6	30	2,185.8	38	570.4	10	768.7	13	317.8	5	225.8	4	5,809.1
2017	10,650,142	0.34	1,099.1	30	1,309.4	36	455.2	13	343.4	10	262.2	7	137.7	4	3,606.9
2018	9,603,367	0.32	1,343.7	43	754.8	24	388.6	12	239.7	8	234.7	8	148.2	5	3,109.7
2019	8,377,428	0.40	1,416.0	42	853.1	25	292.9	9	183.4	5	418.3	12	200.2	6	3,363.8
2020	8,676,185	0.60	2,046.0	39	1,905.4	37	411.5	8	214.2	4	369.9	7	265.4	5	5,212.5

Country: ALL

Semester 2, Year: 2010 - 2020

Area: SYC EEZ

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2010	4,338,207	0.47	332.6	16	1,276.7	63	72	4	127	6	96.7	5	118.1	6	2,022.6
2011	2,415,460	0.56	400.3	30	701.0	52	64	5	78	6	68.1	5	30.5	2	1,342.6
2012	13,588,854	0.55	1,039.9	14	4,692.7	63	509	7	681	9	364.9	5	152.2	2	7,439.4
2013	7,207,523	0.55	540.1	14	2,802.5	70	174	4	198	5	184.5	5	79.8	2	3,978.7
2014	12,808,336	0.56	1,532.4	21	4,142.8	57	429	6	436	6	474.3	7	209.8	3	7,224.3
2015	14,362,378	0.54	2,176.7	28	3,956.8	51	505	6	659	8	317.7	4	180.0	2	7,795.3
2016	22,149,887	0.44	2,856.3	29	4,546.7	46	771	8	777	8	600.8	6	264.8	3	9,816.7
2017	21,786,365	0.36	2,129.9	27	3,635.9	46	622	8	434	6	606.6	8	412.2	5	7,839.9
2018	17,981,382	0.39	2,517.6	36	2,288.9	33	651	9	391	6	665.8	10	467.6	7	6,981.4
2019	9,732,500	0.68	3,277.4	50	2,012.7	31	322	5	222	3	365.5	6	375.5	6	6,575.6
2020	17,221,491	0.55	3,620.0	38	4,071.3	43	683	7	193	2	553.6	6	379.9	4	9,500.7

Country: ALL

Year: 2010 - 2020

Area: SYC EEZ

Month	Effort	Catch Rate	Catches										Total Catch		
			Yellowfin	Bigeye	Swordfish	Marlin	Shark	Others							
2010	5,455,388	0.44	372.0	16	1,519.5	64	95	4	139	6	115.6	5	140.9	6	2,381.7
2011	2,415,460	0.56	400.3	30	701.0	52	64	5	78	6	68.1	5	30.5	2	1,342.6
2012	15,825,239	0.59	1,295.8	14	6,001.7	65	607	7	786	8	432.8	5	172.2	2	9,295.6
2013	14,604,559	0.48	972.7	14	4,641.9	66	465	7	504	7	330.4	5	163.2	2	7,076.5
2014	19,959,305	0.50	2,269.6	23	5,438.6	55	648	7	624	6	667.8	7	279.6	3	9,927.4
2015	21,721,287	0.49	2,952.0	28	5,206.7	49	816	8	937	9	511.5	5	272.1	3	10,695.8
2016	35,823,793	0.44	4,597.0	29	6,732.4	43	1341	9	1546	10	918.7	6	490.6	3	15,625.8
2017	32,436,507	0.35	3,229.0	28	4,945.2	43	1077	9	777	7	868.8	8	549.9	5	11,446.9
2018	27,584,749	0.37	3,861.3	38	3,043.7	30	1039	10	631	6	900.5	9	615.8	6	10,091.1
2019	18,109,928	0.55	4,693.5	47	2,865.8	29	615	6	406	4	783.7	8	575.6	6	9,939.3
2020	25,897,676	0.57	5,666.0	39	5,976.7	41	1094	7	407	3	923.5	6	645.3	4	14,713.1

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

(Database Closed on 14/10/2021)

Country: ALL

Year: 2019

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	170	119	4,584,669	0.37	689.9	41	460.0	27	154	9	97	6	169.6	10	126.5	7	1,696.8
Feb	166	84	1,062,022	0.36	133.6	35	94.8	25	37	10	31	8	64.0	17	17.9	5	378.4
Mar	161	92	1,358,366	0.37	193.7	38	153.3	30	35	7	26	5	80.8	16	19.8	4	508.3
Apr	138	63	798,683	0.60	243.0	51	98.9	21	30	6	18	4	66.8	14	20.1	4	477.3
May	110	69	439,544	0.54	123.3	52	37.6	16	30	12	10	4	29.1	12	8.7	4	238.7
Jun	94	53	134,144	0.48	32.6	51	8.5	13	7	11	1	2	7.9	12	7.2	11	64.3
Jul	94	43	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0
Aug	93	41	53,429	0.25	2.3	17	2.7	20	3	20	0	2	1.4	11	4.0	30	13.2
Sep	114	48	256,653	0.40	46.9	46	29.4	29	6	6	2	2	4.2	4	13.3	13	102.1
Oct	116	72	959,892	0.50	207.1	43	156.6	33	31	7	20	4	27.6	6	37.9	8	481.0
Nov	118	93	3,065,214	0.71	1,154.7	53	579.5	26	129	6	73	3	126.6	6	127.8	6	2,190.0
Dec	126	114	5,397,312	0.70	1,866.5	49	1,244.5	33	153	4	127	3	205.7	5	192.5	5	3,789.1
Annual	125	74	18,109,928	0.55	4,693.5	47	2,865.8	29	615.1	6	405.5	4	783.7	8	575.6	6	9,939.3
Quarter 1	166	98	7,005,056	0.37	1,017.1	39	708.1	27	225.9	9	153.8	6	314.4	12	164.2	6	2,583.5
Quarter 2	114	62	1,372,371	0.57	398.9	51	145.0	19	67.0	9	29.6	4	103.8	13	36.0	5	780.3
Quarter 3	100	44	310,082	0.37	49.1	43	32.1	28	9.0	8	2.3	2	5.6	5	17.3	15	115.4
Quarter 4	120	93	9,422,418	0.69	3,228.3	50	1,980.6	31	313.3	5	219.9	3	359.9	6	358.2	6	6,460.2
First Semester	140	80	8,377,428	0.40	1,416.0	42	853.1	25	292.9	9	183.4	5	418.3	12	200.2	6	3,363.8
Second Semester	110	69	9,732,500	0.68	3,277.4	50	2,012.7	31	322.3	5	222.2	3	365.5	6	375.5	6	6,575.6

Country: ALL

Year: 2020

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	128	109	4,898,793	0.57	1,229.2	44	943.7	34	142	5	120	4	201.8	7	147.8	5	2,784.8
Feb	132	66	829,358	0.53	184.8	42	138.5	32	21	5	15	4	52.2	12	25.8	6	437.8
Mar	133	58	594,093	0.46	62.7	23	124.5	45	29	11	12	4	29.4	11	17.4	6	274.6
Apr	117	69	743,819	0.84	197.3	32	297.9	48	47	8	31	5	24.6	4	23.8	4	621.9
May	106	73	1,305,689	0.69	320.0	36	361.7	40	118	13	30	3	31.7	4	39.2	4	901.0
Jun	95	53	304,433	0.63	52.1	27	39.2	20	54	28	5	3	30.2	16	11.4	6	192.4
Jul	84	51	62,571	0.59	1.4	4	1.9	5	13	35	1	3	16.8	45	2.8	8	37.1
Aug	85	47	62,593	0.51	2.5	8	3.2	10	9	26	1	2	16.3	51	1.1	3	32.2
Sep	92	49	519,950	0.58	107.6	36	62.7	21	71	23	6	2	44.1	15	11.2	4	302.8
Oct	115	79	2,820,729	0.53	641.8	43	459.7	31	183	12	26	2	103.6	7	68.2	5	1,482.1
Nov	137	112	5,743,632	0.51	1,190.1	41	1,177.3	41	191	7	62	2	166.1	6	117.2	4	2,904.0
Dec	143	113	8,012,015	0.59	1,676.5	35	2,366.4	50	216	5	97	2	206.7	4	179.4	4	4,742.6
Annual	114	73	25,897,676	0.57	5,666.0	39	5,976.7	41	1,094.3	7	407.4	3	923.5	6	645.3	4	14,713.1
Quarter 1	131	78	6,322,244	0.55	1,476.6	42	1,206.66	35	192.0	5	147.5	4	283.4	8	191.0	5	3,497.1
Quarter 2	106	65	2,353,941	0.73	569.4	33	698.77	41	219.5	13	66.7	4	86.5	5	74.4	4	1,715.3
Quarter 3	87	49	645,115	0.58	111.5	30	67.89	18	92.4	25	7.9	2	77.2	21	15.1	4	372.0
Quarter 4	132	101	16,576,376	0.55	3,508.5	38	4,003.39	44	590.3	6	185.2	2	476.4	5	364.8	4	9,128.7
First Semester	119	71	8,676,185	0.60	2,046.0	39	1,905.4	37	411.5	8	214.2	4	369.9	7	265.4	5	5,212.5
Second Semester	109	75	3,839,964	2.47	3,620.0	38	4,071.3	43	682.7	7	193.2	2	553.6	6	379.9	4	9,500.7

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

(Database Closed on 14/10/2021)

Country: SEYCHELLES

Year: 2019

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (VT/1000 Hook)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	54	49	1,015,619	0.34	137.1	39	104.3	30	31.3	9	16.5	5	40.2	11	20.8	6	350.2
Feb	53	46	251,679	0.33	28.9	35	24.8	30	7.7	9	5.1	6	13.1	16	2.9	4	82.5
Mar	53	43	233,647	0.48	61.3	55	31.9	29	6.9	6	4.0	4	4.4	4	3.3	3	111.8
Apr	53	43	176,258	0.83	96.8	66	26.0	18	8.4	6	3.5	2	5.3	4	5.9	4	145.9
May	54	46	37,844	0.76	22.9	80	3.1	11	1.9	7	0.3	1	0.1	0	0.5	2	28.8
Jun	54	48	49,004	0.43	2.6	12	2.1	10	6.2	30	0.6	3	4.5	21	5.0	24	20.9
Jul	56	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	55	40	23,029	0.17	1.8	48	1.0	27	0.5	13	0.1	3	0.2	5	0.2	5	3.8
Sep	57	43	210,953	0.43	45.3	50	25.6	28	4.1	5	1.6	2	2.6	3	10.8	12	90.0
Oct	57	46	365,852	0.59	117.9	54	56.9	26	14.4	7	6.5	3	7.3	3	14.8	7	217.6
Nov	57	49	1,114,183	0.79	516.8	59	210.9	24	55.7	6	25.0	3	22.9	3	44.4	5	875.7
Dec	57	52	1,959,952	0.81	1,000.4	63	385.6	24	61.8	4	44.0	3	44.8	3	54.1	3	1,590.7
Annual	55	42	5,438,020	0.65	2,031.7	58	872.2	25	198.8	6	107.3	3	145.2	4	162.6	5	3,517.9
Quarter 1	53	46	1,500,944	0.36	227.2	42	161.0	30	45.9	8	25.7	5	57.7	11	27.0	5	544.5
Quarter 2	54	46	263,106	0.74	122.3	63	31.2	16	16.5	8	4.4	2	9.8	5	11.4	6	195.6
Quarter 3	56	28	233,982	0.40	47.1	50	26.6	28	4.6	5	1.7	2	2.7	3	11.0	12	93.8
Quarter 4	57	49	3,439,988	0.78	1,635.0	61	653.4	24	131.9	5	75.5	3	75.0	3	113.3	4	2,684.0
First Semester	54	46	1,764,051	0.42	349.6	47	192.2	26	62.4	8	30.1	4	67.5	9	38.3	5	740.1
Second Semester	57	38	3,673,970	0.76	1,682.2	61	679.9	24	136.5	5	77.2	3	77.7	3	124.3	4	2,777.8

Country: SEYCHELLES

Year: 2020

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (VT/1000 Hook)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	59	51	1,538,802	0.58	457.9	51	272.4	30	53	6	32	4	44.0	5	35.6	4	894.8
Feb	59	44	207,204	0.81	102.8	61	28.2	17	6	3	5	3	16.8	10	11.0	7	168.8
Mar	59	51	331,756	0.45	50.4	34	66.1	44	10	7	7	5	9.5	6	5.3	4	149.1
Apr	59	52	444,602	0.98	170.9	39	189.3	43	31	7	23	5	8.7	2	15.1	3	437.2
May	60	50	691,692	0.81	271.2	49	181.9	33	61	11	14	2	12.7	2	17.8	3	558.0
Jun	58	50	205,437	0.50	47.0	46	28.0	27	13	13	5	5	4.3	4	5.6	5	103.0
Jul	58	49	24,707	0	1	25	2	30	1	22	1	15	0	0	0	7	5.4
Aug	58	45	28,466	0	2	39	2	34	0	6	1	9	0	2	1	11	5.8
Sep	59	43	307,929	0.53	98.5	60	35.0	21	16	10	3	2	4.4	3	6.2	4	163.5
Oct	59	45	1,446,317	0.59	476.3	56	258.2	30	60	7	9	1	18.3	2	25.8	3	847.3
Nov	60	48	2,021,422	0.59	664.7	56	371.7	31	66	6	18	1	34.7	3	35.2	3	1,189.7
Dec	61	47	2,955,125	0.63	827.4	45	759.6	41	99	5	46	2	47.9	3	72.8	4	1,852.4
Annual	59	48	10,203,461	0.62	3,170.7	50	2,194.0	34	415.3	7	162.4	3	201.3	3	231.4	4	6,375.1
Quarter 1	59	49	2,077,763	0.58	611.1	50	366.7	30	68.8	6	44.1	4	70.3	6	52.0	4	1,212.8
Quarter 2	59	51	1,341,731	0.82	489.1	45	399.2	36	104.4	10	41.3	4	25.7	2	38.5	4	1,098.2
Quarter 3	58	46	361,103	0.48	102.1	58	38.6	22	17.8	10	4.4	3	4.5	3	7.2	4	174.6
Quarter 4	60	47	6,422,864	0.61	1,968.4	51	1,389.5	36	224.3	6	72.6	2	100.9	3	133.8	3	3,889.4
First Semester	59	50	3,419,494	0.68	1,100.1	48	765.9	33	173.2	7	85.4	4	96.0	4	90.5	4	2,311.0
Second Semester	59	46	6,783,967	0.60	2,070.6	51	1,428.1	35	242.1	6	77.0	2	105.3	3	141.0	3	4,064.0

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

(Database Closed on 14/10/2021)

Country: TAIWAN PROVINCE OF CHINA
Year: 2019
Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	74	50	2,674,597	0.41	440.8	41	288.8	27	82.9	8	63.7	6	129.4	12	80.1	7	1085.6
Feb	73	28	584,543	0.40	80.8	35	52.6	23	21.7	9	17.5	8	49.4	21	11.0	5	233.1
Mar	74	37	732,619	0.37	61.1	23	99.9	37	22.2	8	15.9	6	59.6	22	9.9	4	268.7
Apr	58	17	546,425	0.54	121.8	41	70.8	24	20.7	7	13.6	5	55.4	19	12.3	4	294.5
May	38	20	341,100	0.53	79.6	44	31.0	17	26.4	15	9.3	5	27.8	15	5.7	3	179.7
Jun	36	2	9,940	0.55	3.7	67	0.1	3	0.2	3	0.4	7	0.7	12	0.4	7	5.5
Jul	34	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	36	1	30,400	0	0.4	5	2	18	2.2	23	0.1	1	1.2	13	3.8	40	9.4
Sep	56	5	45,700	0.27	1.6	13	3.8	32	2.2	18	0.5	4	1.6	13	2.5	20	12.2
Oct	57	26	594,040	0.44	89.2	34	99.7	38	17.0	6	14.0	5	20.3	8	23.2	9	263.4
Nov	59	44	1,951,031	0.67	637.9	49	368.6	28	73.0	6	47.8	4	103.7	8	83.3	6	1314.4
Dec	65	59	3,314,810	0.64	829.1	39	829.4	39	89.3	4	80.7	4	160.0	8	133.0	6	2121.6
Annual	55	24	10,825,205	0.53	2,346.0	41	1,846.6	32	357.8	6	263.4	5	609.2	11	365.1	6	5,788.0
Quarter 1	74	38	3,991,759	0.40	582.7	37	441.4	28	126.8	8	97.1	6	238.5	15	101.0	6	1,587.4
Quarter 2	44	13	897,465	0.53	205.0	43	102.0	21	47.2	10	23.2	5	83.8	17	18.4	4	479.7
Quarter 3	42	2	76,100	0.28	2.0	9	5.5	26	4.4	20	0.6	3	2.9	13	6.3	29	21.6
Quarter 4	60	43	5,859,881	0.63	1,556.3	42	1,297.7	35	179.4	5	142.5	4	284.1	8	239.5	6	3,699.4
First Semester	59	26	4,889,224	0.42	787.7	38	543.4	26	174.0	8	120.3	6	322.3	16	119.3	6	2,067.1
Second Semester	51	23	5,935,981	0.63	1,558.3	42	1,303.2	35	183.7	5	143.1	4	286.9	8	245.7	7	3,720.9

Country: TAIWAN PROVINCE OF CHINA
Year: 2020
Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	65	55	3,188,990	0.57	720.2	40	654.4	36	84	5	85	5	157.8	9	103.3	6	1804.9
Feb	65	21	568,154	0.44	72.2	29	105.0	42	14	6	9	4	34.4	14	13.4	5	248.4
Mar	66	6	238,337	0.49	6.8	6	56.2	49	18	15	4	3	19.9	17	11.4	10	115.9
Apr	50	17	299,217	0.62	26.4	14	108.6	59	17	9	5	5	15.9	9	8.7	5	184.7
May	38	23	613,997	0.56	48.8	14	179.8	52	58	17	16	5	19.0	6	21.4	6	343.0
Jun	29	3	80,030	0.66	5.1	10	11.0	21	25	47	1	1	6.3	12	5.5	10	53.2
Jul	18	2	25,220	0	0	0	0	2	4	46	0	3	2	20	2	29	7.7
Aug	19	0	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0
Sep	25	4	148,485	0.35	9.0	17	24.1	46	6	11	3	6	5.2	10	4.9	9	52.4
Oct	46	27	1,024,622	0.43	123.4	28	172.4	39	45	10	13	3	51.5	12	36.9	8	442.7
Nov	67	57	3,322,093	0.46	420.8	28	752.4	50	104	7	41	3	123.2	8	75.1	5	1516.2
Dec	67	59	4,693,819	0.58	780.6	29	1530.1	56	104	4	50	2	155.7	6	101.5	4	2721.4
Annual	46	23	14,202,964	0.53	2,213.3	30	3,594.1	48	477.6	6	230.7	3	590.5	8	384.4	5	7,490.6
Quarter 1	65	27	3,995,481	0.54	799.2	37	815.6	38	116.2	5	98.1	5	212.1	10	128.1	6	2,169.2
Quarter 2	39	14	993,244	0.58	80.3	14	299.4	52	99.0	17	25.4	4	41.2	7	35.6	6	580.9
Quarter 3	21	2	173,705	0.35	9.0	15	24.3	40	9.5	16	3.3	6	6.8	11	7.1	12	60.2
Quarter 4	60	48	9,040,533	0.52	1,324.8	28	2,454.9	52	252.9	5	103.9	2	330.4	7	213.5	5	4,680.4
First Semester	52	21	4,988,725	0.55	879.5	32	1,115.0	41	215.2	8	123.5	4	253.3	9	163.7	6	2,750.1
Second Semester	40	25	9,214,238	0.51	1,333.8	28	2,479.2	52	262.5	6	107.2	2	337.2	7	220.7	5	4,740.5

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

(Database Closed on 14/10/2021)

Country: OTHERS

Year: 2019

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	42	20	894,453	0.29	112.0	43	66.9	26	40.1	15	16.4	6	0	25.6	10		261.0
Feb	40	10	225,800	0.28	23.9	38	17.4	28	7.4	12	8.5	14	1.5	2	4.0	6	62.8
Mar	34	12	392,100	0.33	71.2	56	21.4	17	5.7	4	6.1	5	16.7	13	6.6	5	127.9
Apr	27	3	76,000	0.49	24.5	66	2.1	6	1.2	3	1.1	3	6.2	17	1.9	5	36.9
May	18	3	60,600	0.50	20.8	69	3.5	12	1.5	5	0.6	2	1.3	4	2.5	8	30.2
Jun	4	3	75,200	0.50	26.3	69	6.2	16	0.5	1	0.3	1	2.7	7	1.9	5	37.9
Jul	4	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Aug	2	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Sep	1	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Oct	2	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nov	2	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Dec	4	3	122,550	0.63	37.0	48	29.6	38	2.0	3	2.0	3	0.8	1	5.5	7	76.8
Annual	15	5	1,846,703	0.34	315.7	50	147.0	23	58.5	9	34.9	6	29.3	5	48.0	8	633.4
Quarter 1	39	14	1,512,353	0.30	207.2	46	105.7	23	53.2	12	31.0	7	18.2	4	36.3	8	451.6
Quarter 2	16	3	211,800	0.50	71.6	68	11.7	11	3.3	3	1.9	2	10.2	10	6.2	6	105.0
Quarter 3	2	0	0	0.00	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Quarter 4	3	1	122,550	0.63	37.0	48	29.6	38	2.0	3	2.0	3	0.8	1	5.5	7	76.8
First Semester	28	9	1,724,153	0.32	278.8	50	117.5	21	56.5	10	32.9	6	28.4	5	42.5	8	556.6
Second Semester	3	1	122,550	0.63	37.0	48	29.6	38	2.0	3	2.0	3	0.8	1	5.5	7	76.8

Country: OTHERS

Year: 2020

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	4	3	171,000	0.50	51.1	60	16.9	20	5	6	3	4	0	9.0	11		85.0
Feb	8	1	54,000	0.38	9.8	48	5.4	26	1	6	2	9	1.0	5	1.4	7	20.6
Mar	8	1	24,000	0.40	5.4	57	2.1	22	1	12	0	2	0	0.6	7		9.5
Apr	8	0	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0
May	8	0	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0
Jun	8	0	18,966	2	0	0	0	1	16	44	0	20	54	0	1		36
Jul	8	0	12,644	1.90	0.0	0	0.1	0	8	35	0	15.3	64	0.3	1		24.0
Aug	8	2	34,127	0.77	0.2	1	1.3	5	8	31	0	16.2	61	0.4	2		26.4
Sep	8	2	63,536	1.37	0.0	0	3.6	4	49	56	0	34.5	40	0.1	0		86.9
Oct	10	7	349,790	0.55	42.1	22	29.1	15	78	41	3	33.8	18	5.5	3		192.0
Nov	10	7	400,118	0.50	104.6	53	53.2	27	21	11	4	8.3	4	6.9	3		198.1
Dec	15	7	363,071	0.46	68.6	41	76.7	45	14	8	1	3.2	2	5.1	3		168.7
Annual	9	3	1,491,252	0.57	282.0	33	188.6	22	201.4	24	14.3	2	131.7	16	29.5	3	847.5
Quarter 1	7	2	249,000	0.46	66.4	58	24.4	21	7.1	6	5.3	5	1.0	1	10.9	10	115.1
Quarter 2	8	0	18,966	1.91	0.0	0	0.2	1	16.1	44	0.0	19.6	54	0.3	1		36.2
Quarter 3	8	1	110,307	1.24	0.3	0	5.0	4	65.1	47	0.1	65.9	48	0.8	1		137.2
Quarter 4	12	7	1,112,979	0.50	215.3	39	159.0	28	113.1	20	8.8	2	45.2	8	17.5	3	558.9
First Semester	7	1	267,966	0.56	66.4	44	24.6	16	23.2	15	5.3	4	20.6	14	11.2	7	151.4
Second Semester	10	4	1,223,286	0.57	215.6	31	164.0	24	178.2	26	8.9	1	111.1	16	18.3	3	696.1

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

(Database Closed on 14/10/2021)

Country: SEYCHELLES

Area: WIO

Year: 2010 - 2020

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2010	17,629,497	0.38	527.5	8	3384.5	51	409	6	214	3	282.4	4	1841.1	28	6658.7
2011	16,334,209	0.46	1183.8	16	4081.8	54	396	5	285	4	282.5	4	1336.8	18	7565.8
2012	19,565,233	0.77	1220.1	8	10750.2	71	1082	7	1109	7	388.8	3	566.8	4	15117.3
2013	23,477,396	0.49	1176.7	10	6193.1	54	945	8	564	5	392.3	3	2159.8	19	11431.2
2014	21,585,172	0.50	1643.2	15	5260.0	49	965	9	687	6	583.4	5	1551.4	15	10689.3
2015	22,825,037	0.55	2306.4	18	5835.2	47	1621	13	1238	10	435.8	3	1082.7	9	12519.7
2016	34,617,894	0.43	2634.3	18	5266.8	35	1863	12	1548	10	496.4	3	3200.5	21	15008.7
2017	35,280,712	0.42	3422.9	23	3897.0	27	1468	10	908	6	607.0	4	4400.5	30	14703.8
2018	39,370,820	0.45	5845.2	33	3675.4	21	2223	13	1085	6	1197.2	7	3531.4	20	17557.8
2019	39,154,221	0.58	8978.3	39	5265.3	23	2090	9	753	3	1292.7	6	4486.5	20	22865.8
2020	40,551,445	0.55	7775.0	35	7391.1	33	1721	8	654	3	903.7	4	4024.6	18	22469.3

Country: SEYCHELLES

Area: Seychelles EEZ

Year: 2010 - 2020

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2010	1,444,072	0.44	79.4	13	432.2	68	27	4	27	4	32.1	5	34.7	5	632.4
2011	1,233,609	0.61	236.2	31	382.2	51	38	5	34	5	43.5	6	18.1	2	752.1
2012	2,630,029	0.71	195.5	10	1375.6	74	118	6	116	6	38.5	2	19.2	1	1863.2
2013	4,744,165	0.58	372.6	14	1973.8	72	137	5	126	5	78.3	3	43.2	2	2731.6
2014	5,876,348	0.52	638.8	21	1848.1	61	191	6	147	5	134.7	4	71.5	2	3031.2
2015	6,742,755	0.49	980.3	30	1663.6	50	281	8	242	7	100.0	3	46.6	1	3313.6
2016	10,071,951	0.42	1126.5	27	1978.4	47	460	11	431	10	154.4	4	89.0	2	4239.6
2017	8,432,538	0.39	1181.4	36	1359.6	41	310	9	198	6	154.9	5	123.5	4	3327.7
2018	8,023,333	0.42	1565.2	46	832.2	25	335	10	176	5	316.2	9	157.6	5	3382.2
2019	5,438,020	0.65	2031.7	58	872.2	25	199	6	107	3	145.2	4	162.6	5	3517.9
2020	10,203,461	0.62	3170.7	50	2194.0	34	415	7	162	3	201.3	3	231.4	4	6375.1

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

(Database Closed on 14/10/2021)

Country: SEYCHELLES

Year: 2019

Area	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)	Cummulative Total (Mt)
				Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others			
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)		
Seychelles EEZ	1	1,500,944	0.36	227.2	42	161.0	30	46	8	26	5	57.7	11	27.0	5	544.5	544.5
	2	263,106	0.74	122.3	63	31.2	16	16	8	4	2	9.8	5	11.4	6	195.6	740.1
	3	233,982	0.40	47.1	50	26.6	28	5	5	2	2	2.7	3	11.0	12	93.8	833.9
	4	3,439,988	0.78	1635.0	61	653.4	24	132	5	75	3	75.0	3	113.3	4	2684.0	3517.9
SYC EEZ Total		5,438,020	0.65	2031.7	58	872.2	25	199	6	107	3	145.2	4	162.6	5	3517.9	
Foreign EEZ	1	1,292,078	0.81	508.1	49	251.9	24	66	6	43	4	92.1	9	81.1	8	1041.8	1041.8
	2	2,051,026	0.83	1090.0	64	175.0	10	207	12	20	1	87.2	5	132.7	8	1711.7	2753.5
	3	1,723,730	0.60	376.3	36	262.0	25	106	10	13	1	113.8	11	168.6	16	1039.2	3792.8
	4	1,979,467	0.63	423.6	34	583.3	47	68	5	31	3	64.4	5	70.0	6	1240.4	5033.2
Foreign EEZ Total		7,046,300	0.71	2398.1	48	1272.1	25	446	9	107	2	357.5	7	452.4	9	5033.2	
High Seas	1	6,353,310	0.47	1174.7	40	594.8	20	405	14	169	6	236.0	8	384.9	13	2965.0	2965.0
	2	7,834,361	0.62	1526.8	32	973.3	20	535	11	168	3	197.0	4	1426.4	30	4826.9	7791.9
	3	6,687,166	0.51	541.9	16	735.2	22	262	8	85	3	223.9	7	1544.6	46	3392.9	11184.8
	4	5,795,063	0.54	1305.2	42	817.7	26	242	8	117	4	133.2	4	515.5	16	3129.9	14314.8
High Seas Total		26,669,900	0.54	4548.5	32	3120.9	22	1445	10	539	4	790.0	6	3871.4	27	14314.8	
WIO Total	1	9,146,333	0.50	1910.0	42	1007.6	22	516.8	11	238.1	5	385.8	8	492.9	11	4551.4	4551.4
	2	10,148,493	0.66	2739.1	24	1179.5	10	758.8	7	192.3	2	294.0	3	1570.5	14	6734.2	11285.6
	3	8,644,878	0.52	965.3	6	1023.8	6	372.5	2	99.7	1	340.5	2	1724.2	11	4525.9	15811.5
	4	11,214,517	0.63	3363.8	15	2054.4	9	441.7	2	223.1	1	272.5	1	698.8	3	7054.4	22865.8
Grand Total		39,154,221	0.58	8978.3	39	5265.3	23	2089.9	9	753.2	3	1292.7	6	4486.5	20	22865.8	

Country: SEYCHELLES

Year: 2020

Area	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)	Cummulative Total (Mt)
				Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others			
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)		
Seychelles EEZ	1	2,077,763	0.58	611.1	50	366.7	30	69	6	44	4	70.3	6	52.0	4	1212.8	1212.8
	2	1,341,731	0.82	489.1	45	399.2	36	104	10	41	4	25.7	2	38.5	4	1098.2	2311.0
	3	361,103	0.48	102.1	58	38.6	22	18	10	4	3	4.5	3	7.2	4	174.6	2485.6
	4	6,422,864	0.61	1968.4	51	1389.5	36	224	6	73	2	100.9	3	133.8	3	3889.4	6375.1
SYC EEZ Total		10,203,461	0.62	3170.7	50	2194.0	34	415	7	162	3	201.3	3	231.4	4	6375.1	
Foreign EEZ	1	797,243	0.79	280.6	45	218.6	35	43	7	21	3	45.7	7	20.8	3	629.4	629.4
	2	911,657	0.85	376.2	49	200.8	26	106	14	18	2	22.5	3	50.8	7	774.1	1403.5
	3	650,915	0.44	34.9	12	116.1	41	23	8	4	1	84.2	29	24.0	8	286.3	1689.8
	4	679,876	0.68	121.9	26	234.4	51	21	4	10	2	51.1	11	24.0	5	462.1	2151.9
Foreign EEZ Total		3,039,691	0.71	813.6	38	769.9	36	192	9	53	2	203.5	9	119.6	6	2151.9	
High Seas	1	6,427,736	0.59	1757.6	47	1260.6	33	248	7	140	4	91.5	2	272.7	7	3769.9	3769.9
	2	8,796,710	0.58	1228.1	24	1680.9	33	463	9	197	4	141.4	3	1388.7	27	5098.5	8868.4
	3	9,197,318	0.42	614.3	16	967.4	25	326	8	83	2	206.6	5	1670.5	43	3867.9	12736.3
	4	2,886,531	0.42	190.7	16	518.4	43	76	6	20	2	59.6	5	341.5	28	1206.1	13942.4
High Seas Total		27,308,294	0.51	3790.6	27	4427.2	32	1113	8	439	3	499.0	4	3673.5	26	13942.4	
WIO Total	1	9,302,742	0.60	2649.2	47	1845.8	33	359.7	6	204.3	4	207.5	4	345.5	6	5612.1	5612.1
	2	11,050,098	0.63	2093.4	17	2280.9	18	672.9	5	256.2	2	189.5	2	1478.0	12	6970.8	12582.9
	3	10,209,335	0.42	751.3	4	1122.1	7	367.3	2	91.1	1	295.3	2	1701.7	10	4328.8	16911.7
	4	9,989,271	0.56	2281.0	10	2142.3	10	321.0	1	102.4	0	211.5	1	499.3	2	5557.6	22469.3
Grand Total		40,551,445	0.55	7775.0	35	7391.1	33	1721.0	8	654.0	3	903.7	4	4024.6	18	22469.3	

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

(Database Closed on 14/10/2021)

Country: All

Year: 2019

Quarter	Flag	Effort (Hooks)			Total Catch		
		SYC EEZ	Foreign EEZ	High Seas	SYC EEZ	Foreign EEZ	High Seas
Quarter 1 Total	1 Seychelles	16%	14%	69%	12%	23%	65%
	Taiwan Province of China	89%	1%	10%	88%	2%	10%
	Others	99%	0%	1%	99%	0%	1%
Quarter 1 Total		46%	9%	45%	38%	16%	46%
Quarter 2 Total	2 Seychelles	3%	20%	77%	3%	25%	72%
	Taiwan Province of China	80%	0%	20%	81%	0%	19%
	Others	91%	1%	8%	90%	1%	9%
Quarter 2 Total		12%	18%	70%	10%	23%	66%
Quarter 3 Total	3 Seychelles	3%	20%	77%	2%	23%	75%
	Taiwan Province of China	93%	7%	0%	92%	8%	0%
	Others						
Quarter 3 Total		4%	20%	77%	3%	23%	75%
Quarter 4 Total	4 Seychelles	31%	18%	52%	38%	18%	44%
	Taiwan Province of China	89%	7%	4%	89%	7%	4%
	Others	92%	8%	0%	91%	9%	0%
Quarter 4 Total		52%	14%	34%	57%	13%	29%
Semester 1		31%	13%	56%	24%	20%	57%
Semester 2		36%	16%	48%	42%	16%	42%
Year Total		34%	14%	52%	33%	18%	49%

Country: ALL

Year: 2020

Quarter	Flag	Effort (Hooks)			Total Catch		
		SYC EEZ	Foreign EEZ	High Seas	SYC EEZ	Foreign EEZ	High Seas
Quarter 1 Total	1 Seychelles	22%	9%	69%	22%	11%	67%
	Taiwan Province of China	93%	0%	7%	92%	0%	8%
	Others	93%	0%	7%	93%	0%	7%
Quarter 1 Total		46%	6%	49%	43%	8%	49%
Quarter 2 Total	2 Seychelles	12%	8%	80%	16%	11%	73%
	Taiwan Province of China	68%	0%	32%	70%	0%	30%
	Others	100%	0%	0%	100%	0%	0%
Quarter 2 Total		19%	7%	74%	22%	10%	68%
Quarter 3 Total	3 Seychelles	4%	6%	90%	4%	7%	89%
	Taiwan Province of China	98%	0%	2%	99%	0%	1%
	Others	100%	0%	0%	100%	0%	0%
Quarter 3 Total		6%	6%	88%	8%	6%	85%
Quarter 4 Total	4 Seychelles	64%	7%	29%	70%	8%	22%
	Taiwan Province of China	97%	1%	2%	96%	1%	4%
	Others	96%	0%	4%	94%	0%	6%
Quarter 4 Total		81%	4%	15%	83%	4%	13%
Semester 1		33%	6%	61%	33%	9%	58%
Semester 2		56%	5%	40%	61%	5%	34%
Year Total		45%	5%	49%	47%	7%	46%

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

(Database Closed on 14/10/2021)

Country: Seychelles

Semester 1, Year: 2010 - 2020

Area: WIO

Month	Effort		Catch Rate		Catches										Total Catch (Mt)
	(Hooks)	(MT/1000 Hooks)	Yellowfin (Mt)	(%)	Bigeeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
2010	9,992,742	0.37	219.3	6	1,807.0	49	235	6	96	3	177.2	5	1,170.1	32	3,704.7
2011	7,938,200	0.39	231.9	7	1,603.4	52	137	4	96	3	120.3	4	918.9	30	3,107.6
2012	8,142,925	0.86	592.9	8	5,197.4	74	443	6	424	6	96.6	1	263.4	4	7,016.8
2013	12,332,562	0.47	503.4	9	2,910.2	50	591	10	340	6	143.6	2	1,296.8	22	5,785.4
2014	11,407,738	0.48	1,046.6	19	2,545.8	47	579	11	400	7	198.0	4	677.6	12	5,446.9
2015	10,941,202	0.53	1,099.4	19	2,799.5	48	743	13	579	10	175.8	3	410.2	7	5,806.7
2016	16,665,906	0.45	1,593.1	21	2,658.5	35	749	10	924	12	273.0	4	1,330.9	18	7,528.7
2017	16,036,095	0.43	1,603.0	23	1,734.9	25	745	11	523	8	230.6	3	2,043.3	30	6,879.7
2018	18,783,426	0.44	2,827.2	34	1,679.3	20	1034	13	655	8	479.3	6	1,585.6	19	8,260.4
2019	19,294,826	0.58	4,649.2	41	2,187.1	19	1276	11	430	4	679.8	6	2,063.4	18	11,285.6
2020	20,352,839	0.62	4,742.6	38	4,126.7	33	1033	8	460	4	397.0	3	1,823.5	14	12,582.9

Country: Seychelles

Semester 2, Year: 2010 - 2020

Area: WIO

Month	Effort		Catch Rate		Catches										Total Catch (Mt)
	(Hooks)	(MT/1000 Hooks)	Yellowfin (Mt)	(%)	Bigeeye (Mt)	(%)	Swordfish (Mt)	(%)	Marlin (Mt)	(%)	Shark (Mt)	(%)	Others (Mt)	(%)	
2010	7,636,756	0.39	308.2	10	1,577.5	53	173	6	119	4	105.1	4	671.0	23	2,954.0
2011	8,396,009	0.53	951.9	21	2,478.4	56	259	6	189	4	162.3	4	417.9	9	4,458.2
2012	11,422,308	0.71	627.3	8	5,552.8	69	640	8	685	8	292.2	4	303.3	4	8,100.5
2013	11,144,834	0.51	673.3	12	3,282.9	58	353	6	224	4	248.7	4	863.0	15	5,645.8
2014	10,177,435	0.52	596.5	11	2,714.3	52	386	7	286	5	385.5	7	873.7	17	5,242.4
2015	11,883,834	0.56	1,207.1	18	3,035.7	45	878	13	660	10	260.0	4	672.5	10	6,713.0
2016	17,951,987	0.42	1,041.2	14	2,608.2	35	1114	15	624	8	223.4	3	1,869.6	25	7,480.0
2017	19,244,616	0.41	1,819.9	23	2,162.1	28	723	9	385	5	376.4	5	2,357.2	30	7,824.1
2018	20,587,394	0.45	3,018.0	32	1,996.1	21	1189	13	431	5	717.9	8	1,945.9	21	9,297.4
2019	19,859,395	0.58	4,329.1	37	3,078.2	27	814	7	323	3	612.9	5	2,423.0	21	11,580.3
2020	20,198,606	0.49	3,032.3	31	3,264.4	33	688	7	194	2	506.7	5	2,201.0	22	9,886.4

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

(Database Closed on 14/10/2021)

Area: Seychelles EEZ

Year: 2019

Access Regime	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)	Cumulative Total (Mt)
				Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others			
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)
National	1	1500944	0.36	227.2	42	161.0	30	46	8	26	5	57.7	11	27.0	4.9	544.5	544.5
	2	263106	0.74	122.3	63	31.2	16	16	8	4	2	9.8	5	11.4	5.8	195.6	740.1
	3	233982	0.40	47.1	50	26.6	28	5	5	2	2	2.7	3	11.0	11.7	93.8	833.9
	4	3439988	0.78	1635.0	61	653.4	24	132	5	75	3	75.0	3	113.3	4.2	2684.0	3517.9
National Total		5438020	0.65	2031.7	58	872.2	25	199	6	107	3	145.2	4	162.6	4.6	3517.9	
TTA ¹	1	1730496	0.42	239.0	33	211.0	29	68	9	46	6	105.5	15	48.7	6.8	718.3	718.3
	2	374385	0.55	99.1	48	43.0	21	17	8	13	6	29.2	14	6.0	2.9	207.4	925.7
	3	72900	0.28	1.7	8	5.2	25	4	20	1	3	2.8	13	6.2	29.9	20.7	946.4
	4	5566211	0.63	1475.3	42	1220.6	35	164	5	134	4	271.7	8	221.9	6.4	3487.0	4433.5
TTA Agreement Total		7743992	0.57	1815.0	41	1479.8	33	253	6	194	4	409.3	9	282.8	6.4	4433.5	
TFI ²	1	447651	0	66.9	43	34.1	22	6	4	7	5	23.4	15	17.0	11	154.2	154.2
	2	199800	0.47	64.0	68	10.8	11	2	2	2	2	10.2	11	5.5	5.9	94.3	248.5
	3	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0.0	0.0	248.5
	4	189750	0.61	48.9	43	44.9	39	3	2	3	3	4.0	3	11.2	9.7	114.9	363.4
TFI Agreement Total		837201	0.43	179.7	49	89.8	25	11	3	12	3	37.6	10	33.7	9.3	363.4	
All Agreements ³	1	7005056	0.37	1017.1	39	708.1	27	226	9	154	6	314.4	12	164.2	6.4	2583.5	2583.5
	2	1372371	0.57	398.9	51	145.0	19	67	9	30	4	103.8	13	36.0	4.6	780.3	3363.8
	3	310082	0.37	49.1	43	32.1	28	9	8	2	2	5.6	5	17.3	15.0	115.4	3479.1
	4	9422418	0.69	3228.3	50	1980.6	31	313	5	220	3	359.9	6	358.2	5.5	6460.2	9939.3
Grand Total		18109928	0.55	4693.5	47	2865.8	29	615.1	6	405.5	4	783.7	8	575.6	6	9939.3	

¹ Taiwan Deepsea Tuna Longline Boat Owners and Exporters Association

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

All Agreements³: Includes few catches reported by vessels under other private agreement

Area: Seychelles EEZ

Year: 2020

Access Regime	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)	Cumulative Total (Mt)
				Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others			
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)
National	1	2077763	0.58	611.1	50	366.7	30	69	6	44	4	70.3	6	52.0	4.3	1212.8	1212.8
	2	1341731	0.82	489.1	45	399.2	36	104	10	41	4	25.7	2	38.5	3.5	1098.2	2311.0
	3	361103	0.48	102.1	58	38.6	22	18	10	4	3	4.5	3	7.2	4.1	174.6	2485.6
	4	6422864	0.61	1968.4	51	1389.5	36	224	6	73	2	100.9	3	133.8	3.4	3889.4	6375.1
National Total		10203461	0.62	3170.7	50	2194.0	34	415	7	162	3	201.3	3	231.4	3.6	6375.1	
TTA ¹	1	1120432	0.56	223.7	35	258.0	41	34	5	27	4	55.1	9	34.1	5.4	631.9	631.9
	2	440551	0.61	26.2	10	128.6	48	62	23	10	4	21.2	8	20.2	7.5	267.8	899.7
	3	123655	0	9.0	21	15.9	37	7	16	3	6	3.3	8	5.3	12	43.2	942.9
	4	8783212	1	1277.5	28	2371.1	53	243	5	101	2	314.1	7	207.6	5	4514.4	5457.2
TTA Agreement Total		10467851	0.52	1536.5	28	2773.6	51	347	6	140	3	393.7	7	267.2	4.9	5457.2	
TFI ²	1	254800	0.55	71.2	50	36.4	26	7	5	5	4	9.1	6	12.6	8.9	141.4	141.4
	2	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0.0	0.0	141.4
	3	12000	0.18	0.2	9	1.3	60	0	21	0	0	0.2	10.5		2.1	143.5	
	4	696437	0.48	162.5	48	130.3	39	20	6	7	2	2.8	1	12.8	4	335.6	479.2
TFI Agreement Total		963237	0.50	233.9	49	168.0	35	28	6	12	3	11.9	2	25.6	5.3	479.2	
All Agreements	1	6322244	0.55	1476.6	42	1206.7	35	192	5	147	4	283.4	8	191.0	5.5	3497.1	3497.1
	2	2353941	0.73	569.4	33	698.8	41	220	13	67	4	86.5	5	74.4	4.3	1715.3	5212.5
	3	645115	0.58	111.5	30	67.9	18	92	25	8	2	77.2	21	15.1	4.1	372.0	5584.5
	4	16576376	0.55	3508.5	38	4003.4	44	590	6	185	2	476.4	5	364.8	4.0	9128.7	14713.1
Grand Total		25897676	0.57	5666.0	39	5976.7	41	1094.3	7	407.4	3	923.5	6	645.3	4	14713.1	

¹ Taiwan Deepsea Tuna Longline Boat Owners and Exporters Association

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

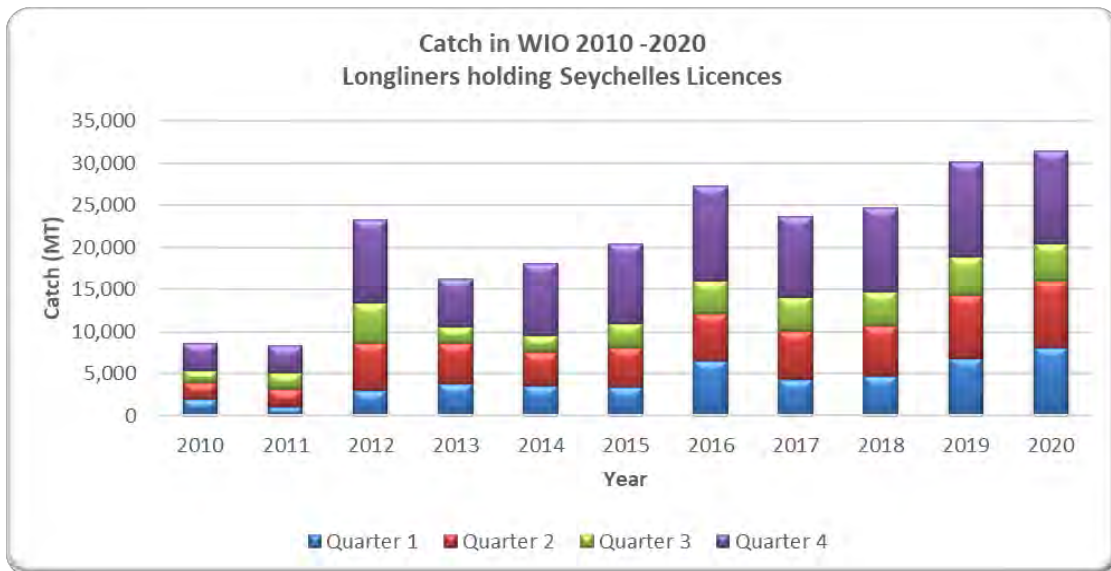


Figure 2A: Industrial Longliners Total catch in the WIO by Year, 2010 - 2020

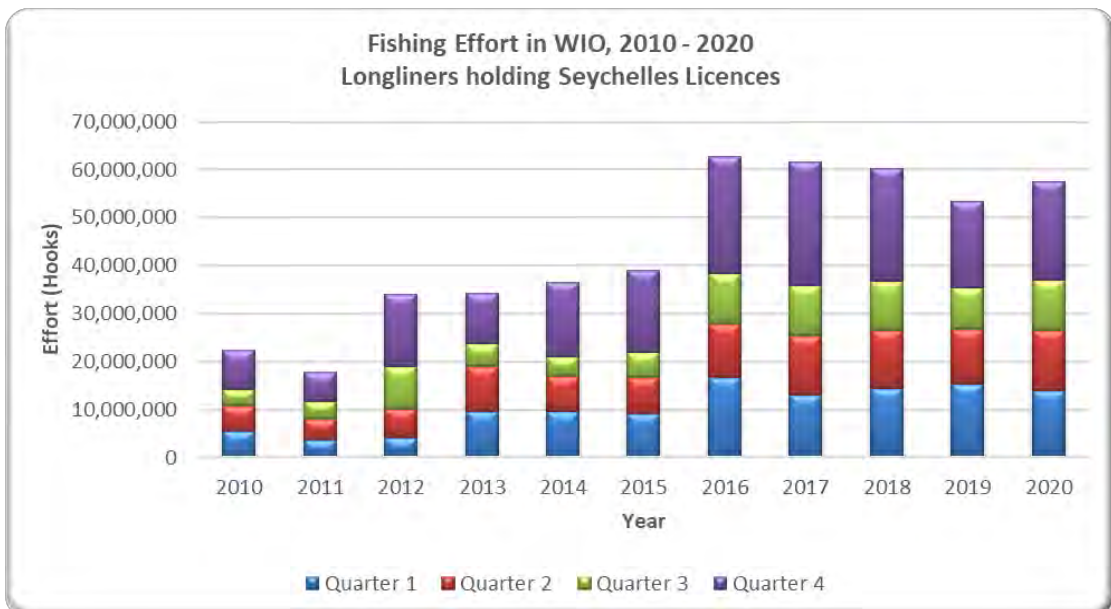


Figure 2B: Industrial longliners fishing effort in the WIO by Year, 2010 - 2020

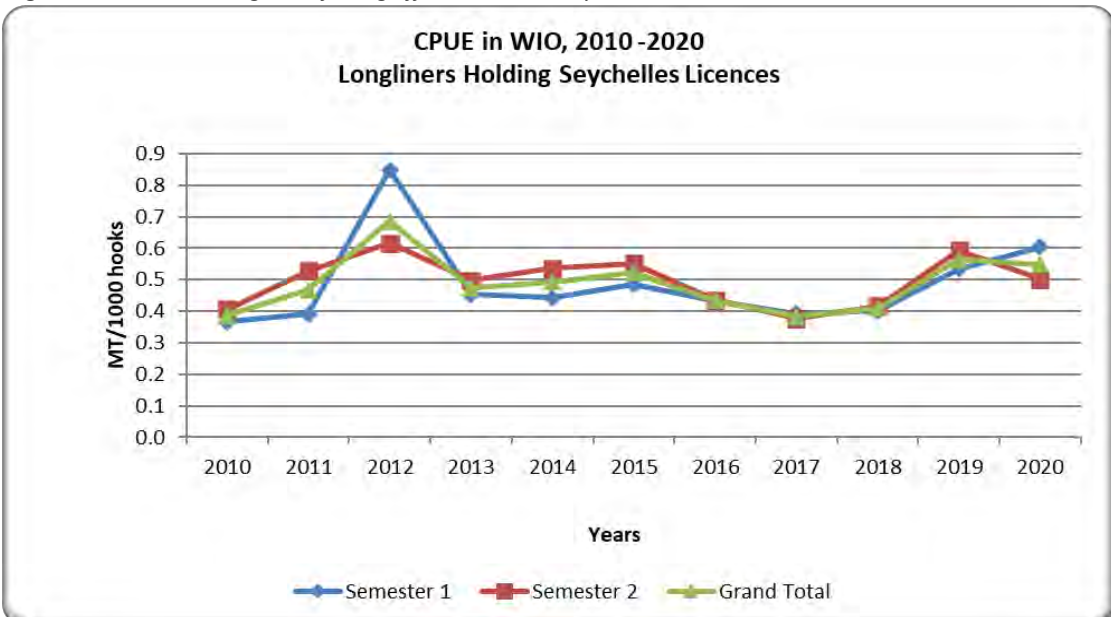


Figure 2C: Industrial Longliners CPUE in the WIO by Year, 2010 - 2020

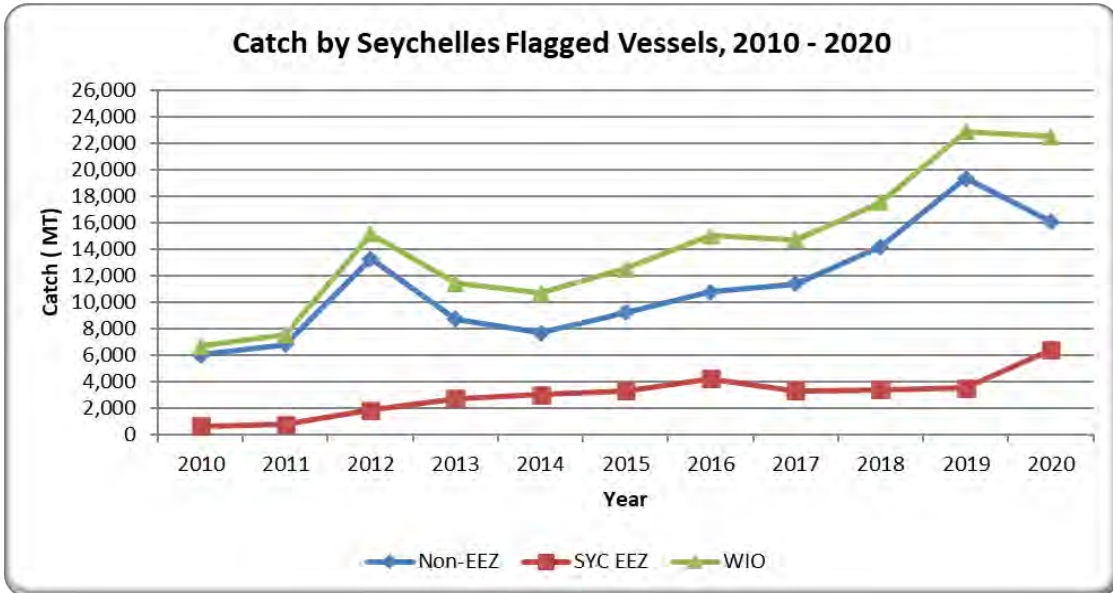


Figure 2G: Seychelles Flagged Longliners Catch, years 2010 -2020

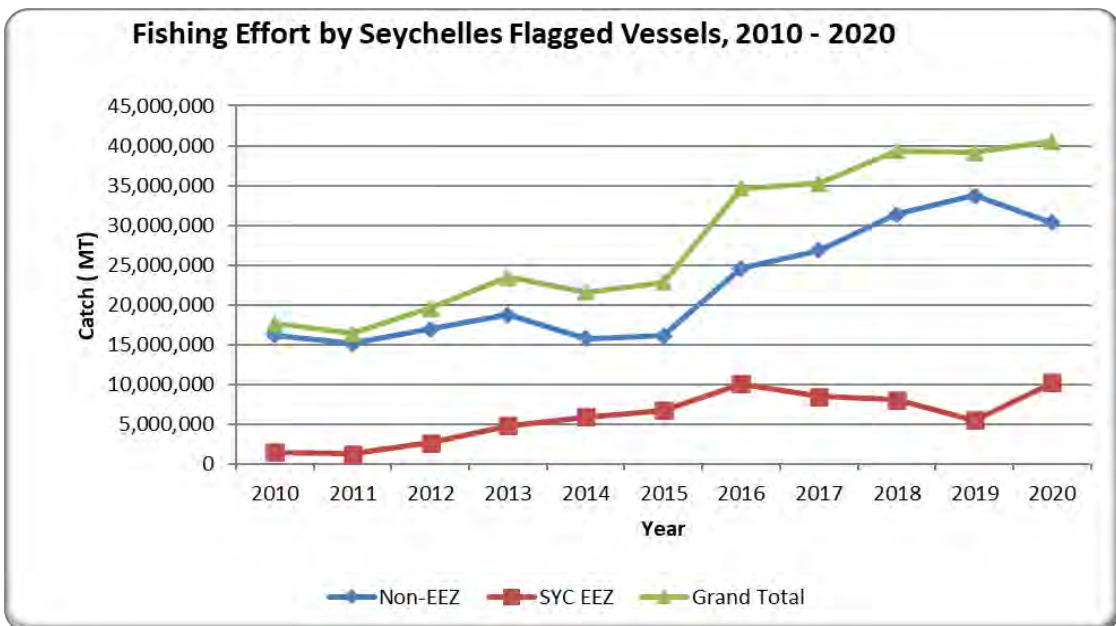


Figure 2H: Seychelles Flagged Longliners Effort, years 2010 -2020

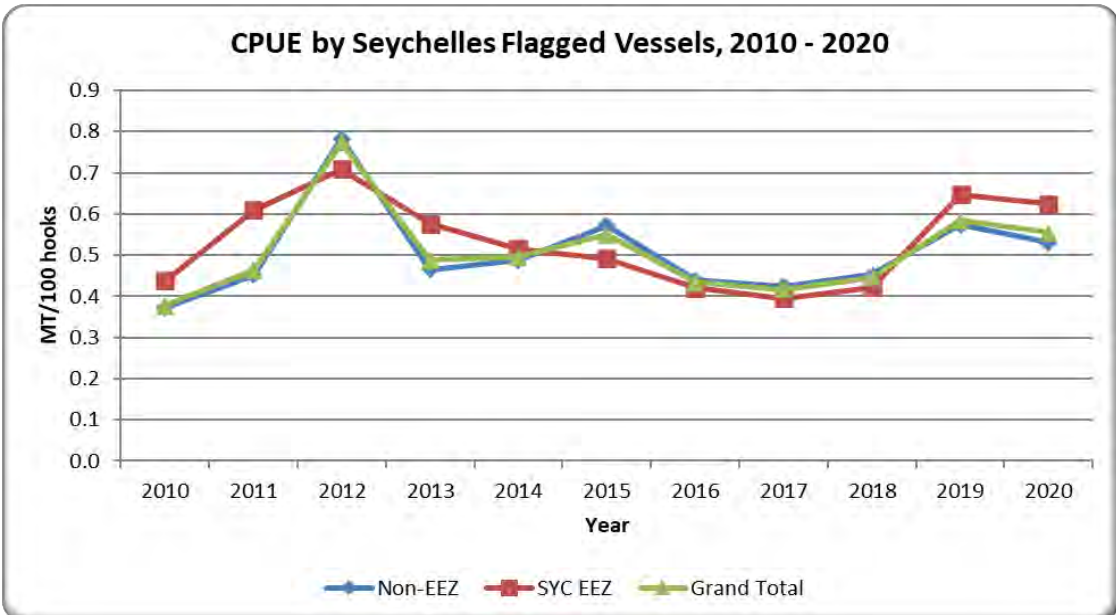


Figure 2I: Seychelles Flagged Longliners CPUE years 2010 -2020

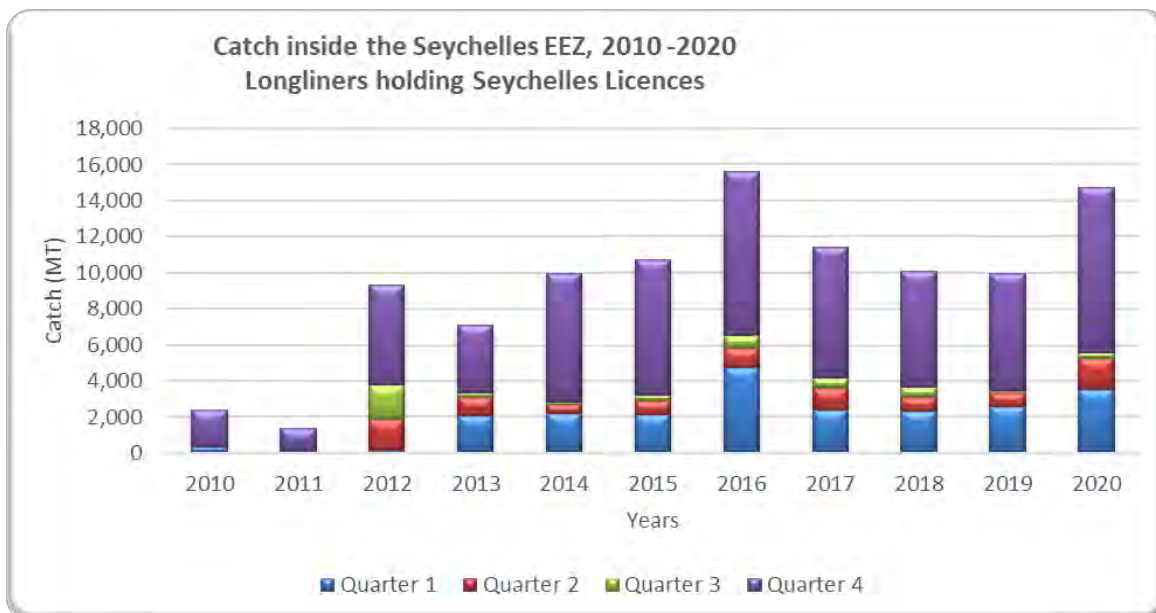


Figure 2D: Industrial longliners Total catch in the Seychelles EEZ by Year, 2010 - 2020

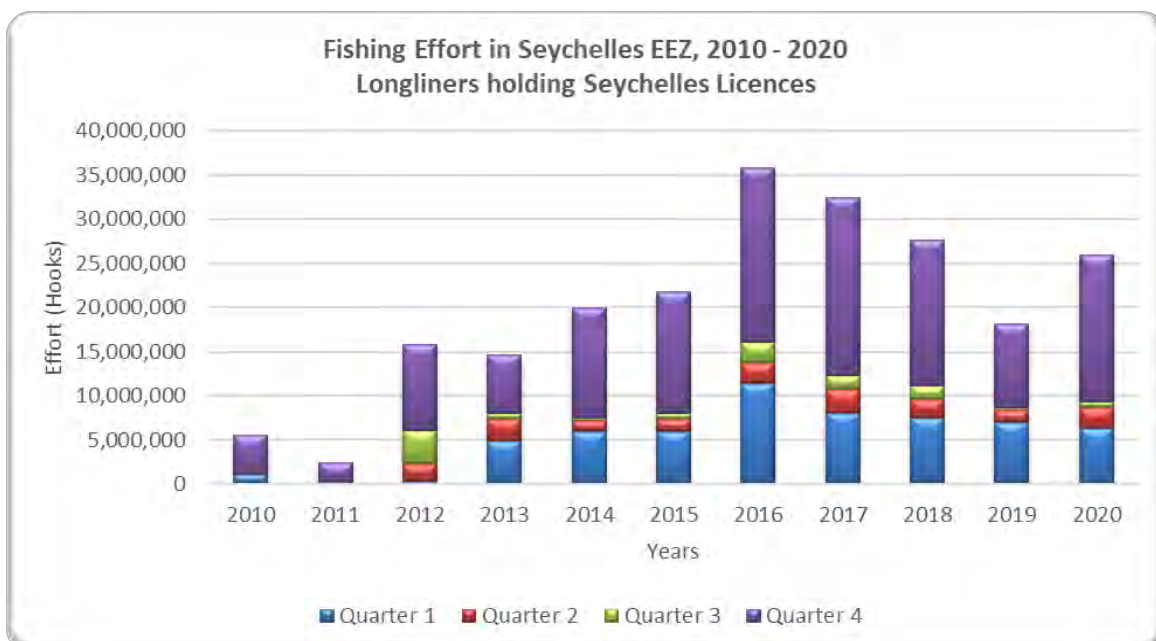


Figure 2E: Industrial Longliners fishing effort in the Seychelles EEZ by Year, 2010 - 2020

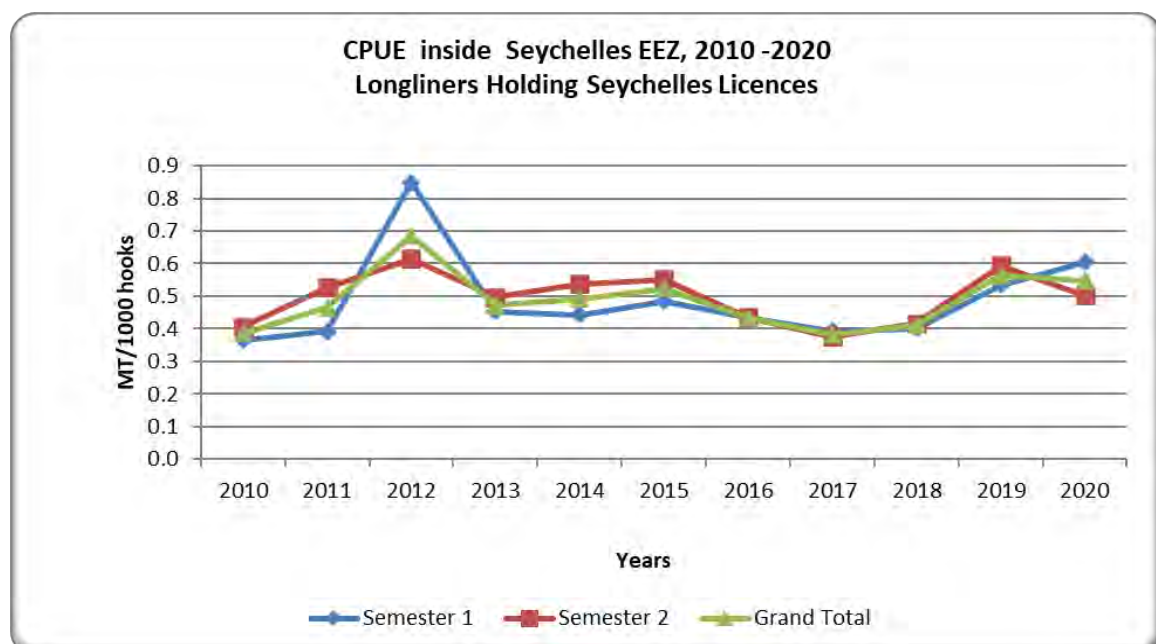
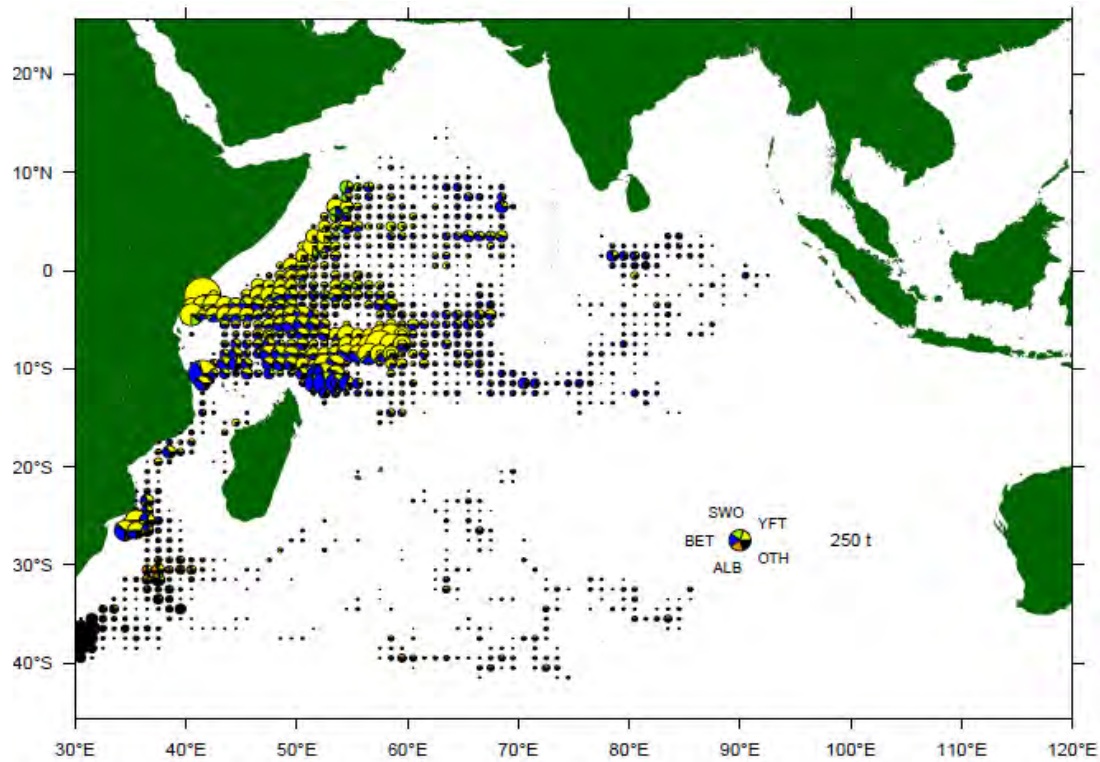


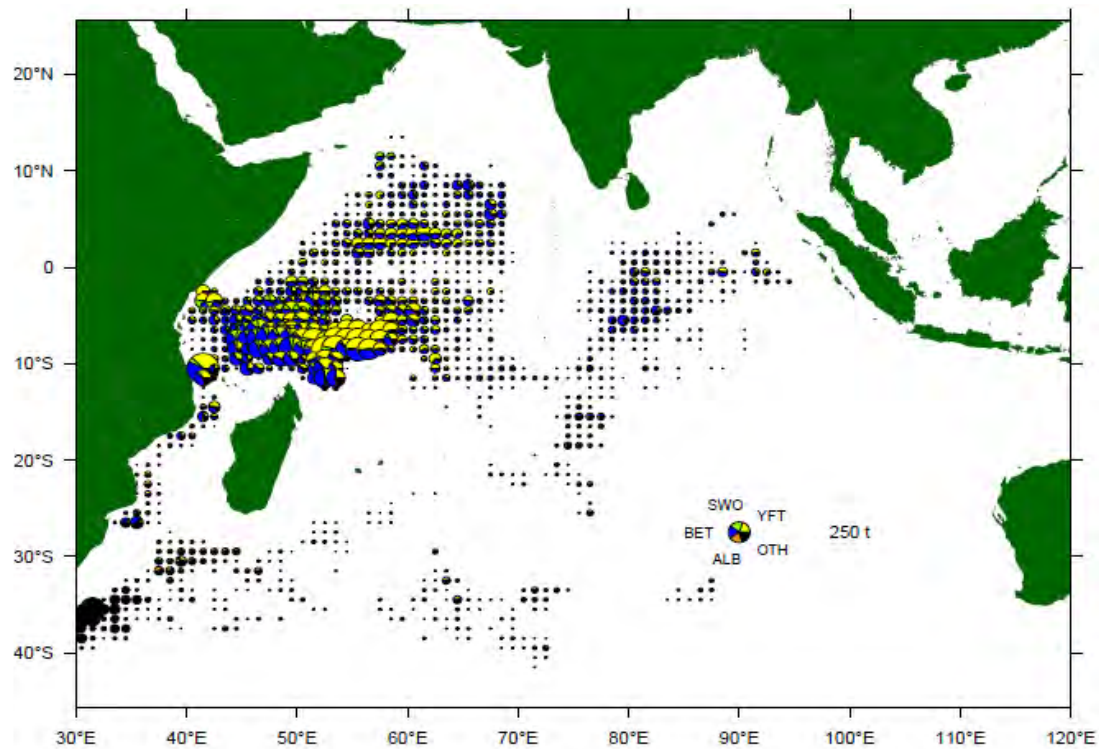
Figure 2F: Industrial Longliners CPUE in the Seychelles EEZ by Year, 2010 - 2020

Fishing Ground Exploited by Industrial Longliners

Map 2A. Industrial longliners fishing ground for Year 2019

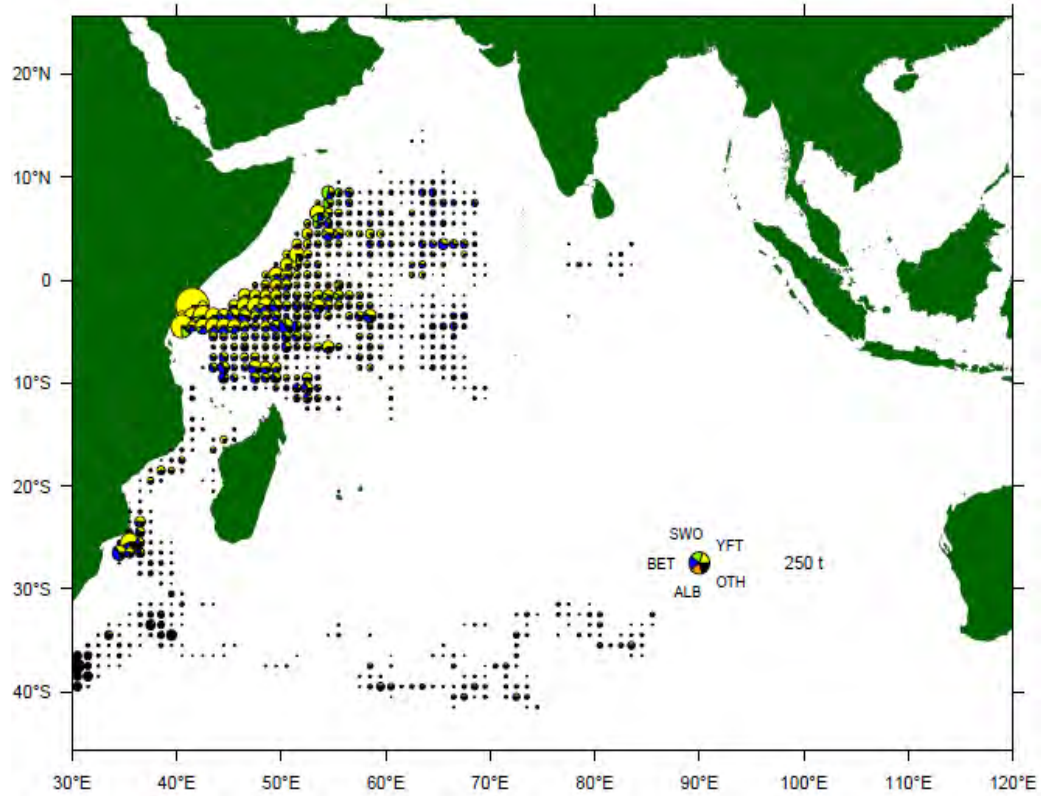


Map 2B. Industrial longliners fishing ground for Year 2020

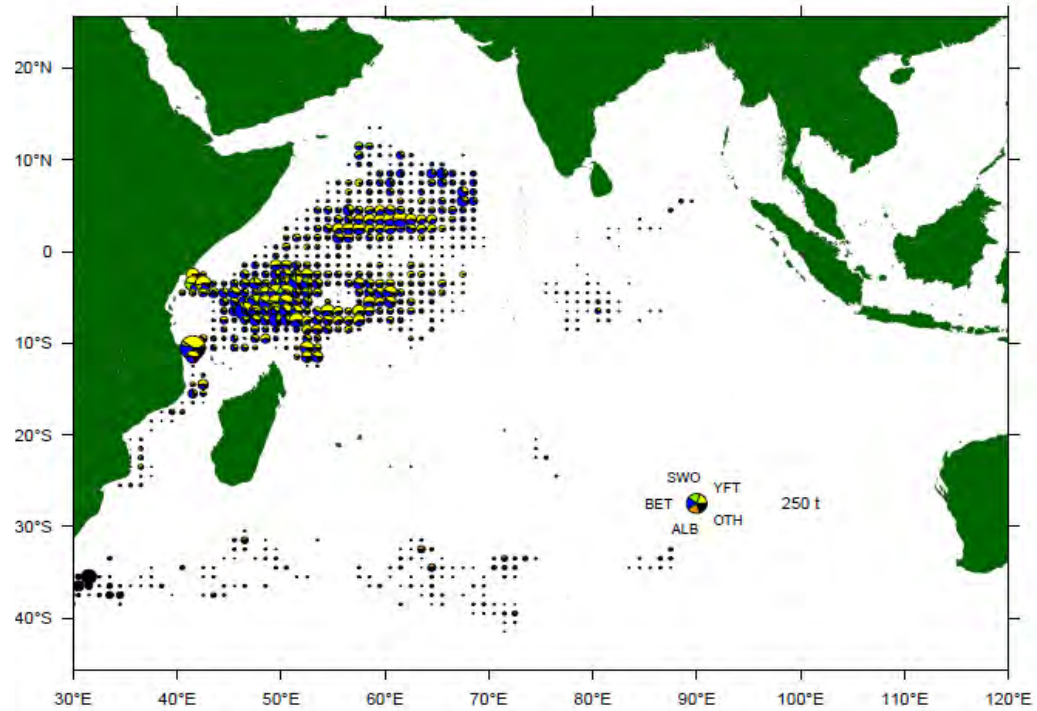


Fishing Ground Exploited by Industrial Longliners

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

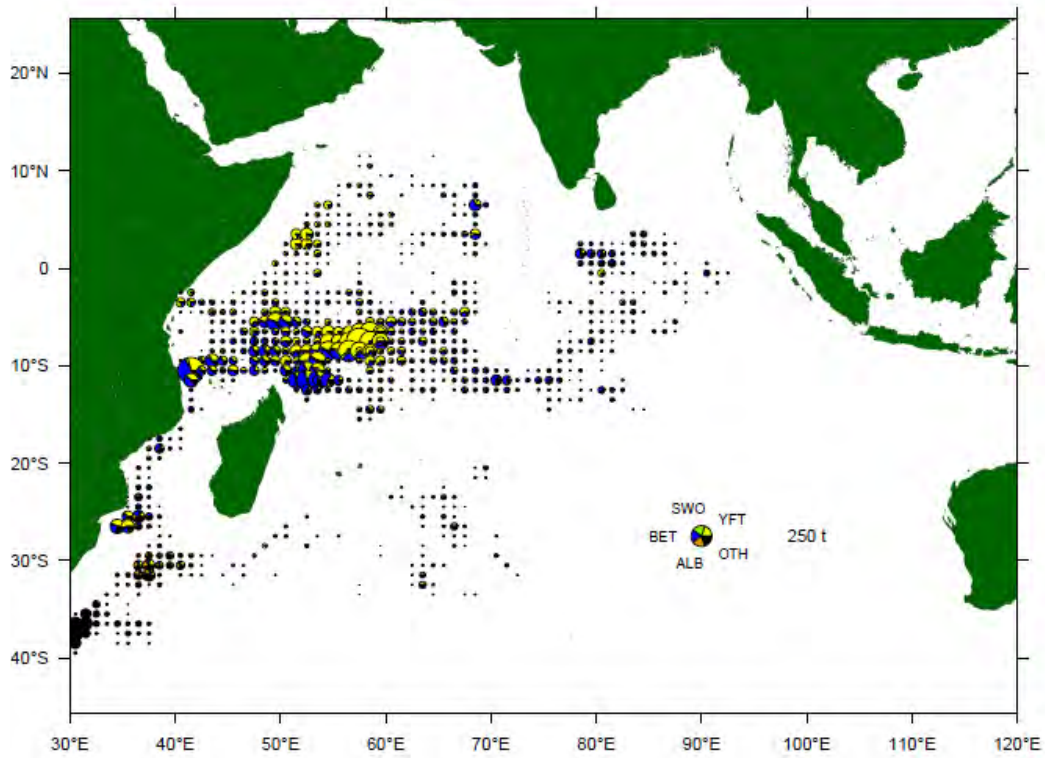


Map 2D. Industrial longliners fishing ground for 1st Semester 2020

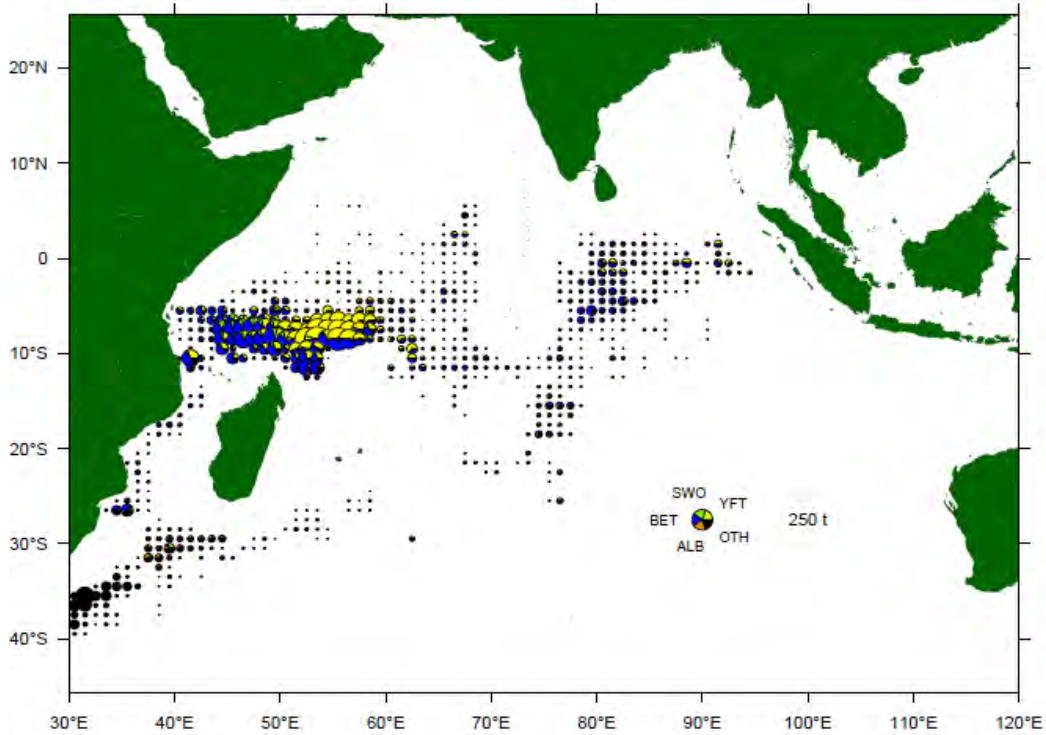


Fishing Ground Exploited by Industrial Longliners

Map 2E. Industrial longliners fishing ground for 2nd Semester 2019



Map 2F. Industrial longliners fishing ground for 2nd Semester 2020



Semi - Industrial Longline Fishery



3. SUMMARY OF SEMI INDUSTRIAL FISHERY

3.1. *Vessels Active and Trip Information*

- Readers should note that Catches reported for year 2020 relates to 100% logbook returned to SFA compared to 99% of logbook returned to SFA in 2019. The statistics for first semester 2021, relates to 99% logbook returned.
- Over the last 10 years, the number of vessels active in the semi-industrial longline fishery has increased significantly from 4 vessels active in 2011 to 36 vessels active in 2019. The total fishing trips also increased significantly from 24 trips in 2014 to 397 fishing trips in 2019 although the average trip duration has remained stable ranging between 10 to 15 days per trip (table 3.0).
- During the year 2020, the number of vessels active in the semi-industrial longline fishery dropped by 1 from 36 vessel active in 2019 to 35 vessels active during the year 2020.
- A total of 306 fishing trips targeting tuna and swordfish were Conducted by 35 vessels in the year 2020. This represents a decrease of 23% in number of trips targeting swordfish and tuna over the 397 fishing trips conducted in 2019 by 36 vessels (table 3.0). The decrease in the number trips were mainly attributed to covid pandemic and the restrictions on movement imposed by the Public Health Authority during the period March – May 2020.
- During the first semester of year 2021, a total of 189 trips were undertaken by 32 vessels compared to 150 trips undertaken by 35 vessels during the same period, the previous year. This represents an increase of 26% in number of fishing trips targeting swordfish and tuna 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 has been on a decreasing trend from 238 MT in 2011 to reach a mere 82 MT in 2014. The catch has since then been on an increasing trend reaching a total of 2008 MT in 2019, the highest catch recorded since the beginning of the fishery (figure 3A).

Similar trend was observed in fishing effort in the Semi-industrial fishery. A decrease of 59% was reported in 2011 where the fishing effort dropped from 287,938 hooks in 2011 to 118,973 hooks in 2014. Like the catches, the fishing effort has since then been on an increasing trend to reach 2.5 million hooks in 2019 (figure 3B).

For the period 2011 to 2014, the CPUE fluctuated in a range of 0.66 MT/1000 hooks to 0.82MT/1000 hooks, followed by an increasing trend to reach 0.95 MT/1000

hooks in 2015. The CPUE, has since then been on a downward trend to reach 0.61MT/1000 hooks in 2018. In 2019, the CPUE increased to reach 0.79 MT/1000 hooks (figure 3C).

- During the year 2020, the Semi industrial fishery reported a total catch of 1,485 MT representing a decrease of 26% in catches over the 2,008 MT reported in 2019. This corresponds to a decrease of 20% in fishing effort where a total of 2.0 million hooks were sets compared to 2.5 million hooks sets in 2019 (table 3.0). The mean catch rate estimated for the year 2020 stands at 0.73 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 2021, the total catch reported by the semi-industrial longline vessels where a total of 919 MT of tuna and tuna like species were caught from a total 1.3 million hooks thus giving a mean catch rate of 0.69 MT/ 1000 hooks. This represents an increase of 27% and 38% in catches and fishing effort when compared to the same period the previous year. During the first semester of 2020, a total catch of 725 MT obtained from a fishing effort of 968,136 hooks with a mean catch rate of 0.75 MT/ 1000 hooks was reported.

3.3. Species Composition

- Historically Swordfish has been the main target species of the semi-industrial longline fishery (figure 3D). However, since 2015, yellowfin tuna replaced swordfish as the dominant species caught by the semi-industrial Longline vessels. Yellowfin tuna has increased significantly from 15 MT in 2014 to a record high of 1507 MT in 2019 whilst swordfish and bigeye tuna has increased from 47Mt and 33 MT in 2015 to 313 MT and 119 MT in 2019 respectively.
- During the year 2020, yellowfin tuna accounted for 86% of the total catch followed by swordfish and bigeye tuna accounting for 9% and 4% of the total catch respectively (figure 3E). During the previous year, the semi-industrial catches was dominated by yellowfin (75%) followed by swordfish (16%) and bigeye tuna (6%) (figure 3f).
- During the first semester of 2021, similar observations were made where the fishery was dominated by yellowfin tuna (87%) followed by swordfish (6%) and bigeye tuna (4%). For the same period the previous year, the catch composition was made up of 83% of yellowfin tuna, 11% of swordfish and 4% of bigeye tuna.
- A decrease in catches were observed across all the main target species except for the 'others' category which recorded a significant increase in 2020 compared to 2019. A total catch of 1277 MT of yellowfin tuna was reported to have been caught by the semi-industrial longliners in the year 2020, the second highest yellowfin tuna catches recorded since the beginning of the fishery. This represents 15% decrease over the 1507 MT of yellowfin tuna reported for the same period the previous year. Swordfish and bigeye tuna also decreased from 313 MT and 119 MT in the year 2019

to 135 MT and 55 MT respectively in the year 2020. Sailfish and marlin decreased by 78% and 87% from 13 MT and 55 MT to reach 3 MT and 7 MT respectively, whilst the 'other' category increased by 192%, from 2 MT during the year 2019 to 7 MT in the year 2020 which comprised mostly of albacore (*Thunnus alalunga*).

- During the first semester of 2021, yellowfin tuna, bigeye tuna, sailfish and marlins catches increased by 33%, 13%, 750% and 72% respectively. A total of 803 MT of yellowfin tuna and 32 Mt of bigeye tuna was recorded during the first semester of 2021 compared to 604 MT of yellowfin tuna and 29 MT of bigeye tuna recorded for the same period in 2020. Catches of swordfish and 'other category' decreased from 79 Mt and 7 MT respectively between January to June 2020 to 58 MT and 6 MT respectively during the same period in 2020. Remarkable increase was observed in catches of sailfish from 1 MT during the first semester of 2020 to 11 MT during the same period in the year 2021.

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

(Database Closed on 20/10/2021)

Country: SEYCHELLES

Semester 1, Years 2011 - 2021

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)		
2011	4	29	11	166,326	0.84	25	11	90	1	4	9	0	141	
2012	5	38	10	204,405	1.03	34	33	126	1	6	9	0	210	
2013	6	44	11	251,560	0.68	28	18	112	2	4	8	0	172	
2014	8	17	10	75,789	0.86	12	2	49	0	0	1	0	65	
2015	8	20	11	90,610	0.86	32	10	29	2	4	1	0	78	
2016	21	122	10	484,712	0.87	240	54	84	10	33	0	0	422	
2017	29	184	12	1,140,966	0.54	397	44	119	17	37	0	5	620	
2018	28	166	15	1,142,936	0.59	404	62	151	13	42	0	3	675	
2019	34	217	15	1,428,084	0.79	751	91	226	9	44	0	2	1123	
2020	35	150	13	968,136	0.75	604	29	79	1	5	0	7	725	
2021	32	189	14	1,340,410	0.69	803	32	58	11	8	0	6	919	

Country: SEYCHELLES

Semester 2, Years 2011- 2020

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)		
2011	4	26	10	121,612	0.80	22	12	51	3	3	6	0	97	
2012	7	25	10	126,061	0.49	12	5	33	2	3	5	1	61	
2013	6	24	10	147,210	0.61	27	6	50	2	1	4	0	90	
2014	5	7	10	43,184	0.39	3	2	9	1	0	1	0	17	
2015	9	36	10	114,894	1.01	66	23	18	3	7	0	0	116	
2016	25	132	13	756,228	0.72	334	74	100	11	20	2	2	544	
2017	26	146	14	916,910	0.53	315	72	72	7	21	2	1	488	
2018	26	131	16	929,632	0.64	429	51	76	7	28	1	1	592	
2019	34	180	14	1,120,753	0.79	756	28	86	4	12	0	0	886	
2020	26	156	14	1,061,580	0.72	673	27	56	2	2	0	0	760	

Country: SEYCHELLES

Year: 2011- 2020

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)	
2011	4	55	10	287,938	0.83	46	23	141	5	7	15	1	238
2012	7	63	10	330,466	0.82	47	38	159	3	9	14	1	271
2013	6	68	11	398,770	0.66	55	24	162	3	5	12	0	262
2014	9	24	10	118,973	0.69	15	5	58	1	1	2	0	82
2015	11	56	11	205,505	0.95	98	33	47	5	11	1	0	195
2016	29	254	11	1,240,940	0.78	574	128	184	21	53	2	2	966
2017	31	330	13	2,057,876	0.54	711	116	191	24	58	2	6	1108
2018	30	297	15	2,072,568	0.61	833	113	226	20	70	1	4	1267
2019	36	397	14	2,548,837	0.79	1507	119	313	13	55	0	2	2008
2020	35	306	14	2,029,716	0.73	1277	55	135	3	7	0	7	1485

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

(Database Closed on 20/10/2021)

Country: SEYCHELLES

Year: 2020

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	33	49	13	320059	0.70	197	8	15	1	2	0	0	223
Feb	30	36	13	267,405	0.70	171	5	8	0	1	0	3	188
Mar	17	18	13	130,660	0.64	67	4	9	0	0	0	4	83
Apr	0	0	0	1,130	1.17	1	0	0	0	0	0	0	1
May	22	30	14	129,283	1.11	111	7	26	0	1	0	0	144
Jun	13	17	11	119,599	0.71	57	6	22	0	0	0	0	85
Jul	20	28	15	150,599	0.41	43	6	13	0	0	0	0	62
Aug	14	15	16	109,393	0.34	26	2	9	0	0	0	0	38
Sep	19	21	16	170,964	0.69	98	7	13	0	0	0	0	118
Oct	20	30	14	201,608	1.10	206	5	11	0	1	0	0	222
Nov	23	31	14	221,373	0.62	122	6	8	0	1	0	0	136
Dec	20	31	12	207,643	0.88	179	1	3	1	0	0	0	183
Annual	19	306	13	2,029,716	0.73	1277	55	135	3	7	0	7	1485
Quarter 1	27	103	13	718,124	0.69	435	16	32	1	4	0	7	494
Quarter 2	12	47	8	250,012	0.92	169	12	47	0	1	0	0	231
Quarter 3	18	64	16	430,956	0.51	167	15	35	0	1	0	0	218
Quarter 4	21	92	13	630,624	0.86	506	11	21	1	2	0	0	541
First Semester	19	150	11	968,136	0.75	604	29	79	1	5	0	7	725
Second Semester	19	156	14	1,061,580	0.72	673	27	56	2	2	0	0	760

Country: SEYCHELLES

Year: 2021

Month	Vessels			Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin (Mt)	Bigeye (Mt)	Swordfish (Mt)	Catches				Total Catch (Mt)
	Covered (Number)	Trips (Number)	Mean Trip Duration (Days)						Sailfish (Mt)	Marlins (Mt)	Shark (Mt)	Others (Mt)	
Jan	24	28	16	202053	0.43	79	2	7	0	0	0	0	87
Feb	22	22	19	151,262	0.27	28	4	7	0	1	0	1	41
Mar	24	29	14	212,084	0.58	86	17	17	1	2	0	0	123
Apr	26	41	13	268,627	0.91	215	5	12	7	3	0	1	243
May	25	36	12	265,390	1.01	250	3	10	2	1	0	2	267
Jun	25	33	14	240,993	0.66	146	3	6	1	1	0	2	158
Jul													
Aug													
Sep													
Oct													
Nov													
Dec													
Annual	24	189	15	1,340,410	0.69	803	32	58	11	8	0	6	919
Quarter 1	23	79	16	565,400	0.44	193	22	30	1	4	0	1	252
Quarter 2	25	110	13	775,010	0.86	611	10	28	10	5	0	5	668
Quarter 3													
Quarter 4													
First Semester	24	189	15	1,340,410	0.69	803	32	58	11	8	0	6	919
Second Semester													

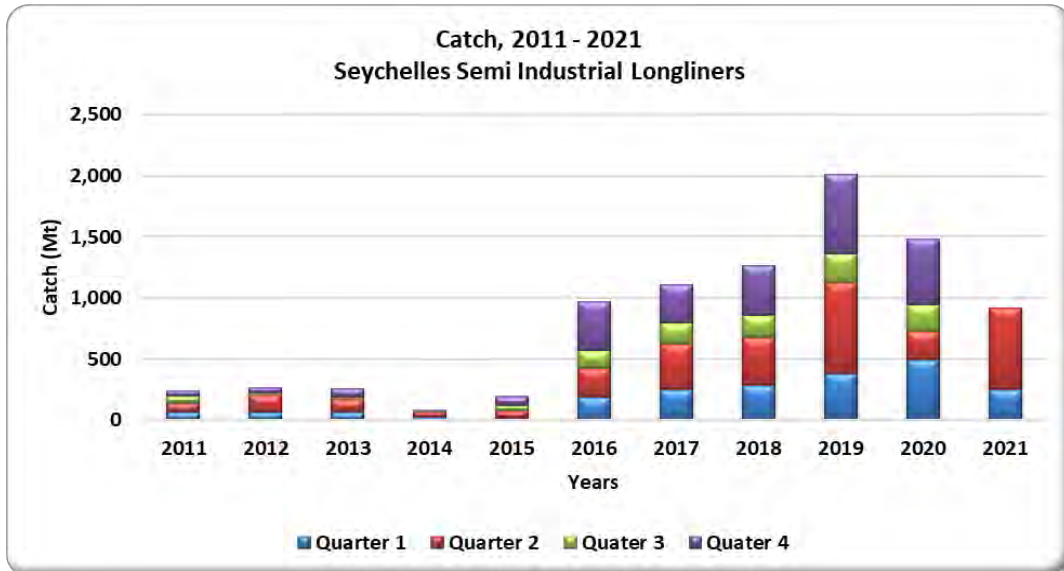


Figure 3A: Semi-Industrial Longliners Total catch by Year, 2011 - 2021

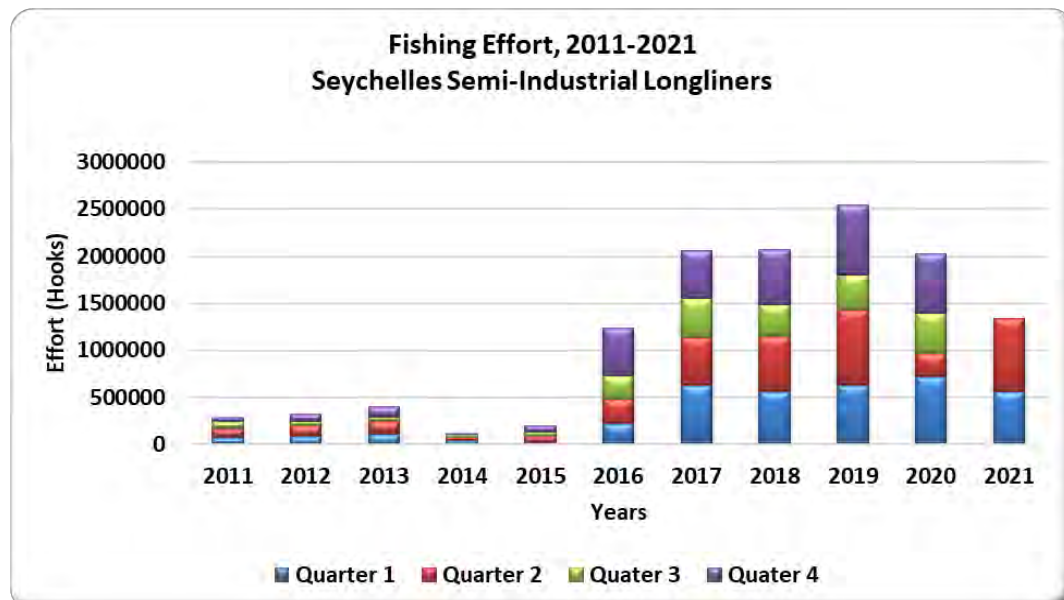


Figure 3B: Semi-Industrial longliners fishing effort by Year, 2011 - 2021

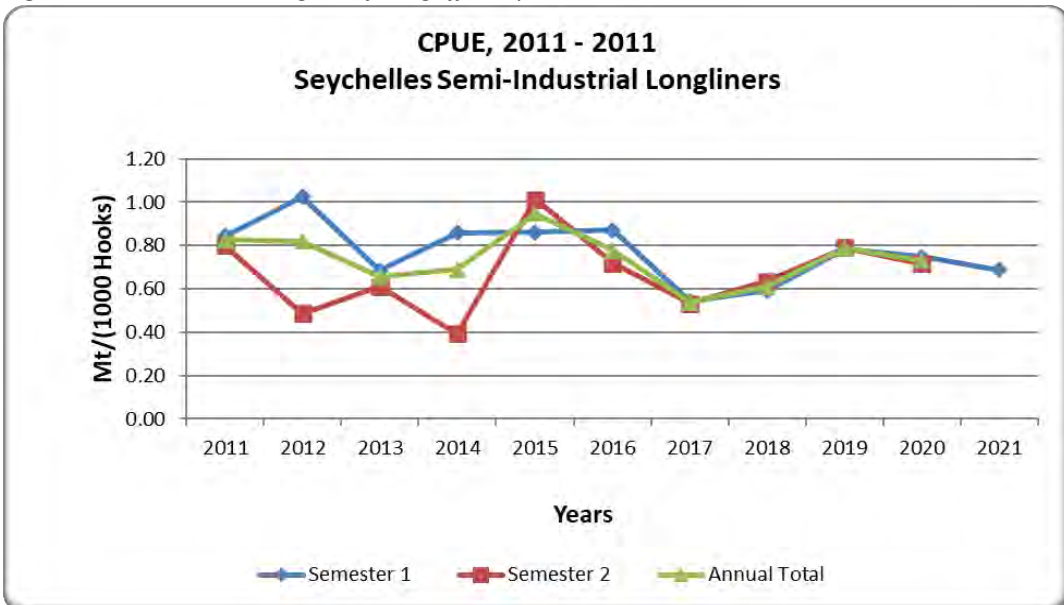


Figure 3C: Semi-Industrial Longliners CPUE by Year, 2011 - 2021

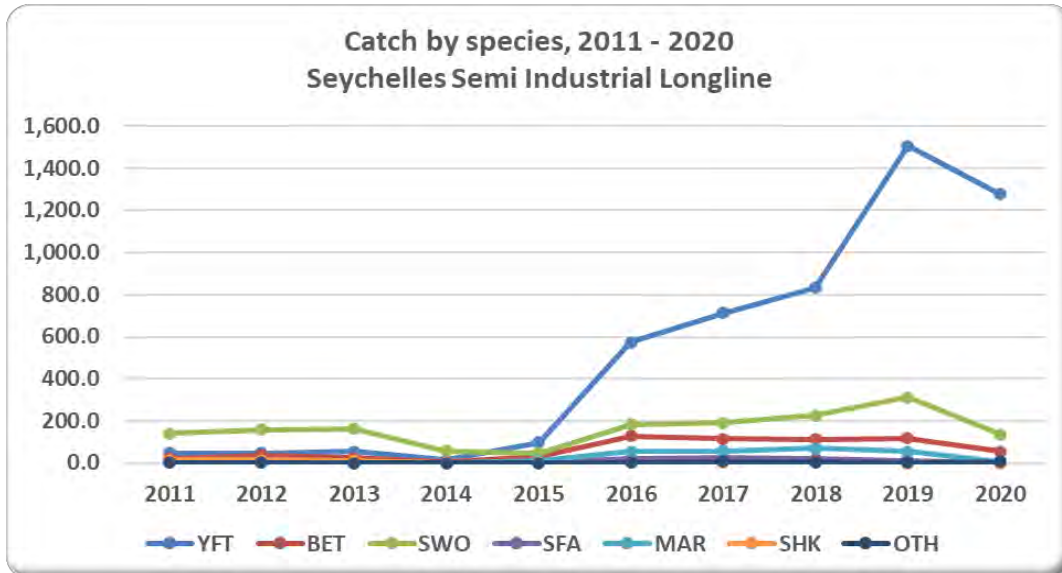


Figure 3D: Semi-Industrial Longliners catch by species by Year, 2011 - 2020

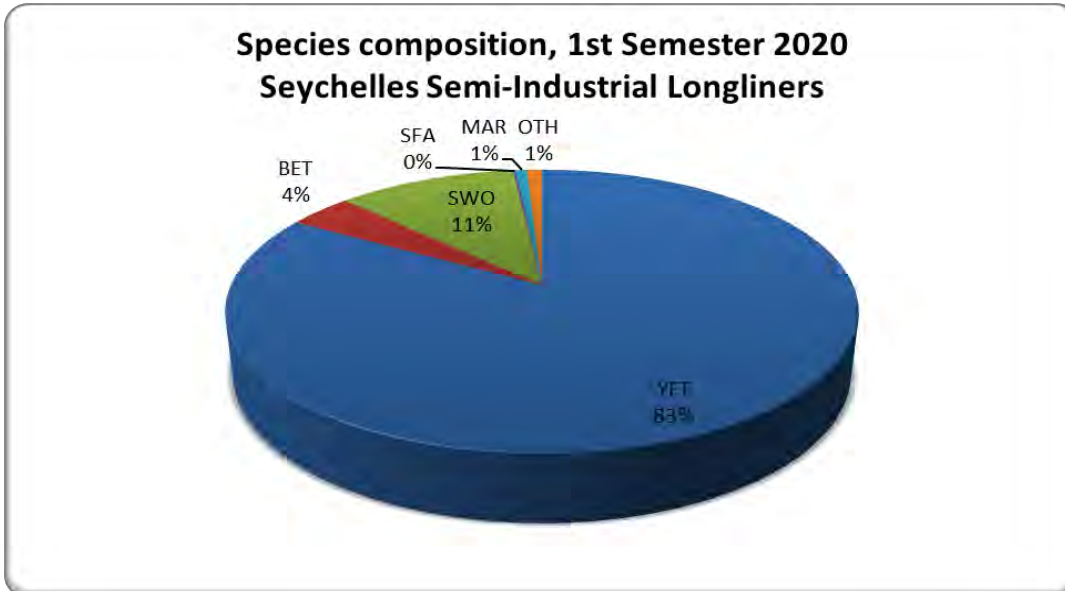


Figure 3E: Semi-Industrial longliners species composition, Year 2020

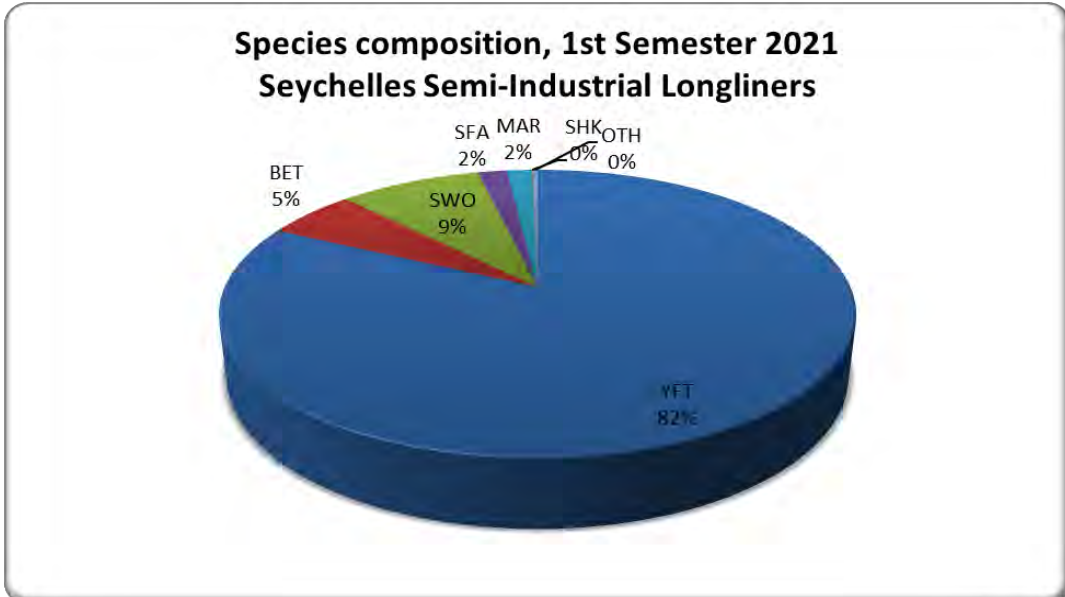


Figure 3F: Semi-Industrial longliners species composition, Year 2021

Artisanal Fishery



Pirogue



Whaler



Mini Mahe



Lekonomie



Lavenir



Schooners



4. SUMMARY OF ARTISANAL FISHERY

4.1. *Vessel Active*

- The historical trend shows the mean number of boats operating per month from the year 2010 to 2016 has remained stable averaging to 439 vessels operating per month. The mean number of boats active has since then been on a decreasing trend reaching only 379 boats active per month in 2019 (Table 4.1A).
- The mean number of boats operating in the artisanal fishery, during the year 2020 has decreased significantly to a mere 338 boats active per month when compared to a mean of 379 boats active per month during the previous Year (Table 4.1B). This was due to the covid19 situation where restrictions on movement was imposed by the Public Health from mid-March to June 2020. The highest decreased was observed in mean number of outboard actives which dropped from an average of 262 Vessel active in the year 2019 to 208 vessels active in 2020. However, a remarkable increased was observed in the number of semi industrial vessels targeting demersal species using mostly dropline fishing gear in the year 2020 where on average 11 vessels were active per month compared to a mean of 1 vessel active per month the previous year.
- In terms of vessel type, 62% of the fleets were outboard vessels, 15% were schooners and 18% were whalers during the year 2020 compared to 69% of outboard, 13% of schooners and 16% of whalers active during the previous year. (Table 4.1B).

4.2. *Catch Statistic by Vessel Type*

- Time series of catches shows that catches have remained the same with an average of 2,658 MT per year between 2010 and 2012 (Table 4.2 and Figure 4A). This may have been due to piracy threat in the Indian Ocean. During 2013, the artisanal total catch increased considerably by 66%, returning to the pre-2009 level where a total of 4,150 MT of fish was landed. Since then, the catches have been on a decreasing trend. However, in the year 2017, the catches of the artisanal fishery increased significantly by 73% to reach a peak of 4,356 MT and has remained stable for the last three years. This significant increased could be attributed to the increasing number of schooners (bigger boats) in the fleet and the significant increase in fishing effort during the last 3 years.
- During the year 2020, the total artisanal catches decreased significantly by 22% to reach only 3,460 MT corresponding to the decrease in mean number of boats active compared to 4,411 MT during the previous year (figure 4A).
- Historically, Outboard accounted for the higher proportion of the artisanal catches and the same was observed in the year 2020 where outboard, schooners and whalers accounted for 55%, 21% and 16% of the total artisanal catches respectively. During the year 2019 outboard, schooners and whalers represented 57%, 21% and 19% of the total artisanal catches respectively. It can be observed that during the year 2019, schooners

replaced whalers as the vessels accounting for the second highest proportion of the catches and same was observed during in the year 2020 (Table 4.2A).

4.3. Catch Statistics by Gear Type

- Trend analysis of catches by gear type shows that handline fisheries historically dominated artisanal catches followed by encircling gillnet (Table 4.3 and Figure 4C). It must be noted that from the year 2017, in the new data management software for artisanal fishery catches for 'handline and traps' gear category has been captured and processed as separate gears and has been accounted for under 'handline' and 'trap' accordingly.
- Typical of previous years, the handline fishery dominated artisanal fisheries catches, accounting for 71% of total landings during the year 2020 followed by encircling gillnet (14%) and static trap (8%). Decreased in catches were observed among all fisheries except for 'other fishery' where catches by dropline increased from 25.1 MT during the year 2019 to 165.2 MT in the year 2020.

4.4. Catch Statistics by Species

- Between 2010 and 2013, artisanal catches have been dominated by carangues, bourgeois, job and maquereau doux accounting on average 27%, 13%, 11% and 11% of artisanal catch per year respectively (Table 4.4). Trend analysis shows between 2014 and 2016, catches of carangues, maquereau doux and job has fluctuated between years whilst catches of bourgeois has been on a declining trend (Figure 4D – 4I). However, in 2017 most species record increase in catches except for cordonier which has been on a decreasing trend since 2016.
- During the year 2020, decrease in catches were observed across all species group except for catches of bonite and carangues which increased by 13% and 9% respectively. Most significant decrease were observed in crab (-74%), Other Maquereau (-71%) and Bourgeois (-50%).
- The most important species groups landed for the year 2020 were carangues (33%), job (14%) and maquereau Doux (9%). During the previous year, the artisanal catches were dominated by carangues (24%), job (12%), bourgeois (11%) and maquereau doux (11%) (Figure 4K).

4.5. Fishing Effort by Vessel Type and Gear Type

- Time series of effort shows that between 2010 and 2012 the handline fishery effort has been on a decreasing trend to reach 35,285 men-days in 2016, followed by an increasing trend to reach 88,902 men-days in 2017. (Table 4.5 and Figure 4M). Fishing effort for trap fishery has been on a decreasing trend reaching 74,963 traps set in 2015 followed by an increasing trend to reach a remarkable 148,022 traps sets in 2017

(Figure 4N). For net fishery, the fishing effort has been fluctuating over the last 10 years (Figure 4O).

- During the year 2020, the total effort for handline fishery in terms of men-days is estimated at 65,740 men-days representing a 22% decrease in effort from the estimated 83,810 men-days during the same period in the year 2019. Decrease in fishing effort (men-days) by schooners, whalers and outboard were 25%, 20% and 22% respectively whilst effort by 'other' Vessels in handline fishery increased by 16%.
- The estimated effort for trap fishery decreased by 34% from 128,617 traps sets in 2019 to 84,303 traps set during 2020. A remarkable decrease of 89% was observed in number of traps sets by whaler whilst the number of traps sets by outboard and by 'other' vessels decreased by 34% and 39% respectively.
- The net fishery recorded an 86% decrease in fishing effort in 2020 where a total of 2008 sets were made compared a total of 3930 sets made during the previous year.

4.6. Catch Rate by Vessel Type and Gear Type

- Time series of catch rate shows that between 2010 and 2016, catch rate by artisanal boats conducting handline fishery fluctuated between 39.7 kg/men-day and 62.7 kg/men-day. In 2017, the catch rate drops to 29.9 kg/ men-day and has since then been on the increase (Table 4.6 and Figure 4S). CPUE for trap fishery has been on an increasing trend reaching 6.0 kg/trap in 2016 and has decreased over the last 3 years (Figure 4T). Catch rate for net fishery has fluctuated over the last 10 years and (Figure 4U).
- The catch rate for handline fishery increased from 35.0 kg/ men-day during 2019 to an estimated 37.2 kg/ men day in the year 2020. Increased in handline catch rate were observed by schooners and outboard whilst catch rate in handline fishery decreased by whaler and 'other' vessels category.
- During 2020, the CPUE for the trap fishery is estimated at 4.1 kg/ trap compared to 4.4 kg/ trap during the previous year with the highest catch rate recorded by 'other' vessels category, estimated at 5.1 kg/trap.
- The catch rate for net fishery increases from 205.8 kg/set in 2019 to 232.2 kg/set during the year 2020 (Table 46).

TABLE 4.1A Mean Number of boats operating by Month

(Database Closed on 09/12/21)

Years: 2010 - 2020

Vessel Type	Year										
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Fishermen on Foot	24	26	26	7	4	15	2	0	0	0	0
Pirogue	10	10	9	9	7	7	7	1	1	1	1
Outboard	284	270	283	287	298	305	356	253	274	262	208
Inboard	1	0		1	1	1	1	0	0	0	0
Whaler	97	96	96	99	95	94	94	67	65	61	61
Schooner	22	21	22	20	19	18	13	44	44	49	51
Semi Industrial Longliner*	1	1	2	2	4	5	3	1	2	1	11
Others**	0	0	0	0	0	0	0	3	3	5	6
Annual	439	424	438	425	428	445	476	369	389	379	338

* Semi-industrial longliners conducting artisanal fishing trips

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

TABLE 4.1B Mean Number of boats operating by Month

(Database Closed on 09/12/21)

Country: SEYCHELLES**Year: 2019**

Month	Pirogue	Outboard	Others	Whaler	Schooner	Semi Industrial Longliner*	Total
Jan		338	5	72	54		469
Feb		266	4	64	49		383
Mar	1	278	6	68	58	2	413
Apr	1	285	4	68	54	1	413
May		305	5	65	56		431
Jun	1	251	6	56	42		356
Jul	1	265	7	59	41		373
Aug	1	224	3	49	41		318
Sep	1	231	5	51	44	1	333
Oct	1	237	5	54	48		345
Nov		249	5	63	50	2	369
Dec		210	5	57	45	1	318
Annual	1	262	5	61	49	1	377
Quarter 1	1	294	5	68	54	2	422
Quarter 2	1	280	5	63	51	1	400
Quarter 3	1	240	5	53	42	1	341
Quarter 4	1	232	5	58	48	2	344
First Semester	1	287	5	66	52	2	411
Second Semester	1	236	5	56	45	1	343

* Semi-industrial longliners conducting artisanal fishing trips

Country: SEYCHELLES**Year: 2020**

Month	Pirogue	Outboard	Others	Whaler	Schooner	Semi Industrial Longliner*	Total
Jan		281	6	54	46	14	401
Feb		233	9	63	48	9	362
Mar		204	5	48	44	14	315
Apr		124	3	38	30	5	200
May		124	5	48	41	13	231
Jun		192	4	54	50	11	311
Jul		245	4	69	48	9	375
Aug		225	6	56	41	10	338
Sep	1	218	6	72	61	12	370
Oct	1	246	4	67	58	9	385
Nov		209	8	86	77	14	394
Dec		190	6	76	71	12	355
Annual	0	208	1	61	51	11	336
Quarter 1	0	239	7	55	46	12	359
Quarter 2	0	147	4	47	40	10	247
Quarter 3	1	229	5	66	50	10	361
Quarter 4	1	215	6	76	69	12	378
First Semester	0	193	5	51	43	11	303
Second Semester	1	218	5	69	58	11	361

* Semi-industrial longliners conducting artisanal fishing trips

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

(Database Closed on 09/12/21)

Country: Seychelles

Semester 1, Years 2010 - 2020

Month	Catch (Mt)								Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²
2010	6.1	4.2	485.0	0.0	581.3	257.2	1.2	1335.0	0%	0%	36%	0%	44%	19%	0%
2011	4.4	6.7	557.0	0.0	605.9	259.2	20.1	1453.3	0%	0%	38%	0%	42%	18%	1%
2012	6.6	11.8	669.3	0.0	353.7	231.7	10.3	1283.5	1%	1%	52%	0%	28%	18%	1%
2013	5.7	16.9	575.0	0.0	965.7	223.3	24.9	1811.5	0%	1%	32%	0%	53%	12%	1%
2014	3.0	29.4	776.0	0.0	849.7	289.9	67.3	2015.4	0%	1%	39%	0%	42%	14%	3%
2015	0.7	11.6	636.4	0.0	533.3	183.6	75.0	1440.6	0%	1%	44%	0%	37%	13%	5%
2016	1.6	9.2	766.0	0.0	535.7	152.0	8.7	1473.3	0%	1%	52%	0%	36%	10%	1%
2017	0.0	10.6	1102.3	38.6	383.3	338.9	29.8	1903.6	0%	1%	58%	2%	20%	18%	2%
2018	0.0	4.7	1348.5	57.1	476.3	312.6	75.6	2274.7	0%	0%	59%	3%	21%	14%	3%
2019	0.0	8.5	1447.0	69.5	476.6	509.6	8.7	2519.9	0%	0%	57%	3%	19%	20%	0%
2020	0.0		996.8	46.6	249.6	438.9	100.8	1832.7	0%	0%	54%	3%	14%	24%	5%

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

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

Country: Seychelles

Semester 2, Years 2010 - 2020

Month	Catch (Mt)								Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²
2010	8.3	11.8	395.0	0.0	659.5	187.0	0.0	1261.6	1%	1%	31%	0%	52%	15%	0%
2011	5.6	8.4	392.5	0.0	880.4	126.8	3.9	1417.6	0%	1%	28%	0%	62%	9%	0%
2012	6.6	12.5	598.8	0.0	416.6	173.2	15.3	1222.9	1%	1%	49%	0%	34%	14%	1%
2013	5.1	26.8	946.7	0.0	1174.3	156.6	29.3	2338.8	0%	1%	40%	0%	50%	7%	1%
2014	2.8	27.2	684.2	0.0	609.6	230.7	62.7	1617.1	0%	2%	42%	0%	38%	14%	4%
2015	2.0	9.0	813.8	0.0	760.0	86.4	102.5	1773.6	0%	1%	46%	0%	43%	5%	6%
2016	1.3	3.7	543.4	0.0	423.0	71.2	0.0	1042.5	0%	0%	52%	0%	41%	7%	0%
2017	0.0	5.5	1552.4	47.0	492.1	306.8	48.8	2452.6	0%	0%	63%	2%	20%	13%	2%
2018	0.0	10.9	984.3	56.0	413.2	373.1	74.6	1912.0	0%	1%	51%	3%	22%	20%	4%
2019	0.0	2.5	1081.6	23.8	339.5	426.4	17.4	1891.2	0%	0%	57%	1%	18%	23%	1%
2020	0.0	8.5	901.1	38.4	317.7	294.0	67.7	1627.3	0%	1%	55%	2%	20%	18%	4%

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

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

Country: Seychelles

Years 2010 - 2020

Month	Catch (Mt)							Total	Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²		Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²
2010	14.4	16.0	880.0	0.0	1240.8	444.2	1.2	2596.6	1%	1%	34%	0%	48%	17%	0%
2011	10.1	15.2	949.5	0.0	1486.3	386.0	23.9	2871.0	0%	1%	33%	0%	52%	13%	1%
2012	13.2	24.2	1268.2	0.0	770.3	405.0	25.6	2506.4	1%	1%	51%	0%	31%	16%	1%
2013	10.8	43.7	1521.7	0.0	2140.1	379.8	54.2	4150.4	0%	1%	37%	0%	52%	9%	1%
2014	5.8	56.6	1460.2	0.0	1459.2	520.6	130.0	3632.5	0%	2%	40%	0%	40%	14%	4%
2015	2.6	20.5	1450.3	0.0	1293.3	270.0	177.5	3214.2	0%	1%	45%	0%	40%	8%	6%
2016	2.9	12.9	1309.4	0.0	958.7	223.2	8.7	2515.8	0%	1%	52%	0%	38%	9%	0%
2017	0.0	16.1	2654.8	85.7	875.4	645.7	78.6	4356.2	0%	0%	61%	2%	20%	15%	2%
2018	0.0	15.5	2332.9	113.1	889.5	685.6	150.1	4186.7	0%	0%	56%	3%	21%	16%	4%
2019	0.0	11.0	2528.6	93.3	816.1	936.1	26.1	4411.1	0%	0%	57%	2%	19%	21%	1%
2020	0.0	8.5	1897.9	85.0	567.3	732.9	168.5	3460.0	0%	0%	55%	2%	16%	21%	5%

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

²Semi-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 09/12/21)

Country: Seychelles Year: 2019

Month	Catch (Mt)								Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner ¹	Semi Industrial Longliner ²
JAN	0.0	0.0	325.6	6.0	82.9	70.3	0.0	484.7	0%	0%	67%	1%	17%	15%	0%
FEB	0.0	0.0	205.7	5.7	91.8	85.5	0.0	388.7	0%	0%	53%	1%	24%	22%	0%
MAR	0.0	2.6	245.0	7.7	99.2	135.9	8.7	499.1	0%	1%	49%	2%	20%	27%	2%
APR	0.0	1.7	267.3	23.5	68.5	66.3	0.0	427.1	0%	0%	63%	5%	16%	16%	0%
MAY	0.0	0.0	192.1	17.3	91.7	102.7	0.0	403.8	0%	0%	48%	4%	23%	25%	0%
JUN	0.0	4.2	211.4	9.4	42.5	49.0	0.0	316.5	0%	1%	67%	3%	13%	15%	0%
JUL	0.0	0.4	204.7	5.2	73.3	75.7	0.0	359.3	0%	0%	57%	1%	20%	21%	0%
AUG	0.0	0.4	177.7	1.8	33.5	28.2	0.0	241.5	0%	0%	74%	1%	14%	12%	0%
SEP	0.0	1.0	160.8	3.5	55.3	73.5	4.8	298.8	0%	0%	54%	1%	18%	25%	2%
OCT	0.0	0.8	229.4	2.0	45.1	106.4	0.0	383.7	0%	0%	60%	1%	12%	28%	0%
NOV	0.0	0.0	174.4	4.5	68.8	95.0	12.7	355.4	0%	0%	49%	1%	19%	27%	4%
DEC	0.0	0.0	134.5	6.9	63.6	47.6	0.0	252.5	0%	0%	53%	3%	25%	19%	0%
Annual	0.0	11.0	2528.6	93.3	816.1	936.1	26.1	4411.1	0%	0%	57%	2%	19%	21%	1%
Quarter 1	0.0	2.6	776.2	19.4	273.9	291.7	8.7	1372.6	0%	0%	57%	1%	20%	21%	1%
Quarter 2	0.0	5.9	670.7	50.1	202.7	217.9	0.0	1147.3	0%	1%	58%	4%	18%	19%	0%
Quarter 3	0.0	1.7	543.2	10.5	162.1	177.4	4.8	899.7	0%	0%	60%	1%	18%	20%	1%
Quarter 4	0.0	0.8	538.3	13.3	177.5	249.0	12.7	991.6	0%	0%	54%	1%	18%	25%	1%
First Semester	0.0	8.5	1447.0	69.5	476.6	509.6	8.7	2519.9	0%	0%	57%	3%	19%	20%	0%
Second Semester	0.0	2.5	1081.6	23.8	339.5	426.5	17.4	1891.2	0%	0%	57%	1%	18%	23%	1%

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

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

Country: Seychelles Year: 2020

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

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

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

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

(Database Closed on 09/12/21)

Country: Seychelles

Semester 1, Years 2010 - 2020

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*
2010	5.3	161.4	0.0	25.4	114.5	950.2	76.9	1.2	1335.0	0%	12%	0%	2%	9%	71%	6%	0%
2011	3.1	184.1	0.0	74.4	130.8	945.1	89.5	26.3	1453.3	0%	13%	0%	5%	9%	65%	6%	2%
2012	4.5	361.6	1.1	57.7	115.8	650.3	57.3	35.2	1283.5	0%	28%	0%	4%	9%	51%	4%	3%
2013	4.4	209.8	0.0	34.5	106.4	1355.4	63.8	37.2	1811.5	0%	12%	0%	2%	6%	75%	4%	2%
2014	2.0	429.1	0.0	41.7	112.5	1179.4	67.9	182.8	2015.4	0%	21%	0%	2%	6%	59%	3%	9%
2015	0.5	224.4	0.0	26.8	127.3	920.0	47.9	93.8	1440.6	0%	16%	0%	2%	9%	64%	3%	7%
2016	1.6	265.1	0.0	51.9	143.4	891.3	62.2	57.7	1473.3	0%	18%	0%	4%	10%	60%	4%	4%
2017	16.3	314.4	0.0	79.2	193.0	1282.5	0.0	18.3	1903.6	1%	17%	0%	4%	10%	67%	0%	1%
2018	26.3	429.4	0.0	64.6	169.5	1535.5	0.0	49.4	2274.7	1%	19%	0%	3%	7%	68%	0%	2%
2019	18.7	445.1	0.0	98.1	221.2	1683.5	0.0	53.3	2519.9	1%	18%	0%	4%	9%	67%	0%	2%
2020	5.0	264.7	0.0	35.1	141.0	1283.1	0.0	103.8	1832.7	0%	14%	0%	2%	8%	70%	0%	6%

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

Country: Seychelles

Semester 2, Years 2010- 2020

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*
2010	3.5	103.8	0.0	57.3	110.7	922.0	64.3	0.0	1261.6	0%	8%	0%	5%	9%	73%	5%	0%
2011	4.9	85.5	0.0	31.8	126.7	1090.2	65.9	12.6	1417.6	0%	6%	0%	2%	9%	77%	5%	1%
2012	3.7	330.3	0.0	34.9	109.9	670.6	52.7	20.9	1222.9	0%	27%	0%	3%	9%	55%	4%	2%
2013	3.9	532.0	0.0	44.8	182.4	1466.5	65.8	43.4	2338.8	0%	23%	0%	2%	8%	63%	3%	2%
2014	1.0	328.6	0.0	44.5	148.7	864.9	67.0	162.4	1617.1	0%	20%	0%	3%	9%	53%	4%	10%
2015	1.1	470.5	0.0	20.0	132.8	1000.9	40.7	107.6	1773.6	0%	27%	0%	1%	7%	56%	2%	6%
2016	0.7	193.3	0.0	40.2	148.5	610.9	48.1	0.9	1042.5	0%	19%	0%	4%	14%	59%	5%	0%
2017	2.1	698.2	0.0	85.6	199.7	1452.0	0.0	15.0	2452.6	0%	28%	0%	3%	8%	59%	0%	1%
2018	4.7	274.1	0.0	80.4	189.1	1281.3	0.0	82.4	1912.0	0%	14%	0%	4%	10%	67%	0%	4%
2019	9.1	363.7	0.0	63.8	179.3	1263.4	0.0	11.9	1891.2	0%	19%	0%	3%	9%	67%	0%	1%
2020	13.6	203.0	0.0	25.7	145.6	1167.3	0.0	72.1	1627.3	1%	12%	0%	2%	9%	72%	0%	4%

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

Country: Seychelles

Years : 2010- 2020

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*
2010	8.8	265.2	0.0	82.7	225.2	1872.2	141.2	1.2	2596.6	0%	10%	0%	3%	9%	72%	5%	0%
2011	7.9	269.7	0.0	106.2	257.5	2035.4	155.3	38.9	2871.0	0%	9%	0%	4%	9%	71%	5%	1%
2012	8.2	691.8	1.1	92.6	225.7	1320.9	109.9	56.0	2506.4	0%	28%	0%	4%	9%	53%	4%	2%
2013	8.3	741.7	0.0	79.3	288.8	2821.9	129.6	80.6	4150.4	0%	18%	0%	2%	7%	68%	3%	2%
2014	3.0	757.7	0.0	86.2	261.2	2044.3	134.9	345.2	3632.5	0%	21%	0%	2%	7%	56%	4%	10%
2015	1.6	694.9	0.0	46.7	260.1	1920.9	88.6	201.3	3214.2	0%	22%	0%	1%	8%	60%	3%	6%
2016	2.3	458.4	0.0	92.1	291.9	1502.2	110.3	58.6	2515.8	0%	18%	0%	4%	12%	60%	4%	2%
2017	18.3	1012.6	0.0	164.8	392.7	2734.5	0.0	33.3	4356.2	0%	23%	0%	4%	9%	63%	0%	1%
2018	31.0	703.5	0.0	145.0	358.6	2816.8	0.0	131.8	4186.7	1%	17%	0%	3%	9%	67%	0%	3%
2019	27.8	808.9	0.0	161.9	400.5	2946.9	0.0	65.2	4411.1	1%	18%	0%	4%	9%	67%	0%	1%
2020	18.6	467.7	0.0	60.8	286.6	2450.4	0.0	175.9	3460.0	1%	14%	0%	2%	8%	71%	0%	5%

*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 09/12/21)

Country: Seychelles

Year: 2019

Month	Catch (Mt)							Catch (%)					
	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*	Total	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*
JAN	4.1	86.9	60.8	25.9	299.2	7.9	484.7	1%	18%	13%	5%	62%	2%
FEB	0.9	87.2	9.3	33.5	253.8	3.9	388.7	0%	22%	2%	9%	65%	1%
MAR	4.3	66.0	3.2	45.0	347.3	33.3	499.1	1%	13%	1%	9%	70%	7%
APR	2.6	49.2	7.7	44.9	318.7	4.0	427.1	1%	12%	2%	11%	75%	1%
MAY	4.1	67.5	6.9	33.4	287.6	4.3	403.7	1%	17%	2%	8%	71%	1%
JUN	2.7	88.3	10.1	38.5	176.8	0.0	316.5	1%	28%	3%	12%	56%	0%
JUL	0.4	79.0	17.2	16.2	246.5	0.0	359.4	0%	22%	5%	5%	69%	0%
AUG	0.5	69.5	8.1	14.7	148.8	0.0	241.5	0%	29%	3%	6%	62%	0%
SEP	3.4	38.9	7.7	32.6	211.4	4.8	298.8	1%	13%	3%	11%	71%	2%
OCT	1.2	94.9	3.8	56.1	227.5	0.2	383.7	0%	25%	1%	15%	59%	0%
NOV	2.3	37.1	5.4	42.4	262.6	5.6	355.4	1%	10%	2%	12%	74%	2%
DEC	1.3	44.4	21.5	17.4	166.5	1.3	252.5	1%	18%	9%	7%	66%	1%
Annual	27.8	808.9	161.9	400.5	2946.9	65.2	4411.1	1%	18%	4%	9%	67%	1%
Quarter 1	9.3	240.2	73.4	104.4	900.3	45.0	1372.6	1%	17%	5%	8%	66%	3%
Quarter 2	9.4	205.0	24.7	116.8	783.1	8.3	1147.3	1%	18%	2%	10%	68%	1%
Quarter 3	4.3	187.3	33.1	63.5	606.8	4.8	899.7	0%	21%	4%	7%	67%	1%
Quarter 4	4.8	176.4	30.8	115.8	656.6	7.2	991.5	0%	18%	3%	12%	66%	1%
First Semester	18.7	445.2	98.1	221.2	1683.5	53.3	2519.9	1%	18%	4%	9%	67%	2%
Second Semester	9.1	363.7	63.8	179.3	1263.4	11.9	1891.2	0%	19%	3%	9%	67%	1%

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

Country: Seychelles

Year: 2020

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

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

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

(Database Closed on 09/12/21)

Country: Seychelles**Semester 1, Years 2010 - 2020**

Species	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
CARANGUES	386.8	237.4	253.1	593.3	443.7	371.5	452.9	474.5	762.8	627.5	578.9
MAQUEREAU DOUX	104.6	178.7	234.5	154.8	189.6	152.5	145.8	148.2	231.7	244.9	172.2
OTHER MAQUEREAU	17.9	1.8	121.7	44.8	125.5	68.4	57.4	104.6	43.8	53.7	4.5
BONITE	20.5	30.6	33.8	69.1	42.4	71.5	47.0	91.5	84.1	85.6	88.7
OTHER PELAGICS	22.6	5.2	8.2	30.7	17.4	41.7	7.7	40.3	28.3	50.4	54.6
BECUNE	32.8	29.9	19.6	50.3	81.6	74.3	63.5	85.6	112.0	96.4	66.4
CORDONIER	103.8	147.4	102.7	76.4	97.1	96.4	155.3	118.0	123.0	161.4	68.3
OTHER TRAP FISH	63.8	69.1	73.5	74.1	73.7	59.9	43.1	98.6	74.6	125.7	73.5
RED SNAPPER	51.1	35.0	36.0	58.9	100.5	24.1	26.3	66.7	77.2	107.8	78.8
BOURGEOIS	178.1	327.7	105.7	211.0	168.0	95.6	149.8	151.2	182.4	298.7	122.7
JOB	202.5	167.4	116.2	231.6	241.0	176.2	137.5	194.4	240.0	296.4	280.3
MACONDE	15.5	40.0	22.4	15.3	33.8	27.4	26.2	36.3	42.3	63.8	25.5
OTHER VIELLE	26.4	31.4	24.6	28.9	90.4	38.8	20.1	52.2	77.6	85.8	76.3
CAPITAINE	54.7	97.8	63.3	98.0	98.4	65.6	52.5	159.7	117.3	139.4	114.0
SHARKS & RAYS	4.2	12.5	12.0	15.1	26.9	16.7	12.4	18.9	25.7	13.3	10.0
OCTOPUS	6.0	4.1	8.6	11.9	15.7	6.9	6.1	22.2	26.4	20.5	5.6
OTHERS	37.3	35.6	45.4	47.4	138.7	38.0	57.2	27.8	9.3	15.6	11.5
CRAB	6.3	2.1	2.2	0.1	31.0	15.2	12.4	12.9	16.0	32.9	1.0
Annual	1335.0	1453.3	1283.5	1811.5	2015.4	1440.6	1473.3	1903.6	2274.7	2519.9	1832.7

Country: Seychelles**Semester 2, Years 2010 - 2020**

Species	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
CARANGUES	288.4	591.1	294.9	760.7	383.4	459.3	280.1	882.6	485.8	415.6	556.0
MAQUEREAU DOUX	69.8	40.3	234.5	365.9	201.1	377.9	74.6	161.2	130.0	242.2	150.9
OTHER MAQUEREAU	11.2	35.7	72.7	96.8	110.4	70.6	72.1	88.2	34.4	30.3	20.0
BONITE	27.5	54.8	36.6	145.6	29.7	32.1	28.7	125.2	40.5	29.1	41.3
OTHER PELAGICS	13.5	11.0	8.7	42.6	13.9	74.5	10.6	78.8	90.8	68.0	41.5
BECUNE	20.7	11.6	25.2	55.0	33.0	55.9	60.7	73.5	84.8	71.9	42.0
CORDONIER	150.8	100.2	78.8	121.2	140.6	119.6	145.9	136.6	102.2	108.9	75.6
OTHER TRAP FISH	44.1	63.3	68.0	98.9	68.5	36.1	42.2	103.2	128.3	125.1	66.1
RED SNAPPER	25.5	31.3	22.1	45.7	59.0	67.1	26.6	78.6	102.2	69.5	59.9
BOURGEOIS	306.7	109.1	104.6	136.5	89.2	120.0	50.6	137.9	115.0	176.3	113.9
JOB	151.4	235.3	83.2	188.4	187.8	184.2	100.2	237.7	218.2	232.0	203.6
MACONDE	15.1	11.1	11.7	21.8	27.6	9.5	19.8	33.7	52.4	53.5	41.7
OTHER VIELLE	20.9	18.2	21.3	32.1	88.9	49.8	14.5	45.3	57.3	85.7	68.0
CAPITAINE	42.4	54.6	79.9	118.5	80.7	53.7	64.9	150.1	158.7	135.3	111.2
SHARKS & RAYS	16.4	14.4	21.9	21.2	21.8	9.9	18.6	14.8	15.9	13.4	5.9
OCTOPUS	3.8	7.7	4.2	12.8	7.8	8.2	4.7	11.9	5.2	9.6	13.6
OTHERS	44.7	23.4	49.0	65.4	46.8	35.6	5.6	78.9	16.2	21.4	7.8
CRAB	8.7	4.5	5.7	9.9	27.0	9.6	21.9	14.5	74.2	3.7	8.4
Annual	1261.6	1417.6	1222.9	2338.8	1617.1	1773.6	1042.5	2452.6	1912.0	1891.2	1627.3

Country: Seychelles

Years: 2010 - 2020

Species	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
CARANGUES	675.2	828.5	548.0	1354.0	827.1	830.8	733.0	1357.0	1248.6	1043.1	1134.9
MAQUEREAU DOUX	174.3	219.0	469.0	520.7	390.7	530.4	220.4	309.4	361.6	487.1	323.2
OTHER MAQUEREAU	29.1	37.5	194.4	141.6	236.0	139.0	129.5	192.8	78.2	84.0	24.5
BONITE	48.0	85.3	70.4	214.7	72.1	103.6	75.7	216.7	124.6	114.7	130.0
OTHER PELAGICS	36.1	16.2	16.8	73.2	31.3	116.2	18.3	119.1	119.1	118.4	96.1
BECUNE	53.4	41.5	44.8	105.3	114.6	130.2	124.2	159.1	196.8	168.3	108.5
CORDONIER	254.6	247.5	181.4	197.6	237.7	215.9	301.3	254.6	225.3	270.3	143.8
OTHER TRAP FISH	108.0	132.3	141.5	173.0	142.3	96.0	85.3	201.8	202.9	250.8	139.6
RED SNAPPER	76.6	66.3	58.1	104.6	159.5	91.2	53.0	145.3	179.4	177.3	138.7
BOURGEOIS	484.8	436.9	210.2	347.6	257.2	215.7	200.4	289.1	297.5	474.9	236.5
JOB	353.9	402.7	199.4	420.0	428.8	360.4	237.7	432.1	458.2	528.4	483.9
MACONDE	30.6	51.1	34.2	37.0	61.4	36.9	46.0	70.1	94.7	117.3	67.2
OTHER VIELLE	47.3	49.6	45.8	60.9	179.4	88.6	34.7	97.5	134.9	171.5	144.4
CAPITAINE	97.1	152.4	143.2	216.5	179.1	119.3	117.4	309.8	276.0	274.8	225.2
SHARKS & RAYS	20.7	26.9	34.0	36.3	48.7	26.6	31.0	33.7	41.7	26.7	15.9
OCTOPUS	9.8	11.7	12.8	24.6	23.4	15.1	10.8	34.0	31.6	30.1	19.2
OTHERS	82.0	59.0	94.4	112.7	185.5	73.6	62.8	106.7	25.5	37.0	19.3
CRAB	15.0	6.6	8.0	9.9	58.0	24.8	34.3	27.4	90.2	36.6	9.4
Annual	2596.6	2871.0	2506.4	4150.4	3632.5	3214.2	2515.8	4356.2	4186.7	4411.1	3460.0

TABLE 4.4A Monthly Catch Statistics for Artisanal Fishery by Species

(Database Closed on 09/12/21)

Country: Seychelles**Year: 2019**

Species	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Semester 1	Semester 2
CARANGUES	109.4	69.7	109.9	102.4	135.6	100.5	92.4	23.5	73.2	93.6	58.6	74.4	1043.1	24%	289.0	338.5	189.0	226.6	627.5	415.6
MAQUEREAU DOUX	10.4	75.3	28.8	36.6	49.6	44.3	71.5	67.4	35.9	45.8	19.0	2.7	487.1	11%	114.4	130.5	174.7	67.5	244.9	242.2
OTHER MAQUEREAU	16.9	8.5	16.4	5.5	4.1	2.4	0.7	0.3	0.3	20.1	2.6	6.3	84.0	2%	41.8	12.0	1.2	29.0	53.7	30.3
BONITE	9.6	10.6	22.3	24.5	14.3	4.3	3.8	7.9	1.7	4.4	8.1	3.2	114.7	3%	42.4	43.2	13.5	15.7	85.6	29.1
OTHER PELAGICS	9.3	8.0	8.3	6.4	14.1	4.3	11.3	4.3	5.3	13.2	27.9	6.0	118.4	3%	25.7	24.8	20.9	47.1	50.4	68.0
BECUNE	27.0	18.8	12.8	14.7	11.5	11.7	8.0	7.0	11.0	16.7	17.4	11.8	168.3	4%	58.6	37.8	26.0	45.9	96.4	71.9
CORDONIER	51.6	25.2	25.4	24.4	14.9	19.9	17.3	8.7	16.4	22.1	21.4	23.1	270.3	6%	102.2	59.2	42.3	66.6	161.4	108.9
OTHER TRAP FISH	38.5	13.0	16.8	17.9	15.7	23.9	22.4	17.8	19.2	24.3	20.8	20.4	250.8	6%	68.2	57.5	59.5	65.6	125.7	125.1
RED SNAPPER	24.6	23.7	30.4	11.8	9.7	7.6	6.9	8.8	9.3	16.2	17.6	10.7	177.3	4%	78.7	29.1	25.0	44.5	107.8	69.5
BOURGEOIS	59.5	45.9	78.2	65.9	29.4	19.8	21.6	14.2	23.4	29.9	49.0	38.2	475.0	11%	183.6	115.1	59.2	117.1	298.7	176.3
JOB	44.1	46.7	65.1	47.2	62.1	31.3	54.0	30.8	38.6	49.4	46.4	12.9	528.4	12%	155.8	140.6	123.4	108.6	296.4	232.0
MACONDE	16.7	7.6	11.9	14.0	8.0	5.6	6.6	9.2	11.3	7.0	12.4	7.0	117.3	3%	36.1	27.7	27.1	26.4	63.8	53.5
OTHER VIELLE	12.2	11.7	22.6	19.9	9.3	10.1	13.7	13.7	17.4	10.3	16.3	14.2	171.5	4%	46.5	39.3	44.8	40.9	85.8	85.7
CAPITAINE	33.0	18.6	19.9	24.8	17.9	25.2	24.2	20.6	26.6	22.4	25.2	16.3	274.8	6%	71.5	67.9	71.4	63.9	139.4	135.3
SHARKS & RAYS	6.9	2.3	2.1	0.8	0.8	0.5	2.9	3.5	1.8	1.4	2.4	1.4	26.7	1%	11.3	2.0	8.2	5.2	13.3	13.4
OCTOPUS	4.7	1.4	5.3	2.8	4.0	2.4	0.5	0.5	3.6	1.3	2.4	1.3	30.1	1%	11.3	9.2	4.6	5.0	20.5	9.6
OTHERS	2.6	1.8	2.1	3.7	2.8	2.7	1.7	3.3	4.1	5.6	5.5	1.2	37.0	1%	6.5	9.2	9.1	12.3	15.6	21.4
CRAB	7.9		21.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.3	36.6	1%	28.9	4.0	0.0	3.7	32.9	3.7
Annual	484.8	388.7	499.1	427.1	403.8	316.5	359.4	241.5	298.8	383.7	355.4	252.5	4411.1	100%	1372.6	1147.3	899.7	991.6	2519.9	1891.2

Country: Seychelles**Year: 2020**

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

TABLE 4.5 Time Series of Effort Statistics for Artisanal Fishery by Vessel and Gear Type
(Database Closed on 09/12/21)

Country: SEYCHELLES

Semester 1, Years 2010 - 2020

Month	Handline Fishery						Trap Fishery						Net Fishery		
	Pirogue	Outboard	Whaler	Schooner	Others	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
	Effort (Mendays)						Effort (Traps)						Effort (Sets)		
2010	0	4647	11741	4638	0	21026	338	255	41841	0	0	42434	54	699	752
2011	126	4633	10100	5965	0	20825	825	930	53497	0	0	55252	36	942	978
2012	92	4096	4761	5712	0	14661	470	1202	40611	0	0	42282	64	909	973
2013	310	5987	12779	5108	0	24184	455	1312	40177	517	0	42461	77	1202	1279
2014	155	5905	13664	6372	0	26096	113	639	42086	0	0	42838	220	1639	1860
2015	99	7196	12793	4407	0	24495	50	482	37751	75	0	38358	128	1006	1135
2016	161	7744	10200	3447	0	21552	0	407	40316	134	0	40856	118	1554	1672
2017	48	13980	15012	15290	653	44983	0	0	73705	304	706	74715	42	1500	1542
2018	0	14994	15231	11031	718	41974	0	0	61801	423	0	62224	40	1661	1701
2019	0	16591	12078	15048	1041	44759	0	0	66266	411	506	67183	41	2010	2051
2020	0	11708	9217	10218	1125	32269	0	0	38064	0	187	38251		1197	1197

Country: SEYCHELLES

Semester 2, Years 2010 - 2020

Month	Handline Fishery						Trap Fishery						Net Fishery		
	Pirogue	Outboard	Whaler	Schooner	Others	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
	Effort (Mendays)						Effort (Traps)						Effort (Sets)		
2010	205	3756	17041	4125	0	25127	2875	1733	48148	0	0	52756	70	564	634
2011	148	4280	8982	4437	0	17846	133	1535	50754	0	0	52421	69	768	837
2012	113	3755	9839	4835	0	18542	600	1694	41238	0	0	43532	110	1246	1355
2013	94	5695	13351	3758	0	22898	194	1267	53611	269	0	55341	174	2015	2189
2014	152	5439	8764	4240	0	18595	636	1470	49001	106	0	51213	360	1261	1621
2015	137	6513	16495	2963	0	26109	158	836	35091	250	0	36335	122	915	1037
2016	149	5200	7503	882	0	13734	52	271	40164	610	0	41097	48	844	892
2017	0	15379	15025	12750	725	43880	0	0	71781	686	840	73307	34	1728	1762
2018	0	16141	13949	12250	618	42958	0	0	77060	1025	475	78560	41	1052	1093
2019	0	14898	11606	11503	1022	39029	0	0	60630	466	338	61434	36	1843	1879
2020	0	12792	9676	9729	1274	33471	0	0	45628	96	328	46052	30	781	1879

Country: SEYCHELLES

Years: 2010 - 2020

Month	Handline Fishery Effort (Mendays)						Trap Fishery Effort (Traps)						Net Fishery Effort (Sets)		
	Pirogue	Outboard	Whaler	Schooner	Others	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
2010	205	8403	28782	8763	0	46153	3213	1989	89989	0	0	95191	124	1262	1386
2011	274	8913	19082	10402	0	38671	958	2464	104251	0	0	107673	104	1711	1815
2012	204	7851	14600	10547	0	33203	1070	2896	81849	0	0	85814	174	2155	2329
2013	404	11682	26130	8866	0	47082	649	2579	93788	786	0	97802	251	3217	3468
2014	307	11344	22428	10612	0	44691	749	2108	91088	106	0	94051	581	2901	3481
2015	237	13709	29288	7370	0	50604	208	1318	72842	325	0	74693	250	1921	2171
2016	311	12944	17703	4329	0	35286	52	678	80479	744	0	81953	166	2398	2564
2017	48	29399	30036	28041	1378	88902	0	0	145486	990	1546	148022	76	3228	3304
2018	0	31143	29180	23281	1336	84940	0	0	138861	1448	475	140784	81	2713	2794
2019	0	31489	23675	26583	2063	83810	0	0	126896	877	844	128617	77	3853	3930
2020	0	24501	18893	19947	2399	65740	0	0	83692	96	515	84303	30	1978	2008

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

(Database Closed on 30/07/21)

Country: SEYCHELLES
Year: 2019

Month	Outboard	Whaler	Schooner Effort (Mendays)	Others	Total	Outboard	Whaler	Others	Total	Pirogue	Net Fishery	
											Effort (Traps)	
Jan	3282	1940	2429	113	7764	11525	58	205	11788	0	475	475
Feb	2546	1976	2623	110	7255	9167	213	185	9565	0	445	445
Mar	2953	2530	2716	147	8346	11599	8	116	11723	5	371	376
Apr	3423	2155	2479	204	8262	11380			11380	13	197	210
May	2428	1836	3109	276	7650	11532	8		11540	0	354	354
Jun	1958	1641	1692	191	5483	11063	124		11187	23	168	191
Jul	3063	2219	1946	207	7436	8731	20	60	8811	6	392	398
Aug	2576	1484	1331	113	5504	7506	74		7580	4	184	188
Sep	2668	1646	2061	213	6589	9592		93	9685	13	182	195
Oct	2218	2172	1979	88	6456	14402			14402	13	496	509
Nov	2662	2373	2651	182	7868	11027	198	185	11410	0	214	214
Dec	1711	1711	1535	220	5176	9372	174		9546	0	375	375
Annual	31489	23684	26551	2063	83788	126896	877	844	128617	77	3853	3930
Quarter 1	8781	6446	7767	370	23365	32291	279	506	33076	5	1291	1296
Quarter 2	7810	5632	7281	671	21394	33975	132	0	34107	36	719	755
Quarter 3	8307	5350	5338	533	19529	25829	94	153	26076	23	758	781
Quarter 4	6591	6256	6165	489	19500	34801	372	185	35358	13	1085	1098
First Semester	16591	12078	15048	1041	44759	66266	411	506	67183	41	2010	2051
Second Semester	14898	11606	11503	1022	39029	60630	466	338	61434	36	1843	1879

Country: SEYCHELLES
Year: 2020

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

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

(Database Closed on 09/12/21)

Country: SEYCHELLES

Semester 1, Years: 2010 - 2020

Month	Pirogue	Handline Fishery CPUE (kg/Men day)				Total	Fishermen on foot	Pirogue	Trap Fishery CPUE (kg/ Trap)			Total	Pirogue	Net Fishery CPUE (kg/Set)		Total
		Outboard	Whaler	Schooner	Others				Outboard	Whaler	Others			Outboard	Total	
2010	0.0	40.6	49.5	55.5	0.0	48.8	2.3	3.4	5.1	0.0	0.0	5.1	61.4	226.3	214.5	
2011	10.7	37.7	60.0	42.4	0.0	49.7	1.6	3.4	5.4	0.0	0.0	5.3	75.2	192.6	188.3	
2012	19.8	35.4	74.3	36.2	0.0	48.3	4.3	2.3	5.6	0.0	0.0	5.5	111.7	391.2	372.7	
2013	13.2	40.3	75.3	41.3	0.0	58.7	2.8	2.7	4.9	5.6	0.0	4.8	121.8	166.7	164.0	
2014	13.9	37.4	62.2	27.4	0.0	47.8	9.0	2.7	5.2	0.0	0.0	5.2	115.8	246.2	230.7	
2015	21.3	37.4	41.6	37.4	0.0	39.5	3.2	4.2	5.2	21.0	0.0	5.3	57.7	215.6	197.8	
2016	21.7	40.3	52.4	29.9	0.0	44.2	0.0	3.7	6.3	6.0	0.0	6.3	35.7	167.9	158.6	
2017	16.0	36.9	25.2	21.0	56.3	27.8	0.0	0.0	3.6	15.9	2.7	3.6	233.3	203.1	203.9	
2018	0.0	44.6	31.0	26.7	79.5	35.6	0.0	0.0	3.7	9.9	0.0	3.7	116.3	255.7	252.5	
2019	0.0	40.6	39.5	30.9	65.8	37.6	0.0	0.0	4.8	0.0	2.1	4.8	207.1	217.2	217.0	
2020	0.0	47.1	27.1	42.8	39.9	39.8	0.0	0.0	4.6	0.0	2.8	4.6	0.0	221.1	221.1	

Country: SEYCHELLES

Semester 2, Years: 2010- 2020

Month	Pirogue	Handline Fishery CPUE (kg/Men day)				Total	Fishermen on foot	Pirogue	Trap Fishery CPUE (kg/ Trap)			Total	Pirogue	Net Fishery CPUE (kg/Set)		Total
		Outboard	Whaler	Schooner	Others				Outboard	Whaler	Others			Outboard	Total	
2010	7.8	36.8	38.7	45.3	0.0	39.3	1.7	3.3	4.6	0.0	0.0	4.4	75.0	174.9	163.8	
2011	20.0	36.1	98.0	26.6	0.0	64.8	6.0	2.7	4.3	0.0	0.0	4.3	33.4	108.3	102.2	
2012	24.3	36.3	42.3	34.7	0.0	39.0	4.9	2.5	4.6	0.0	0.0	4.5	63.0	259.6	243.7	
2013	19.9	38.6	87.5	37.9	0.0	66.9	6.2	3.2	5.3	23.0	0.0	5.3	120.0	253.6	243.0	
2014	19.0	35.1	69.3	30.9	0.0	50.1	2.8	3.3	5.1	21.3	0.0	5.1	57.5	244.1	202.7	
2015	15.2	30.7	46.0	27.4	0.0	39.9	5.4	3.2	5.4	6.9	0.0	5.3	34.8	509.7	454.0	
2016	10.0	32.6	55.7	79.7	0.0	48.0	11.5	2.9	5.7	8.4	0.0	5.8	29.0	227.5	216.8	
2017	0.0	37.8	32.2	22.9	62.2	32.0	0.0	0.0	3.8	12.6	2.3	3.9	161.8	400.9	396.2	
2018	0.0	28.2	29.0	26.3	90.5	28.8	0.0	0.0	3.4	8.2	0.0	3.4	264.6	250.3	250.8	
2019	0.0	31.2	28.9	37.0	23.0	32.0	0.0	0.0	4.0	1.1	0.7	4.0	69.4	196.0	193.6	
2020	0.0	40.9	32.8	29.4	28.5	34.7	0.0	0.0	3.7	2.2	6.4	3.7	281.7	249.1	248.5	

Country: SEYCHELLES

Years: 2010 - 2020

Month	Handline Fishery CPUE (kg/Men day)						Fishermen on foot	Trap Fishery CPUE (kg/ Trap)					Net Fishery CPUE (kg/Set)		
	Pirogue	Outboard	Whaler	Schooner	Others	Total		Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
2010	7.8	38.9	43.1	50.7	0.0	43.6	1.7	3.3	4.9	0.0	0.0	4.7	69.1	203.3	191.3
2011	15.7	36.9	77.9	35.7	0.0	56.7	2.2	3.0	4.9	0.0	0.0	4.8	47.6	154.7	148.6
2012	22.3	35.9	52.8	35.5	0.0	43.1	4.7	2.4	5.1	0.0	0.0	5.0	81.0	315.1	297.6
2013	14.7	39.5	81.6	39.9	0.0	62.7	3.8	2.9	5.1	11.6	0.0	5.1	120.6	221.2	213.9
2014	16.4	36.3	65.0	28.8	0.0	48.8	3.8	3.1	5.2	21.3	0.0	5.1	79.6	245.3	217.7
2015	17.8	34.2	44.0	33.4	0.0	39.7	4.9	3.6	5.3	10.1	0.0	5.3	46.5	355.7	320.1
2016	16.1	37.2	53.8	40.0	0.0	45.7	11.5	3.4	6.0	7.9	0.0	6.0	33.7	188.9	178.8
2017	16.0	37.4	28.7	21.9	59.4	29.9	0.0	0.0	3.7	13.6	2.5	3.8	201.3	308.9	306.5
2018	0.0	36.1	30.1	26.5	84.6	32.2	0.0	0.0	3.5	8.7	0.0	3.6	191.4	253.6	251.8
2019	0.0	36.2	34.3	33.5	44.6	35.0	0.0	0.0	4.4	0.6	1.5	4.4	142.7	207.1	205.8
2020	0.0	43.8	30.0	36.3	33.8	37.2	0.0	0.0	4.1	2.2	5.1	4.1	281.7	232.2	232.2

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

(Database Closed on 09/12/21)

Country: SEYCHELLES

Year: 2019

Month	Outboard	Whaler	Schooner	Others	Total	Outboard	Whaler	Others	Total	Net Fishery			
										Effort (Kg/Mendays)			
											Effort (Kg/Sets)		
Jan	45.3	42.8	25.7	46.7	38.5	7.5	0.0	3.5	7.4	0.0	182.9	182.9	
Feb	29.4	46.4	31.1	51.9	35.0	4.7	0.0	0.0	4.5	0.0	196.0	196.0	
Mar	43.8	39.2	40.9	50.1	41.6	4.1	0.0	2.8	4.1	520.0	170.9	175.6	
Apr	48.1	31.8	25.1	115.0	38.6	4.6	0.0	0.0	4.6	129.2	241.3	234.3	
May	33.0	50.0	31.6	62.7	37.6	3.5	0.0	0.0	3.5	0.0	190.6	190.6	
Jun	38.8	25.9	28.9	48.9	32.2	4.4	0.0	0.0	4.3	183.0	500.6	462.4	
Jul	30.2	33.0	38.9	24.1	33.1	3.8	0.0	3.8	3.8	61.7	200.5	198.4	
Aug	33.3	22.3	21.2	15.7	27.0	3.0	0.0	0.0	3.0	87.5	375.8	369.7	
Sep	29.7	33.6	35.6	16.5	32.1	4.2	0.0	0.0	4.2	75.4	208.1	199.2	
Oct	33.4	20.8	53.7	22.3	35.2	4.2	0.0	0.0	4.2	61.5	189.6	186.4	
Nov	31.6	28.0	35.8	24.6	31.8	4.3	0.0	0.0	4.2	0.0	173.4	173.4	
Dec	29.1	36.5	30.9	31.2	32.2	4.2	0.0	0.0	4.1	0.0	118.5	118.5	
Annual	36.2	34.3	33.5	44.6	35.0	4.4	0.6	1.5	4.4	142.7	207.1	205.8	
Quarter 1	40.2	42.5	32.8	49.6	38.5	5.5	0.0	2.1	5.4	520.0	184.0	185.3	
Quarter 2	41.1	36.0	28.8	74.7	36.6	4.2	0.0	0.0	4.1	163.6	276.9	271.5	
Quarter 3	31.0	30.2	33.2	19.3	31.1	3.7	5.2	1.5	3.7	73.9	244.9	239.8	
Quarter 4	31.5	27.8	40.3	27.1	33.0	4.2	0.0	0.0	4.1	61.5	161.9	160.7	
First Semester	40.6	39.5	30.9	65.8	37.6	4.8	0.0	2.1	4.8	207.1	217.2	217.0	
Second Semester	31.2	28.9	37.0	23.0	32.0	4.0	1.1	0.7	4.0	69.4	196.0	193.6	

Country: SEYCHELLES

Year: 2020

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

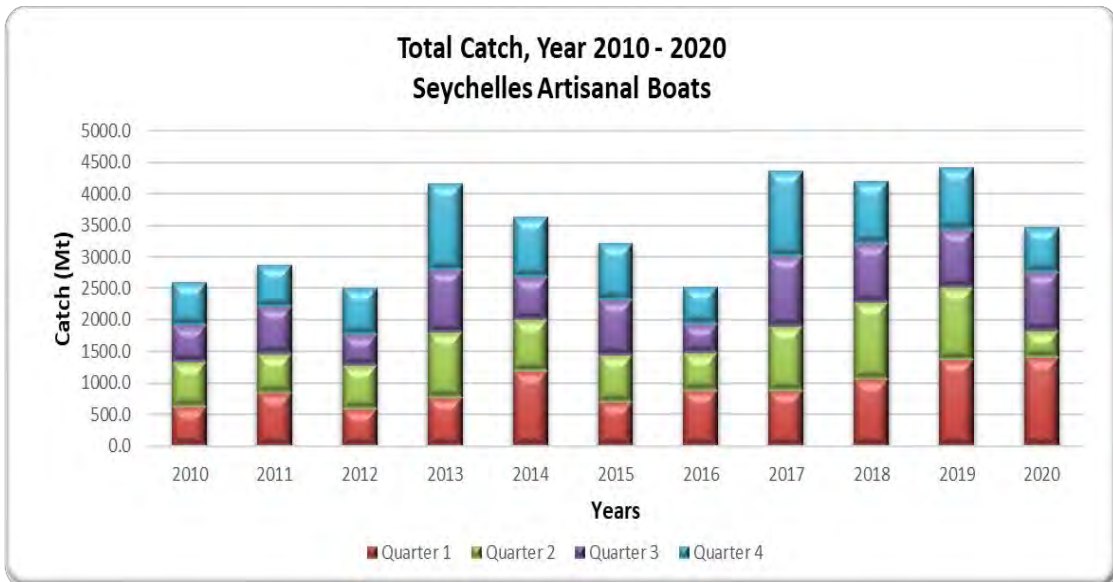


Figure 4A: Artisanal fishery Total Catch, Years 2010 - 2020

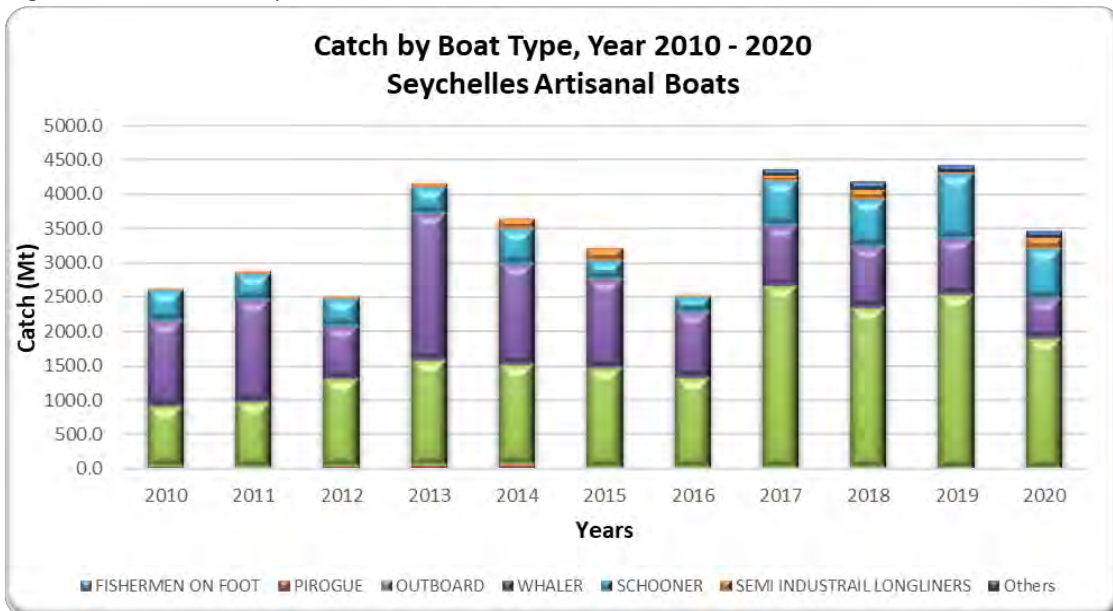


Figure 4B: Artisanal fishery Catch by Vessel Type, Years 2010 - 2020

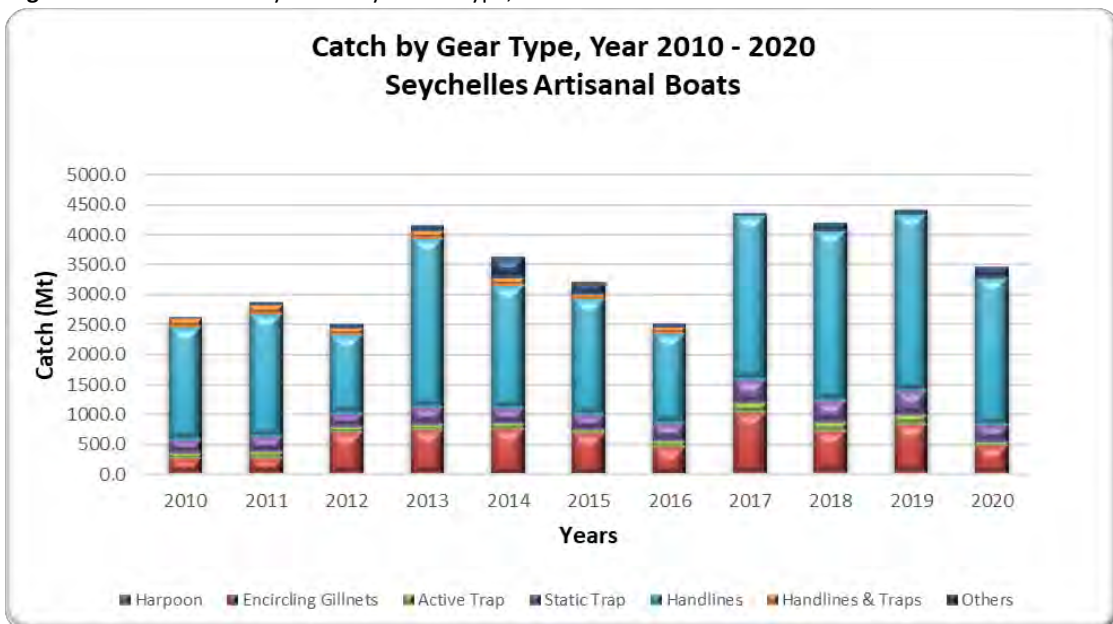


Figure 4C: Artisanal fishery Catch by Gear Type, Years 2010 - 2020

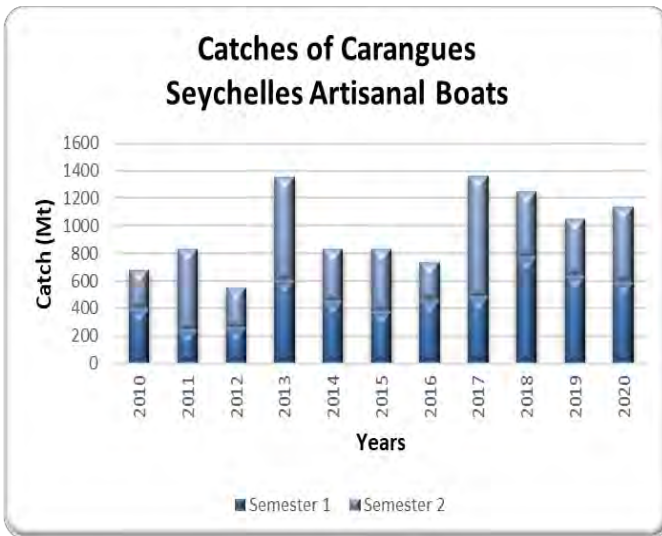


Figure 4D: Catches of Carangues, Years 2010-2020

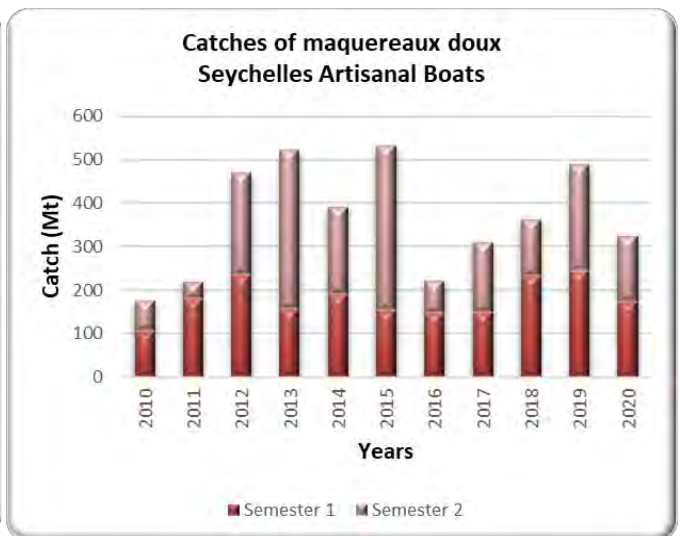


Figure 4E: Catches of Maquereau doux, Years 2010-2020

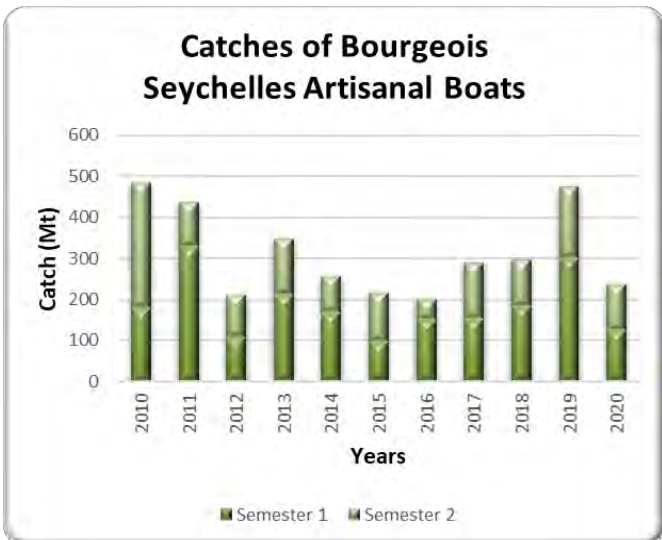


Figure 4F: Catches of bourgeois, Years 2010-2020

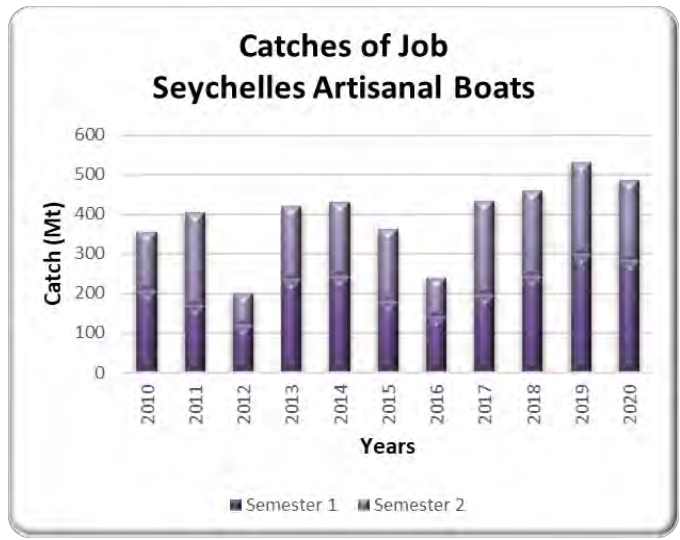


Figure 4G: Catches of job, Years 2010-2020

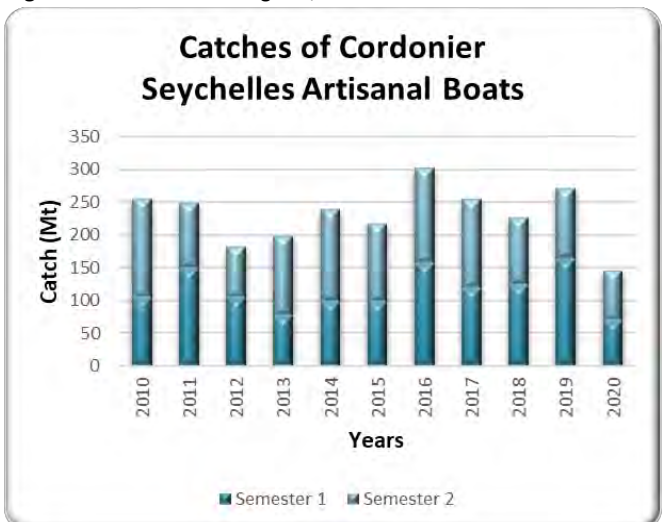


Figure 4H: Catches of cordonier, Years 2010-2020

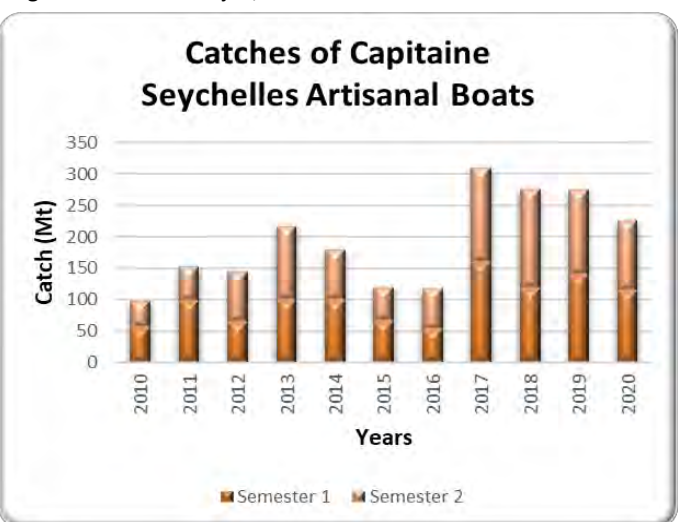


Figure 4I: Catches of capitaine, Years 2010-2020

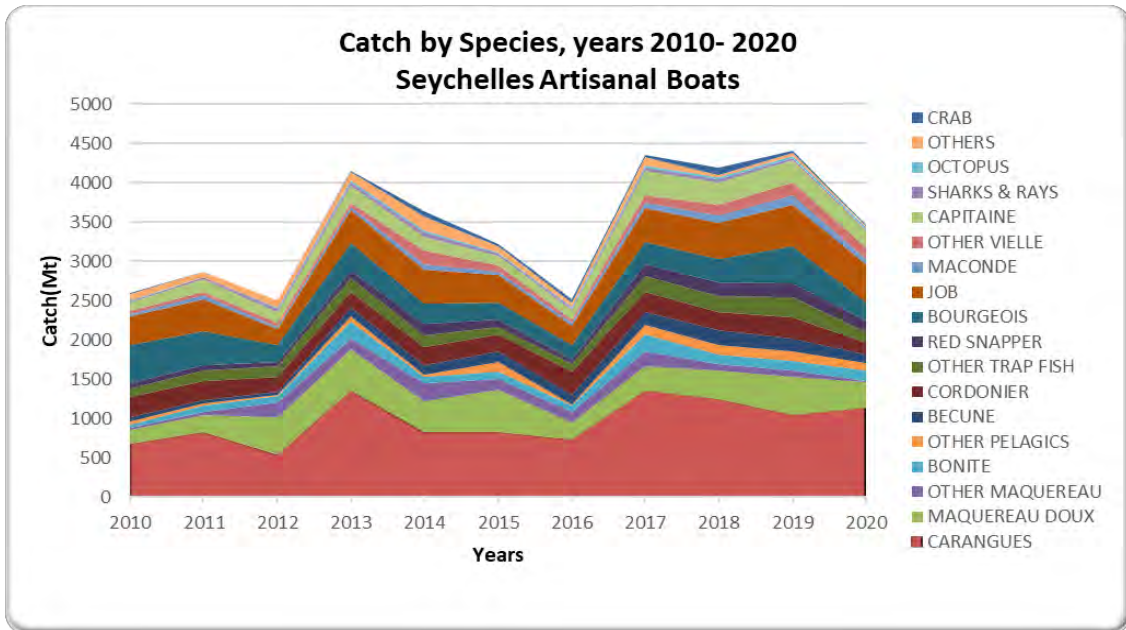


Figure 4J: Artisanal fishery Catch by Species, Years 2010- 2020

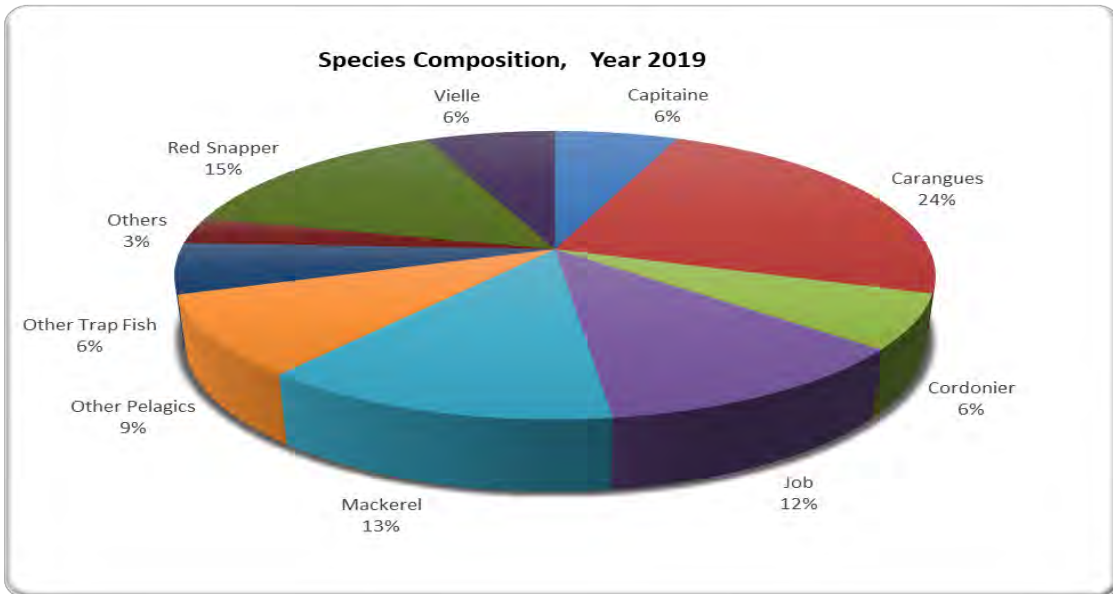


Figure 4K: Artisanal fishery Species composition of catches, Year 2019

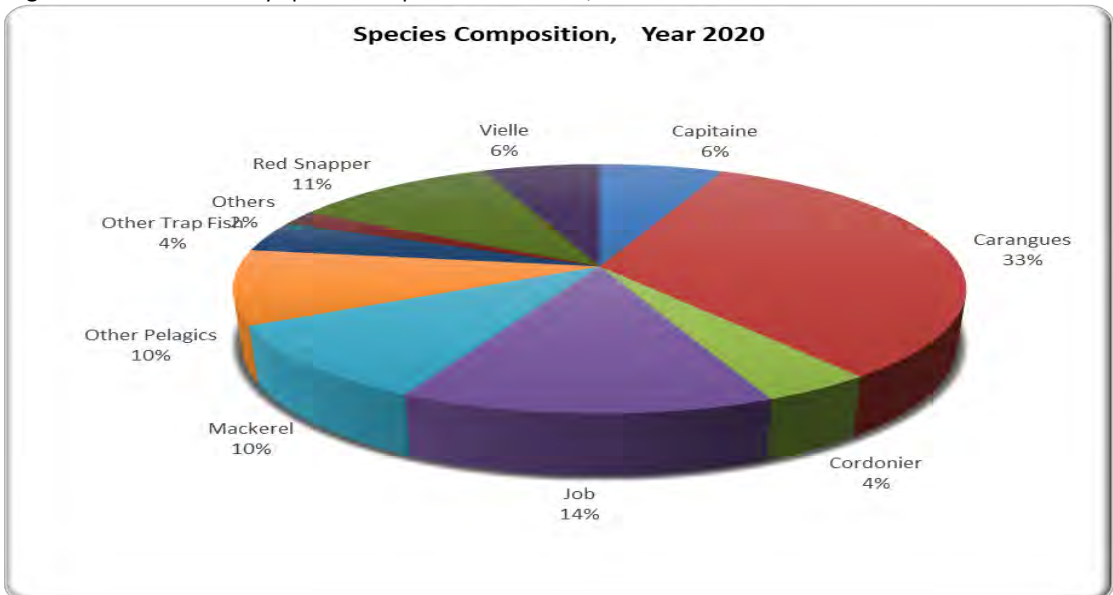


Figure 4L: Artisanal fishery Species composition of catches, Year 2020

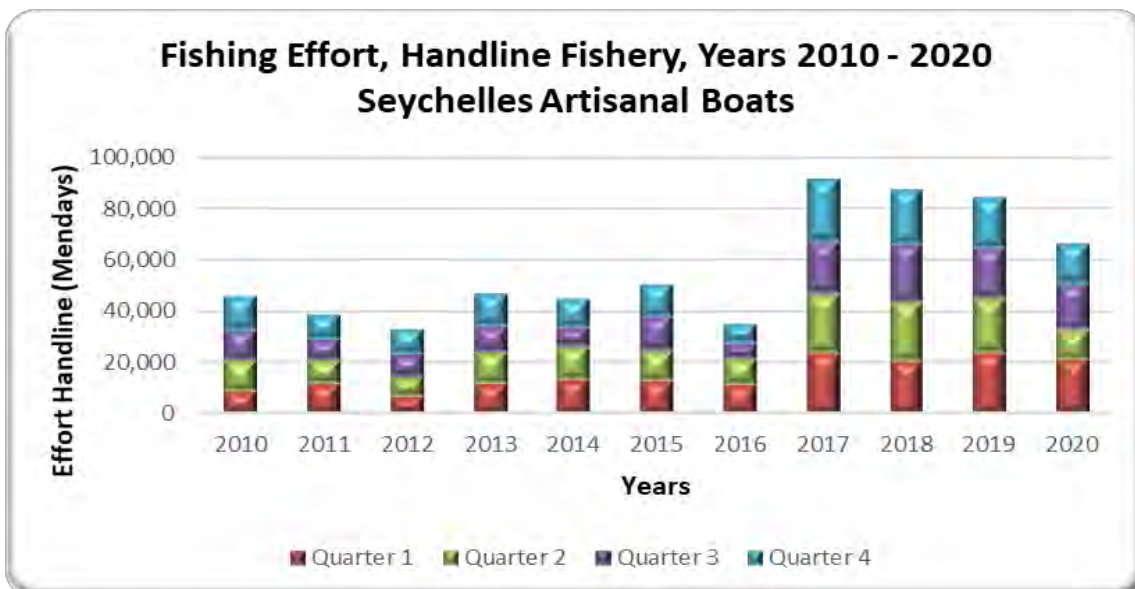


Figure 4M: Artisanal handline fishery, fishing effort, Years 2010- 2020

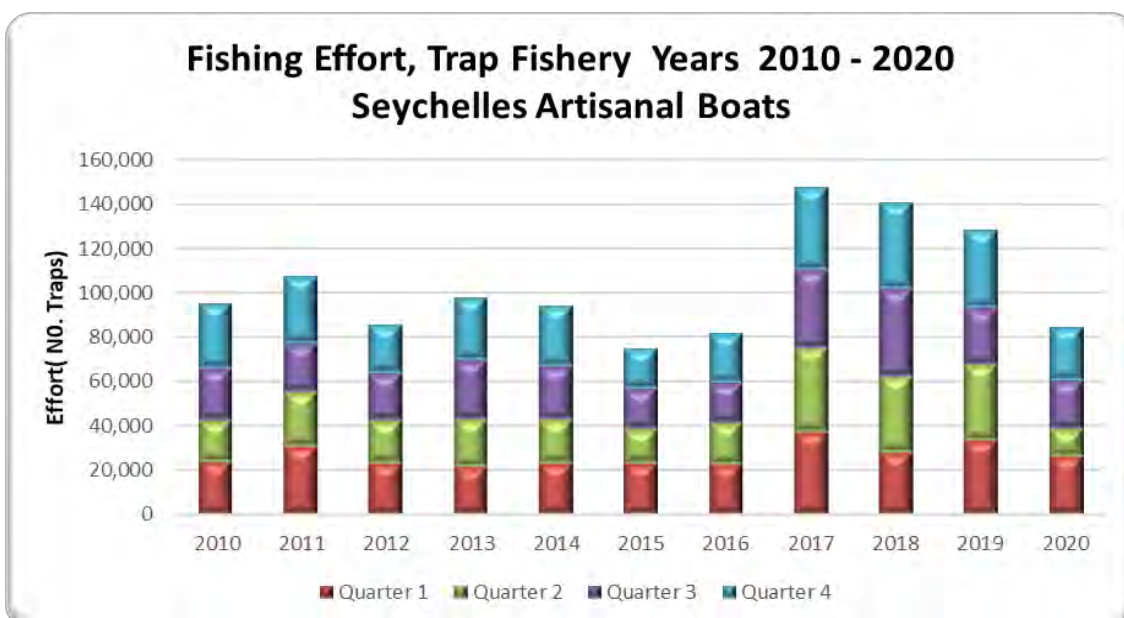


Figure 4N: Artisanal trap fishery, fishing effort, Years 2010 - 2020

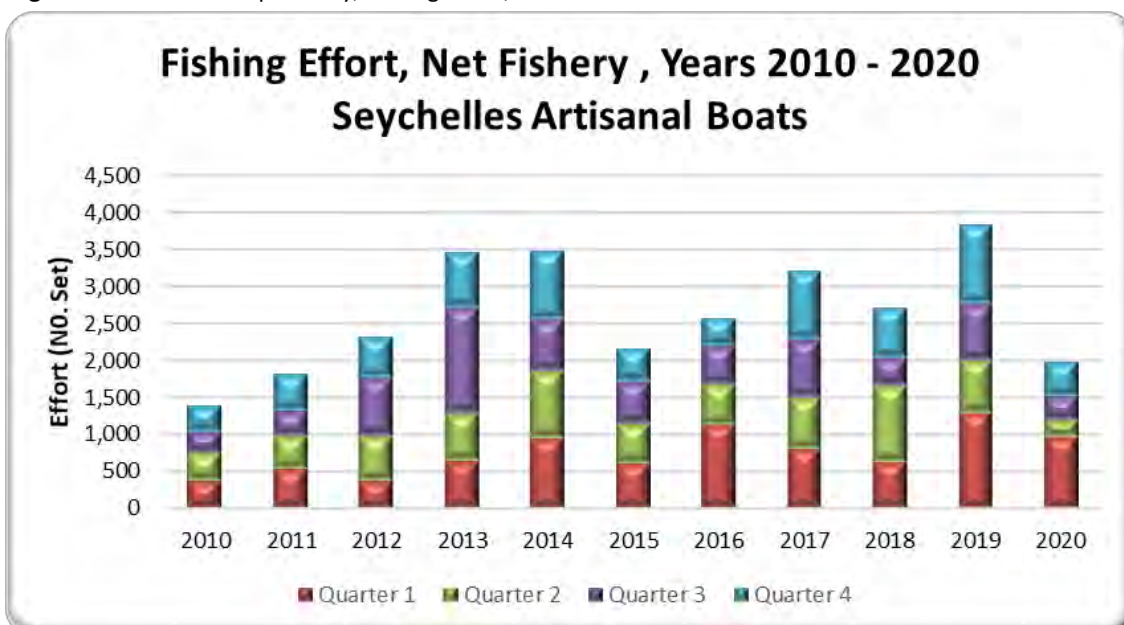


Figure 4O: Artisanal net fishery, fishing effort, Years 2010 - 2020

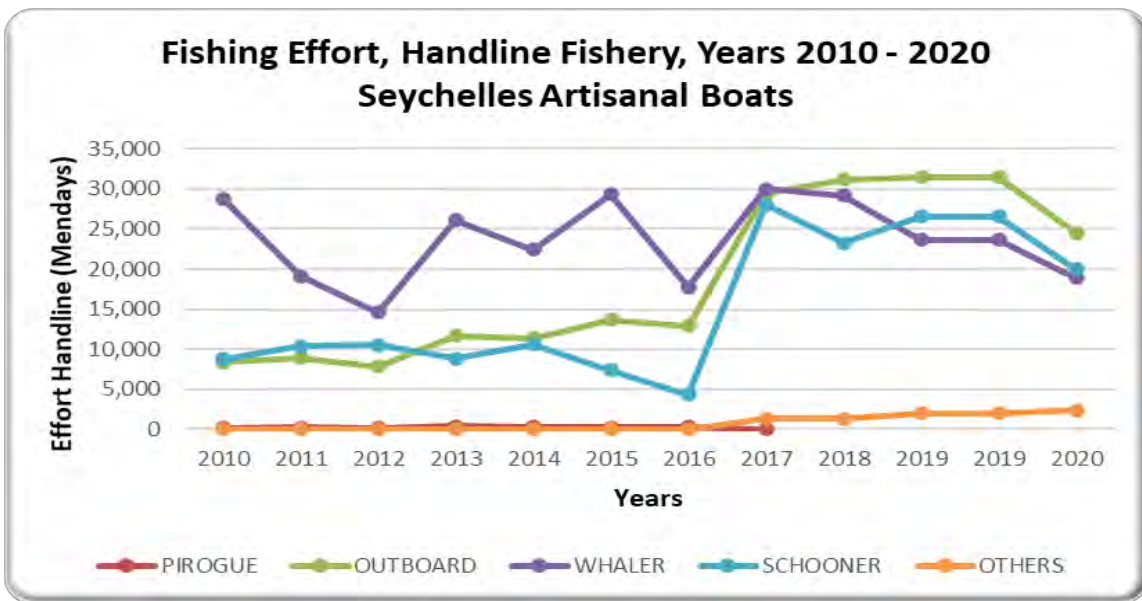


Figure 4P: Artisanal handline fishery, fishing effort by vessel Type, Years 2010 - 2020

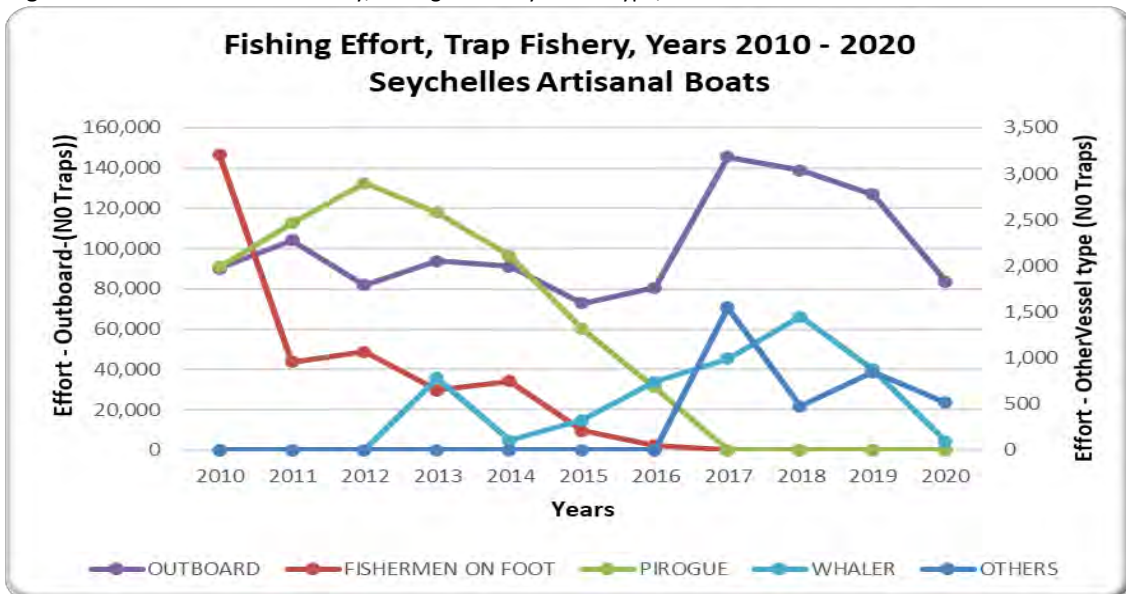


Figure 4Q: Artisanal trap fishery, fishing effort by vessel type, Years 2010 - 2020

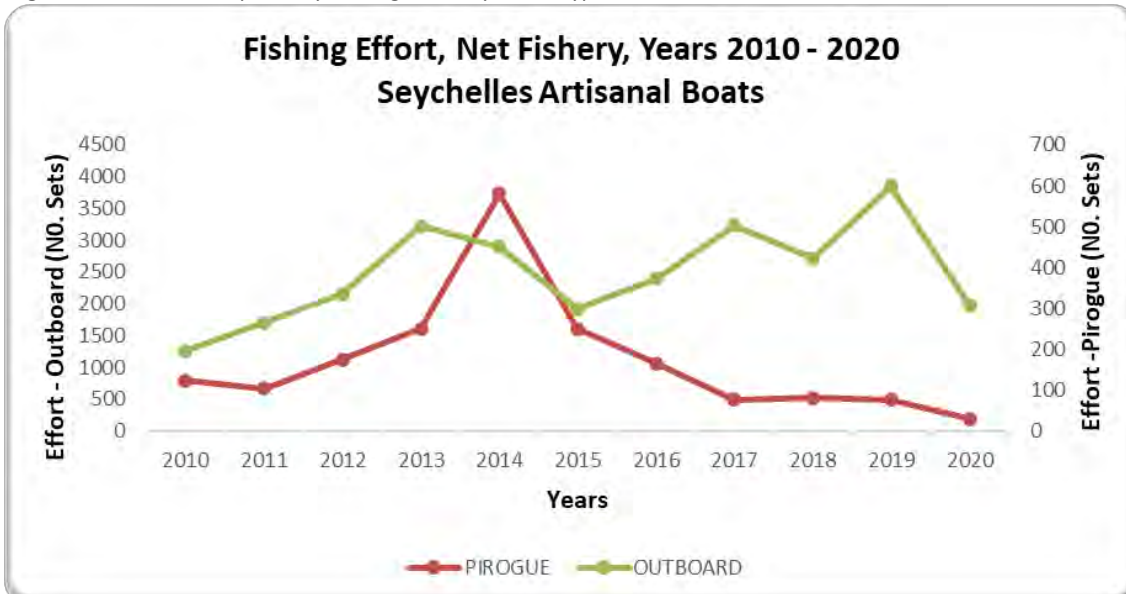


Figure 4R: Artisanal net fishery, fishing effort by vessel Type, Years 2010 - 2020

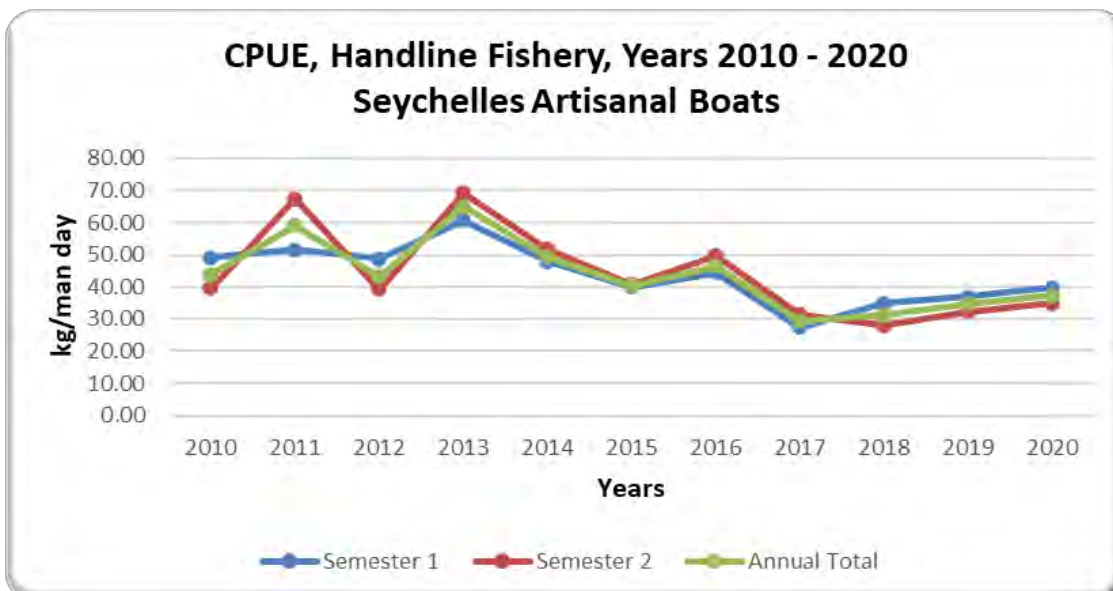


Figure 4S: Artisanal handline fishery CPUE, Years 2010 - 2020

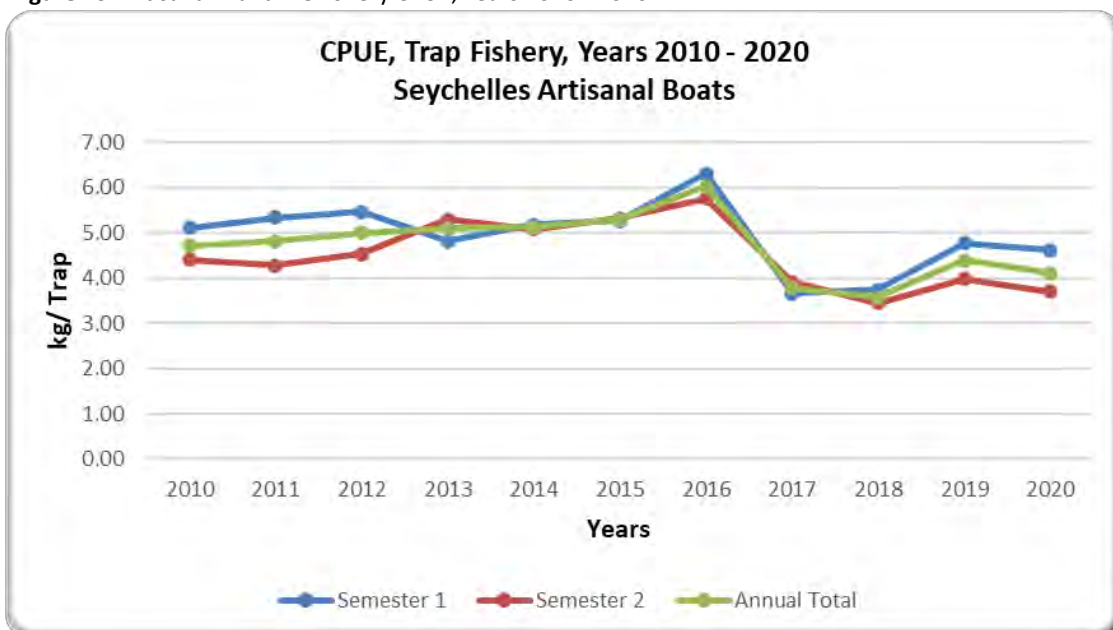


Figure 4T: Artisanal trap fishery CPUE, Years 2010 - 2020

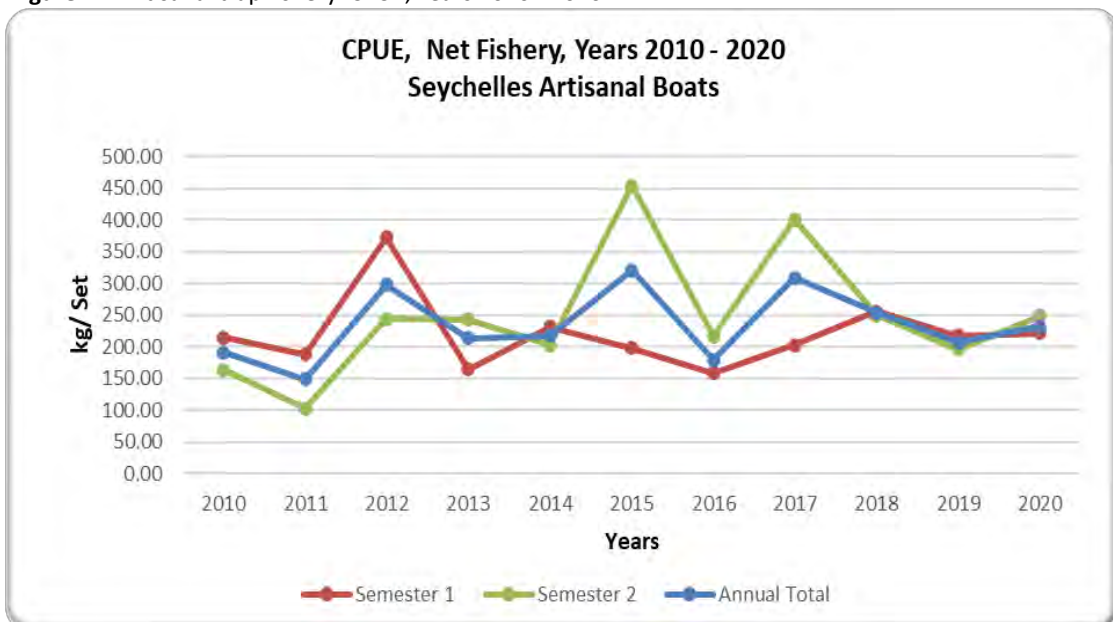


Figure 4U: Artisanal net fishery CPUE, Years 2010 - 2020

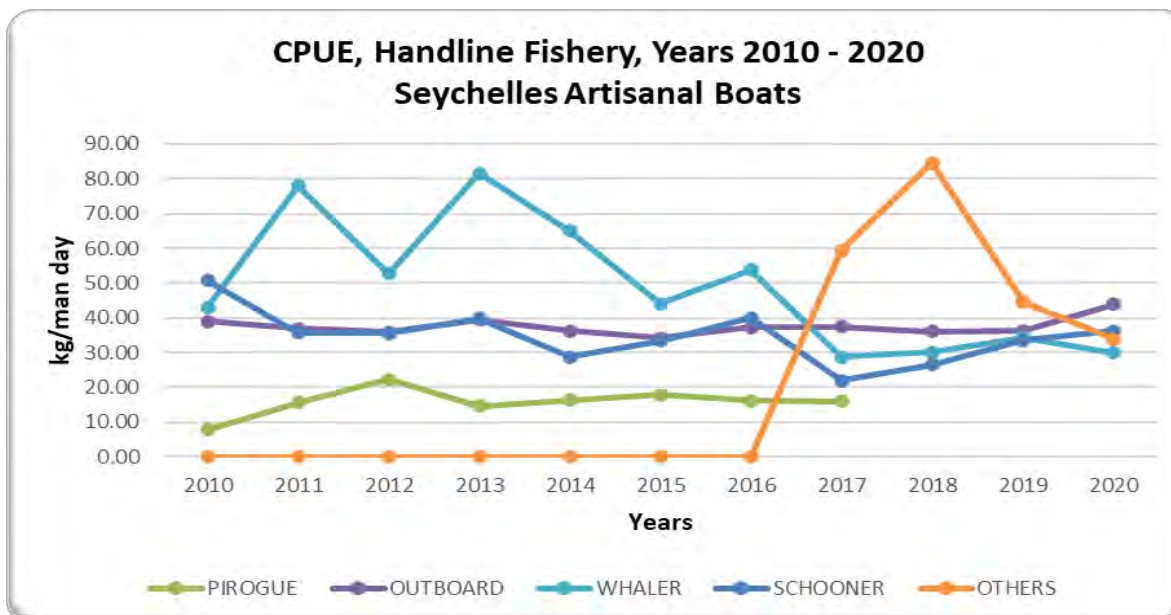


Figure 4V: Artisanal handline fishery CPUE by vessel Type, Years 2010 - 2020

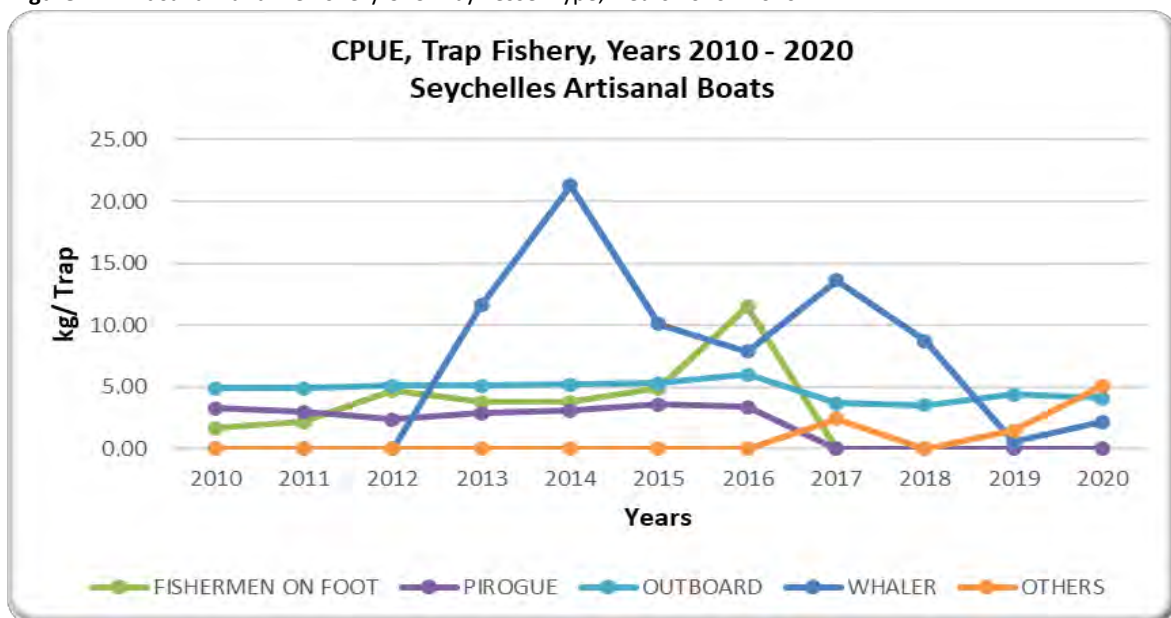


Figure 4W: Artisanal trap fishery CPUE by vessel type, Years 2010 - 2020

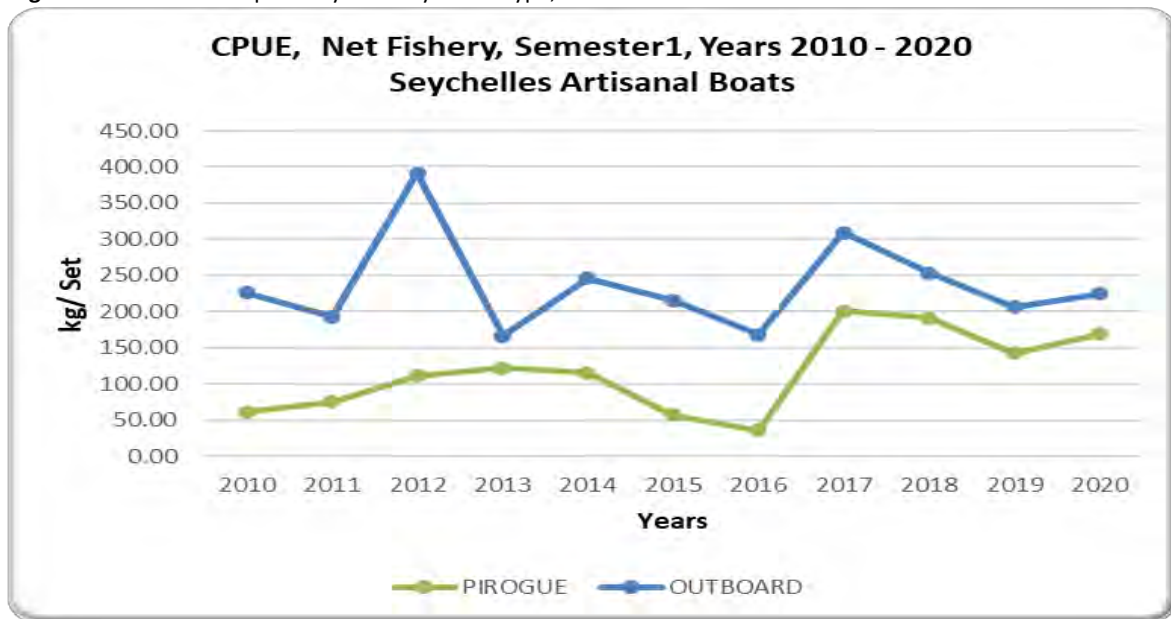


Figure 4X: Artisanal net fishery CPUE by vessel Type, Years 2010 - 2020

