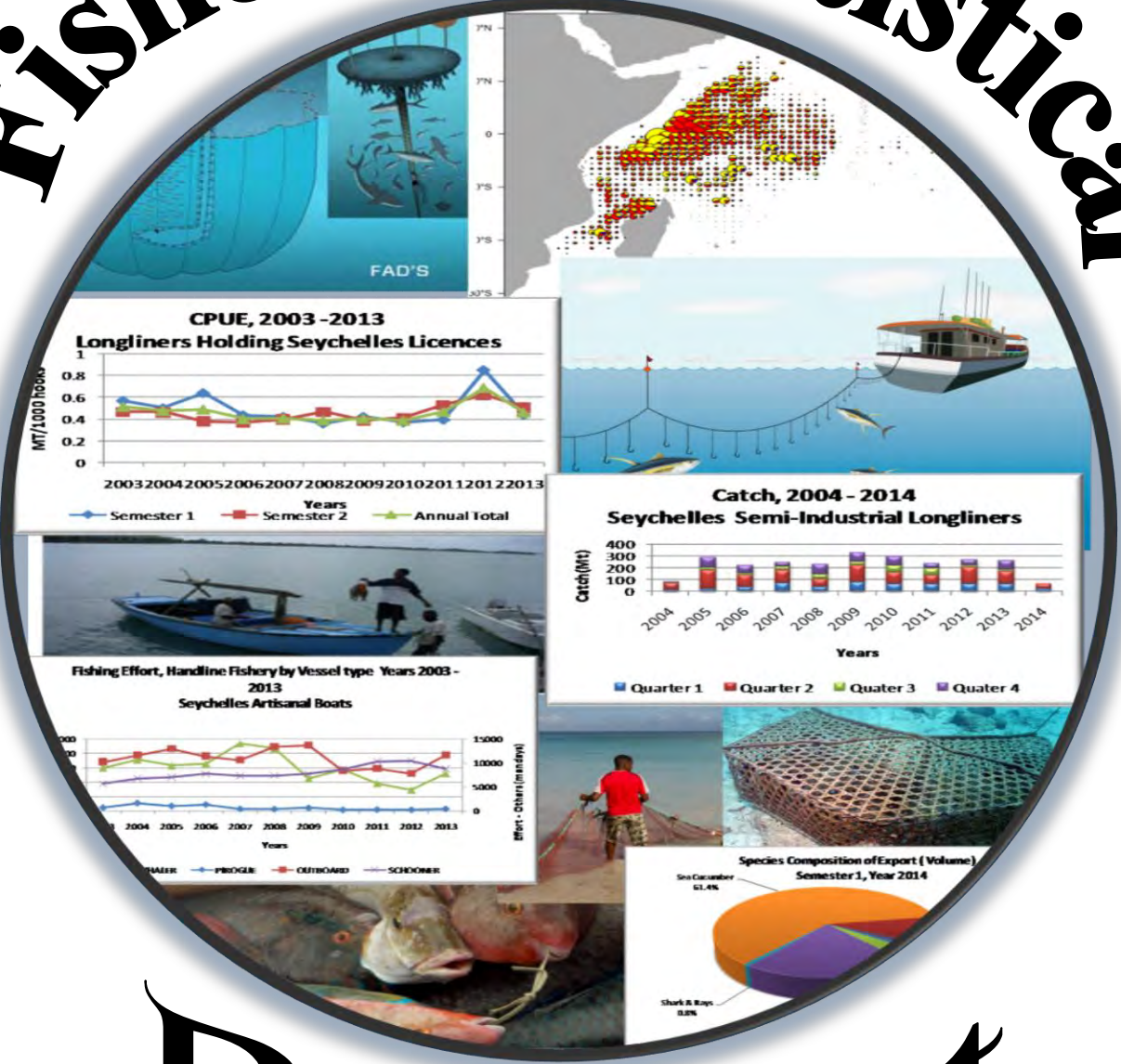




SEYCHELLES FISHING AUTHORITY

# Fisheries Statistics



# Report

Year 2021

# Fisheries Statistical Report

Year: 2021



## **SEYCHELLES FISHING AUTHORITY**

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

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

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# *CONTENTS*

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I.	Executive summary	
II.	Introduction	
III.	Fisheries Profile and data management	
<b>1.</b>	<b>Summary of the Purse Seine Fishery</b>	<b>2</b>
1.1.	VESSELS LICENSED AND ACTIVE	2
1.2.	FISHING EFFORT, CATCHES AND CATCH RATE IN WIO	2
1.3.	SPECIES COMPOSITION IN WIO	4
1.4.	CATCH BY SCHOOL TYPE	4
1.5.	ACTIVITY INSIDE THE SEYCHELLES EEZ	6
1.6.	PURSE SEINE STATISTICS OF SEYCHELLES FLAGGED VESSELS	6
1.7.	PURSE SEINE STATISTICS BY ACCESS REGIME	7
1.8.	LANDING AND TRANSHIPMENT	7
1.9.	FISHING GROUND	9
 <b>TABLES: PURSE SEINE FISHERY</b>		
TABLE 1.2.	Purse Seiners Holding Licenses by Country of Registration by Year	10
TABLE 1.2A.	Purse Seiners Holding Licenses by Country of Registration	11
TABLE 1.2B.	Purse Seiners Active by Country of Registration by Year	12
TABLE 1.2C.	Purse Seiners Active by Country of Registration by Month	13
TABLE 1.3	Time Series of Catch, Effort and Catch Rate for Purse Seiners in the WIO	14
TABLE 1.3A	Monthly Catch, Effort and Catch Rate for All Purse Seiners in the WIO	16
TABLE 1.3B	Monthly Catch, Effort and Catch Rate for SYC Purse Seiners in the WIO	17
TABLE 1.3C	Monthly Catch, Effort and Catch Rate for Spanish Purse Seiners in the WIO	18
TABLE 1.3D	Monthly Catch, Effort and Catch Rate for French Purse Seiners in the WIO	19
TABLE 1.3E	Monthly Catch, Effort and Catch Rate for Purse Seiners NEI in the WIO	20
TABLE 1.4	Time Series Catch, Effort and Catch Rate for Purse Seiners in the SYC EEZ	21
TABLE 1.4A	Monthly Catch, Effort and Catch Rate for Purse Seiners in the SYC EEZ	23
TABLE 1.4B	Monthly Catch, Effort and Catch Rate for SYC Purse Seiners in the SYC EEZ	24
TABLE 1.4C	Monthly Catch, Effort and Catch Rate for Spanish Purse Seiners in the SYC EEZ	25
TABLE 1.4D	Monthly Catch, Effort and Catch Rate for French Purse Seiners in the SYC EEZ	26
TABLE 1.4E	Monthly Catch, Effort and Catch Rate for Purse Seiners NEI in the SYC EEZ	27
TABLE 1.4F	Quarterly Catch, Effort and Catch Rate for SYC Purse Seiners by Areas	28
TABLE 1.4G	Quarterly Proportion of Catch and Purse Seiners by Areas and Flag	29
TABLE 1.5A	Time Series Catch by School Type and Species for Purse Seiners in WIO	30
TABLE 1.5B	Time Series Catch by School Type and Species for Purse Seiners in SYC EEZ	31
TABLE 1.5C	Time Series Catch by School Type and Agreement for Purse seiners in WIO	32
TABLE 1.5D	Time Series Catch by School Type and Agreement for Purse seiners in SYC EEZ	33
TABLE 1.6	Quarterly Catch, Effort and Catch Rate for Purse Seiners by Access Regime in SYC EEZ	34
TABLE 1.7.	Time Series of Landing and Transshipment of Purse Seiners by Port	35
TABLE 1.7A	Monthly Landing and Transshipment of Purse Seiners in Port Victoria	36
TABLE 1.7B	Monthly Landing and Transshipment of Purse Seiners in Port Madagascar	37
TABLE 1.7C	Monthly Landing and Transshipment of Purse Seiners in Port Louis	38
TABLE 1.7D	Monthly Landing and Transshipment of Purse Seiners in Port Others	39

TABLE 1.8 Monthly Landing and Transshipment by Purse Seiners by Flag in Port Victoria .....	40
TABLE 1.9 Quarterly Landing and Transshipment by Purse Seiners by Species Category in Port Victoria .....	41
TABLE 1.10 Quarterly Landing and Transshipment OF Purse Seiners by Access Regime in Port Victoria .....	43

**FIGURES: PURSE SEINE FISHERY**

Figure 1A: Purse Seine catches in the WIO by Year .....	45
Figure 1B: Purse Seine fishing effort in the WIO by Year .....	45
Figure 1C: Purse Seine CPUE in the WIO by Year .....	45
Figure 1D: Purse Seine catches in the Seychelles EEZ by Year .....	46
Figure 1E: Purse Seine fishing effort in the Seychelles EEZ by Year .....	46
Figure 1F: Purse Seine CPUE in the Seychelles EEZ by Year .....	46
Figure 1G: Purse Seine catches by School Type in WIO by Year .....	47
Figure 1H: Purse Seine Species composition on FAD's in WIO by Year.....	47
Figure 1I: Purse Seine Species composition on Free School in WIO by Year .....	47
Figure1J: Purse Seine catches by species in WIO by Year .....	48
Figure1K: Purse Seine landing and transshipment in port Victoria by Year .....	48
Figure 1L: Proportion of Purse Seine landing and transshipment in port Victoria by Year .....	48

**MAPS: PURSE SEINE FISHERY**

Map 1A. Purse seiners fishing ground for Year 2020 .....	49
Map 1B. Purse seiners fishing ground for Year 2021 .....	49
Map 1C. Purse seiners fishing ground for 1st Semester 2020 .....	50
Map 1D. Purse seiners fishing ground for 1st Semester 2021 .....	50
Map 1E Purse seiners fishing ground for 2nd Semester 2020 .....	51
Map 1F Purse seiners fishing ground for 2nd Semester 2021 .....	51

<b>2. Summary of the Industrial Longline Fishery.....</b>	<b>53</b>
<b>2.1. LOGBOOK RETURNED.....</b>	<b>53</b>
<b>2.2. VESSELS LICENSED AND ACTIVE .....</b>	<b>53</b>
<b>2.3. FISHING EFFORT, CATCHES AND CATCH RATE IN WIO .....</b>	<b>53</b>
<b>2.4. SPECIES COMPOSITION .....</b>	<b>55</b>
<b>2.5. INDUSTRIAL LONGLINERS ACTIVITY INSIDE SEYCHELLES EEZ .....</b>	<b>55</b>
<b>2.6. STATISTICS OF SEYCHELLES FLAGGED VESSELS .....</b>	<b>56</b>
<b>2.7. INDUSTRIAL LONGLINERS ACTIVITY INSIDE SEYCHELLES EEZ BY ACCESS REGIME .....</b>	<b>56</b>
<b>2.8. FISHING GROUND .....</b>	<b>57</b>

**TABLES: INDUSTRIAL LONGLINE FISHERY**

TABLE 2.1. Industrial Longliners Holding Licenses by Country of Registration by Year .....	58
TABLE 2.1A Industrial Longliners Holding Licenses by Country of Registration by Month .....	59
TABLE 2.1B Industrial Longliners Active by Country of Registration by Year.....	60
TABLE 2.1C Industrial Longliners Active by Country of Registration by Month .....	61
TABLE 2.2. Logbook Retuned (%) to SFA by Industrial Longliners Holding Licenses .....	62
TABLE 2.2A Time Series Catch, Effort and Catch Rate for Industrial Longliners in the WIO .....	63
TABLE 2.2B Monthly Catch, Effort and Catch Rate for Industrial Longliners in the WIO.....	65
TABLE 2.2C Monthly Catch, Effort and Catch Rate for Industrial Longliners in the WIO .....	66
TABLE 2.2D Monthly Catch, Effort and Catch Rate for Industrial Longliners in the WIO.....	67

TABLE 2.2E Monthly Catch, Effort and Catch Rate for Industrial Longliners in the WIO .....	68
TABLE 2.2F Time Series of Discarded Catches(Numbers) for Industrial Longliners in the WIO.....	69
TABLE 2.3 Time Series Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ.....	70
TABLE 2.3A Monthly Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ .....	72
TABLE 2.3B Monthly Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ .....	73
TABLE 2.3C Monthly Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ.....	74
TABLE 2.3D Monthly Catch, Effort and Catch Rate for Industrial Longliners in the SYC EEZ .....	75
TABLE 2.4 Time Series of Catch, Effort and Catch Rate for Seychelles Flagged Longliners .....	76
TABLE 2.4A Quarterly Catch, Effort and Catch Rate of Seychelles Flagged Longliners by Areas .....	77
TABLE 2.4B Quarterly Proportion of Catch and Effort for Longliners by Areas and Flag .....	78
TABLE 2.4C Time Series of Catch, Effort and Catch Rate for Seychelles Flagged Longliners in WIO by Semester.....	79
TABLE 2.5A Quarterly Catch, Effort and Catch Rate of Longliners by Access Regime in the SYC EEZ.	80

**FIGURES: INDUSTRIAL LONGLINE FISHERY**

Figure 2A: Industrial Longliners Total catch in the WIO by Year .....	82
Figure 2B: Industrial longliners fishing effort in the WIO by Year.....	82
Figure 2C: Industrial Longliners CPUE in the WIO by Year .....	82
Figure 2D: Industrial longliners Total catch in the Seychelles EEZ by Year .....	83
Figure 2E: Industrial Longliners fishing effort in the Seychelles EEZ by Year .....	83
Figure 2F: Industrial Longliners CPUE in the Seychelles EEZ by Year .....	83
Figure 2G: Seychelles Flagged Longliners Catch, years .....	84
Figure 2H: Seychelles Flagged Longliners Effort, years .....	84
Figure 2I: Seychelles Flagged Longliners CPUE years .....	84

**MAPS: INDUSTRIAL LONGLINE FISHERY**

Map 4A. Industrial longliners fishing ground for Year 2020 .....	85
Map 4B. Industrial longliners fishing ground for Year 2021 .....	85
Map 5A. Industrial longliners fishing ground for 1st Semester 2020 .....	86
Map 5B. Industrial longliners fishing ground for 1st Semester 2021.....	86
Map 6A. Industrial longliners fishing ground for 2nd Semester 2020 .....	87
Map 6B. Industrial longliners fishing ground for 2nd Semester 2021 .....	87

**3. Summary of the Semi-Industrial Longline Fishery ..... 89**

<b>3.1. VESSELS ACTIVE AND TRIP INFORMATION.....</b>	<b>89</b>
<b>3.2. FISHING EFFORT, CATCHES AND CATCH RATE.....</b>	<b>89</b>
<b>3.3. SPECIES COMPOSITION .....</b>	<b>90</b>

**TABLES: SEMI-INDUSTRIAL LONGLINE FISHERY**

TABLE 3.0 Time Series of Catch, Effort and Catch Rate of Semi-Industrial Longliners .....	91
TABLE 3.1 Monthly Catch, Effort and Catch Rate of Semi-Industrial Longliners .....	93

**FIGURES: SEMI-INDUSTRIAL LONGLINE FISHERY**

Figure 3A: Semi-Industrial Longliners Total catch by Year .....	94
Figure 3B: Semi-Industrial longliners fishing effort by Year .....	94
Figure 3C: Semi-Industrial Longliners CPUE by Year .....	94
Figure 3D: Semi-Industrial Longliners catch by species, by Year .....	95
Figure 3E: Semi-Industrial species composition, year 2020.....	95
Figure 3F: Semi-Industrial species composition, year 2019.....	95

<b>4. Summary of the Artisanal Fishery</b> .....	<b>97</b>
<b>4.1. VESSEL ACTIVE</b> .....	<b>97</b>
<b>4.2. CATCH STATISTICS BY VESSEL TYPE</b> .....	<b>97</b>
<b>4.3. CATCH STATISTICS BY GEAR TYPE</b> .....	<b>98</b>
<b>4.4. CATCH STATISTICS BY SPECIES</b> .....	<b>98</b>
<b>4.5. FISHING EFFORT BY VESSEL TYPE AND GEAR TYPE</b> .....	<b>98</b>
<b>4.6. CATCH RATE BY VESSEL TYPE AND GEAR TYPE</b> .....	<b>99</b>

**TABLES: ARTISANAL FISHERY**

TABLE 4.1A Total Number of Boat Active in the Fishery per Year .....	100
TABLE 4.1B Mean Number of boats operating by Month .....	101
TABLE 4.2 Time series of Catches for Artisanal Fishery by Vessel Type .....	102
TABLE 4.2A Monthly Catches for Artisanal Fishery by Vessel Type .....	104
TABLE 4.3 Catches for Artisanal Fishery by Gear Type by Year.....	105
TABLE 4.3A Monthly Catches for Artisanal Fishery by Gear Type .....	107
TABLE 4.4 Time Series of Catches for Artisanal Fishery by Species .....	108
TABLE 4.4A Monthly Catches for Artisanal Fishery by Species .....	110
TABLE 4.5 Time Series of Effort for Artisanal Fishery by Vessel and Gear Type .....	111
TABLE 4.5A Monthly Effort for Artisanal Fishery by Vessel and Gear Type .....	113
TABLE 4.6 Time Series CPUE for Artisanal Fishery by Vessel and Gear Type.....	114
TABLE 4.6A Monthly CPUE for Artisanal Fishery by Vessel and Gear Type.....	116

**FIGURES: ARTISANAL FISHERY**

Figure 4A: Artisanal fishery Total Catch, by Year .....	117
Figure 4B: Artisanal fishery Catch by Vessel Type, .....	117
Figure 4C: Artisanal fishery Catch by Gear Type, by Year .....	117
Figure 4D: Artisanal fishery Catch of carangues, by Year .....	118
Figure 4E: Artisanal fishery Catch of maquereau doux, by Year .....	118
Figure 4F: Artisanal fishery Catch of bourgeois, by Year .....	118
Figure 4G: Artisanal fishery Catch of job, by Year .....	118
Figure 4H: Artisanal fishery Catch of cordonier, by Year .....	118
Figure 4I: Artisanal fishery Catch of capitaine, by Year .....	118
Figure 4J: Artisanal fishery Catch by Species, by Year .....	119
Figure 4K: Artisanal fishery Species composition of catches, Year 2019 .....	119
Figure 4L: Artisanal fishery Species composition of catches, Year 2020.....	119
Figure 4M: Artisanal handline fishery, fishing effort, by Year .....	120
Figure 4N: Artisanal trap fishery, fishing effort, by Year .....	120
Figure 4O: Artisanal net fishery, fishing effort, by Year .....	120
Figure 4P: Artisanal handline fishery, fishing effort by vessel Type, by Year .....	121
Figure 4Q: Artisanal net fishery, fishing effort by vessel type, by Year .....	121
Figure 4R: Artisanal net fishery, fishing effort by vessel Type by Year .....	121
Figure 4S: Artisanal handline fishery CPUE, by Year .....	122
Figure 4T: Artisanal trap fishery CPUE, by Year .....	122
Figure 4U: Artisanal net fishery CPUE, by Year .....	122
Figure 4V: Artisanal handline fishery CPUE by vessel Type, by Year .....	123
Figure 4W: Artisanal trap fishery CPUE by vessel type, by Year .....	123
Figure 4X: Artisanal net fishery CPUE by vessel Type, by Year .....	123

<b>5. Summary of the Sea Cucumber Fishery .....</b>	<b>124</b>
<b>5.1. CATCH.....</b>	<b>124</b>
<b>5.2. FISHING EFFORT .....</b>	<b>124</b>

**TABLES: SEA CUCUMBER FISHERY**

TABLE 5.1 Sea Cucumber landings by species and fishing season .....	125
TABLE 5.2 Sea Cucumber fishing effort in number of trips per fishing season (2013-2021) .....	125

<b>6. Summary of the Lobster Fishery.....</b>	<b>126</b>
<b>6.1. CATCH .....</b>	<b>126</b>
<b>6.2. FISHING EFFORT .....</b>	<b>126</b>
<b>6.3. CATCH PER UNIT EFFORT .....</b>	<b>126</b>

**TABLES: LOBSTER FISHERY**

TABLE 6.1 Lobster Catch (MT) by species and seasons .....	127
TABLE 6.2 Lobster Catch (MT) by gear and seasons .....	127
TABLE 6.3 Lobster fishing effort and CPUE by fishing seasons .....	128

**FIGURES: ARTISANAL FISHERY**

Figure 6A: Lobster catch (MT) by species and seasons .....	129
Figure 6B: Lobster catch(Mt) by gears and seasons .....	130



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## *Executive Summary*

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

*For the **purse seine fishery**, 46 purse seiners holding licences to fish inside the Seychelles EEZ reported a total catch of 412,922 MT in the in the Western Indian Ocean (WIO), for the year 2021. This represents a 17% increase over the estimated catch of 353,675 MT reported in the year 2020. The Spanish fleet accounted for 38% of the total catch in the WIO for year 2021, whilst the Seychelles and French fleet accounted for 30% and 19% respectively.*

*A total catch of 43,001 MT was reported inside the Seychelles EEZ during the year 2021 representing a 55% decrease from the 95,668 MT reported for the year 2020. This corresponds to a decrease of 49% in fishing effort in 2021 when compared to the previous year. It is worth noting that the catches and effort reported in 2021, was the lowest recorded inside Seychelles EEZ since 2013 and the decrease may be due to the change in fishing ground, with higher availability of tuna outside Seychelles EEZ.*

*In terms of species composition, Skipjack tuna dominated the total purse seine catches, accounting for 61% of the total catch followed by yellowfin and bigeye tuna representing 29%, and 9% of the total catch respectively. Skipjack, yellowfin, and bigeye tuna catches increased by 13%, 8% and 122% respectively in 2021 when compared to the year 2020. It is worth noting that in 2021, SFA encountered technical issues with its purse seine data processing software which did not allow for the species composition corrections. Hence the species composition provided here may change following species composition correction.*

*The Seychelles flagged purse seiners reported a total catch of 122,855 MT in the WIO in 2021, achieved from a fishing effort of 3,027 fishing days thus giving a mean catch rate of 40.60 MT/fishing day. This represents an increase of 9% in catches and a slight decrease of 6% in fishing effort. In 2020 the Seychelles purse seine fleet reported a total catch of 112,231 MT obtained from a fishing effort of 3,221 fishing days with a mean catch rate of 34.84 MT/fishing day. Species composition of the Seychelles purse seine fleet in the year 2021 comprised of 24% yellowfin tuna (29,407MT), 66% of skipjack tuna (81,390MT) and 9% of bigeye tuna (11,230MT). This represents a decrease of 4% in yellowfin tuna catches and an increased of 8% and 91% in skipjack and bigeye tuna respectively.*

*Like previous years, Port Victoria remained the principal port for tuna transshipment and landing by purse seiners in the WIO during the year 2021. A total of 387,992 MT of tuna was unloaded through port Victoria compared to 335,074 MT in 2020. This represents 93% of the total landing and transshipment for that year and a 16% increase from the previous year.*

For the **industrial longline fishery**, 188 vessels licensed to fish in the Seychelles EEZ during year 2021 reported an estimated catch of 25,340 MT, obtained from a fishing effort of approximately 66.6 million hooks. This resulted in a mean catch rate of 0.38 MT/1000 hooks, a much lower catch rate than 0.55 MT/1000 hooks estimated for the previous year. The total catch reported by 162 vessels in the year 2020 was 31,496 MT, obtained from a fishing effort of approximately 57.4 million hooks.

Only 58% of the total reported catch or 14,575 MT of fish were reported to have been caught inside of the Seychelles EEZ during the year 2021 despite an increase of 49% in fishing effort inside the Seychelles EEZ.

In terms of species composition, bigeye tuna catches accounted for 41% of the total catch whilst Yellowfin tuna, swordfish and the 'others' category represented 27%, 7% and 16% of the total catch comparable to the year 2020.

During the year 2021, the 64 Seychelles flagged industrial longliners reported an estimated catch of 14,526 MT representing a decrease of 35% in catches despite just a slight decrease of 2% in fishing effort. During the previous year, the 62 Seychelles flagged vessels reported a total catch of 22,469 MT. Species composition of the Seychelles industrial longline fleet in the year 2021 comprised of 21% yellowfin tuna (3064.2MT), 40% of bigeye tuna (5825.8MT) and 24% of "other species" (3549.7MT). This represents a decrease of 61% and 21% in yellowfin and bigeye tuna catches respectively and an increase of 36% in catches of "Other species".

In the **semi-industrial fishery**, a total of 375 fishing trips targeting tuna and swordfish were conducted by 41 semi-industrial longliners in the year 2021. This represents an increase of 23% in number of trips targeting swordfish and tuna over the 306 fishing trips conducted in 2020 by 35 vessels. The total catches by the Semi industrial vessels increased by 18% to reached 1,759 MT compared to 1,485 Mt the previous year corresponding to an increase of 36% in fishing effort. In terms of species composition, yellowfin tuna accounted for 89% of the total catch followed by swordfish and bigeye tuna accounting for 6% and 3% of the total catch, respectively. During the previous year, the semi-industrial catches was dominated by yellowfin (86%) followed by swordfish (9%) and bigeye tuna (4%).

The mean number of boats operating per month in the **artisanal fishery**, during the first semester of year 2021 has increased to 327 boats active per month when compared to a mean of 303 boats active per month during the first semester of the year 2020 (the covid19 pandemic period). The highest increased was observed in the mean number of schooner active, 56 in 2021 compared to 43 in the year 2020. The artisanal fleet was still dominated by outboard vessels accounting for 62% of the fleet with whalers and schooners accounting for 19% and 17% respectively.

During the first semester of the year 2021, the total artisanal catches increased by 28% to reach 2346 MT compared to a total catch of 1833 MT estimated for the same period the previous year. Typical of previous years, the handline fishery dominated artisanal fisheries

*catches, accounting for 70% of total landings during the first six months of 2021. The most important species groups landed for the first semester of the year 2021 were carangues (24%), bourgeois (14%) and job (11%).*

*During the first six months of the year 2021, the total fishing effort for handline, trap and net fishery increase by 43%, 58% and 41% respectively.*

*The Catch rate for the handline and net fishery decreased during the first semester of the year 2021 when compared to same period the previous year. The catch rate for trap fishery has remained unchanged.*

*For the **sea cucumber fishery**, the landings in numbers for the 2020/2021 fishing season were 243,169 Flower teatfish, 53,241 White teatfish, and 38,494 Prickly redfish. This represents a decrease of 10% and 22% for Flower teatfish and White teatfish respectively and an increase of 4% for Prickly redfish compare to the 2019/2020 season. Fishing efforts have increased over the years, with 155 trips completed in 2020-2021, two trips less than the 2019/2020 season.*

*The **lobster fishery** catch fluctuates from season to seasons. The highest catch of 6.1 MT was recorded in the 2020/2021 season, whereas the lowest catch of 0.61 MT was recorded in the 2013/2014 season. A notable peak in catch was recorded in 2019/2020 following a two-year closure. In terms of catch composition for the targeted species, historically *P. penicillatus* dominated the catch for all seasons with an average of 2.9 MT per season, followed by *P. longipes* with an average of 0.9 MT per seasons. A total of 242 fishing trips were recorded during the 2020/2021 season compared to only 196 trips in 2019/2020 representing an increase of 23%.*

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## *Introduction*

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

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

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

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

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

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## *Purse Seine Fishery:*

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Tuna purse seiners started exploratory fishing operation in Seychelles EEZ since the early 1980s. Commercial purse seining activities in the Seychelles EEZ began in 1984 when French and Spanish fleets moved from the tropical Atlantic to the Western Indian Ocean. The main fishing nation involve in purse seining in the WIO were those operating under the European Economic Community Agreement (French and Spanish). Seychelles registered purse seiners started fishing in 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 (purse seine) gives rise to a series of difficulties at the time of estimating basic catch by species and catch by size statistics. Complications are mainly due on one hand to the unreliability of the weight and species composition declared on the logbooks (eye estimate of skippers) and to the tendencies of classifying landings into commercial categories, solely according to the sizes of individual rather than according to both size and species. For example, fish < 5kg often contains small yellowfin and bigeye as well as skipjacks but are often declared as skipjack only. To improve the accuracy of statistics for sound stock assessment, it is essential to implement a tuna-sampling programme. Biological sampling is carried out to simultaneously estimate the species composition (by counting and identifying each species) and the length frequency distribution (by measuring the individuals) of the catch. Using the logbooks and well plans, the fisheries technician decides, depending on established protocol the wells that are suitable for sampling. The criteria are:

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

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

### *Data Processing*

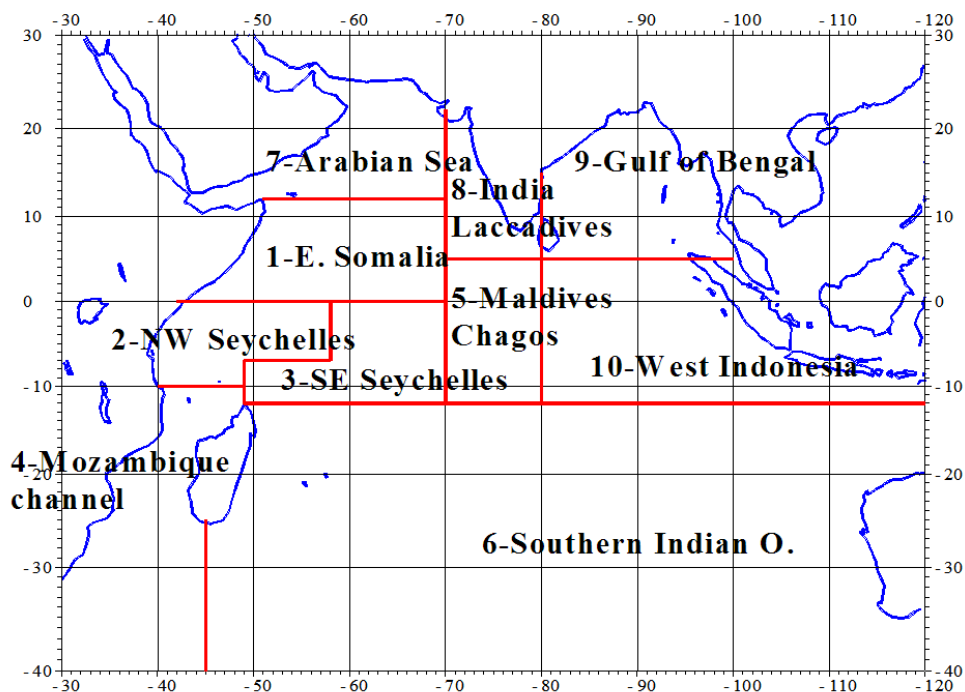
Following data capture, the data is verified to correct any data entry errors. VMS data are also used to validate activity positions declared on the logbook. Data capture, verification and validation are carried out using specialised software specially developed for the purse seine fishery.

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

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

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

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



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## *Industrial Longliners Fishery:*

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

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

### *Data Collection*

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

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

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

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

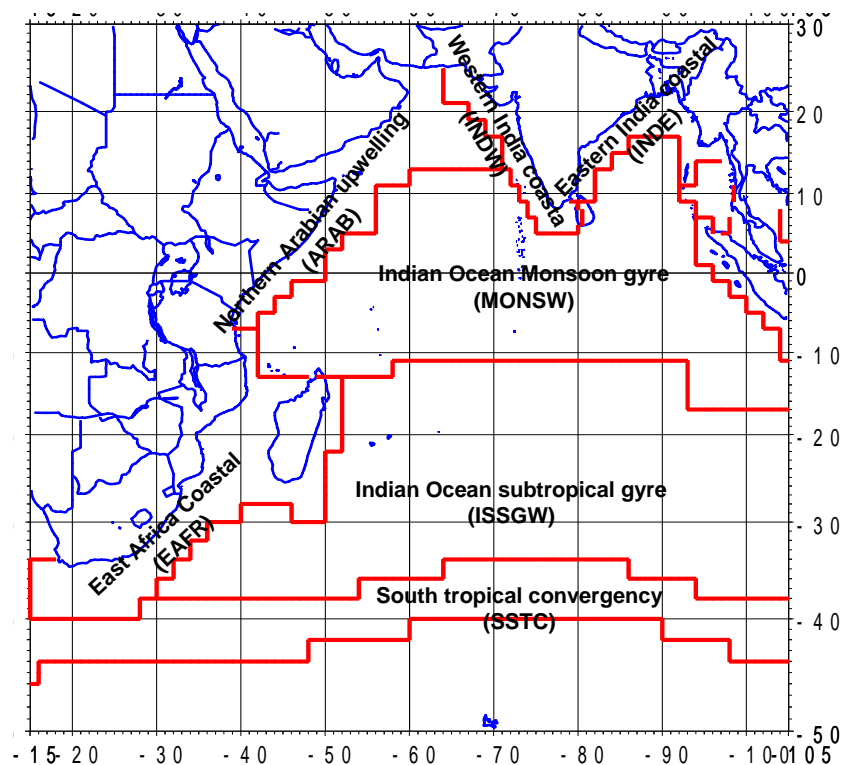
### *Data Processing*

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



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

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



Longhurst areas

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## *Semi Industrial Longline Fisheries*

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

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

### *Data Collection*

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

### *Data Processing*

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

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## *Artisanal Fishery:*

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

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

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

### *Data Collection*

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

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

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

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

Fisheries technicians complete 5 types of forms;

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

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

### *Data Processing*

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

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

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## *Sea Cucumber Fishery*

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

The current management regulations for the fishery include:

- A limit of 25 non-transferable fishing licenses and 4 processing licenses
- 8-9 months open fishing season
- Restrictions to only 3 species allowed to be exploited – For the 2020/2021 fishing season the species were, Flower teatfish, White teatfish and Pricky redfish (*Thelenota ananas*)
- A Total Allowable Catch (TAC) – the quota for the 2020/2021 fishing season were 281,250 pieces for flower teatfish, 56,250 pieces for white teatfish and 37,500 pieces for prickly redfish

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

### *Data Collection*

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

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

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

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

### *Data Processing*

The data collected on the paper logbook is captured in an access database and following capture the data is verified to correct any data entry errors by the Research section. The landings data is captured in an excel spreadsheet by the MCS officers. The paper logbook data for the past four fishing seasons is currently unavailable due to corruption of the access database, therefore all catch data presented in this report is based on the landings data.

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## *Lobster Fishery*

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

### *Data Collection*

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

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

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

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

### *Data Processing*

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



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## *Definitions of terms used*

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<b>TERMS</b>	<b>DEFINITION</b>
EEZ	Exclusive Economic Zone
WIO	Western Indian Ocean
NEI	Not elsewhere included
VESSELS LICENSED	Vessels licensed to fish in the Seychelles EEZ.
VESSELS COVERED	Vessels for which a logbook has been received containing at least one fishing day during the month; or a vessel that is not fishing yet the SFA knows of its activities.
FISHING DAYS	Days spent at sea minus days on passage, days adrift due to mechanical breakdown or other work stoppage. This may include days spent in searching even if no fish was 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 2021, 46 purse seiners were licensed to fish in the Seychelles EEZ (table 1.2A) out of which 13 were Seychelles flagged vessels, 28 vessels were licensed under the EU-SYC Sustainable Fisheries Partnership Agreement, 3 vessels were operating under a fishing agreement with Mauritius and 2 were operating under a private fishing agreement under South Korean Flag.
- During the year 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 7 vessels were licensed under EU-SYC Sustainable Fisheries Partnership Agreement, 4 vessels were licensed under Seychelles flag. And the remaining 2 vessels were operating under private fishing agreements.
- 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 40 vessels were active per month during the year 2021 compared to an average of 42 vessels active per month during the previous year (table 1.2C).

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

- Trend analysis of catches by purse seiners licensed to fish in Seychelles waters over the last 10 years shows that following a 10% decrease in catches to 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 catch of 439,831 MT in 2018 (figure 1A). This was followed by a decreasing trend in catches to reach 353,675 MT in 2020.

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 10,548 fishing days in 2020.

The CPUE has been fluctuating between 22.71 MT/ fishing day and 27.29 MT/ fishing day during the period 2011 to 2016. An upward trend was then observed in CPUE from the year 2016 to reach 40.39 MT/fishing day in 2018 (table 1.3 and figure 1C).

- Based on 100% logbook received at the SFA, the total catch in the Western Indian Ocean reported by purse seiners holding licences to fish inside the Seychelles EEZ for the year 2021 is estimated at 412,922 MT, representing 17% increase over the estimated catch of 353,675 MT reported in the year 2020 (table 1.3B). The fishing

effort recorded an 8% decrease from 10,548 fishing days estimated for the year 2020 to 9,671 fishing days estimated for the year 2021. The mean catch rate (CPUE) increased from 33.53 MT/ fishing day in 2020 to 42.70 MT/ fishing day for the year 2021.

- The purse seine tuna catches in the Western Indian Ocean during the first semester of 2021 is estimated at 204,960 MT representing an 25% increase in catches over the same period in 2020. This was achieved from a fishing effort of 5,330 fishing days thus giving a mean catch rate of 38.46 MT/ fishing day (table 1.3). The total catch during the first semester of 2020 is estimated at 164,553 MT achieved from a fishing effort of 5,662 fishing days with a mean catch rate of 29.06 MT/ fishing day.
- During the second semester of the year 2021, a total catch of 207,961 MT was reported, achieved from a fishing effort of 4,341 fishing days representing a 10% increase over the 189,121 MT of catches reported during the same period the previous year. The fishing effort for the second semester of the year 2020 was estimated at 4,886 fishing days. The catch rate for the second semester increased from 38.71 MT/ fishing day in the year 2020 to 47.91 MT/ fishing day in the year 2021.

### ***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 2021 was dominated by the Spanish fleet accounting for 38% of the total catch whilst the Seychelles and French fleet accounted for 30% and 19% respectively. During the previous year the Spanish, Seychelles and French fleet accounted for 41%, 32% and 16% of the total purse seine catches in WIO respectively.
- In the year 2021, the Spanish fleet reported a total catch of 157,243 MT compared to 144,095 MT during the same period of the previous year, representing an increase of 9% in catches despite an 18% decrease in fishing effort amounting to 3,228 fishing days. The catch rate for the Spanish fleet for the year 2021 and 2020 stand at 48.71 MT/ fishing day and 36.50 MT/ fishing day respectively (table 1.3C).
- The total catch for the Seychelles fleet also recorded an increase, of 9%, in 2021 to reach a total of 122,885 MT in 2021 compared to 112,231 MT in 2020 despite a 6% decrease in fishing effort. The latter decreased from 3,221 fishing days in 2020 to 3,027 fishing days in 2021. The catch rate for the Seychelles fleet increased from 34.84 MT/ fishing days in 2020 to 40.60 MT/ fishing day in 2021 (table 1.3B).
- The estimated catch for the French fleet increased by 36% in 2021 compared to the previous year. A total catch of 78,726 MT was reported in 2021 compared to a total catch of 57,839 MT recorded the previous year (table 1.3D). The fishing effort for the French fleet increased by only 3% from 1,956 fishing days in 2020 to 2,005 fishing days in 2021. The catch rate also increased from 29.58 MT/ fishing day in 2020 to 39.27 MT/ fishing day in the year 2021.

- The remaining 54,067 MT of catches reported for the year 2021 was caught by Mauritian, Italian and South Korean vessels achieved from a fishing effort of 1,411 fishing days with a mean catch rate of 38.32 MT/ fishing day. This represents an increase of 37% in catches despite a slight 1% decrease in fishing effort. During the previous year, vessels under other flags reported an estimated catch of 39,510 MT from a fishing effort of 1,423 fishing days with a mean catch rate of 27.77 MT/ fishing day (table 1.3E).

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

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

- During the year 2021, Skipjack tuna dominated the total purse seine catches, accounting for 61% of the total catch followed by yellowfin tuna representing 29% of the total catch, whilst bigeye tuna made up only 9% of the total catch. In 2020, Skipjack tuna accounted for 63% of the total catch followed by yellowfin tuna representing 31% of the total catch, whilst bigeye tuna made up only 5% of the total catch.
- In 2021, Skipjack tuna catches increased by 13% from 223,603 MT in 2020 to an estimated total catch of 252,711 MT. The total yellowfin catches are estimated at 119,571 MT, 8% higher than the 110,752 MT reported for the previous year and bigeye tuna catches increased significantly by 122%, from 16,702 MT in 2020 to 37,078 MT in 2021.
- It must be noted that for the year 2021, the species composition reported by the vessels captain on logbooks were not corrected using port sampling species composition data which may explain the high increase in bigeye tuna catches 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 82% of the total catches per year (table 1.5A and figure 1G).
- In 2021, a total of 357,786 Mt of tuna were caught on FAD's associated school representing 87% of the total catch and 53,543 MT or 13% of the total catch was caught on free swimming school. During the previous year, 92% or 326,153 MT of catches were reported to have been caught on FAD's associated schools whilst 7% or 26,383 MT of the catches were reported to have been caught on free swimming school. This reflects a 10% increase in catches on FAD's associated school and a remarkable 103% increase in catches on free swimming school.

- Species wise, 68% of the catch on FAD's associated school were skipjack tuna, 22% were yellowfin tuna and 9% were bigeye tuna in the year 2021, whilst FAD's associated school catches during the previous year consisted of 67% skipjack, 28% yellowfin tuna and 5% bigeye tuna. Catches on free swimming schools were dominated by yellowfin tuna representing 72% of the total catch whilst skipjack and bigeye tuna accounted for 17% and 11% of the catches on free swimming schools respectively in 2021. During 2020, yellowfin tuna accounted for 74% of the total catch whilst skipjack and bigeye tuna accounted for 20% and 6% of the total catches on free swimming schools respectively.

### **1.5. Activity inside the Seychelles EEZ**

- Trend analysis of the purse seine fishery in the Seychelles EEZ shows that catches inside the Seychelles EEZ fluctuated over the last 10 years with a peak of 95,668 MT recorded in 2020 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 4,740 fishing days in 2016 (figure 1E). From 2016 onward, the fishing effort has been on a decreasing trend until 2019. A 21% increase in fishing effort was then recorded in 2020. 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 32.85 MT/ fishing day in 2019. This was followed by a slight decrease to reach 30.59 in 2020 (figure 1F)
- A total catch of 43,001 MT was reported inside the Seychelles EEZ during the whole year 2021 representing a 55% decrease from the 95,668 MT reported for the year 2020. This corresponds to a decrease of 49% in fishing effort from 3,127 fishing day in 2020 to 1,602 fishing days in 2021, the lowest fishing effort reported in the Seychelles EEZ over the past 10 years. The mean catch rate for 2021 inside the Seychelles EEZ stands at 26.84 MT/fishing day compared to 30.59 MT/fishing day in 2020 (table 1.4). It is worth noting that the catches correspond to the lowest catches recorded inside Seychelles EEZ since 2013 and the decrease may be due to the change in fishing ground, by the purse seiners, mostly outside Seychelles EEZ due to higher availability of tuna outside Seychelles EEZ.
- The purse seine tuna catch reported inside the Seychelles EEZ during the first semester of 2021 is estimated at 25,661 MT (table 1.4A) achieved from a fishing effort of a mere 971 fishing days, thus giving a mean catch rate of 26.42 MT/ fishing day. This represents a decrease of 51% in catches corresponding to a 49% decrease in fishing effort over the same period, the previous year (table 1.4A). During the first semester of 2020, the purse seine tuna catches reported inside the Seychelles EEZ was 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 (table 1.4A).
- During the second semester of the year 2021, a total of 17,340 MT of tuna were reported to have been caught by purse seiners inside the Seychelles EEZ obtain from a fishing effort of only 631 fishing days, thus giving a mean catch rate of 27.48 MT/

fishing day. This represents a decrease of 60 % in total catch from 43,700 MT of catches reported during the second semester of 2020 attributed to a 49% decrease in fishing effort.

- In 2021, the monthly trend in catches shows that highest catch inside the Seychelles EEZ was recorded in the month of March with total catch of 10,237 MT and highest catch rate was in the month of September with a mean catch rate of 34.66 MT/fishing day. During the previous year, the highest catch and catch rate were reported in the month of September with an estimated catch of 17,042 MT and a mean catch rate of 47.94 MT/fishing day.

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

- During the year 2021, the Spanish fleet accounted for 25% of the catches in the Seychelles EEZ, compared to 31% during the previous year. The French and Seychelles Fleet accounted for 34% and 27% respectively. During the previous year the French and Seychelles fleet accounted for 27% and 26% of the Seychelles EEZ catches respectively.
- In 2021, the Spanish fleet reported catches inside of the Seychelles EEZ decrease by 64% corresponding to a 50% decrease in fishing effort when compared to the previous year. The estimated catch reported by the Spanish fleet inside the Seychelles EEZ in 2021 is estimated at 10,622 MT with a mean catch rate of 25.57 MT/fishing day compared to a total estimated catch of 29,362 MT and a mean catch rate of 35.58 MT/fishing day in 2020 (table 1.4C).
- The French fleet reported a total catch of 14,566 MT inside the Seychelles EEZ achieved from a total effort of 451 fishing days during the year 2021, (table 1.4 D). This represents a decrease of 45% in catches and 43% decrease in fishing effort inside the Seychelles EEZ thus giving an increased mean catch rate of 32.28 MT/fishing day compared to 33.01 MT/fishing day estimated for the previous year.

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

- Trend analysis of the Seychelles flagged purse seine catches over the last 10 years shows that following a dropped in catches from 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. In 2020 catches has remained more or less the same as the previous year. Since 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 122,855 MT in the WIO in 2021, achieved from a fishing effort of 3,027 fishing days thus giving a mean catch rate of 40.60 MT/fishing day. This represents an increase of 9% in catches and a slight decrease of 6% in fishing effort. In 2020 the Seychelles purse seine fleet reported a

total catch of 112,231 MT obtained from a fishing effort of 3,221 fishing days with a mean catch rate of 34.84 MT/ fishing day (table 1.3B).

- The catches of the Seychelles purse seine fleet inside the Seychelles EEZ in 2021 is estimated at 11,407 MT compared to 25,230 MT during the previous year. This represents a decrease of 55% in catches corresponding to a decrease of 50% in fishing effort (table 1.4B). The mean catch rate for the Seychelles fleet inside the Seychelles EEZ is estimated at 23.95 MT/ fishing day and 26.28 MT/ fishing day in 2021 and 2020 respectively (table 1.4B).
- Species composition of the Seychelles purse seine fleet in the year 2021 comprised of 24% yellowfin tuna (29,407MT), 66% of skipjack tuna (81,390MT) and 9% of bigeye tuna (11,230MT). This represents a decrease of 4% in yellowfin tuna catches and an increase of 8% and 91% in skipjack and bigeye tuna, respectively.
- In terms of geographical areas, 77% of the Seychelles purse seine fleet catches reported to have been caught on the high seas and only 9% of its catches were reported to have been caught inside of the Seychelles EEZ in 2021 whilst the remaining 14% were reported to have been caught in foreign EEZ (table 1.4F). During the previous year, 56% and 22% of the Seychelles fleet catches were caught on the high seas and inside the Seychelles EEZ respectively.

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

- In 2021, purse seiners licensed to operate inside of the Seychelles EEZ were operating under the National or Seychelles flag licences, EU-SYC Sustainable Fisheries Partnership Agreement and under individual agreement with South Korea and Mauritius hereafter group as 'Others'.
- During the year 2021, vessels fishing under the EU-SYC Sustainable Fisheries Partnership Agreement reported a total catch of 26,849 MT or 62% of the total reported catch inside the Seychelles EEZ. This represents a decrease of 54% in catches inside the Seychelles EEZ from the 57,953 MT reported in 2020. This was achieved from a fishing effort of 923 fishing days thus giving a mean catch rate of 29.09 MT/ fishing day. A total of 1,729 fishing days and a mean catch rate of 33.53 MT/ fishing day were reported for the year 2020 (table 1.6).
- Vessels under other agreement recorded a decrease of 62% in catches corresponding to a 54% decrease in fishing effort inside the Seychelles EEZ during the year 2021 when compared to the previous year. In 2021 vessel under other agreement reported a total catch of 4,745 MT accounting for only 11% of the total EEZ catch obtained from a fishing effort of 203 fishing days with a mean catch rate of 23.37 MT/ fishing day. This compared to an estimated total catch of 12,465 MT for the year 2020 achieved from a fishing effort of 438 fishing days thus giving a mean catch rate of 28.45 MT/ fishing day.

### **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 data 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, followed by a decreasing trend to reach 353,271 MT in 2020 (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 2021. A total of 387,992 MT of tuna was unloaded through port Victoria compared to 335,074 MT in 2020. This represents 93% of the total landing and transshipment for that year (figure 1L) and a 16% increase from the previous year. It must be noted that 1,950 MT of catches unloaded were discarded during the year 2021 representing a slight drop of 1% in discards compared to 1,925 MT of catches discarded in the year 2020.
- In the year 2021, the total catches transhipped from vessels to reefers or containers for export amounted to 325,701 MT or 84% of total purse seine catches unloaded in Port Victoria. Only 16% of the total tuna catches unloaded in Port Victoria were destined to Indian Ocean Canning Factory (IOT) and other local processors amounting to 60,341 MT of tuna (table 1.9). In 2020, a total of 279,861 MT of tuna were transhipped onto reefer vessels or containers for export and 55,213 MT were sold to IOT and local processing companies in Port Victoria. These represent an increase of 16% in catches transhipped for export and an increase of 9% in catches sold locally, in port Victoria respectively during the year 2021 when compared to the previous year excluding the discards.
- Out of the 325,701 MT of tuna transhipped in Port Victoria, 88,305 MT ( 27%) were exported by reefer vessels and 237,396 MT (73%) were exported by containers for excluding discards (table 1.9). This represents an increase of 14% of tuna transhipped via containers and an increase of 23% of tuna transhipped via reefer vessels respectively when compared to the previous year. In 2020 a total of 71,957 MT (26%) of tuna were exported by reefer vessels and 74% or 207,905 MT of tuna were exported by containers excluding discards.
- Analysis of catch landed/transhipped by fleet shows that historically, the Spanish fleet dominated tuna unloading in Port Victoria. In 2021 the Spanish fleet landed and transhipped a total of 157,323 MT of tuna, representing 41% of the total catch unloaded in Port Victoria during that year whilst the French and Seychelles fleet

accounted for 18% (or 68,139 MT) and 29% (or 113,063 MT) respectively (table 1.8). During the previous year, the Spanish fleet accounted for 41% (or 138,562 MT) of landing and transshipment in the same port whilst the French and Seychelles fleet accounted for 16% (or 53,425 MT) and 31% (or 104,617 MT) respectively.

### **1.9. Fishing Ground**

- Map 1A and 1B show the distribution of reported catch of purse seiner by 1<sup>o</sup> square in the WIO for the years 2020 and 2021 respectively. Map 1C and 1D shows the distribution of reported catch of purse seiner by 1<sup>o</sup> square in the WIO for the 1<sup>st</sup> Semester of 2020 and 2021 respectively whilst maps 1E and 1F show the distribution of reported catch of purse seiner by 1<sup>o</sup> square in the WIO for the 2<sup>nd</sup> Semester of 2020 and 2021 respectively.
- Maps 1B shows a decreased in catches in the NW and SE Seychelles area, with an increase in catches in the East Somalia area in 2021 when compared that of the previous year (Map 1A).
- Maps 1D shows decreased catches in the Arabian sea and NW Seychelles area with increased catches in the Maldives and Chagos area and East Somalia area during the first semester of 2021 when compared to the same period in 2020 (Map 1C).
- Maps 1F shows decrease catches in the Arabian sea, Maldives and Chagos area with an increase in the East Somalia area in the second semester of 2021 when compared to the same period the previous year (map 1E).

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

(Database Closed on 29/06/2022)

**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
<b>National Total</b>		<b>8</b>	<b>8</b>	<b>7</b>	<b>11</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>
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
<b>EU Total</b>		<b>22</b>	<b>25</b>	<b>22</b>	<b>28</b>	<b>31</b>	<b>29</b>	<b>27</b>	<b>27</b>	<b>28</b>	<b>27</b>	<b>28</b>
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
<b>Others Total</b>		<b>5</b>	<b>6</b>	<b>10</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>5</b>
		<b>35</b>	<b>38</b>	<b>39</b>	<b>44</b>	<b>49</b>	<b>49</b>	<b>46</b>	<b>44</b>	<b>45</b>	<b>45</b>	<b>46</b>

* Number of Vessels change of flag			1		1	2					1	
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**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
<b>National Total</b>		<b>6</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>7</b>	<b>9</b>	<b>8</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>4</b>
EU	Spain	4	5	6	10	11	11	11	11	6	6	5
	France						1	1	2	2	3	2
	Italy								1	1		
<b>EU Total</b>		<b>4</b>	<b>5</b>	<b>6</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>12</b>	<b>14</b>	<b>9</b>	<b>9</b>	<b>7</b>
Others	Korea							1	1	1	1	1
	Mauritius					1	1	1	1	1	1	1
<b>Others Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>
	<b>Annual Total</b>	<b>9</b>	<b>8</b>	<b>10</b>	<b>16</b>	<b>19</b>	<b>22</b>	<b>22</b>	<b>22</b>	<b>17</b>	<b>16</b>	<b>13</b>

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

(Database Closed on 29/06/2022)

**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
<b>Year Average</b>	<b>13</b>	<b>15</b>	<b>10</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>44</b>
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
<b>First Semester</b>	<b>13</b>	<b>15</b>	<b>10</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>44</b>
<b>Second Semester</b>	<b>13</b>	<b>15</b>	<b>10</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>44</b>

**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	13	16	11	1	2	3	46
Nov	13	16	11	1	2	3	46
Dec	13	16	11	1	2	3	46
<b>Year Average</b>	<b>13</b>	<b>16</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>46</b>
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	13	16	11	1	2	3	46
<b>First Semester</b>	<b>13</b>	<b>16</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>46</b>
<b>Second Semester</b>	<b>13</b>	<b>16</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>46</b>

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

(Database Closed on 29/06/2022)

**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
<b>National Total</b>		<b>8</b>	<b>8</b>	<b>7</b>	<b>10</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>
EU	Spain	13	15	14	15	17	14	14	14	15	15	16
	France	8	10	8	13	12	12	12	12	12	10	11
	Italy					1	1	1	1	1	1	1
<b>EU Total</b>		<b>21</b>	<b>25</b>	<b>22</b>	<b>28</b>	<b>30</b>	<b>27</b>	<b>27</b>	<b>27</b>	<b>28</b>	<b>26</b>	<b>28</b>
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											
<b>Others Total</b>		<b>5</b>	<b>6</b>	<b>9</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>5</b>
	<b>Annual Total</b>	<b>34</b>	<b>38</b>	<b>38</b>	<b>43</b>	<b>49</b>	<b>47</b>	<b>45</b>	<b>44</b>	<b>45</b>	<b>44</b>	<b>46</b>

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

(Database Closed on 29/06/2022)

**Year: 2020**

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

**Year: 2021**

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

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

(Database Closed on 29/06/2022)

**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	9,509	6	348	0	45	0	157,426
2017	6,356	29.47	84,484	45	83,129	44	19,047	10	433	0	216	0	187,309
2018	5,744	41.04	73,335	31	146,489	62	14,339	6	46	0	1,525	1	235,734
2019	5,256	38.15	69,559	35	115,216	57	15,115	8	116	0	478	0	200,485
2020	5,662	29.06	53,928	33	102,736	62	6,515	4	45	0	1,330	1	164,553
2021	5,330	38.46	65,401	32	116,749	57	21,063	10	117	0	1,632	1	204,960

**Country: ALL****Semester 2, 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	4,940	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
2021	4,341	47.91	54,170	26	135,962	65	16,015	8	48	0	1,766	1	207,961

Country: ALL

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	9,558	27.03	110,574	43	127,150	49	19,864	8	744	0	28	0	<b>258,361</b>
2012	9,696	23.87	131,057	57	82,163	35	16,995	7	1,206	1	56	0	<b>231,477</b>
2013	10,184	27.29	135,361	49	117,053	42	24,760	9	499	0	206	0	<b>277,879</b>
2014	11,789	23.57	126,800	46	129,105	46	21,236	8	524	0	172	0	<b>277,837</b>
2015	12,756	22.71	135,797	47	128,143	44	25,039	9	537	0	188	0	<b>289,704</b>
2016	13,825	25.46	146,763	42	182,024	52	22,435	6	421	0	284	0	<b>351,927</b>
2017	11,418	32.12	137,970	38	197,680	54	29,608	8	472	0	1,027	0	<b>366,757</b>
2018	10,889	40.39	140,273	32	274,315	62	23,261	5	103	0	1,879	0	<b>439,831</b>
2019	10,115	40.18	128,907	32	252,131	62	24,160	6	157	0	1,100	0	<b>406,455</b>
2020	10,548	33.53	110,752	31	223,603	63	16,702	5	135	0	2,481	1	<b>353,675</b>
2021	9,671	42.70	119,571	29	252,711	61	37,078	9	165	0	3,397	1	<b>412,922</b>



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

(Database Closed on 29/06/2022)

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
<b>Annual</b>	<b>44</b>	<b>42</b>	<b>10,548</b>	<b>33.53</b>	<b>110,752</b>	<b>31</b>	<b>223,603</b>	<b>63</b>	<b>16,702</b>	<b>5</b>	<b>135</b>	<b>0</b>	<b>2481</b>	<b>1</b>	<b>353,675</b>
<b>Quarter 1</b>	<b>44</b>	<b>43</b>	<b>2,855</b>	<b>31.18</b>	<b>27,012</b>	<b>30</b>	<b>58,045</b>	<b>65</b>	<b>3,372</b>	<b>4</b>	<b>11</b>	<b>0</b>	<b>576</b>	<b>1</b>	<b>89,015</b>
<b>Quarter 2</b>	<b>44</b>	<b>43</b>	<b>2,807</b>	<b>26.91</b>	<b>26,916</b>	<b>36</b>	<b>44,691</b>	<b>59</b>	<b>3,143</b>	<b>4</b>	<b>34</b>	<b>0</b>	<b>755</b>	<b>1</b>	<b>75,538</b>
<b>Quarter 3</b>	<b>44</b>	<b>42</b>	<b>2,482</b>	<b>39.81</b>	<b>28,985</b>	<b>29</b>	<b>63,435</b>	<b>64</b>	<b>5,521</b>	<b>6</b>	<b>78</b>	<b>0</b>	<b>791</b>	<b>1</b>	<b>98,809</b>
<b>Quarter 4</b>	<b>44</b>	<b>41</b>	<b>2,404</b>	<b>37.57</b>	<b>27,839</b>	<b>31</b>	<b>57,433</b>	<b>64</b>	<b>4,667</b>	<b>5</b>	<b>12</b>	<b>0</b>	<b>361</b>	<b>0</b>	<b>90,312</b>
<b>First Semester</b>	<b>44</b>	<b>43</b>	<b>5,662</b>	<b>29.06</b>	<b>53,928</b>	<b>33</b>	<b>102,736</b>	<b>62</b>	<b>6,515</b>	<b>4</b>	<b>45</b>	<b>0</b>	<b>1330</b>	<b>1</b>	<b>164,553</b>
<b>Second Semester</b>	<b>44</b>	<b>41</b>	<b>4,886</b>	<b>38.71</b>	<b>56,824</b>	<b>30</b>	<b>120,867</b>	<b>64</b>	<b>10,188</b>	<b>5</b>	<b>90</b>	<b>0</b>	<b>1151</b>	<b>1</b>	<b>189,121</b>

Country: ALL

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Days Fished)	Catch Rate (MT/Fishing day)	Yellowfin		Skipjack		Bigeye		Albacore		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	45	42	934	33.44	16,644	53	11,001	35	3,494	11	28	0	71	0	31,238
Feb	46	43	802	60.69	15,430	32	27,278	56	5,787	12	11	0	164	0	48,669
Mar	46	45	949	39.39	9,880	26	23,251	62	3,667	10	12	0	564	2	37,373
Apr	46	44	873	40.12	6,616	19	25,434	73	2,603	7	8	0	346	1	35,006
May	46	42	878	30.11	5,813	22	18,337	69	1,978	7	5	0	318	1	26,450
Jun	46	41	894	29.34	11,019	42	11,448	44	3,535	13	52	0	169	1	26,223
Jul	46	40	910	28.64	7,089	27	16,125	62	2,606	10	27	0	211	1	26,056
Aug	46	42	941	49.25	9,854	21	32,374	70	3,362	7	5	0	763	2	46,358
Sep	46	43	834	62.04	15,627	30	32,005	62	3,870	7	6	0	269	1	51,776
Oct	46	39	683	64.10	10,225	23	30,132	69	3,187	7	5	0	239	1	43,788
Nov	46	29	444	57.43	6,427	25	17,070	67	1,850	7	6	0	160	1	25,513
Dec	46	28	528	27.40	4,948	34	8,256	57	1,141	8	0	0	125	1	14,470
<b>Annual</b>	<b>46</b>	<b>40</b>	<b>9,671</b>	<b>42.70</b>	<b>119,571</b>	<b>29</b>	<b>252,711</b>	<b>61</b>	<b>37,078</b>	<b>9</b>	<b>165</b>	<b>0</b>	<b>3,397</b>	<b>1</b>	<b>412,922</b>
<b>Quarter 1</b>	<b>46</b>	<b>43</b>	<b>2,685</b>	<b>43.68</b>	<b>41,953</b>	<b>36</b>	<b>61,530</b>	<b>52</b>	<b>12,947</b>	<b>11</b>	<b>51</b>	<b>0</b>	<b>799</b>	<b>1</b>	<b>117,281</b>
<b>Quarter 2</b>	<b>46</b>	<b>42</b>	<b>2,645</b>	<b>33.15</b>	<b>23,448</b>	<b>27</b>	<b>55,219</b>	<b>63</b>	<b>8,115</b>	<b>9</b>	<b>65</b>	<b>0</b>	<b>832</b>	<b>1</b>	<b>87,679</b>
<b>Quarter 3</b>	<b>46</b>	<b>42</b>	<b>2,686</b>	<b>46.24</b>	<b>32,569</b>	<b>26</b>	<b>80,504</b>	<b>65</b>	<b>9,837</b>	<b>8</b>	<b>38</b>	<b>0</b>	<b>1,242</b>	<b>1</b>	<b>124,190</b>
<b>Quarter 4</b>	<b>46</b>	<b>32</b>	<b>1,655</b>	<b>50.61</b>	<b>21,601</b>	<b>26</b>	<b>55,458</b>	<b>66</b>	<b>6,178</b>	<b>7</b>	<b>10</b>	<b>0</b>	<b>523</b>	<b>1</b>	<b>83,771</b>
<b>First Semester</b>	<b>46</b>	<b>43</b>	<b>5,330</b>	<b>38.46</b>	<b>65,401</b>	<b>32</b>	<b>116,749</b>	<b>57</b>	<b>21,063</b>	<b>10</b>	<b>117</b>	<b>0</b>	<b>1,632</b>	<b>1</b>	<b>204,960</b>
<b>Second Semester</b>	<b>46</b>	<b>37</b>	<b>4,341</b>	<b>47.91</b>	<b>54,170</b>	<b>26</b>	<b>135,962</b>	<b>65</b>	<b>16,015</b>	<b>8</b>	<b>48</b>	<b>0</b>	<b>1,766</b>	<b>1</b>	<b>207,961</b>

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

(Database Closed on 29/06/2022)

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)	(%)			
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
<b>Annual</b>	<b>13</b>	<b>12</b>	<b>3,221</b>	<b>34.84</b>	<b>30,502</b>	<b>27</b>	<b>75,486</b>	<b>67</b>	<b>5,893</b>	<b>5</b>	<b>8</b>	<b>0</b>	<b>342</b>	<b>0</b>	<b>112,231</b>
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		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)			
Jan	13	13	321	31.95	3,221	31	5,793	56	1,212	12	1	0	37	0	10,265
Feb	13	13	275	47.21	3,466	27	8,020	62	1,453	11	2	0	44	0	12,986
Mar	13	13	320	35.77	2,510	22	7,519	66	1,339	12	1	0	90	1	11,459
Apr	13	13	267	40.16	2,040	19	7,943	74	661	6	1	0	67	1	10,713
May	13	12	257	37.14	2,053	21	6,889	72	578	6	0	0	44	0	9,563
Jun	13	13	292	24.04	1,901	27	4,186	60	818	12	10	0	103	1	7,018
Jul	13	13	344	26.17	2,382	26	5,803	64	776	9	12	0	39	0	9,012
Aug	13	13	315	47.42	3,201	21	10,579	71	1,117	7	2	0	43	0	14,942
Sep	13	13	286	61.62	4,002	23	12,069	69	1,378	8	0	0	157	1	17,606
Oct	13	12	195	60.72	2,650	22	7,919	67	1,099	9	0	0	146	1	11,815
Nov	13	7	78	59.73	1,328	28	2,768	59	518	11	0	0	52	1	4,667
Dec	13	3	76	37.34	651	23	1,903	67	280	10	0	0	7	0	2,840
<b>Annual</b>	<b>13</b>	<b>12</b>	<b>3,027</b>	<b>40.60</b>	<b>29,407</b>	<b>24</b>	<b>81,390</b>	<b>66</b>	<b>11,230</b>	<b>9</b>	<b>29</b>	<b>0</b>	<b>829</b>	<b>1</b>	<b>122,885</b>
Quarter 1	13	13	917	37.87	9,198	26	21,332	61	4,005	12	4	0	171	0	34,710
Quarter 2	13	13	816	33.44	5,995	22	19,017	70	2,057	8	11	0	214	1	27,294
Quarter 3	13	13	945	43.97	9,585	23	28,451	68	3,271	8	14	0	239	1	41,560
Quarter 4	13	7	349	55.40	4,629	24	12,591	65	1,897	10	0	0	205	1	19,322
First Semester	13	13	1,733	35.78	15,193	25	40,349	65	6,062	10	15	0	385	1	62,004
Second Semester	13	10	1,294	47.05	14,214	23	41,042	67	5,168	8	14	0	444	1	60,882

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

(Database Closed on 29/06/2022)

Country: SPAIN

Year: 2020

Month	Vessels		Effort (Days Fished)	Catch Rate		Catches (MT)								Total Catch (Mt)	
	Licensed (Number)	Covered (Number)		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
<b>Annual</b>	<b>15</b>	<b>14</b>	<b>3,948</b>	<b>36.50</b>	<b>42,453</b>	<b>29</b>	<b>93,223</b>	<b>65</b>	<b>6,906</b>	<b>5</b>	<b>7</b>	<b>0</b>	<b>1,507</b>	<b>1</b>	<b>144,095</b>
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		Effort (Days Fished)	Catch Rate		Catches (MT)								Total Catch (Mt)	
	Licensed (Number)	Covered (Number)		Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)		
Jan	15	12	288	32.24	4,562	49	3,196	34	1,503	16	18	0	19	0	9,297
Feb	16	13	277	79.13	6,210	28	12,598	57	3,025	14	0	0	108	0	21,941
Mar	16	15	278	45.54	2,692	21	8,268	65	1,338	11	5	0	372	3	12,676
Apr	16	14	333	43.98	2,364	16	11,002	75	1,103	8	2	0	194	1	14,665
May	16	14	332	33.46	2,493	22	7,588	68	784	7	0	0	260	2	11,125
Jun	16	13	313	35.36	4,327	39	4,588	41	2,063	19	24	0	56	1	11,058
Jul	16	12	304	37.02	3,245	29	6,447	57	1,403	12	7	0	155	1	11,257
Aug	16	13	325	58.45	3,909	21	12,898	68	1,512	8	0	0	668	4	18,987
Sep	16	14	298	70.47	7,138	34	12,127	58	1,684	8	0	0	28	0	20,977
Oct	16	11	202	73.32	3,829	26	9,626	65	1,333	9	0	0	26	0	14,814
Nov	16	7	97	68.59	1,947	29	4,110	62	563	8	0	0	37	1	6,658
Dec	16	10	180	21.03	2,344	62	1,142	30	288	8	0	0	14	0	3,788
<b>Annual</b>	<b>16</b>	<b>12</b>	<b>3,228</b>	<b>48.71</b>	<b>45,059</b>	<b>29</b>	<b>93,591</b>	<b>60</b>	<b>16,599</b>	<b>11</b>	<b>57</b>	<b>0</b>	<b>1,937</b>	<b>1</b>	<b>157,243</b>
Quarter 1	16	13	844	52.03	13,464	31	24,062	55	5,866	13	23	0	499	1	43,914
Quarter 2	16	14	979	37.65	9,183	25	23,178	63	3,950	11	26	0	510	1	36,848
Quarter 3	16	13	927	55.28	14,292	28	31,472	61	4,600	9	7	0	850	2	51,221
Quarter 4	16	9	479	52.71	8,120	32	14,879	59	2,183	9	0	0	77	0	25,260
First Semester	16	14	1,823	44.31	22,647	28	47,240	58	9,816	12	49	0	1,010	1	80,762
Second Semester	16	11	1,406	54.40	22,412	29	46,351	61	6,783	9	7	0	927	1	76,481

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

(Database Closed on 29/06/2022)

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)	(%)	Bigeeye (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
<b>Annual</b>	<b>10</b>	<b>10</b>	<b>1,956</b>	<b>29.58</b>	<b>24,406</b>	<b>42</b>	<b>30,819</b>	<b>53</b>	<b>1,962</b>	<b>3</b>	<b>101</b>	<b>0</b>	<b>550</b>	<b>1</b>	<b>57,839</b>
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)	(%)	Bigeeye (Mt)	(%)	Albacore (Mt)	(%)		Others (Mt)	(%)
Jan	11	11	189	36.03	5,210	77	1,173	17	397	6	6	0	14	0	6,800
Feb	11	11	142	54.55	3,035	39	4,001	52	706	9	7	0	8	0	7,758
Mar	11	11	212	36.48	2,828	37	4,264	55	573	7	6	0	56	1	7,727
Apr	11	11	197	32.55	1,689	26	4,138	65	501	8	4	0	73	1	6,405
May	11	10	152	20.37	879	28	1,874	61	318	10	4	0	13	0	3,089
Jun	11	9	171	31.36	3,029	57	1,758	33	545	10	16	0	6	0	5,354
Jul	11	9	141	20.61	729	25	1,939	67	224	8	3	0	8	0	2,903
Aug	11	10	172	40.45	1,554	22	5,054	73	316	5	2	0	36	1	6,962
Sep	11	10	161	54.09	2,885	33	5,237	60	526	6	4	0	78	1	8,730
Oct	11	10	162	62.56	2,235	22	7,501	74	335	3	4	0	49	0	10,124
Nov	11	9	154	50.73	1,796	23	5,664	72	312	4	6	0	58	1	7,835
Dec	11	9	152	33.10	1,394	28	3,123	62	428	8	0	0	93	2	5,038
<b>Annual</b>	<b>11</b>	<b>10</b>	<b>2,005</b>	<b>39.27</b>	<b>27,264</b>	<b>35</b>	<b>45,726</b>	<b>58</b>	<b>5,182</b>	<b>7</b>	<b>61</b>	<b>0</b>	<b>493</b>	<b>1</b>	<b>78,726</b>
Quarter 1	11	11	543	41.06	11,074	50	9,439	42	1,676	8	19	0	78	0	22,286
Quarter 2	11	10	519	28.60	5,597	38	7,770	52	1,364	9	24	0	93	1	14,848
Quarter 3	11	10	474	39.20	5,167	28	12,230	66	1,067	6	9	0	122	1	18,595
Quarter 4	11	9	468	49.09	5,426	24	16,288	71	1,075	5	9	0	200	1	22,997
First Semester	11	11	1,062	34.97	16,671	45	17,208	46	3,040	8	43	0	171	0	37,134
Second Semester	11	10	943	44.11	10,593	25	28,518	69	2,142	5	18	0	322	1	41,592

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

(Database Closed on 29/06/2022)

Country: OTHERS

Year: 2020

Month	Vessels Licensed	Vessels Covered	Effort	Catch Rate		Catches (MT)								Total Catch	
	(Number)	(Number)	(Days Fished)	(MT/Fishing day)	Yellowfin (Mt)	(%)	Skipjack (Mt)	(%)	Bigeye (Mt)	(%)	Albacore (Mt)	(%)	Others (Mt)	(%)	(Mt)
Jan	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
<b>Annual</b>	<b>6</b>	<b>6</b>	<b>1,423</b>	<b>27.77</b>	<b>13,392</b>	<b>34</b>	<b>24,076</b>	<b>61</b>	<b>1,942</b>	<b>5</b>	<b>19</b>	<b>0</b>	<b>82</b>	<b>0</b>	<b>39,510</b>
<b>Quarter 1</b>	<b>6</b>	<b>6</b>	<b>364</b>	<b>27.83</b>	<b>3,397</b>	<b>34</b>	<b>6,318</b>	<b>62</b>	<b>409</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>10,140</b>
<b>Quarter 2</b>	<b>6</b>	<b>6</b>	<b>409</b>	<b>23.48</b>	<b>3,710</b>	<b>39</b>	<b>5,491</b>	<b>57</b>	<b>346</b>	<b>4</b>	<b>10</b>	<b>0</b>	<b>55</b>	<b>1</b>	<b>9,612</b>
<b>Quarter 3</b>	<b>6</b>	<b>5</b>	<b>280</b>	<b>27.62</b>	<b>2,674</b>	<b>35</b>	<b>4,528</b>	<b>59</b>	<b>526</b>	<b>7</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>7,733</b>
<b>Quarter 4</b>	<b>6</b>	<b>6</b>	<b>369</b>	<b>32.60</b>	<b>3,611</b>	<b>30</b>	<b>7,739</b>	<b>64</b>	<b>661</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>12,025</b>
<b>First Semester</b>	<b>6</b>	<b>6</b>	<b>774</b>	<b>25.53</b>	<b>7,107</b>	<b>36</b>	<b>11,809</b>	<b>60</b>	<b>755</b>	<b>4</b>	<b>13</b>	<b>0</b>	<b>68</b>	<b>0</b>	<b>19,752</b>
<b>Second Semester</b>	<b>6</b>	<b>6</b>	<b>649</b>	<b>30.45</b>	<b>6,285</b>	<b>32</b>	<b>12,267</b>	<b>62</b>	<b>1,186</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>19,758</b>

Country: OTHERS

Year: 2021

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

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

(Database Closed on 29/06/2022)

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	971	26.42	9,381	37	13,899	54	2,099	8	22	0	260	1	25,661

Country: ALL

Semester 2, 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	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
2021	631	27.48	5,714	33	10,252	59	1,076	6	19	0	279	2	17,340

Country: ALL

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	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
2021	1,602	26.84	15,095	35	24,150	56	3,175	7	41	0	540	1	43,001

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

(Database Closed on 29/06/2022)

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
<b>Annual</b>	<b>44</b>	<b>42</b>	<b>3,127</b>	<b>30.59</b>	<b>40,624</b>	<b>42</b>	<b>49,682</b>	<b>52</b>	<b>4,936</b>	<b>5</b>	<b>119</b>	<b>0</b>	<b>306</b>	<b>0</b>	<b>95,668</b>
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	10.97	206	27	479	62	81	11	0	0	3	0	770
Feb	46	43	82	21.57	730	41	821	46	221	12	3	0	3	0	1,778
Mar	46	45	315	32.49	3,956	39	5,304	52	896	9	9	0	72	1	10,237
Apr	46	44	233	31.39	1,732	24	5,014	69	488	7	6	0	61	1	7,301
May	46	42	121	21.85	1,384	52	1,069	40	164	6	0	0	24	1	2,640
Jun	46	41	150	19.54	1,373	47	1,211	41	248	8	4	0	97	3	2,934
Jul	46	40	147	23.89	1,827	52	1,410	40	221	6	11	0	35	1	3,503
Aug	46	42	107	30.35	970	30	2,100	65	147	5	2	0	24	1	3,243
Sep	46	43	109	34.66	989	26	2,428	64	199	5	1	0	155	4	3,772
Oct	46	39	104	31.14	1,113	34	1,847	57	241	7	2	0	30	1	3,232
Nov	46	29	68	24.54	288	17	1,244	75	114	7	3	0	9	1	1,658
Dec	46	28	97	19.85	527	27	1,223	63	154	8	0	0	27	1	1,931
<b>Annual</b>	<b>46</b>	<b>40</b>	<b>1,602</b>	<b>26.84</b>	<b>15,095</b>	<b>35</b>	<b>24,150</b>	<b>56</b>	<b>3,175</b>	<b>7</b>	<b>41</b>	<b>0</b>	<b>540</b>	<b>1</b>	<b>43,001</b>
Quarter 1	46	43	468	27.34	4,892	38	6,605	52	1,199	9	12	0	78	1	12,785
Quarter 2	46	42	504	25.57	4,489	35	7,294	57	900	7	10	0	183	1	12,876
Quarter 3	46	42	362	29.03	3,786	36	5,938	56	567	5	13	0	214	2	10,518
Quarter 4	46	32	269	25.39	1,928	28	4,314	63	509	7	5	0	65	1	6,822
First Semester	46	43	971	26.42	9,381	37	13,899	54	2,099	8	22	0	260	1	25,661
Second Semester	46	37	631	27.48	5,714	33	10,252	59	1,076	6	19	0	279	2	17,340



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

(Database Closed on 29/06/2022)

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
<b>Annual</b>	<b>13</b>	<b>12</b>	<b>960</b>	<b>26.28</b>	<b>8,012</b>	<b>32</b>	<b>15,824</b>	<b>63</b>	<b>1,318</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>72</b>	<b>0</b>	<b>25,230</b>
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	15.69	191	27	434	61	80	11		0	3	0	709
Feb	13	13	47	16.29	162	21	516	68	82	11	1	0	2	0	763
Mar	13	13	80	32.15	541	21	1,693	66	294	11	1	0	52	2	2,581
Apr	13	13	57	26.03	292	20	1,101	74	83	6		0	5	0	1,480
May	13	12	34	19.03	368	57	217	33	61	9		0	3	0	648
Jun	13	13	45	18.74	218	26	457	54	103	12	1	0	72	8	851
Jul	13	13	60	31.93	911	48	834	44	158	8		0	12	1	1,916
Aug	13	13	31	32.18	264	26	678	67	54	5	2	0	15	1	1,013
Sep	13	13	35	29.19	221	21	634	62	91	9		0	82	8	1,028
Oct	13	12	22	11.89	50	19	182	70	27	10		0	2	1	261
Nov	13	7	7	6.35	9	20	36	80		0		0	0	0	46
Dec	13	3	12	9.47	58	52	50	45	4	3		0	0	0	111
<b>Annual</b>	<b>13</b>	<b>12</b>	<b>476</b>	<b>23.95</b>	<b>3,285</b>	<b>29</b>	<b>6,832</b>	<b>60</b>	<b>1,036</b>	<b>9</b>	<b>5</b>	<b>0</b>	<b>249</b>	<b>2</b>	<b>11,407</b>
Quarter 1	13	13	172	23.52	894	22	2,643	65	457	11	2	0	57	1	4,053
Quarter 2	13	13	136	21.85	878	29	1,775	60	247	8	1	0	79	3	2,980
Quarter 3	13	13	127	31.23	1,397	35	2,145	54	303	8	2	0	110	3	3,957
Quarter 4	13	7	41	10.22	117	28	268	64	31	7	0	0	2	1	417
First Semester	13	13	309	22.78	1,771	25	4,418	63	703	10	3	0	137	2	7,033
Second Semester	13	10	168	26.11	1,513	35	2,413	55	333	8	2	0	112	3	4,374

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

(Database Closed on 29/06/2022)

**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
<b>Annual</b>	<b>15</b>	<b>14</b>	<b>825</b>	<b>35.58</b>	<b>11,471</b>	<b>39</b>	<b>15,843</b>	<b>54</b>	<b>1,849</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>193</b>	<b>1</b>	<b>29,362</b>
<b>Quarter 1</b>	<b>15</b>	<b>14</b>	<b>192</b>	<b>27.79</b>	<b>1,607</b>	<b>30</b>	<b>3,526</b>	<b>66</b>	<b>191</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>5,325</b>
<b>Quarter 2</b>	<b>15</b>	<b>15</b>	<b>264</b>	<b>33.01</b>	<b>5,178</b>	<b>59</b>	<b>2,771</b>	<b>32</b>	<b>767</b>	<b>9</b>	<b>6</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>8,729</b>
<b>Quarter 3</b>	<b>15</b>	<b>14</b>	<b>266</b>	<b>48.64</b>	<b>4,022</b>	<b>31</b>	<b>7,958</b>	<b>62</b>	<b>790</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>164</b>	<b>1</b>	<b>12,933</b>
<b>Quarter 4</b>	<b>15</b>	<b>14</b>	<b>103</b>	<b>22.97</b>	<b>664</b>	<b>28</b>	<b>1,588</b>	<b>67</b>	<b>102</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>1</b>	<b>2,375</b>
<b>First Semester</b>	<b>15</b>	<b>15</b>	<b>456</b>	<b>30.82</b>	<b>6,785</b>	<b>48</b>	<b>6,297</b>	<b>45</b>	<b>957</b>	<b>7</b>	<b>6</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>14,054</b>
<b>Second Semester</b>	<b>15</b>	<b>14</b>	<b>369</b>	<b>41.45</b>	<b>4,686</b>	<b>31</b>	<b>9,546</b>	<b>62</b>	<b>892</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>185</b>	<b>1</b>	<b>15,308</b>

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

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

(Database Closed on 29/06/2022)

Country: FRANCE

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

Country: FRANCE

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	11	11	8	0.00	0	8	0	0	0	0	0	0	0	0	0
Feb	11	11	12	29.46	50	178	162	45	16	4	2	1	1	0	359
Mar	11	11	102	36.07	47	1,738	1,765	48	167	5	3	0	8	0	3,681
Apr	11	11	88	35.77	24	774	2,180	69	164	5	4	0	41	1	3,162
May	11	10	21	22.04	30	142	305	65	16	3	0	0	5	1	467
Jun	11	9	19	22.67	63	268	150	35	4	1	2	0	0	0	424
Jul	11	9	22	7.18	38	59	92	59	5	3	0	0	0	0	155
Aug	11	10	34	31.83	29	311	725	67	39	4	0	0	4	0	1,080
Sep	11	10	46	45.98	28	591	1,351	65	82	4	0	0	71	3	2,095
Oct	11	10	35	36.40	37	463	746	59	38	3	1	0	17	1	1,265
Nov	11	9	30	33.52	17	170	759	75	72	7	3	0	3	0	1,008
Dec	11	9	35	24.84	22	193	631	73	32	4	0	0	14	2	870
<b>Annual</b>	<b>11</b>	<b>10</b>	<b>451</b>	<b>32.28</b>	<b>34</b>	<b>4,886</b>	<b>8,866</b>	<b>61</b>	<b>635</b>	<b>4</b>	<b>15</b>	<b>0</b>	<b>164</b>	<b>1</b>	<b>14,566</b>
<b>Quarter 1</b>	<b>11</b>	<b>11</b>	<b>122</b>	<b>33.12</b>	<b>48</b>	<b>1,924</b>	<b>1,927</b>	<b>48</b>	<b>183</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>4,040</b>
<b>Quarter 2</b>	<b>11</b>	<b>10</b>	<b>128</b>	<b>31.59</b>	<b>29</b>	<b>1,183</b>	<b>2,635</b>	<b>65</b>	<b>183</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>46</b>	<b>1</b>	<b>4,053</b>
<b>Quarter 3</b>	<b>11</b>	<b>10</b>	<b>101</b>	<b>32.93</b>	<b>29</b>	<b>961</b>	<b>2,167</b>	<b>65</b>	<b>126</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>2</b>	<b>3,330</b>
<b>Quarter 4</b>	<b>11</b>	<b>9</b>	<b>100</b>	<b>31.48</b>	<b>26</b>	<b>826</b>	<b>2,137</b>	<b>68</b>	<b>142</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>34</b>	<b>1</b>	<b>3,143</b>
<b>First Semester</b>	<b>11</b>	<b>11</b>	<b>250</b>	<b>32.34</b>	<b>38</b>	<b>3,107</b>	<b>4,562</b>	<b>56</b>	<b>366</b>	<b>5</b>	<b>11</b>	<b>0</b>	<b>55</b>	<b>1</b>	<b>8,094</b>
<b>Second Semester</b>	<b>11</b>	<b>10</b>	<b>201</b>	<b>32.21</b>	<b>28</b>	<b>1,787</b>	<b>4,304</b>	<b>67</b>	<b>268</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>109</b>	<b>2</b>	<b>6,472</b>

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

(Database Closed on 29/06/2022)

Country: OTHERS

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

Country: OTHERS

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

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

(Database Closed on 29/06/2022)

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		
<b>SYC EEZ Total</b>		<b>960</b>	<b>26.28</b>	<b>8,012</b>	<b>32</b>	<b>15,824</b>	<b>63</b>	<b>1,318</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>72</b>	<b>0</b>	<b>25,230</b>			
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		
<b>Foreign EEZ Total</b>		<b>545</b>	<b>44.06</b>	<b>6,305</b>	<b>26</b>	<b>16,094</b>	<b>67</b>	<b>1,567</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>34</b>	<b>0</b>	<b>24,000</b>			
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		
<b>High Seas Total</b>		<b>1,717</b>	<b>36.69</b>	<b>16,185</b>	<b>26</b>	<b>43,567</b>	<b>69</b>	<b>3,008</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>236</b>	<b>0</b>	<b>63,000</b>			
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		
<b>Grand Total</b>		<b>3,221</b>	<b>34.84</b>	<b>30,502</b>	<b>27</b>	<b>75,486</b>	<b>67</b>	<b>5,893</b>	<b>5</b>	<b>8</b>	<b>0</b>	<b>342</b>	<b>0</b>	<b>112,231</b>			

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	172	23.52	894	22	2,643	65	457	11	2	0	57	1.4	4,053	4,053		
	2	136	21.85	878	29	1,775	60	247	8	1	0	79	2.7	2,980	7,033		
	3	127	31.23	1,397	35	2,145	54	303	8	2	0	110	2.8	3,957	10,989		
	4	41	10.22	117	28	268	64	31	7		0	2	0.5	417	11,407		
<b>SYC EEZ Total</b>		<b>476</b>	<b>23.95</b>	<b>3,285</b>	<b>29</b>	<b>6,832</b>	<b>60</b>	<b>1,036</b>	<b>9</b>	<b>5</b>	<b>0</b>	<b>249</b>	<b>2</b>	<b>11,407</b>			
Foreign EEZ	1	200	38.47	1,663	22	5,285	69	729	9	0	0	1	0.0	7,677	7,677		
	2	228	42.58	1,798	19	7,323	76	552	6	0	0	22	0.2	9,694	17,372		
	3	0	0.00	0	0	0	0	0	0	0	0	0	0.0	0	17,372		
	4	15	0.00	0	0	0	0	0	0	0	0	0	0.0	0	17,372		
<b>Foreign EEZ Total</b>		<b>442</b>	<b>39.28</b>	<b>3,460</b>	<b>20</b>	<b>12,608</b>	<b>73</b>	<b>1,281</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>17,372</b>			
High Seas	1	545	42.18	6,642	29	13,404	58	2,819	12	2	0	113	0.5	22,979	22,979		
	2	452	32.33	3,319	23	9,919	68	1,259	9	10	0	113	0.8	14,620	37,599		
	3	818	45.94	8,189	22	26,306	70	2,968	8	12	0	129	0.3	37,604	75,203		
	4	293	64.54	4,512	24	12,323	65	1,866	10	0	0	203	1.1	18,904	94,107		
<b>High Seas Total</b>		<b>2,108</b>	<b>44.64</b>	<b>22,662</b>	<b>24</b>	<b>61,951</b>	<b>66</b>	<b>8,913</b>	<b>9</b>	<b>24</b>	<b>0</b>	<b>558</b>	<b>1</b>	<b>94,107</b>			
WIO Total	1	917	37.87	9,198	28	21,332	65	4,005	12	4	0	171	1	34,710	34,710		
	2	816	33.44	5,995	29	19,017	91	2,057	10	11	0	214	1	27,294	62,004		
	3	945	43.97	9,585	28	28,451	84	3,271	10	14	0	239	1	41,560	103,564		
	4	349	55.40	4,629	19	12,591	50	1,897	8	0	0	205	1	19,322	122,885		
<b>Grand Total</b>		<b>3,027</b>	<b>40.60</b>	<b>29,407</b>	<b>24</b>	<b>81,390</b>	<b>66</b>	<b>11,230</b>	<b>9</b>	<b>29</b>	<b>0</b>	<b>829</b>	<b>1</b>	<b>122,885</b>			

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

(Database Closed on 29/06/2022)

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%
<b>Quarter 1 Total</b>		<b>34%</b>	<b>12%</b>	<b>54%</b>	<b>31%</b>	<b>17%</b>	<b>52%</b>
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%
<b>Quarter 2 Total</b>		<b>33%</b>	<b>8%</b>	<b>59%</b>	<b>32%</b>	<b>13%</b>	<b>55%</b>
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%
<b>Quarter 3 Total</b>		<b>35%</b>	<b>3%</b>	<b>61%</b>	<b>37%</b>	<b>0%</b>	<b>63%</b>
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%
<b>Quarter 4 Total</b>		<b>15%</b>	<b>2%</b>	<b>83%</b>	<b>8%</b>	<b>0%</b>	<b>92%</b>
<b>Semester 1</b>		<b>33%</b>	<b>10%</b>	<b>57%</b>	<b>32%</b>	<b>15%</b>	<b>53%</b>
<b>Semester 2</b>		<b>25%</b>	<b>3%</b>	<b>72%</b>	<b>23%</b>	<b>0%</b>	<b>77%</b>
<b>Year Total</b>		<b>30%</b>	<b>7%</b>	<b>64%</b>	<b>27%</b>	<b>7%</b>	<b>66%</b>

Country: ALL

Year: 2021

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

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

(Database Closed on 29/06/2022)

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	38,635
	SKJ	9,456	3,794	5,464	6,495	7,558	7,627	6,250	5,304	25,427	5,236	9,015
	BET	6,107	7,404	4,207	5,840	9,638	2,666	10,054	2,134	5,659	1,597	5,785
	ALB	663	1,147	449	340	415	326	392	16	90	103	76
	OTH	0	32	4	24	56	10	5	2	38	11	33
	<b>Free School Total</b>		<b>50,657</b>	<b>77,659</b>	<b>44,584</b>	<b>58,969</b>	<b>79,741</b>	<b>58,343</b>	<b>63,498</b>	<b>21,684</b>	<b>62,067</b>	<b>26,383</b>
FAD Associated School	YFT	76,031	65,659	100,764	80,485	73,651	98,936	91,138	122,643	96,381	91,107	80,368
	SKJ	117,518	78,320	111,287	122,601	120,497	174,236	191,342	262,886	218,295	217,497	242,880
	BET	13,735	9,585	20,539	15,393	15,379	19,762	19,549	20,598	18,363	15,046	31,104
	ALB	81	59	50	181	121	95	80	87	67	32	84
	OTH	28	18	202	147	133	274	1,023	1,876	1,016	2,470	3,351
	<b>FAD Associated School Total</b>		<b>207,394</b>	<b>153,641</b>	<b>232,842</b>	<b>218,807</b>	<b>209,781</b>	<b>293,303</b>	<b>303,132</b>	<b>408,091</b>	<b>334,123</b>	<b>326,153</b>
Unidentified School	YFT	111	115	137	45	71	113	35	3,401	1,674	209	568
	SKJ	176	49	302	9	88	161	87	6,126	8,408	870	816
	BET	23	6	14	4	22	8	5	529	138	59	190
	ALB	0	0	0	3	0	0	1	0	0	0	5
	OTH	0	6	0	0	0	0	0	1	46	0	14
	<b>Unidentified School Total</b>		<b>311</b>	<b>176</b>	<b>452</b>	<b>61</b>	<b>181</b>	<b>282</b>	<b>127</b>	<b>10,057</b>	<b>10,266</b>	<b>1,138</b>
Total WIO Catch	YFT	110,574	131,057	135,361	126,800	135,797	146,763	137,970	140,273	128,907	110,752	119,571
	SKJ	127,150	82,163	117,053	129,105	128,143	182,024	197,680	274,315	252,131	223,603	252,711
	BET	19,864	16,995	24,760	21,236	25,039	22,435	29,608	23,261	24,160	16,702	37,078
	ALB	744	1,206	499	524	537	421	472	103	157	135	165
	OTH	28	56	206	172	188	284	1,027	1,879	1,100	2,481	3,397
	<b>Total WIO</b>	<b>258,361</b>	<b>231,477</b>	<b>277,879</b>	<b>277,837</b>	<b>289,704</b>	<b>351,927</b>	<b>366,757</b>	<b>439,831</b>	<b>406,455</b>	<b>353,675</b>	<b>412,922</b>

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%	72%
	SKJ	19%	5%	12%	11%	9%	13%	10%	24%	41%	20%	17%
	BET	12%	10%	9%	10%	12%	5%	16%	10%	9%	6%	11%
	ALB	1%	1%	1%	1%	1%	1%	1%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	<b>Free School Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
FAD Associated School	YFT	37%	43%	43%	37%	35%	34%	30%	30%	29%	28%	22%
	SKJ	57%	51%	48%	56%	57%	59%	63%	64%	65%	67%	68%
	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%
	<b>FAD Associated School Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
Unidentified School	YFT	36%	65%	30%	73%	39%	40%	27%	34%	16%	18%	36%
	SKJ	57%	28%	67%	15%	49%	57%	68%	61%	82%	76%	51%
	BET	7%	3%	3%	7%	12%	3%	4%	5%	1%	5%	12%
	ALB	0%	0%	0%	5%	0%	0%	1%	0%	0%	0%	0%
	OTH	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	1%
	<b>Unidentified School Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
Total WIO	Free School	20%	34%	16%	21%	28%	17%	17%	5%	15%	7%	13%
	FAD Associated School	80%	66%	84%	79%	72%	83%	83%	93%	82%	92%	87%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	2%	3%	0%	0%

\* Data for first semester only

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

(Database Closed on 29/06/2022)

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	7,286
	SKJ	1,719	636	670	1,263	1,813	3,172	1,671	458	5,617	3,040	987
	BET	1,969	2,004	784	1,783	1,410	818	2,823	434	3,552	1,302	615
	ALB	48	251	157	51	47	75	195	4	86	99	11
	OTH	0	0	0	0	41	6	1	1	7	10	4
	<b>Free School Total</b>	<b>21,088</b>	<b>31,155</b>	<b>8,836</b>	<b>17,854</b>	<b>17,305</b>	<b>25,540</b>	<b>23,657</b>	<b>4,201</b>	<b>24,397</b>	<b>21,385</b>	<b>8,903</b>
FAD Associated School	YFT	13,145	10,771	11,068	13,959	9,988	20,777	17,042	26,668	20,447	23,625	7,705
	SKJ	22,100	13,945	12,962	21,464	19,534	42,837	29,657	52,340	34,481	46,486	23,103
	BET	2,777	1,693	2,910	2,392	2,147	3,610	2,824	3,765	4,057	3,632	2,530
	ALB	12	4	4	31	40	52	20	25	24	20	24
	OTH	0	5	89	93	27	79	77	142	139	296	536
	<b>FAD Associated School Total</b>	<b>38,034</b>	<b>26,417</b>	<b>27,033</b>	<b>37,939</b>	<b>31,736</b>	<b>67,354</b>	<b>49,620</b>	<b>82,940</b>	<b>59,149</b>	<b>74,059</b>	<b>33,899</b>
Unidentified School	YFT	6	0	50	0	4	29	23	351	224	65	104
	SKJ	132	0	88	0	2	32	55	1,101	808	157	60
	BET	1	0	5	0	0	3	3	56	25	2	30
	ALB	0	0	0	0	0	0	1	0	0	0	5
	OTH	0	0	0	0	0	0	0	0	8	0	0
	<b>Unidentified School Total</b>	<b>139</b>	<b>0</b>	<b>143</b>	<b>0</b>	<b>6</b>	<b>64</b>	<b>83</b>	<b>1,507</b>	<b>1,065</b>	<b>224</b>	<b>199</b>
Total EEZ Catch	YFT	30,503	39,036	18,343	28,717	23,985	42,273	36,032	30,322	35,805	40,624	15,095
	SKJ	23,952	14,580	13,721	22,726	21,348	46,042	31,383	53,899	40,906	49,682	24,150
	BET	4,747	3,697	3,698	4,175	3,558	4,431	5,651	4,255	7,634	4,936	3,175
	ALB	60	254	161	83	87	127	215	30	111	119	41
	OTH	0	5	89	93	68	85	78	143	155	306	540
		<b>Total</b>	<b>59,261</b>	<b>57,572</b>	<b>36,013</b>	<b>55,794</b>	<b>49,046</b>	<b>92,958</b>	<b>73,360</b>	<b>88,649</b>	<b>84,610</b>	<b>95,668</b>

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%	82%
	SKJ	8%	2%	8%	7%	10%	12%	7%	11%	23%	14%	11%
	BET	9%	6%	9%	10%	8%	3%	12%	10%	15%	6%	7%
	ALB	0%	1%	2%	0%	0%	0%	1%	0%	0%	0%	0%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
FAD Associated School	YFT	35%	41%	41%	37%	31%	31%	34%	32%	35%	32%	23%
	SKJ	58%	53%	48%	57%	62%	64%	60%	63%	58%	63%	68%
	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%	2%
	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
Unidentified School	YFT	4%	0%	35%	0%	65%	46%	28%	23%	21%	29%	52%
	SKJ	95%	0%	62%	0%	33%	51%	66%	73%	76%	70%	30%
	BET	1%	0%	3%	0%	2%	4%	4%	4%	2%	1%	15%
	ALB	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	3%
	OTH	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
	<b>100%</b>	<b>0%</b>	<b>100%</b>	<b>0%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
Total EEZ	Free School	36%	54%	25%	32%	35%	27%	32%	5%	29%	22%	21%
	FAD Associated School	64%	46%	75%	68%	65%	72%	68%	94%	70%	77%	79%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	2%	1%	0%	0%

\* 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 29/06/2022)

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	7,844
	FAD associated School	52,291	36,829	49,883	52,220	67,108	99,169	103,566	119,544	97,623	109,383	115,041
	Unidentified School	135	0	270	0	10	260	79	102	7,996	51	
<b>National Total</b>	<b>All Schools</b>	<b>63,212</b>	<b>50,938</b>	<b>57,324</b>	<b>60,255</b>	<b>88,740</b>	<b>108,613</b>	<b>122,202</b>	<b>123,310</b>	<b>112,621</b>	<b>112,231</b>	<b>122,885</b>
European Community	Free School	31,778	48,006	29,026	41,457	50,974	36,242	37,847	10,687	38,933	17,697	37,453
	FAD associated School	136,727	100,616	157,687	150,783	127,946	172,239	178,662	261,898	210,930	188,576	205,140
	Unidentified School	34	176	133	61	172	22	26	9,955	2,219	1,064	1,393
<b>European Community Total</b>	<b>All Schools</b>	<b>168,539</b>	<b>148,798</b>	<b>186,845</b>	<b>192,301</b>	<b>179,091</b>	<b>208,503</b>	<b>216,535</b>	<b>282,540</b>	<b>252,082</b>	<b>207,338</b>	<b>243,986</b>
Others	Free School	8,093	15,545	8,388	9,476	7,145	12,916	7,093	7,332	16,132	5,889	8,246
	FAD associated School	18,376	16,196	25,272	15,804	14,727	21,895	20,905	26,649	25,570	28,194	37,605
	Unidentified School	142	0	49	0	0	0	22	0	50	23	200
<b>Others Total</b>	<b>All Schools</b>	<b>26,610</b>	<b>31,740</b>	<b>33,710</b>	<b>25,280</b>	<b>21,873</b>	<b>34,811</b>	<b>28,020</b>	<b>33,981</b>	<b>41,753</b>	<b>34,106</b>	<b>46,051</b>
<b>Grand Total</b>		<b>258,361</b>	<b>231,477</b>	<b>277,879</b>	<b>277,837</b>	<b>289,704</b>	<b>351,927</b>	<b>366,757</b>	<b>439,831</b>	<b>406,455</b>	<b>353,675</b>	<b>412,922</b>

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%	6%
	FAD associated School	83%	72%	87%	87%	76%	91%	85%	97%	87%	97%	94%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	7%	0%	0%
<b>National Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
European Community	Free School	19%	32%	16%	22%	28%	17%	17%	4%	15%	9%	15%
	FAD associated School	81%	68%	84%	78%	71%	83%	83%	93%	84%	91%	84%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	4%	1%	1%	1%
<b>European Community Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
Others	Free School	30%	49%	25%	37%	33%	37%	25%	22%	39%	17%	18%
	FAD associated School	69%	51%	75%	63%	67%	63%	75%	78%	61%	83%	82%
	Unidentified School	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Others Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

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

(Database Closed on 29/06/2022)

Country: ALL

Area: SYC EEZ

Years: 2011 - 2021

Agreement	School Type	Catch(MT)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>National</b>	Free School	4,135	5,661	1,014	1,001	3,028	3,194	4,940	357	3,204	2,173	1,636
	FAD associated School	8,918	4,585	5,457	6,574	8,617	17,946	10,575	24,444	14,007	23,006	9,771
	Unidentified School	135	0	21	0	6	47	57	10	877	51	
<b>National Total</b>	<b>All Schools</b>	<b>13,187</b>	<b>10,246</b>	<b>6,492</b>	<b>7,575</b>	<b>11,650</b>	<b>21,187</b>	<b>15,572</b>	<b>24,812</b>	<b>18,088</b>	<b>25,230</b>	<b>11,407</b>
<b>European Community</b>	Free School	13,764	18,047	6,064	14,726	12,271	16,494	15,950	2,566	14,764	14,639	6,121
	FAD associated School	26,253	17,250	16,540	27,908	20,235	43,937	33,610	51,864	38,515	43,172	20,534
	Unidentified School	4	0	113	0	0	17	26	1,497	188	162	194
<b>European Community Total</b>	<b>All Schools</b>	<b>40,021</b>	<b>35,298</b>	<b>22,717</b>	<b>42,633</b>	<b>32,506</b>	<b>60,448</b>	<b>49,586</b>	<b>55,927</b>	<b>53,467</b>	<b>57,973</b>	<b>26,849</b>
<b>Others</b>	Free School	3,189	7,446	1,758	2,128	2,006	5,851	2,767	1,277	6,429	4,573	1,146
	FAD associated School	2,864	4,583	5,036	3,457	2,884	5,472	5,435	6,632	6,627	7,882	3,594
	Unidentified School	0	0	9	0	0	0	0	0	0	10	5
<b>Others Total</b>	<b>All Schools</b>	<b>6,053</b>	<b>12,029</b>	<b>6,804</b>	<b>5,586</b>	<b>4,890</b>	<b>11,323</b>	<b>8,202</b>	<b>7,910</b>	<b>13,056</b>	<b>12,465</b>	<b>4,745</b>
<b>Grand Total</b>		<b>59,261</b>	<b>57,572</b>	<b>36,013</b>	<b>55,794</b>	<b>49,046</b>	<b>92,958</b>	<b>73,360</b>	<b>88,649</b>	<b>84,610</b>	<b>95,668</b>	<b>43,001</b>

\* Data for first semester only

Agreement	School Type	Catch(%)										
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>National</b>	Free School	31%	55%	16%	13%	26%	15%	32%	1%	18%	9%	14%
	Seychelles	68%	45%	84%	87%	74%	85%	68%	99%	77%	91%	86%
	Unidentified School	1%	0%	0%	0%	0%	0%	0%	0%	5%	0%	0%
<b>National Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>European Community</b>	Free School	34%	51%	27%	35%	38%	27%	32%	5%	28%	25%	23%
	FAD associated School	66%	49%	73%	65%	62%	73%	68%	93%	72%	74%	76%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	3%	0%	0%	1%
<b>European Community Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>
<b>Others</b>	Free School	53%	62%	26%	38%	41%	52%	34%	16%	49%	37%	24%
	FAD associated School	47%	38%	74%	62%	59%	48%	66%	84%	51%	63%	76%
	Unidentified School	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
<b>Others Total</b>		<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

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

(Database Closed on 29/06/2022)

Area: SEYCHELLES EEZ

Year: 2020

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

EC Agreement: Include Seychelles

Other Agreement: Includes Korea and Mauritius

Area: SEYCHELLES EEZ

Year: 2021

Access Regime	Quarter	Effort	Catch Rate	Catches		Skipjack		Bigeye		Albacore		Others		Total	Cummulative
		Days Fished	MT/Fishing day	Yellowfin (Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	Total (Mt)
National	1	172	23.52	894	22	2,643	65	457	11	2	0	57	1	4,053	4,053
	2	136	21.85	878	29	1,775	60	247	8	1	0	79	3	2,980	7,033
	3	127	31.23	1,397	35	2,145	54	303	8	2	0	110	3	3,957	10,989
	4	41	10.22	117	28	268	64	31	7	0	0	2	1	417	11,407
<b>National Total</b>		<b>476</b>	<b>23.95</b>	<b>3,285</b>	<b>29</b>	<b>6,832</b>	<b>60</b>	<b>1,036</b>	<b>9</b>	<b>5</b>	<b>0</b>	<b>249</b>	<b>2</b>	<b>11,407</b>	
EC Agreement	1	238	29.50	3,138	45	3,214	46	656	9	10	0	16	0	7,033	7,033
	2	308	27.61	2,913	34	4,919	58	564	7	7	0	92	1	8,495	15,528
	3	191	29.82	2,084	37	3,276	58	227	4	7	0	99	2	5,694	21,222
	4	186	30.27	1,735	31	3,383	60	449	8	5	0	55	1	5,627	26,849
<b>EC Agreement Total</b>		<b>923</b>	<b>29.09</b>	<b>9,870</b>	<b>37</b>	<b>14,791</b>	<b>55</b>	<b>1,896</b>	<b>7</b>	<b>29</b>	<b>0</b>	<b>263</b>	<b>1</b>	<b>26,849</b>	
Others	1	57	29.82	861	51	747	44	87	5	0	0	5	0	1,699	1,699
	2	60	23.52	698	50	600	43	89	6	2	0	11	1	1,401	3,100
	3	45	19.44	305	35	517	60	37	4	4	0	5	1	868	3,968
	4	42	18.56	76	10	663	85	30	4	0	0	8	1	777	4,745
<b>Others Total</b>		<b>203</b>	<b>23.37</b>	<b>1,941</b>	<b>41</b>	<b>2,527</b>	<b>53</b>	<b>243</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>29</b>	<b>1</b>	<b>4,745</b>	
All Agreements	1	468	27.34	4,892	18	6,605	24	1,199	4	12	0	78	0	12,785	12,785
	2	504	25.57	4,489	18	7,294	30	900	4	10	0	183	1	12,876	25,661
	3	362	29.03	3,786	10	5,938	16	567	2	13	0	214	1	10,518	36,179
	4	269	25.39	1,928	26	4,314	58	509	7	5	0	65	1	6,822	43,001
<b>Grand Total</b>		<b>1,602</b>	<b>26.84</b>	<b>15,095</b>	<b>35</b>	<b>24,150</b>	<b>56</b>	<b>3,175</b>	<b>7</b>	<b>41</b>	<b>0</b>	<b>540</b>	<b>1</b>	<b>43,001</b>	

EC Agreement: Includes Spain, France and Italy

Other Agreement: Includes Korea and Mauritius

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

(Database Closed on 29/06/2022)

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

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	MADAGASCAR	MAURICE	MOMBASA	OTHERS*		
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	193,254	5,301	4,152		661	203,368	95%

**Country: ALL****Semester 2, Years: 2011 - 2020**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	MADAGASCAR	MAURICE	MOMBASA	OTHERS*		
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%
2021	194,738	11,893	6,026			212,657	92%

**Country: ALL****Years: 2011 - 2021**

Year	PORT					Total Grand Total	% of Total Landing & Transshipment In Seychelles
	SEYCHELLES	MADAGASCAR	MAURICE	MOMBASA	OTHERS*		
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%
2021	387,992	17,193	10,178		661	416,024	93%

OTHERS\* include South Korea and Abidjan

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

(Database Closed on 29/06/2022)

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%
<b>Annual</b>	<b>93,717</b>	<b>167,262</b>	<b>21,765</b>	<b>97</b>	<b>50,309</b>	<b>333,149</b>	<b>1,925</b>	<b>335,074</b>	<b>353,271</b>	<b>95%</b>
<b>Quarter 1</b>	21,984	45,817	4,992	0	8,785	81,578	659	82,237	87,404	94%
<b>Quarter 2</b>	19,919	37,683	4,313	22	12,310	74,247	588	74,835	76,482	98%
<b>Quarter 3</b>	31,090	40,079	6,811	59	9,723	87,762	300	88,062	92,160	96%
<b>Quarter 4</b>	20,723	43,683	5,648	16	19,491	89,561	378	89,940	97,225	93%
<b>First Semester</b>	<b>41,903</b>	<b>83,500</b>	<b>9,305</b>	<b>22</b>	<b>21,095</b>	<b>155,825</b>	<b>1,247</b>	<b>157,072</b>	<b>163,887</b>	<b>96%</b>
<b>Second Semester</b>	<b>51,814</b>	<b>83,761</b>	<b>12,459</b>	<b>75</b>	<b>29,214</b>	<b>177,323</b>	<b>679</b>	<b>178,002</b>	<b>189,385</b>	<b>94%</b>

\* 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	130	29,831	30,331	98%
Feb	13,503	19,066	3,651	2	4,984	41,206	255	41,461	44,852	92%
Mar	8,253	19,261	3,329	0	4,495	35,338	173	35,511	38,461	92%
Apr	6,344	19,475	2,159		3,572	31,550	394	31,944	35,116	91%
May	5,170	17,418	1,307	6	2,553	26,454	199	26,653	26,674	100%
Jun	9,016	13,451	2,955	10	2,316	27,747	107	27,854	27,934	100%
Jul	8,632	13,121	2,292	47	1,167	25,259	71	25,331	25,331	100%
Aug	8,647	28,384	2,624	196	902	40,753	90	40,843	41,503	98%
Sep	11,519	26,014	3,102		1,007	41,642	174	41,817	50,935	82%
Oct	9,736	28,206	3,112		3,360	44,415	201	44,615	49,665	90%
Nov	6,135	15,321	2,557	0	2,126	26,139	72	26,211	29,302	89%
Dec	3,163	10,897	749		1,029	15,837	84	15,921	15,921	100%
<b>Annual</b>	<b>101,798</b>	<b>221,304</b>	<b>30,569</b>	<b>272</b>	<b>32,100</b>	<b>386,042</b>	<b>1,950</b>	<b>387,992</b>	<b>416,024</b>	<b>93%</b>
<b>Quarter 1</b>	33,437	49,016	9,711	14	14,067	106,245	558	106,803	113,645	94%
<b>Quarter 2</b>	20,530	50,345	6,421	16	8,441	85,752	699	86,451	89,723	96%
<b>Quarter 3</b>	28,798	67,519	8,019	243	3,076	107,654	336	107,990	117,769	92%
<b>Quarter 4</b>	19,033	54,424	6,418	0	6,515	86,391	357	86,748	94,888	91%
<b>First Semester</b>	<b>53,967</b>	<b>99,361</b>	<b>16,132</b>	<b>29</b>	<b>22,508</b>	<b>191,997</b>	<b>1,257</b>	<b>193,254</b>	<b>203,368</b>	<b>95%</b>
<b>Second Semester</b>	<b>47,831</b>	<b>121,943</b>	<b>14,437</b>	<b>243</b>	<b>9,591</b>	<b>194,045</b>	<b>692</b>	<b>194,738</b>	<b>212,657</b>	<b>92%</b>

\* 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 29/06/2022)

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%
<b>Annual Total</b>	<b>2,662</b>	<b>6,252</b>	<b>777</b>	<b>0</b>	<b>0</b>	<b>9,691</b>	<b>1</b>	<b>9,692</b>	<b>353,271</b>	<b>3%</b>
<b>Quarter 1</b>	<b>910</b>	<b>2,569</b>	<b>285</b>	<b>0</b>	<b>0</b>	<b>3,764</b>	<b>1</b>	<b>3,765</b>	<b>87,404</b>	<b>4%</b>
<b>Quarter 2</b>	<b>205</b>	<b>510</b>	<b>164</b>	<b>0</b>	<b>0</b>	<b>878</b>	<b>0</b>	<b>878</b>	<b>76,482</b>	<b>1%</b>
<b>Quarter 3</b>	<b>701</b>	<b>1,220</b>	<b>128</b>	<b>0</b>	<b>0</b>	<b>2,050</b>	<b>0</b>	<b>2,050</b>	<b>92,160</b>	<b>2%</b>
<b>Quarter 4</b>	<b>847</b>	<b>1,953</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>2,999</b>	<b>0</b>	<b>2,999</b>	<b>97,225</b>	<b>3%</b>
<b>First Semester</b>	<b>1,115</b>	<b>3,078</b>	<b>449</b>	<b>0</b>	<b>0</b>	<b>4,642</b>	<b>1</b>	<b>4,643</b>	<b>163,887</b>	<b>3%</b>
<b>Second Semester</b>	<b>1,547</b>	<b>3,173</b>	<b>328</b>	<b>0</b>	<b>0</b>	<b>5,049</b>	<b>0</b>	<b>5,049</b>	<b>189,385</b>	<b>3%</b>

\* 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	30,331	0%
Feb	339	1,098	115			1,552		1,552	44,852	3%
Mar	655	1,395	274			2,324		2,324	38,461	6%
Apr	407	944	74			1,425		1,425	35,116	4%
May						0		0	26,674	0%
Jun						0		0	27,934	0%
Jul						0		0	25,331	0%
Aug						0		0	41,503	0%
Sep	2,085	5,602	381			8,069		8,069	50,935	16%
Oct	800	1,752	39			2,591		2,591	49,665	5%
Nov	327	865	41			1,233		1,233	29,302	4%
Dec						0		0	15,921	0%
<b>Annual Total</b>	<b>4,613</b>	<b>11,657</b>	<b>924</b>	<b>0</b>	<b>0</b>	<b>17,193</b>	<b>0</b>	<b>17,193</b>	<b>416,024</b>	<b>4%</b>
<b>Quarter 1</b>	<b>994</b>	<b>2,493</b>	<b>389</b>	<b>0</b>	<b>0</b>	<b>3,876</b>	<b>0</b>	<b>3,876</b>	<b>113,645</b>	<b>3%</b>
<b>Quarter 2</b>	<b>407</b>	<b>944</b>	<b>74</b>	<b>0</b>	<b>0</b>	<b>1,425</b>	<b>0</b>	<b>1,425</b>	<b>89,723</b>	<b>2%</b>
<b>Quarter 3</b>	<b>2,085</b>	<b>5,602</b>	<b>381</b>	<b>0</b>	<b>0</b>	<b>8,069</b>	<b>0</b>	<b>8,069</b>	<b>117,769</b>	<b>7%</b>
<b>Quarter 4</b>	<b>1,127</b>	<b>2,617</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>3,824</b>	<b>0</b>	<b>3,824</b>	<b>94,888</b>	<b>4%</b>
<b>First Semester</b>	<b>1,400</b>	<b>3,438</b>	<b>463</b>	<b>0</b>	<b>0</b>	<b>5,301</b>	<b>0</b>	<b>5,301</b>	<b>203,368</b>	<b>3%</b>
<b>Second Semester</b>	<b>3,212</b>	<b>8,219</b>	<b>461</b>	<b>0</b>	<b>0</b>	<b>11,893</b>	<b>0</b>	<b>11,893</b>	<b>212,657</b>	<b>6%</b>

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

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

(Database Closed on 29/06/2022)

**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%
<b>Annual Total</b>	<b>2,356</b>	<b>2,143</b>	<b>453</b>	<b>2</b>	<b>1,099</b>	<b>6,053</b>	<b>89</b>	<b>6,142</b>	<b>353,271</b>	<b>2%</b>
<b>Quarter 1</b>	420	809	140	0	0	1,369	33	1,402	87,404	2%
<b>Quarter 2</b>	299	434	14	0	18	764	5	769	76,482	1%
<b>Quarter 3</b>	1,089	242	135	2	0	1,468	27	1,495	92,160	2%
<b>Quarter 4</b>	548	658	164	0	1,081	2,452	24	2,476	97,225	3%
<b>First Semester</b>	<b>719</b>	<b>1,242</b>	<b>154</b>	<b>0</b>	<b>18</b>	<b>2,133</b>	<b>38</b>	<b>2,171</b>	<b>163,887</b>	<b>1%</b>
<b>Second Semester</b>	<b>1,637</b>	<b>901</b>	<b>300</b>	<b>2</b>	<b>1,081</b>	<b>3,920</b>	<b>51</b>	<b>3,971</b>	<b>189,385</b>	<b>2%</b>

\* 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	20	501	30,331	2%
Feb	1,178	596	64			1,838	1	1,839	44,852	4%
Mar	143	388	95		1	626		626	38,461	2%
Apr	201	809	75			1,085		1,085	35,116	3%
May	9	10	1			20	0	21	26,674	0%
Jun	76		4			80		80	27,934	0%
Jul						0		0	25,331	0%
Aug	135	487	29			650	10	660	41,503	2%
Sep	396	581	61			1,038	12	1,050	50,935	2%
Oct	481	1,809	104			2,394	65	2,459	49,665	5%
Nov	306	1,486	65			1,857		1,857	29,302	6%
Dec						0		0	15,921	0%
<b>Annual Total</b>	<b>3,017</b>	<b>6,509</b>	<b>543</b>	<b>0</b>	<b>1</b>	<b>10,070</b>	<b>108</b>	<b>10,178</b>	<b>416,024</b>	<b>2%</b>
<b>Quarter 1</b>	1,413	1,327	203	0	1	2,945	21	2,966	113,645	3%
<b>Quarter 2</b>	286	819	80	0	0	1,186	0	1,186	89,723	1%
<b>Quarter 3</b>	531	1,068	90	0	0	1,688	21	1,710	117,769	1%
<b>Quarter 4</b>	787	3,295	169	0	0	4,251	65	4,316	94,888	5%
<b>First Semester</b>	<b>1,699</b>	<b>2,146</b>	<b>284</b>	<b>0</b>	<b>1</b>	<b>4,130</b>	<b>22</b>	<b>4,152</b>	<b>203,368</b>	<b>2%</b>
<b>Second Semester</b>	<b>1,318</b>	<b>4,363</b>	<b>259</b>	<b>0</b>	<b>0</b>	<b>5,940</b>	<b>87</b>	<b>6,026</b>	<b>212,657</b>	<b>3%</b>

\* 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 29/06/2022)

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)	Bigeeye (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%
<b>Annual Total</b>	<b>274</b>	<b>279</b>	<b>1</b>	<b>0</b>	<b>1,810</b>	<b>2,364</b>	<b>0</b>	<b>2,364</b>	<b>353,271</b>	<b>1%</b>
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 ,South Korea and Abidjan

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)	Bigeeye (Mt)	Albacore (Mt)	Mix Species (Mt)					
Jan						0		0	30,331	0%
Feb						0		0	44,852	0%
Mar						0		0	38,461	0%
Apr	477	168	17			661		661	35,116	2%
May						0		0	26,674	0%
Jun						0		0	27,934	0%
Jul						0		0	25,331	0%
Aug						0		0	41,503	0%
Sep						0		0	50,935	0%
Oct						0		0	49,665	0%
Nov						0		0	29,302	0%
Dec						0		0	15,921	0%
<b>Annual Total</b>	<b>477</b>	<b>168</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>661</b>	<b>0</b>	<b>661</b>	<b>416,024</b>	<b>0%</b>
Quarter 1	0	0	0	0	0	0	0	0	113,645	0%
Quarter 2	477	168	17	0	0	661	0	661	89,723	1%
Quarter 3	0	0	0	0	0	0	0	0	117,769	0%
Quarter 4	0	0	0	0	0	0	0	0	94,888	0%
First Semester	477	168	17	0	0	661	0	661	203,368	0%
Second Semester	0	0	0	0	0	0	0	0	212,657	0%

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



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

(Database Closed on 29/06/2022)

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
<b>Annual Total</b>	<b>14,972</b>	<b>10,649</b>	<b>22,908</b>	<b>6,684</b>	<b>55,213</b>	<b>89,646</b>	<b>127,914</b>	<b>30,517</b>	<b>31,785</b>	<b>279,861</b>	<b>104,617</b>	<b>138,562</b>	<b>53,425</b>	<b>38,469</b>	<b>335,074</b>
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
<b>Semester 1</b>	<b>8,194</b>	<b>5,169</b>	<b>12,932</b>	<b>3,841</b>	<b>30,136</b>	<b>41,369</b>	<b>55,044</b>	<b>14,180</b>	<b>16,344</b>	<b>126,936</b>	<b>49,564</b>	<b>60,213</b>	<b>27,112</b>	<b>20,185</b>	<b>157,072</b>
<b>Semester 2</b>	<b>6,778</b>	<b>5,480</b>	<b>9,977</b>	<b>2,843</b>	<b>25,077</b>	<b>48,276</b>	<b>72,870</b>	<b>16,337</b>	<b>15,441</b>	<b>152,925</b>	<b>55,054</b>	<b>78,350</b>	<b>26,314</b>	<b>18,284</b>	<b>178,002</b>

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	2,613	881	4,724	4,980	12,223	3,279	4,625	25,107	5,021	13,412	5,892	5,506	29,831
Feb	670	776	1,492	735	3,673	13,796	13,956	5,901	4,135	37,788	14,466	14,733	7,392	4,870	41,461
Mar	441	864	3,340	1,094	5,739	7,018	15,900	3,217	3,637	29,772	7,460	16,763	6,557	4,731	35,511
Apr	2,176	217	1,437	2,795	6,625	8,209	11,977	2,824	2,309	25,319	10,385	12,194	4,261	5,104	31,944
May	2,721		2,030		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	374	2,072	1,363	5,264	6,583	11,573	1,898	2,536	22,589	8,038	11,947	3,970	3,899	27,854
Jul	947	1,324	2,545	119	4,934	6,523	8,566	2,381	2,927	20,397	7,469	9,890	4,926	3,046	25,331
Aug	2,159	1,729	2,434	1,591	7,914	10,213	18,042	2,282	2,392	32,929	12,373	19,771	4,717	3,982	40,843
Sep	582	102	1,647	393	2,725	12,228	20,766	3,699	2,399	39,092	12,810	20,867	5,347	2,793	41,817
Oct	3,512	1,894	2,405	875	8,686	10,544	14,934	6,601	3,852	35,930	14,056	16,828	9,005	4,727	44,615
Nov	1,289	1,806	770	1,002	4,867	5,536	7,351	4,871	3,586	21,344	6,826	9,157	5,641	4,588	26,211
Dec			1,069	1,320	2,389	3,227	1,029	5,401	3,875	13,532	3,227	1,029	6,470	5,195	15,921
<b>Annual Total</b>	<b>15,993</b>	<b>10,275</b>	<b>23,853</b>	<b>12,169</b>	<b>62,291</b>	<b>97,070</b>	<b>147,047</b>	<b>44,285</b>	<b>37,298</b>	<b>325,701</b>	<b>113,063</b>	<b>157,323</b>	<b>68,139</b>	<b>49,468</b>	<b>387,992</b>
Quarter 1	1,152	2,829	7,445	2,710	14,136	25,794	42,079	12,397	12,397	92,667	26,946	44,908	19,842	15,107	106,803
Quarter 2	6,352	591	5,539	4,159	16,641	23,005	34,282	6,653	5,871	69,810	29,357	34,873	12,192	10,030	86,451
Quarter 3	3,688	3,155	6,626	2,103	15,572	28,964	47,373	8,363	7,718	92,418	32,652	50,528	14,989	9,821	107,990
Quarter 4	4,801	3,700	4,243	3,197	15,942	19,307	23,314	16,873	11,312	70,806	24,108	27,014	21,116	14,510	86,748
<b>Semester 1</b>	<b>7,503</b>	<b>3,420</b>	<b>12,984</b>	<b>6,869</b>	<b>30,777</b>	<b>48,799</b>	<b>76,360</b>	<b>19,050</b>	<b>18,268</b>	<b>162,477</b>	<b>56,303</b>	<b>79,781</b>	<b>32,034</b>	<b>25,137</b>	<b>193,254</b>
<b>Semester 2</b>	<b>8,489</b>	<b>6,855</b>	<b>10,870</b>	<b>5,300</b>	<b>31,514</b>	<b>48,271</b>	<b>70,687</b>	<b>25,235</b>	<b>19,031</b>	<b>163,224</b>	<b>56,760</b>	<b>77,542</b>	<b>36,105</b>	<b>24,331</b>	<b>194,738</b>

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

(Database Closed on 29/06/2022)

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)			
<b>Landing (Mt)</b>	Local Company	Quarter 1													0
		Quarter 2													0
		Quarter 3													0
		Quarter 4													0
	<b>Local Company Total</b>														0
IOT	Quarter 1	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	
<b>IOT Landing Total</b>		<b>7,410</b>	<b>12,935</b>	<b>3,483</b>	<b>2,686</b>	<b>7,937</b>	<b>8,621</b>	<b>1,951</b>	<b>1,229</b>	<b>275</b>	<b>776</b>	<b>66</b>	<b>5,923</b>	<b>53,291</b>	
<b>Landing Total</b>		<b>7,410</b>	<b>12,935</b>	<b>3,483</b>	<b>2,686</b>	<b>7,937</b>	<b>8,621</b>	<b>1,951</b>	<b>1,229</b>	<b>275</b>	<b>776</b>	<b>66</b>	<b>5,923</b>	<b>53,291</b>	
<b>Transshipment (Mt)</b>	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
	<b>Container Total</b>		<b>14,561</b>	<b>19,976</b>	<b>20,504</b>	<b>6,705</b>	<b>28,199</b>	<b>21,213</b>	<b>45,278</b>	<b>5,248</b>	<b>2,026</b>	<b>7,960</b>	<b>31</b>	<b>36,204</b>	<b>207,905</b>
	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
<b>Reefer Total</b>		<b>6,529</b>	<b>3,253</b>	<b>5,065</b>	<b>4,531</b>	<b>13,973</b>	<b>10,943</b>	<b>15,225</b>	<b>1,794</b>	<b>600</b>	<b>1,857</b>	<b>0</b>	<b>8,182</b>	<b>71,953</b>	
<b>Transshipment Total</b>		<b>21,090</b>	<b>23,229</b>	<b>25,569</b>	<b>11,236</b>	<b>42,172</b>	<b>32,156</b>	<b>60,504</b>	<b>7,042</b>	<b>2,626</b>	<b>9,817</b>	<b>31</b>	<b>44,386</b>	<b>279,858</b>	
<b>Total (Mt)</b>	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	
<b>Year Total</b>		<b>28,501</b>	<b>36,165</b>	<b>29,052</b>	<b>13,922</b>	<b>50,108</b>	<b>40,777</b>	<b>62,455</b>	<b>8,271</b>	<b>2,901</b>	<b>10,593</b>	<b>97</b>	<b>50,309</b>	<b>333,149</b>	

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

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

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)			
<b>Landing (Mt)</b>	Local Company	Quarter 1													0
		Quarter 2													0
		Quarter 3													0
		Quarter 4													0
	<b>Local Company Total</b>														<b>0</b>
IOT	IOT	Quarter 1	1,997	2,733	26	1,018	2,178	1,653	98	1,085	85	51	0	2,655	<b>13,578</b>
		Quarter 2	2,039	2,787	91	647	6,918	1,990	119	739	220	7	10	374	<b>15,941</b>
		Quarter 3	1,826	2,882	331	1,315	5,693	1,064	451	496	99	12	165	902	<b>15,236</b>
		Quarter 4	1,783	2,179	890	645	6,201	1,725	1,707	260	115	80	0		<b>15,585</b>
	<b>IOT Landing Total</b>		<b>7,645</b>	<b>10,582</b>	<b>1,338</b>	<b>3,626</b>	<b>20,990</b>	<b>6,432</b>	<b>2,374</b>	<b>2,581</b>	<b>519</b>	<b>150</b>	<b>175</b>	<b>3,931</b>	<b>60,341</b>
<b>Landing Total</b>															
<b>Transshipment (Mt)</b>	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	<b>64,815</b>
		Quarter 2	1,602	5,078	5,694	2,134	9,975	2,085	13,700	1,113	726	2,410	6	7,485	<b>52,008</b>
		Quarter 3	3,551	6,849	9,237	3,233	19,340	4,046	16,700	2,028	709	2,801	71	2,165	<b>70,731</b>
		Quarter 4	2,882	5,008	2,412	1,605	16,118	3,789	7,030	1,467	1,795	1,222		6,515	<b>49,842</b>
	<b>Container Total</b>		<b>10,739</b>	<b>28,552</b>	<b>24,653</b>	<b>8,210</b>	<b>52,033</b>	<b>13,113</b>	<b>53,105</b>	<b>6,506</b>	<b>4,406</b>	<b>9,829</b>	<b>80</b>	<b>26,170</b>	<b>237,396</b>
	Reefer	Quarter 1	1,713	3,906	1,430	2,129	6,981	4,206	4,047	1,145	486	390	11	1,408	<b>27,852</b>
		Quarter 2	1,768	818	654	846	6,700	2,177	3,054	777	270	157		582	<b>17,803</b>
		Quarter 3	1,446	897	1,778	1,252	7,078	1,886	5,460	791	163	920	7	9	<b>21,686</b>
		Quarter 4	2,769	641	469	2,031	9,896	2,956	722	971	121	388		0	<b>20,963</b>
<b>Reefer Total</b>		<b>7,697</b>	<b>6,262</b>	<b>4,331</b>	<b>6,259</b>	<b>30,655</b>	<b>11,225</b>	<b>13,282</b>	<b>3,683</b>	<b>1,040</b>	<b>1,855</b>	<b>18</b>	<b>1,998</b>	<b>88,305</b>	
<b>Transshipment Total</b>															
<b>Total (Mt)</b>															
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	<b>106,245</b>	
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	<b>85,752</b>	
Quarter 3		6,823	10,628	11,346	5,801	32,111	6,996	22,611	3,315	971	3,733	243	3,076	<b>107,654</b>	
Quarter 4		7,434	7,828	3,771	4,281	32,214	8,470	9,459	2,698	2,031	1,689	0	6,515	<b>86,391</b>	
<b>Year Total</b>			<b>26,081</b>	<b>45,395</b>	<b>30,322</b>	<b>18,094</b>	<b>103,678</b>	<b>30,769</b>	<b>68,762</b>	<b>12,770</b>	<b>5,965</b>	<b>11,834</b>	<b>272</b>	<b>32,100</b>	<b>386,042</b>

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

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

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

(Database Closed on 29/06/2022)

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
	<b>National Total</b>		<b>1,697</b>	<b>3,961</b>	<b>877</b>	<b>1,295</b>	<b>2,658</b>	<b>2,508</b>	<b>1,185</b>	<b>307</b>	<b>51</b>	<b>39</b>	<b>1</b>	<b>7</b>	<b>14,585</b>	
	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
	<b>EU Agreement Total</b>		<b>5,326</b>	<b>7,175</b>	<b>2,606</b>	<b>1,287</b>	<b>5,033</b>	<b>5,667</b>	<b>766</b>	<b>886</b>	<b>209</b>	<b>737</b>	<b>61</b>	<b>5,916</b>	<b>35,669</b>	
	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
	<b>Others Total</b>		<b>388</b>	<b>1,799</b>		<b>104</b>	<b>246</b>	<b>446</b>		<b>36</b>	<b>14</b>		<b>4</b>		<b>3,037</b>	
	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
	<b>Landing Total</b>		<b>7,410</b>	<b>12,935</b>	<b>3,483</b>	<b>2,686</b>	<b>7,937</b>	<b>8,621</b>	<b>1,951</b>	<b>1,229</b>	<b>275</b>	<b>776</b>	<b>66</b>	<b>5,923</b>	<b>53,291</b>	
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
	<b>National Total</b>		<b>11,889</b>	<b>7,583</b>	<b>2,175</b>	<b>7,995</b>	<b>23,582</b>	<b>20,200</b>	<b>7,415</b>	<b>4,822</b>	<b>1,392</b>	<b>2,472</b>		<b>116</b>	<b>89,642</b>	
	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
	<b>EU Agreement Total</b>		<b>5,354</b>	<b>11,865</b>	<b>23,394</b>	<b>2,228</b>	<b>13,261</b>	<b>8,005</b>	<b>51,792</b>	<b>1,500</b>	<b>989</b>	<b>7,345</b>	<b>31</b>	<b>33,592</b>	<b>159,356</b>	
	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
	<b>Others Total</b>		<b>3,848</b>	<b>3,780</b>		<b>1,013</b>	<b>5,328</b>	<b>3,952</b>	<b>1,297</b>	<b>720</b>	<b>245</b>			<b>10,677</b>	<b>30,860</b>	
	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
	<b>Transshipment Total</b>		<b>21,090</b>	<b>23,229</b>	<b>25,569</b>	<b>11,236</b>	<b>42,172</b>	<b>32,156</b>	<b>60,504</b>	<b>7,042</b>	<b>2,626</b>	<b>9,817</b>	<b>31</b>	<b>44,386</b>	<b>279,858</b>	
<b>Year Total</b>		<b>28,501</b>	<b>36,165</b>	<b>29,052</b>	<b>13,922</b>	<b>50,108</b>	<b>40,777</b>	<b>62,455</b>	<b>8,271</b>	<b>2,901</b>	<b>10,593</b>	<b>97</b>	<b>50,309</b>	<b>333,149</b>		

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

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

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	393	1,078		209	1,411	275		137	30				3,533	10,478
		Quarter 4	787	476		289	2,001	972		51	32				4,608	15,085
	<b>National Total</b>		<b>2,198</b>	<b>2,215</b>		<b>819</b>	<b>7,209</b>	<b>2,023</b>		<b>534</b>	<b>88</b>				<b>15,085</b>	
	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	1,232	1,569	331	1,047	3,558	633	451	326	55	12	165	902	10,281	29,418
		Quarter 4	670	1,496	890	188	2,508	431	1,707	100	83	80			8,152	37,570
	<b>EU Agreement Total</b>		<b>4,344</b>	<b>7,191</b>	<b>1,338</b>	<b>2,483</b>	<b>10,338</b>	<b>3,181</b>	<b>2,374</b>	<b>1,663</b>	<b>401</b>	<b>150</b>	<b>174</b>	<b>3,931</b>	<b>37,570</b>	
	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	201	235		60	724	155		33	14				1,423	4,860
		Quarter 4	325	207		168	1,692	322		109	1		0		2,826	7,686
	<b>Others Total</b>		<b>1,103</b>	<b>1,176</b>		<b>324</b>	<b>3,442</b>	<b>1,227</b>		<b>383</b>	<b>30</b>		<b>0</b>		<b>7,686</b>	
	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		1,826	2,882	331	1,315	5,693	1,064	451	496	99	12	165	902	15,236	44,756	
Quarter 4		1,783	2,179	890	645	6,201	1,725	1,707	260	115	80	0	0	15,585	60,341	
<b>Landing Total</b>		<b>7,645</b>	<b>10,582</b>	<b>1,338</b>	<b>3,626</b>	<b>20,990</b>	<b>6,432</b>	<b>2,374</b>	<b>2,581</b>	<b>519</b>	<b>150</b>	<b>175</b>	<b>3,931</b>	<b>60,341</b>		
Transshipment	National	Quarter 1	1,608	4,717	589	2,465	7,646	4,095	1,856	1,768	671	380			25,794	25,794
		Quarter 2	2,324	2,312	312	1,493	10,625	3,088	1,024	1,159	442	220	6		23,005	48,799
		Quarter 3	3,530	3,025		2,208	13,634	4,396		1,746	410		13		28,964	77,763
		Quarter 4	2,425	2,032		1,783	7,895	3,494		1,423	255				19,307	97,070
	<b>National Total</b>		<b>9,888</b>	<b>12,086</b>	<b>901</b>	<b>7,949</b>	<b>39,801</b>	<b>15,073</b>	<b>2,879</b>	<b>6,095</b>	<b>1,778</b>	<b>600</b>	<b>19</b>		<b>97,070</b>	
	EU Agreement	Quarter 1	1,995	7,440	8,151	645	4,195	2,398	17,866	760	797	3,407	14	7,996	55,663	55,663
		Quarter 2	850	2,841	5,519	1,361	5,232	994	14,614	611	542	2,347		6,025	40,934	96,598
		Quarter 3	1,180	3,061	11,016	2,200	9,315	1,245	22,160	943	412	3,721	65	623	55,941	152,539
		Quarter 4	2,572	3,011	2,824	1,062	14,219	2,631	7,752	790	1,661	1,585		2,997	41,104	193,643
	<b>EU Agreement Total</b>		<b>6,596</b>	<b>16,353</b>	<b>27,510</b>	<b>5,268</b>	<b>32,960</b>	<b>7,268</b>	<b>62,393</b>	<b>3,103</b>	<b>3,412</b>	<b>11,060</b>	<b>78</b>	<b>17,641</b>	<b>193,643</b>	
	Others	Quarter 1	815	3,366		257	1,740	906		515	193			3,417	11,209	11,209
		Quarter 2	196	743	516	127	819	180	1,115	121	13			2,042	5,871	17,080
		Quarter 3	287	1,660		77	3,468	290		130	49			1,551	7,513	24,593
		Quarter 4	654	606	57	791	3,900	620		225	0	24		3,518	10,395	34,988
	<b>Others Total</b>		<b>1,951</b>	<b>6,375</b>	<b>573</b>	<b>1,252</b>	<b>9,927</b>	<b>1,997</b>	<b>1,115</b>	<b>991</b>	<b>255</b>	<b>24</b>		<b>10,528</b>	<b>34,988</b>	
	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		4,997	7,746	11,016	4,485	26,418	5,932	22,160	2,819	872	3,721	78	2,174	92,418	254,895	
Quarter 4		5,651	5,649	2,881	3,636	26,013	6,745	7,752	2,438	1,916	1,609	0	6,515	70,806	325,701	
<b>Transshipment Total</b>		<b>18,436</b>	<b>34,814</b>	<b>28,984</b>	<b>14,469</b>	<b>82,688</b>	<b>24,338</b>	<b>66,388</b>	<b>10,189</b>	<b>5,446</b>	<b>11,684</b>	<b>98</b>	<b>28,168</b>	<b>325,701</b>		
<b>Year Total</b>		<b>26,081</b>	<b>45,395</b>	<b>30,322</b>	<b>18,094</b>	<b>103,678</b>	<b>30,769</b>	<b>68,762</b>	<b>12,770</b>	<b>5,965</b>	<b>11,834</b>	<b>272</b>	<b>32,100</b>	<b>386,042</b>		

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

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

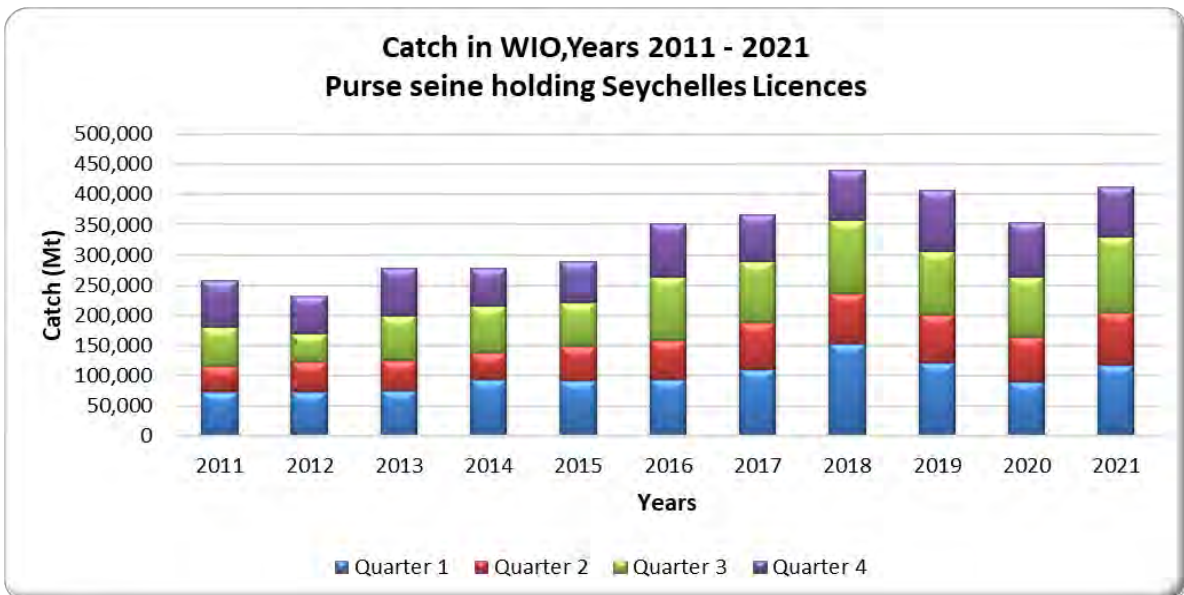


Figure 1A: Purse Seine total catch in the WIO by Year, 2011 - 2021

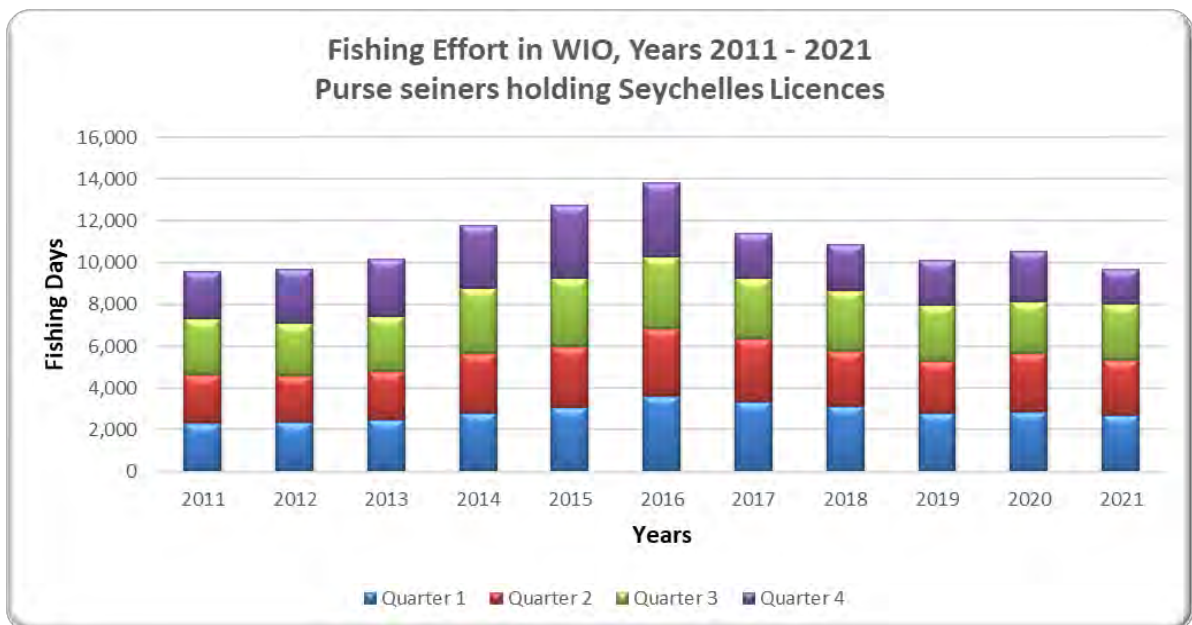


Figure 1B: Purse Seine fishing effort in the WIO by Year, 2011 - 2021

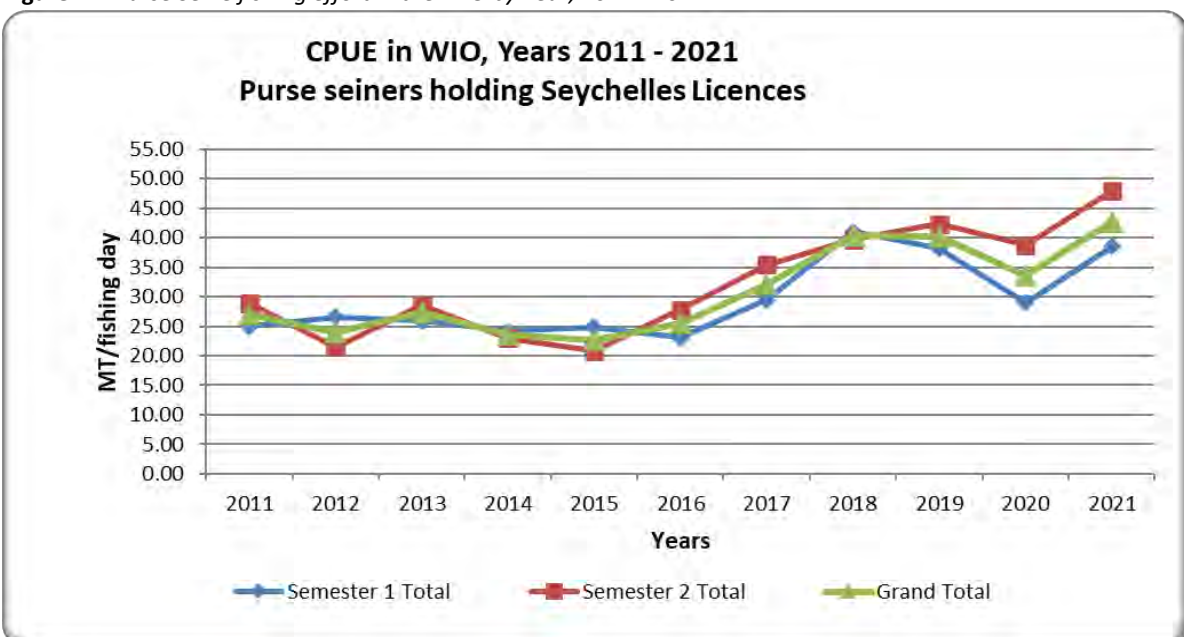


Figure 1C: Purse Seine CPUE in the WIO by Year, 2011 - 2021

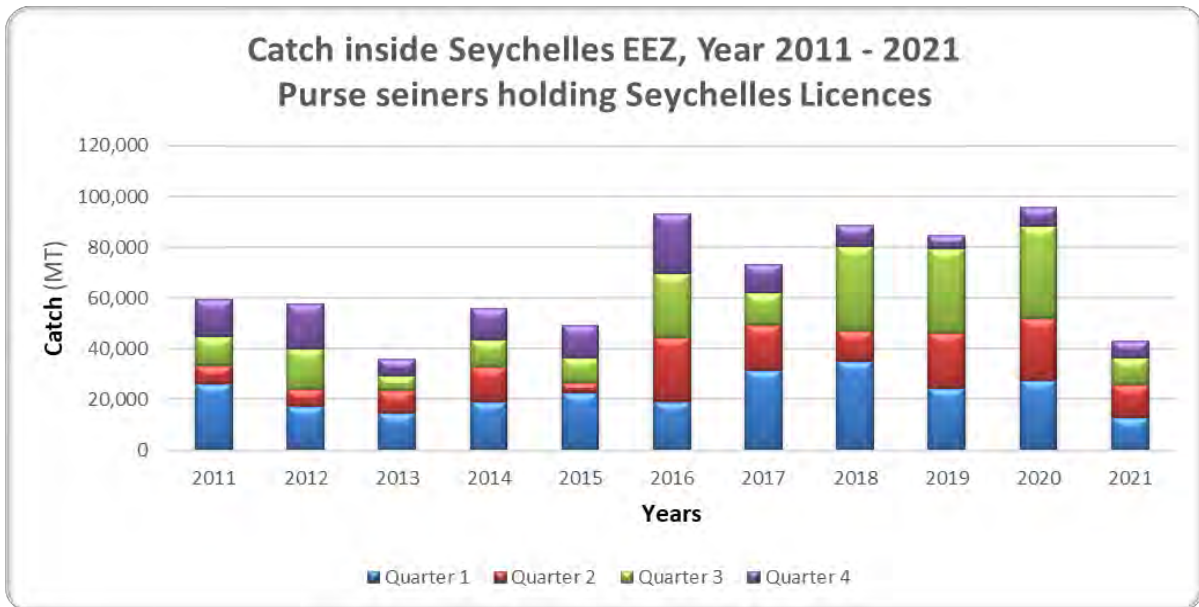


Figure 1D: Purse Seine total catch in the Seychelles EEZ by Year, 2011 - 2021

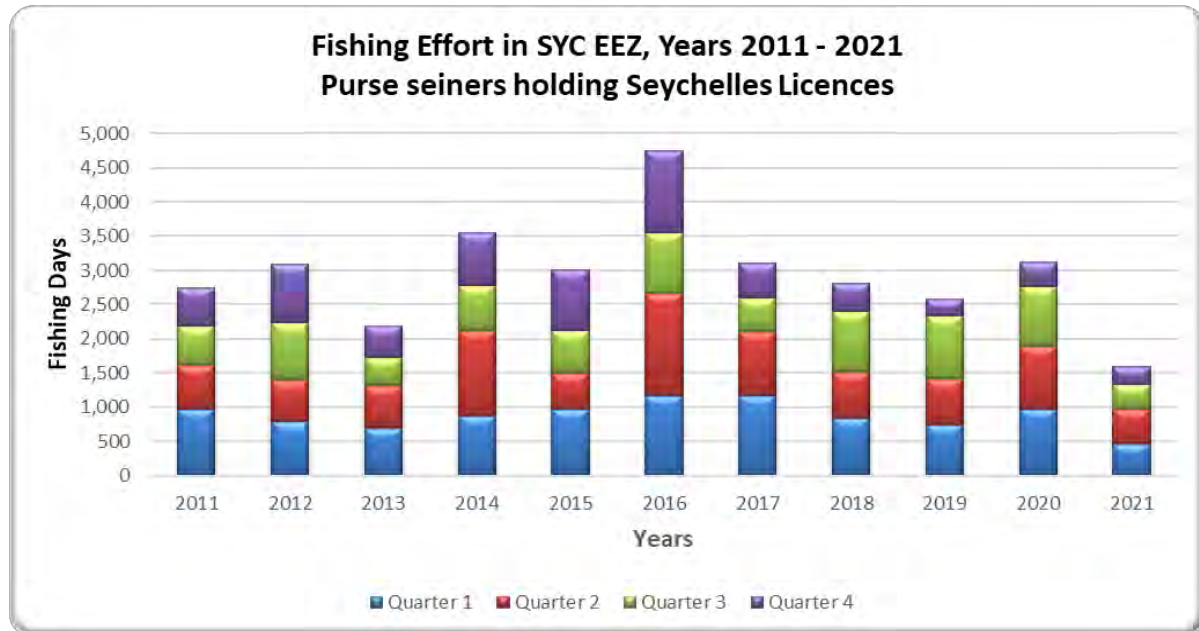


Figure 1E: Purse Seine fishing effort in the Seychelles EEZ by Year, 2011 - 2021

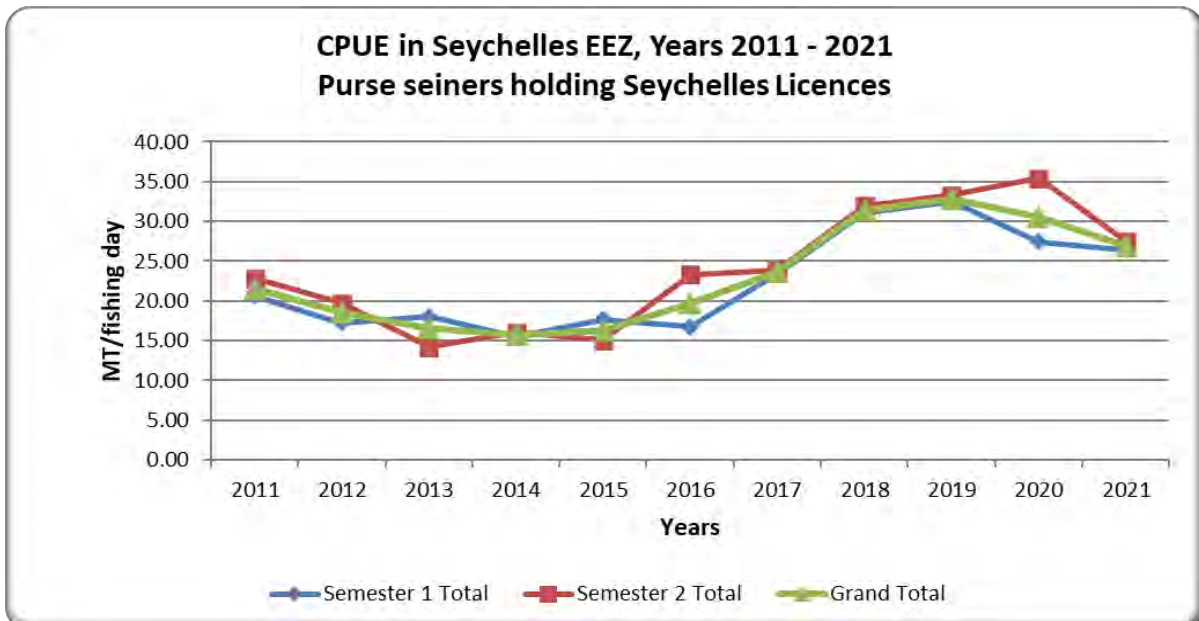


Figure 1F: Purse Seine CPUE in the Seychelles EEZ by Year, 2011 - 2021

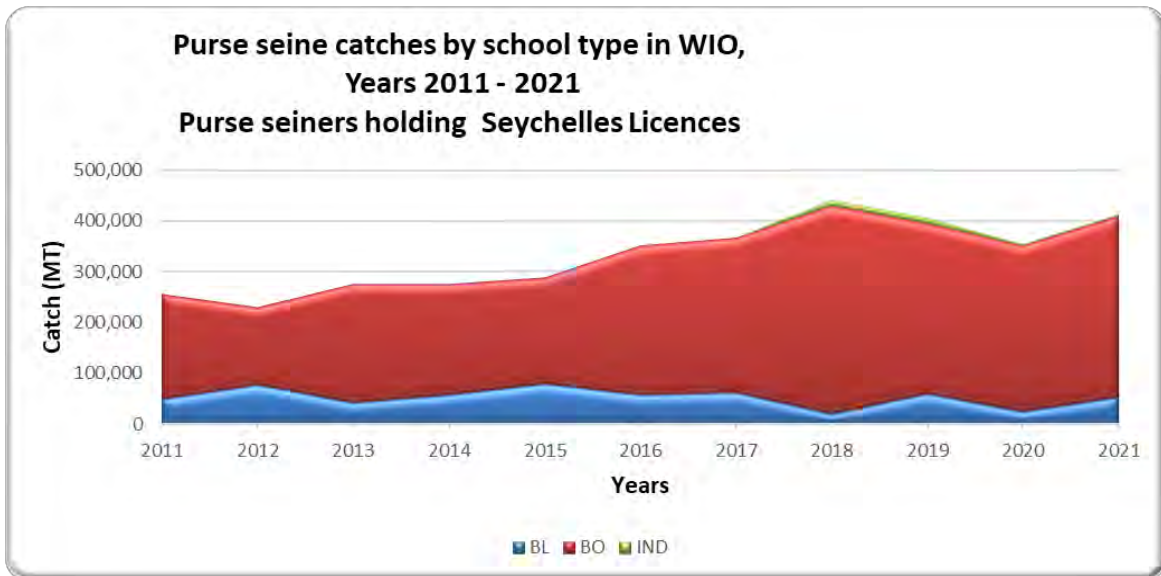


Figure 1G: Purse Seine catches by school type in WIO, Years 2011 - 2021

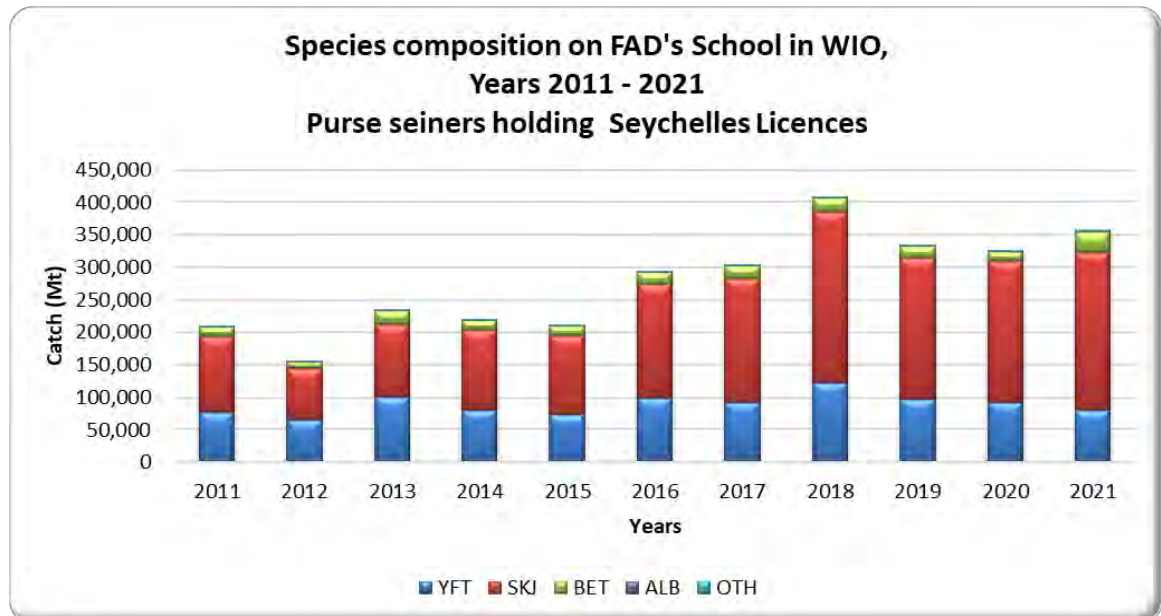


Figure 1H: Purse Seine species composition on FAD's associated school, Years 2011 - 2021

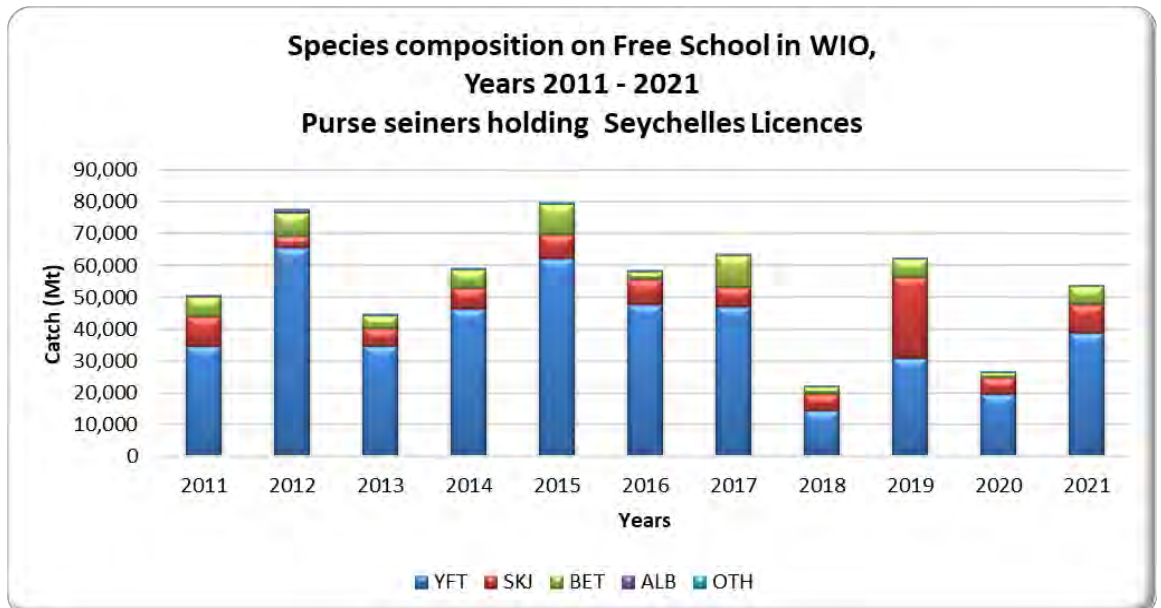


Figure 1I: Purse Seine species composition on free school, years 2011 - 2021



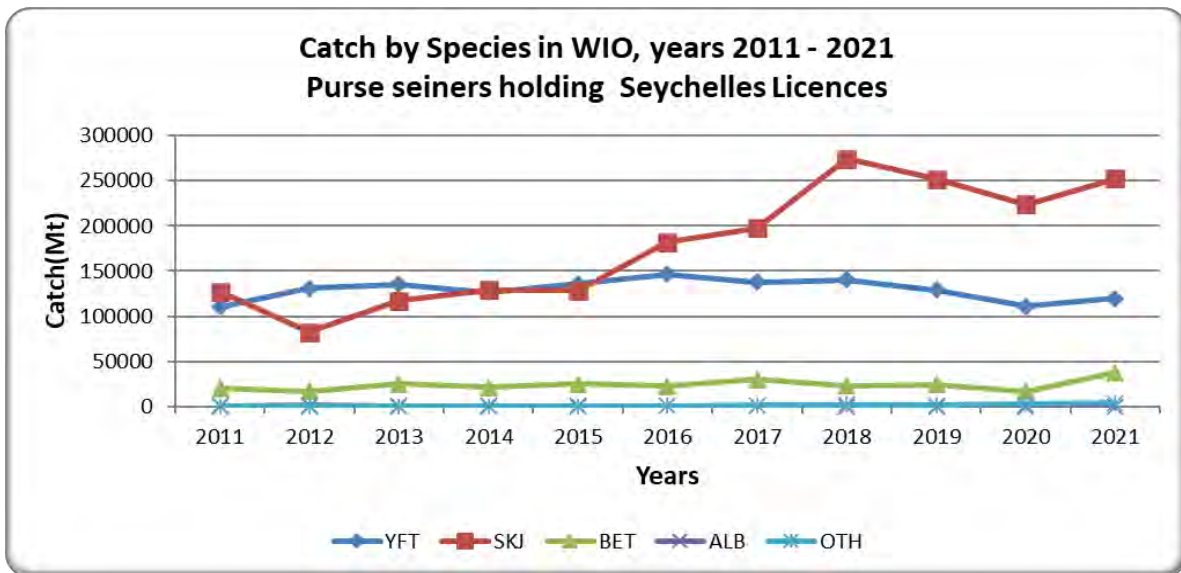


Figure 1J: Purse Seine catch by species in WIO, Years 2011 - 2021

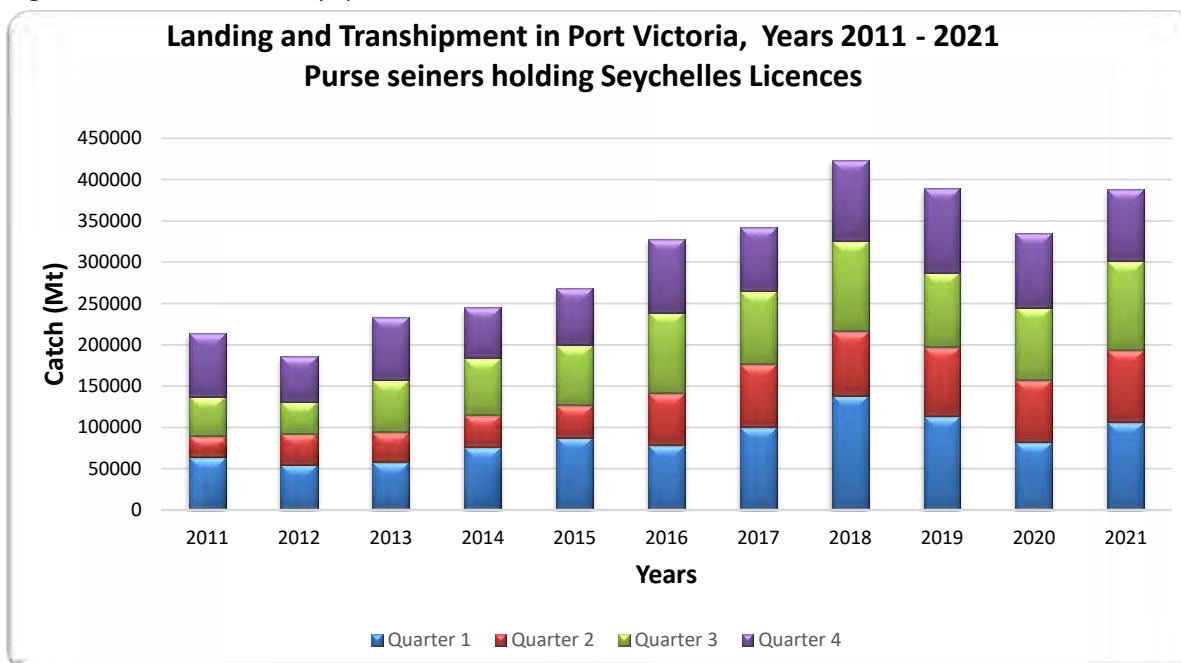


Figure 1K: Purse Seine landing and transhipment in port Victoria, Years 2011 - 2021

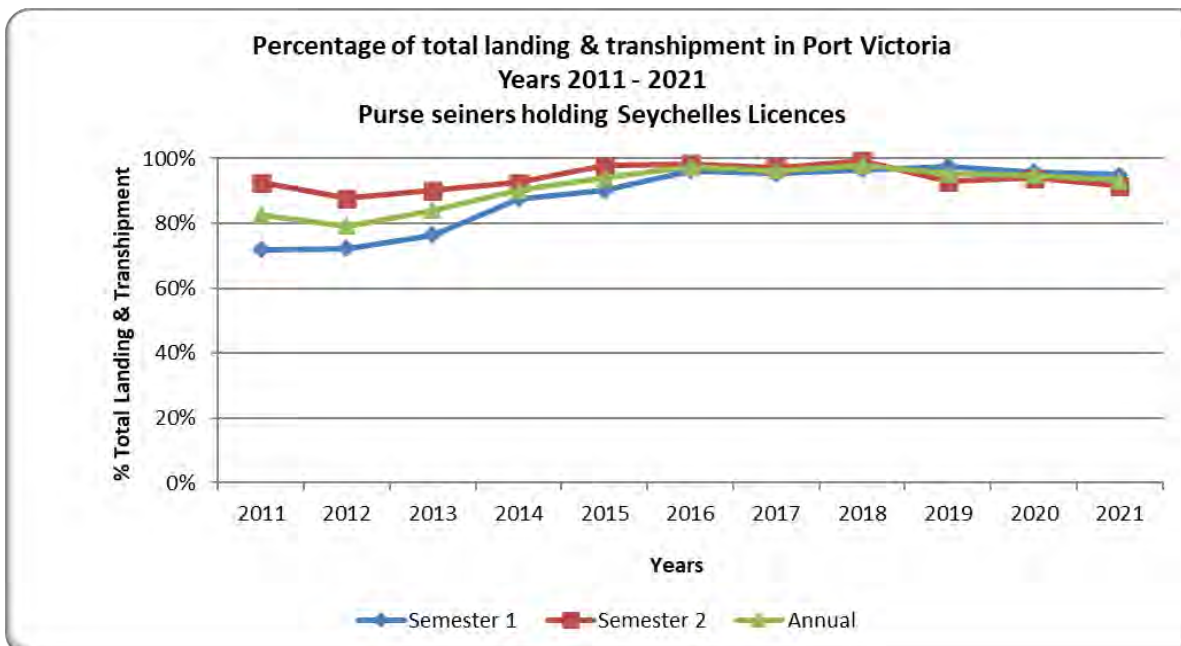
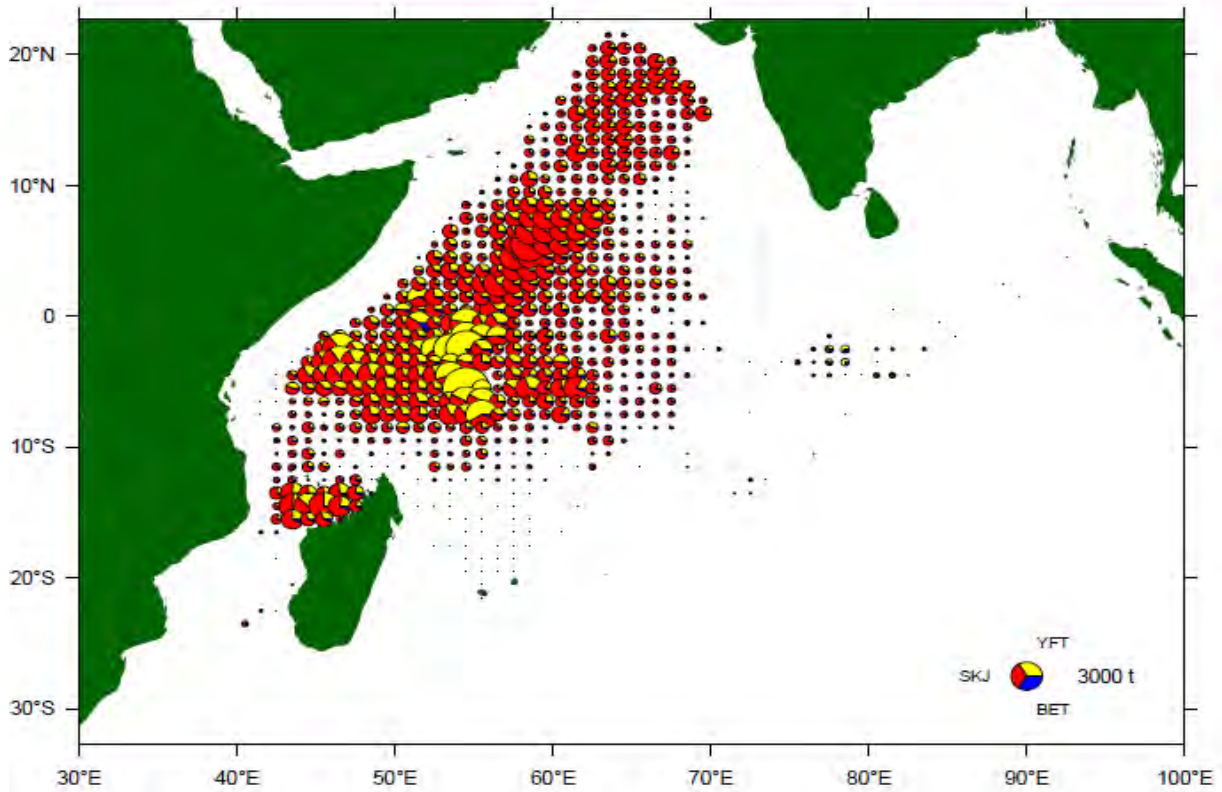


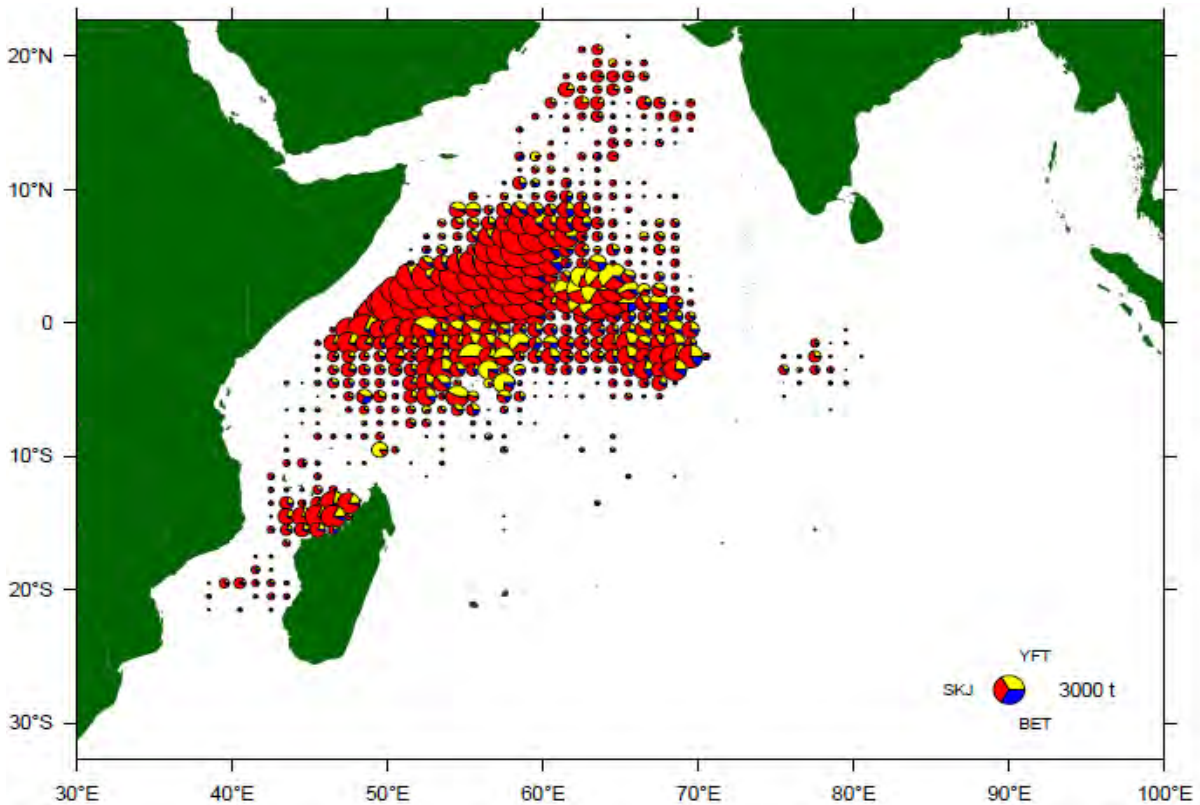
Figure 1L: Proportion of Purse Seine landing and transhipment in port Victoria, Years 2011 - 2021

# Fishing Ground Exploited by Purse Seiners

Map 1A. Purse seiners fishing ground for Year 2020

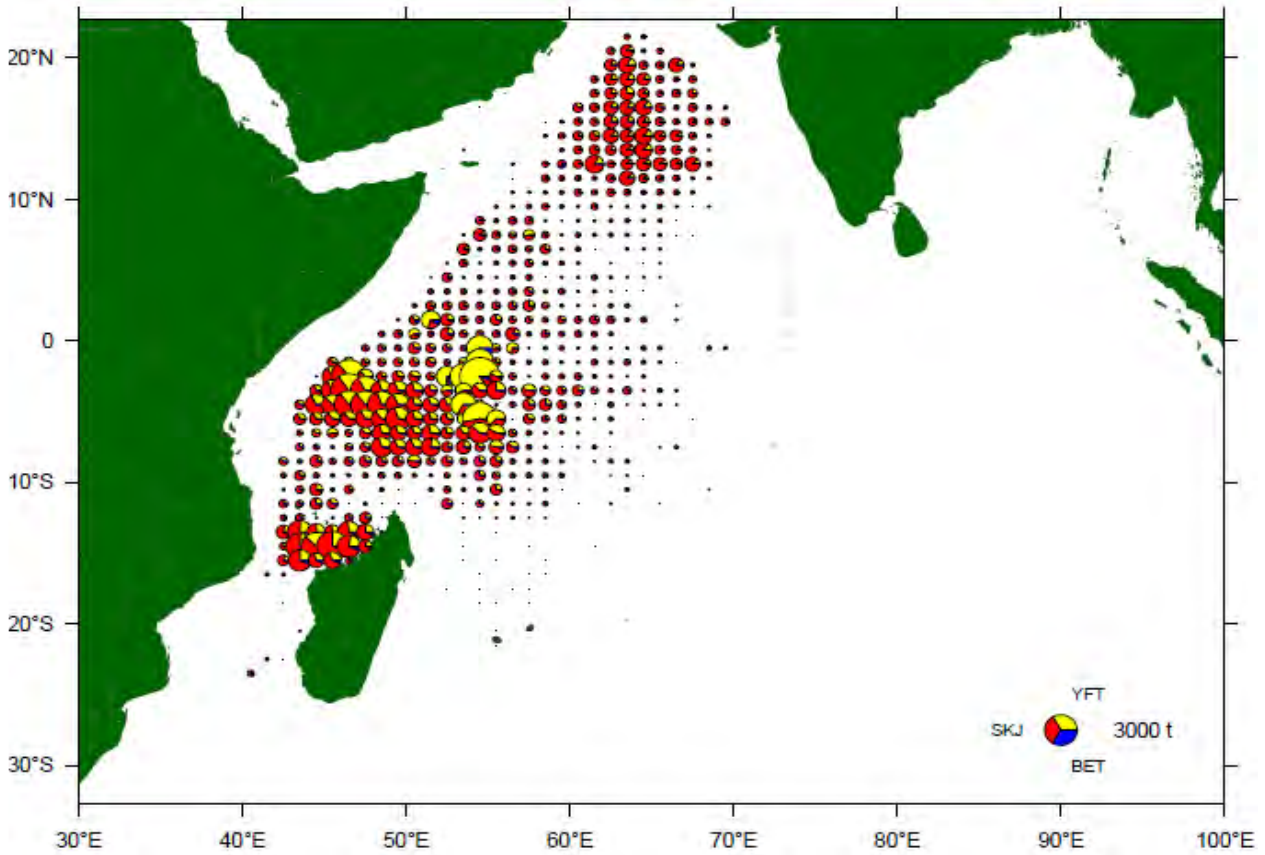


Map 1B. Purse seiners fishing ground for Year 2021

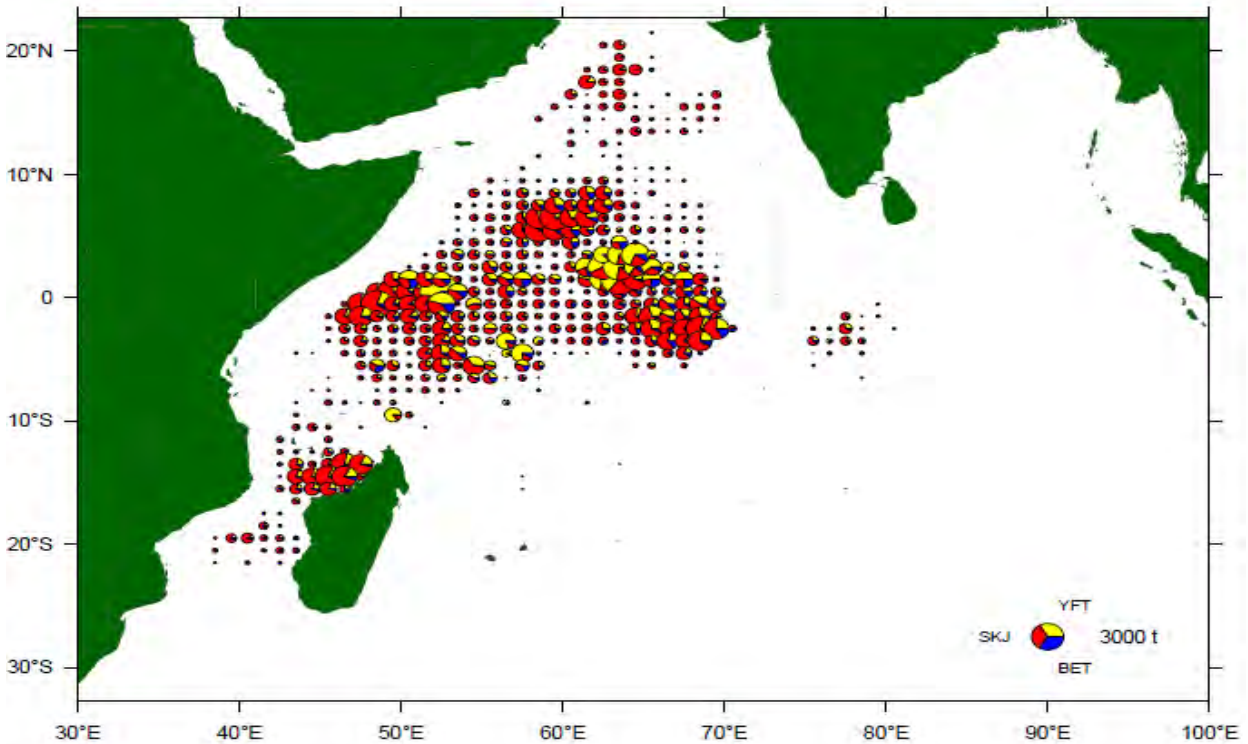


# Fishing Ground Exploited by Purse Seiners

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

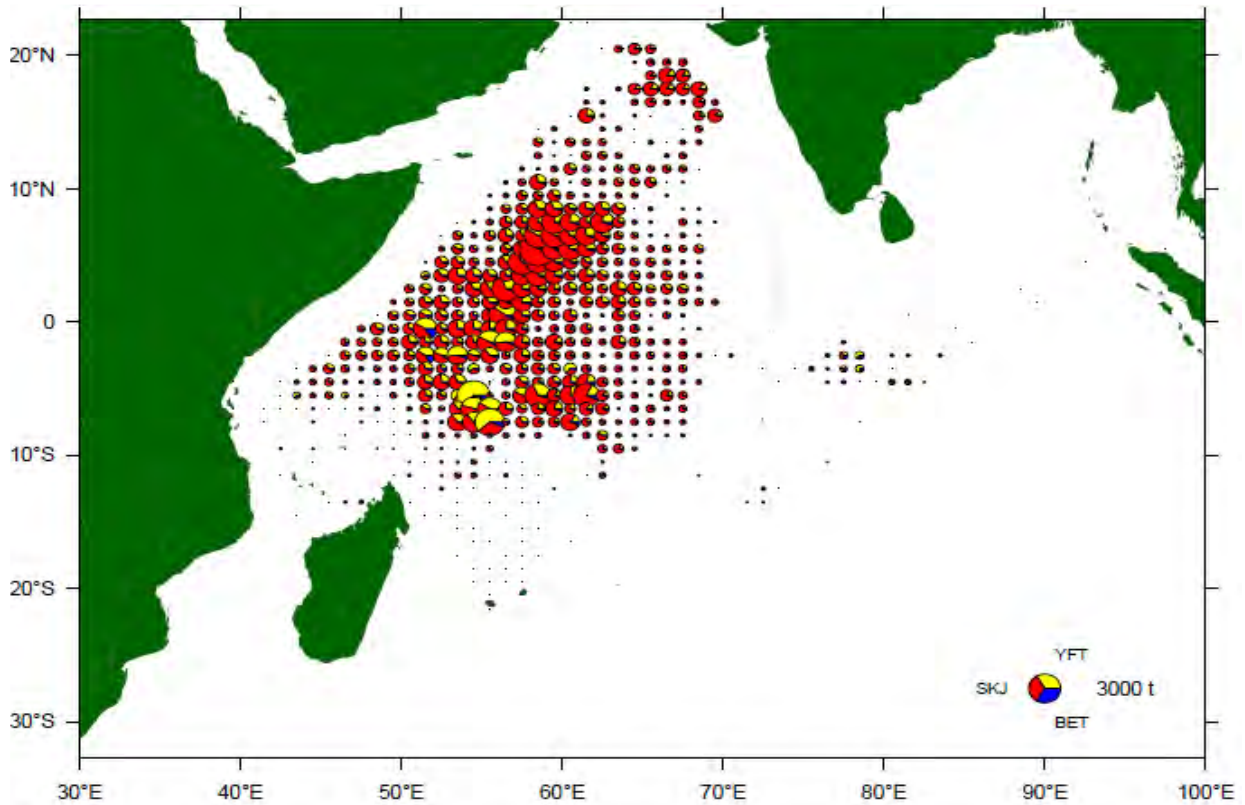


Map 1D. Purse seiners fishing ground for 1st Semester 2021

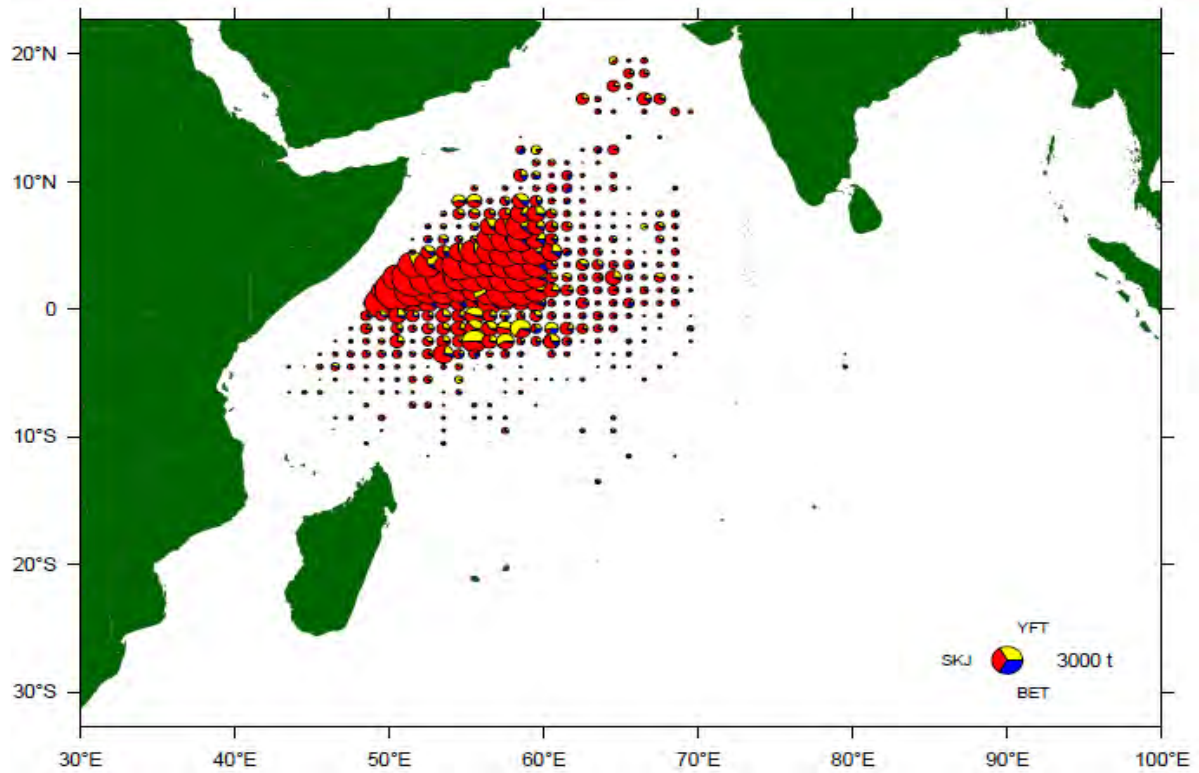


# Fishing Ground Exploited by Purse Seiners

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



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



# Industrial Longline Fishery



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

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

- The statistics published for year 2021 and 2020 relates to 100% logbooks captured in the database at the time when those statistical tables were generated. (Table 2.2).

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

- The number of industrial longliners licensed to fish inside the Seychelles EEZ increased sharply following the Somalian Piracy period from 80 vessels licensed in 2011 to reach 167 vessels licensed in 2012 followed by a dip to 148 vessels licensed in 2014 (table 2.1). An increasing trend was then observed in the number of vessels licensed to reach a peak of 213 vessels in 2017. Thereafter, the number of vessels license has been on a decreasing trend.
- For the year 2021, the number of vessels licensed to fish inside the Seychelles EEZ increased by 26 vessels resulting in a total of 188 vessels licensed compared to 162 vessels licensed the previous year. There was an increase of 3% in number of Seychelles registered vessels from 62 vessels registered in 2020 to 64 vessels registered in 2021. The number of vessels licensed under the EU agreement increased from 5 vessel in 2020 to 6 vessels in 2021.
- On average, 47 Seychelles registered longliners vessels were active per month during the year 2021 compared to 48 vessels active during 2020. In 2021, an average of 41 Taiwanese vessels and 5 Chinese vessels were active inside the Seychelles EEZ per month compared to an average of 25 Taiwanese vessels and 3 Chinese vessels active in the year 2020 (table 2.1C).
- It must be noted that according to logbooks received for 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. During the year 2021, only the Seychelles registered longliners were active in the Seychelles EEZ during the month of July and August.

### **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 fished 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 31,496 Mt in 2020. The catch rate increased from 0.47 Mt/1000 hooks in 2011 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 licensed to fish in the Seychelles EEZ during year 2021 is estimated at 25,340 MT, obtained from a fishing effort of approximately 66.6 million hooks thus giving a mean catch rate of 0.38 MT/1000 hooks (table 2.2A). The total catch reported in the year 2020 was 31,496 MT, obtained from a fishing effort of approximately 57.4 million hooks with a mean catch rate of 0.55 MT/1000 hooks. This represents a drop of 20% in catches despite an increase of 16% in fishing effort.
- The total catch reported by all industrial longline fleet in the Western Indian Ocean during the first semester of 2021 is estimated at 11,524 MT representing a 28% decrease in catches over the same period in 2020. This was achieved from an 8% increase in fishing effort or 28.5 million hooks thus giving a mean catch rate of 0.40 MT/1000 hooks (table 2.2A). The total catch for the first semester of 2020 is estimated at 15,937 MT achieved from a fishing effort of approximately 26.4 million hooks with a mean catch rate of 0.60 MT/1000 hooks.
- During the second semester of 2021, a total catch of 13,815 MT was reported, achieved from a fishing effort of 38.1 million hooks representing a decrease of 11% in catches over the 15,559 MT reported during the same period the previous year. The fishing effort for the second semester of year 2020 was estimated at approximately 31 million hooks thus giving a decrease in mean catch rate for from 0.50 MT/1000 hooks in 2020 to 0.36 MT/1000 hooks in 2021.
- Monthly analysis of catch rate shows that, the highest catch rate was recorded in the months May (0.47 MT/ 1000 hooks) during 2021. The highest catches reported in 2020 was in the month of April at 0.73 MT/ 1000 hooks.

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

- The Seychelles fleet reported an estimated catch of 14,526 MT for the year 2021. This was achieved from a fishing effort of 39.8 million hooks with a mean catch rate of 0.36 MT/1000 hooks (table 2.2C). This represents decrease of 35% in catches despite just a slight decrease of 2% in fishing effort when compared to the previous year. During the year 2020, the Seychelles fleet reported a total catch of 22,469 MT achieved from a fishing effort of 40.6 million hooks and a mean catch rate of 0.55 MT/1000 hooks.
- The total catches for the Taiwanese fleet for the year 2021 is estimated at 9,448 MT, achieved from a fishing effort of 23.5 million hooks with a mean catch rate of 0.40 MT/1000 hooks. This represents an increase of 16% in catches achieved from an increase of 54% in fishing effort when compared to the year 2020. For the year 2020, the Taiwanese fleet reported a total catch of 8,135 MT achieved from a fishing of 15.3 million hooks and a mean catch rate of 0.53 MT/1000 hooks (table 2.2D).
- The remaining 1,366 MT of tuna and tuna like species reported in the industrial longline fishery were from Chinese, Spanish, Portuguese, and Oman fleets. This was achieved from a fishing effort of approximately 3.3 million hooks and a mean catch rate of 0.41 MT/1000 hooks. In the year 2020, vessels from Chinese, Portuguese, Spanish and

French fleets reported an estimated catch of 892 MT achieved from a fishing effort of approximately 1.6 million hooks giving a mean catch rate of 0.57 MT/1000 hooks (table 2.2E).

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

- Historically bigeye dominated the catch of the industrial longline fishery. However, during the years 2018 and 2019 yellow tuna has been dominating the catch of the industrial longline fleet. 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).
- Similar observations were made during the year 2021 were bigeye tuna catches accounted for 41% of the total catch. Yellowfin tuna, swordfish and the 'others' category represented 27%, 7% and 16% of the total catch. It must be noted that the 'others' category comprised of 50% and 61% of *Ruvettus pretiosus* (oilfish) during years 2021 and 2020, respectively.
- In 2021, decreased in catches were observed across all the main species categories when compared to the previous year. Catches of yellowfin tuna, swordfish, marlin, sharks, and bigeye tuna decreased by 35%, 28%, 24%, 12% and 9% respectively.

#### **2.5. Activity inside the Seychelles EEZ**

- Time series of total catch and fishing effort of industrial longliners inside the Seychelles EEZ shows similar trend to that in the WIO. Following 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 15,036 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 14,575 MT of fish inside of the Seychelles EEZ during the year 2021, similar to the catches reported for the previous year. This was obtained from an increase of 49% in fishing effort of approximately 38.6 million hooks giving a mean catch rate of 0.38 MT/ 1000 hooks (table 2.3A). During the previous year, a total catch of 14,713 MT was obtained from a fishing effort of approximately 25.9 million hooks inside of the Seychelles EEZ, with a mean catch rate of 0.57 MT/1000 hooks.
- The industrial longliners catches reported inside the Seychelles EEZ during the first semester of 2021 is estimated at 5,537MT (table 2.3) achieved by a fishing effort of approximately 14.4 million hooks, thus giving a mean catch rate of 0.38 MT/1000 hooks. This represents an increase of 6% in catches despite a remarkable 66% increase in fishing effort over the same period the previous year. During the same period in 2020, the industrial longliners tuna catch reported inside the Seychelles EEZ was



estimated at 5,212 MT achieved from a fishing effort of approximately 8.7 million hooks, and a mean catch rate of 0.60 MT/1000 hooks.

- During the second semester of 2021, a total of 9,038 MT of tuna were reported to have been caught by industrial longliners inside the Seychelles EEZ obtain from a fishing effort of approximately 24.2 million hooks, hence giving a mean catch rate of 0.37 MT/ fishing day. This represents a decrease of 5% in total catch from 9,501 MT reported in 2020 even with a 40% increase in fishing effort from 17.2 million hooks over the same period of the previous year.
- Analysis of monthly trend shows higher catches were recorded inside the Seychelles EEZ during the last quarter of the year with an average catch of 2,839 MT per month for 2021. Similarly, during the year 2020, higher catches were reported during the last quarter of the year with a mean catch of 3,0343 MT per month.

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

- An increasing trend has been observed in total catch by Seychelles registered industrial longliners from the year 2014 to reach a peak of 22,866 MT in 2019 (table 2.4 and figure 2G). 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 40.6 million hooks in the year 2020 (table 2.4 and figure 2H). The CPUE has fluctuated between 0.42 MT/1000 hooks and 0.77 MT/100 hooks between the years 2011 to 2020 (figure 2I).
- During the year 2021, the Seychelles fleet reported an estimated catch of 14,526 MT representing a decrease of 35% in catches despite just a slight decrease of 2% in fishing effort. This was achieved from a fishing effort of 39.9 million hooks thus giving a mean catch rate of 0.36 MT/1000 hooks (table 2.2C). During the previous year, the Seychelles fleet reported a total catch of 22,469 MT achieved from a fishing effort of 40.6 million hooks with a mean catch rate of 0.55 MT/1000 hooks.
- Species composition of the Seychelles industrial longline fleet in the year 2021 comprised of 21% yellowfin tuna (3064.2MT), 40% of bigeye tuna (5825.8MT) and 24% of “other species” (3549.7MT). This represents a decrease of 61% and 21% in yellowfin and bigeye tuna catches respectively and an increase of 36% in catches of “Other species”.
- The Seychelles flagged industrial longliners reported to have caught 59% of their total catch or 8,589 MT on the high Seas and only 32% of their catches or 4,673 MT in the Seychelles EEZ for 2021. The remaining 9% or 1,264 MT were reported to have been caught in foreign EEZ. During the previous year, 67% (or 13,942 MT) and 25% (or 6,375 MT) of the Seychelles flagged industrial longliners catches were caught on the high Seas and inside Seychelles EEZ respectively.

## **2.7. Industrial Longliners statistics by Access Regime**

- During the years 2021 and 2020, 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 2021, vessels operating under the National agreement accounted for 32% of the total EEZ catch whilst vessels operating under the TTA agreement represent 59% of the total EEZ catch. Vessels fishing under the Top Fortune agreement excluding all Seychelles flagged vessels represented only 7% of the total EEZ catch. During 2020, vessels operating under the National agreement accounted for 43% of the total EEZ catch whilst vessels operating under the TTA agreement represented 56% of the total EEZ catch.

## **2.8. Fishing Ground**

- Map 2A and 2B show the distribution of reported catch of industrial longliners by 1<sup>o</sup> square in the WIO for the years 2020 and 2021 respectively. Map 2C and 2D shows the distribution of reported catch of industrial longliners by 1<sup>o</sup> square in the WIO for the 1<sup>st</sup> Semester of 2020 and 2021 respectively whilst maps 2E and 2F shows the distribution of reported catch of industrial longliners by 1<sup>o</sup> square in the WIO for the 2<sup>nd</sup> Semester of 2020 and 2021 respectively.
- Maps 2B shows similar fishing pattern in 2021 when compared to the year 2020 (map 2A), with a decrease in catches in the east Somalia area. It also shows a decrease in catches in the 'other species' category and an increase in albacore around 30°south and along the east Africa coast.
- Map 2D shows a decrease in yellowfin and bigeye catches in the East Somalia area during the first semester of the year 2021 when compared to the same period in 2020 (Map 2C).
- Comparing maps of catches for semester 2 of year 2021 (Map 2F) with the same for the previous year revealed similar fishing pattern with a decrease in catches in the Mozambique channel and the Seychelles area.

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

(Database Closed on 30/06/2022)

**Years: 2011 - 2021**

Country	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SEYCHELLES	24	32	33	38	45	46	54	55	57	62	64
TAIWAN PROVINCE OF CHINA	53	111	113	84	85	103	108	98	84	88	105
CHINA		12	16	19	19	29	43	50	44	7	12
JAPAN*		2	4	4	2						
KOREA					1	4	7	4			
SPAIN										2	3
PORTUGAL										2	2
BELIZE	1										
FRANCE							1	1	1	1	1
OMAN	1	2	2								1
INDONESIA					1	1					
PHILIPPINES	1	7	6	1	1	1					
TANZANIA		1	1	1	1	1					
THAILAND				1	2	2					
<b>Annual</b>	<b>80</b>	<b>167</b>	<b>175</b>	<b>148</b>	<b>157</b>	<b>187</b>	<b>213</b>	<b>208</b>	<b>186</b>	<b>162</b>	<b>188</b>

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

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

(Database Closed on 30/06/2022)

**Year: 2020**

Month	Seychelles*	Taiwan POC	China	France	Oman	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
<b>Annual Average</b>	<b>59</b>	<b>46</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>114</b>
Quarter 1	59	65	3	1	0	2	2	131
Quarter 2	59	39	3	1	0	2	2	106
Quarter 3	58	21	3	1	0	2	2	87
Quarter 4	60	60	7	1	0	2	2	132
<b>First Semester</b>	<b>59</b>	<b>52</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>119</b>
<b>Second Semester</b>	<b>59</b>	<b>40</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>109</b>

\*Number of Seychelles registered vessels

**Year: 2021**

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

\*Number of Seychelles Registered Vessels

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

(Database Closed on 30/06/2022)

**Years: 2011 - 2021**

Country	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SEYCHELLES	23	32	33	35	42	47	51	54	56	57	63
TAIWAN PROVINCE OF CHINA	30	96	90	71	83	105	106	92	76	82	97
CHINA		12	13	18	17	27	41	45	25	7	11
JAPAN*		2	3	2							
KOREA						2					
SPAIN										1	1
PORTUGAL										1	1
BELIZE											
OMAN	1	2	1								1
INDONESIA					1	1					
PHILIPPINES	1	8	5	1	1						
FRANCE										1	
TANZANIA		1	1	1	1	1					
THAILAND				1	2						
<b>Annual</b>	<b>55</b>	<b>153</b>	<b>146</b>	<b>129</b>	<b>147</b>	<b>183</b>	<b>198</b>	<b>191</b>	<b>157</b>	<b>149</b>	<b>174</b>

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

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

(Database Closed on 30/06/2022)

**Year: 2020**

Month	Seychelles*	Taiwan POC	China	France	Oman	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
<b>Annual Average</b>	<b>48</b>	<b>25</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>73</b>
Quarter 1	49	27	2	0	0	0	0	78
Quarter 2	51	14	0	0	0	0	0	65
Quarter 3	46	3	1	1	0	1	1	49
Quarter 4	47	48	5	1	0	0	1	101
<b>First Semester</b>	<b>50</b>	<b>21</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>71</b>
<b>Second Semester</b>	<b>46</b>	<b>30</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>75</b>

**Year: 2021**

Month	Seychelles*	Taiwan POC	China	France	Oman	Portugal	Spain	Total
Jan	48	62	8			1	1	120
Feb	42	44	3			1	1	91
Mar	46	25	2			1	1	75
Apr	47	21	1			1	1	71
May	48	12	5					65
Jun	47	11	5					63
Jul	47							47
Aug	44							44
Sep	44	30	5					79
Oct	50	61	6		1			118
Nov	51	67	6		1			125
Dec	55	80	8		1			144
<b>Annual Average</b>	<b>47</b>	<b>41</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>87</b>
Quarter 1	45	44	4	0	0	1	1	95
Quarter 2	47	15	4	0	0	1	1	66
Quarter 3	45	30	5	0	0	0	0	57
Quarter 4	52	69	7	0	1	0	0	129
<b>First Semester</b>	<b>46</b>	<b>29</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>81</b>
<b>Second Semester</b>	<b>49</b>	<b>60</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>93</b>

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

(Database Closed on 30/06/2022)

**Years: 2011 - 2021**

Country	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
SEYCHELLES	97	96	100	95	95	97	95	95	98	100	100
TAIWAN PROVINCE OF CHINA	75	80	77	81	95	92	98	95	99	100	100
CHINA		93	86	91	98	100	99	97	96	100	100
JAPAN		71	91	89	20						
REPUBLIC OF KOREA					0	34	0	0			
SPAIN										100	100
PORTUGAL										100	100
BELIZE	100										
FRANCE							0	0	0	100	100
OMAN	100	100	90								100
INDONESIA					0	0					
PHILIPPINES	100	84	68	100	50	0					
TANZANIA		100	92	91	100	100					
THAILAND				100	100	100					
<b>Grand Total</b>	<b>87</b>	<b>85</b>	<b>84</b>	<b>88</b>	<b>95</b>	<b>93</b>	<b>94</b>	<b>94</b>	<b>98</b>	<b>100</b>	<b>100</b>

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

(Database Closed on 30/06/2022)

Country: ALL

Semester 1, Year: 2011 - 2021

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2011	7,938,200	0.39	231.9	7	1,603.4	52	137	4	96	3	120.3	4	918.9	30	<b>3,107.6</b>
2012	10,080,389	0.85	805.6	9	6,264.6	73	522	6	514	6	165.9	2	283.0	3	<b>8,555.5</b>
2013	18,985,332	0.45	877.4	10	4,565.9	53	855	10	632	7	297.6	3	1,386.8	16	<b>8,614.5</b>
2014	16,939,623	0.44	1,589.6	21	3,511.2	47	742	10	548	7	360.6	5	733.8	10	<b>7,485.7</b>
2015	16,567,630	0.48	1,656.1	21	3,702.0	46	992	12	827	10	352.6	4	493.3	6	<b>8,022.6</b>
2016	27,703,915	0.43	2,912.8	24	4,246.0	35	1165	10	1600	13	564.7	5	1,545.5	13	<b>12,034.3</b>
2017	25,287,702	0.39	2,474.9	25	2,866.4	29	1104	11	823	8	495.0	5	2,177.0	22	<b>9,940.6</b>
2018	26,422,469	0.40	3,764.8	35	2,243.5	21	1359	13	862	8	661.2	6	1,714.9	16	<b>10,606.4</b>
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	<b>14,252.7</b>
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	<b>15,937.8</b>
2021	28,538,052	0.40	3,323.1	29	3,750.4	33	885	8	311	3	879.6	8	2,376.3	21	<b>11,524.4</b>

Country: ALL

Semester 2, Year: 2011 - 2021

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2011	9,809,058	0.53	1,139.7	22	2,879.3	56	289	6	241	5	188.3	4	431.0	8	<b>5,167.9</b>
2012	23,963,719	0.62	1,588.3	11	9,622.9	65	1105	7	1335	9	652.0	4	448.7	3	<b>14,751.9</b>
2013	15,309,146	0.50	957.5	13	4,573.9	60	450	6	349	5	374.2	5	914.3	12	<b>7,619.2</b>
2014	19,592,754	0.54	1,743.6	17	5,601.3	53	711	7	643	6	782.1	7	1,034.1	10	<b>10,515.4</b>
2015	22,441,818	0.55	2,719.1	22	5,918.8	48	1209	10	1167	9	531.7	4	828.2	7	<b>12,373.2</b>
2016	35,105,409	0.44	3,378.7	22	6,199.9	41	1646	11	1198	8	766.8	5	2,085.7	14	<b>15,274.3</b>
2017	36,259,726	0.38	3,166.6	23	4,959.0	36	1203	9	730	5	901.6	7	2,693.3	20	<b>13,653.6</b>
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	<b>14,120.3</b>
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	<b>15,840.7</b>
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	<b>15,558.5</b>
2021	38,073,378	0.36	3,472.6	25	6,737.5	49	902	7	396	3	601.5	4	1,705.8	12	<b>13,815.3</b>



Country: ALL

Year: 2011 - 2021

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
2011	17,747,258	0.47	1,371.6	17	4,482.7	54	426	5	336	4	308.5	4	1,350.0	16	<b>8,275.5</b>
2012	34,044,108	0.68	2,394.0	10	15,887.6	68	1627	7	1849	8	817.9	4	731.7	3	<b>23,307.4</b>
2013	34,294,478	0.47	1,834.9	11	9,139.8	56	1305	8	981	6	671.8	4	2,301.1	14	<b>16,233.7</b>
2014	36,532,377	0.49	3,333.3	19	9,112.5	51	1453	8	1192	7	1,142.7	6	1,767.9	10	<b>18,001.1</b>
2015	39,009,448	0.52	4,375.2	21	9,620.8	47	2201	11	1993	10	884.3	4	1,321.4	6	<b>20,395.8</b>
2016	62,809,324	0.43	6,291.5	23	10,445.8	38	2811	10	2797	10	1,331.6	5	3,631.2	13	<b>27,308.5</b>
2017	61,547,429	0.38	5,641.5	24	7,825.4	33	2307	10	1553	7	1,396.6	6	4,870.3	21	<b>23,594.2</b>
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	<b>24,726.7</b>
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	<b>30,093.4</b>
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	<b>31,496.3</b>
2021	66,611,430	0.38	6,795.7	27	10,487.9	41	1786	7	707	3	1,481.0	6	4,082.0	16	<b>25,339.7</b>

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

(Database Closed on 30/06/2022)

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
<b>Annual</b>	<b>114</b>	<b>73</b>	<b>57,375,523</b>	<b>0.55</b>	<b>10,418.2</b>	<b>33</b>	<b>11,530.6</b>	<b>37</b>	<b>2,469.2</b>	<b>8</b>	<b>930.1</b>	<b>3</b>	<b>1,684.0</b>	<b>5</b>	<b>4,464.3</b>	<b>14</b>	<b>31,496.3</b>
Quarter 1	131	78	13,872,651	0.58	3,583.7	44	2,778.9	34	494.1	6	319.2	4	434.4	5	493.0	6	8,103.3
Quarter 2	106	65	12,533,002	0.63	2,194.7	28	2,720.7	35	816.4	10	297.4	4	280.3	4	1,525.1	19	7,834.6
Quarter 3	87	49	10,496,348	0.43	760.6	17	1,151.7	25	442.1	10	94.6	2	368.1	8	1,709.9	38	4,527.0
Quarter 4	132	101	20,473,523	0.54	3,879.3	35	4,879.3	44	716.6	6	218.9	2	601.1	5	736.3	7	11,031.6
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	109	75	30,969,870	0.50	4,639.9	30	6,031.0	39	1,158.7	7	313.5	2	969.2	6	2,446.2	16	15,558.5

Country: ALL

Year: 2021

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	142	120	7,790,750	0.41	1,188.5	37	1,363.9	43	180	6	73	2	239.7	7	155.7	4	3,202
Feb	146	91	3,435,396	0.29	291.9	29	411.9	41	71	7	30	3	101.0	10	88.5	5	994
Mar	146	75	4,830,084	0.37	592.5	34	513.6	29	114	6	54	3	198.1	11	293.6	15	1,767
Apr	143	71	4,130,346	0.44	385.5	21	572.0	32	150	8	51	3	144.0	8	495.9	23	1,798
May	105	65	4,770,720	0.47	660.6	30	511.8	23	244	11	60	3	110.9	5	641.6	19	2,229
Jun	92	63	3,580,755	0.43	204.2	13	377.2	25	125	8	42	3	85.8	6	701.0	28	1,535
Jul	91	47	3,726,277	0.42	169.4	11	560.2	36	104	7	36	2	37.9	2	661.3	22	1,569
Aug	90	44	3,066,816	0.30	82.8	9	320.6	35	96	11	23	3	27.7	3	358.6	18	909
Sep	126	79	3,826,637	0.28	186.7	17	547.8	51	96	9	36	3	64.5	6	139.1	12	1,070
Oct	150	118	8,181,713	0.34	538.1	19	1,593.8	58	201	7	84	3	156.0	6	186.0	6	2,760
Nov	155	125	9,300,251	0.40	879.8	24	2,161.7	59	212	6	106	3	151.7	4	179.6	5	3,691
Dec	161	144	9,971,684	0.38	1,615.8	42	1,553.5	41	192	5	111	3	163.6	4	181.1	4	3,817
<b>Annual</b>	<b>129</b>	<b>87</b>	<b>66,611,430</b>	<b>0.38</b>	<b>6,795.7</b>	<b>27</b>	<b>10,487.9</b>	<b>41</b>	<b>1,786.2</b>	<b>7</b>	<b>706.8</b>	<b>3</b>	<b>1,481.0</b>	<b>6</b>	<b>4,082.0</b>	<b>16</b>	<b>25,339.7</b>
Quarter 1	145	95	16056230.37	0	2072.88	34.8	2289	38.4	365	6	158	3	539	9.0	538	9.0	5,962.4
Quarter 2	113	66	12481821.67	0	1250.24	22.5	1461	26.3	519	9	153	3	341	6.1	1838	33.1	5,562.0
Quarter 3	102	57	10619730.23	0	438.91	12.4	1429	40.3	296	8	95	3	130	3.7	1159	32.7	3,547.6
Quarter 4	155	129	27453647.87	0	3033.66	29.5	5309	51.7	606	6	301	3	471	4.6	547	5.3	10,267.7
First Semester	129	81	28,538,052	0.40	3,323.1	29	3,750.4	33	884.5	8	310.5	3	879.6	8	2,376.3	21	11,524.4
Second Semester	129	93	38,073,378	0.36	3,472.6	25	6,737.5	49	901.7	7	396.3	3	601.5	4	1,705.8	12	13,815.3

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

(Database Closed on 30/06/2022)

**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
<b>Annual</b>	<b>59</b>	<b>48</b>	<b>40,551,445</b>	<b>0.55</b>	<b>7,775.0</b>	<b>35</b>	<b>7,391.1</b>	<b>33</b>	<b>1,721.0</b>	<b>8</b>	<b>654.0</b>	<b>3</b>	<b>903.7</b>	<b>4</b>	<b>4,024.6</b>	<b>18</b>	<b>22,469.3</b>
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	1,032.6	8	460.5	4	397.0	3	1,823.5	14	12,582.9
Second Semester	59	46	20,198,606	0.49	3,032.3	31	3,264.4	33	688.4	7	193.5	2	506.7	5	2,201.0	22	9,886.4

**Country: SEYCHELLES****Year: 2021**

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	58	48	3,038,229	0.42	465.5	37	549.6	43	83	6	32	3	68.0	5	76.6	4	1,274.7
Feb	59	42	2,101,485	0.30	192.3	30	262.5	41	45	7	19	3	49.3	8	64.8	4	633.2
Mar	60	46	3,355,038	0.38	453.2	36	358.3	28	63	5	34	3	93.9	7	273.3	19	1,275.9
Apr	61	47	3,320,642	0.44	323.2	22	449.6	31	100	7	38	3	67.1	5	478.7	27	1,455.7
May	58	48	3,854,407	0.46	474.3	27	389.6	22	196	11	40	2	75.2	4	613.0	22	1,788.4
Jun	59	47	3,066,249	0.43	120.4	9	321.0	24	105	8	36	3	55.1	4	679.2	32	1,316.0
Jul	59	47	3,726,277	0.42	169.4	11	560.2	36	104	7	36	2	37.9	2	661.3	22	1,568.7
Aug	58	44	3,066,816	0.30	82.8	9	320.6	35	96	11	23	3	27.7	3	358.6	18	908.8
Sep	58	44	2,753,762	0.25	97.5	14	382.7	56	59	9	24	3	17.5	3	107.0	14	687.7
Oct	58	50	3,607,265	0.29	171.4	16	634.2	61	73	7	35	3	31.7	3	96.2	9	1,041.4
Nov	58	51	3,952,515	0.36	184.2	13	975.0	69	89	6	42	3	29.2	2	88.5	6	1,407.6
Dec	58	55	4,015,964	0.29	330.0	28	622.5	53	88	8	49	4	25.9	2	52.3	4	1,167.9
<b>Annual</b>	<b>59</b>	<b>47</b>	<b>39,858,649</b>	<b>0.36</b>	<b>3,064.2</b>	<b>21</b>	<b>5,825.8</b>	<b>40</b>	<b>1,100.1</b>	<b>8</b>	<b>407.9</b>	<b>3</b>	<b>578.5</b>	<b>4</b>	<b>3,549.7</b>	<b>24</b>	<b>14,526.1</b>
Quarter 1	59	45	8,494,752	0.37	1,111.0	35	1,170.4	37	191.0	6	85.4	3	211.3	7	414.7	13	3,183.8
Quarter 2	59	47	10,241,297	0.45	917.9	20	1,160.2	25	400.3	9	113.4	2	197.4	4	1,771.0	39	4,560.1
Quarter 3	58	45	9,546,856	0.33	349.7	11	1,263.5	40	259.2	8	82.8	3	83.1	3	1,126.9	36	3,165.3
Quarter 4	58	52	11,575,744	0.31	685.6	19	2,231.6	62	249.5	7	126.4	3	86.7	2	237.0	7	3,616.9
First Semester	59	46	18,736,049	0.41	2,028.9	26	2,330.7	30	508.7	7	209.1	3	408.6	5	1,364.0	18	7,744.0
Second Semester	58	49	21,122,599	0.32	1,035.3	15	3,495.1	52	612.3	9	202.7	3	169.9	3	2,770.4	41	6,782.2

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

(Database Closed on 30/06/2022)

**Country: TAIWAN PROVINCE OF CHINA**
**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	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	3.6	46	0.2	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
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
<b>Annual</b>	<b>46</b>	<b>23</b>	<b>15,270,226</b>	<b>0.53</b>	<b>2,354.5</b>	<b>29</b>	<b>3,942.8</b>	<b>48</b>	<b>524.8</b>	<b>6</b>	<b>261.0</b>	<b>3</b>	<b>643.1</b>	<b>8</b>	<b>408.5</b>	<b>5</b>	<b>8,134.7</b>
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
<b>First Semester</b>	<b>52</b>	<b>21</b>	<b>5,766,847</b>	<b>0.55</b>	<b>965.4</b>	<b>30</b>	<b>1,345.3</b>	<b>42</b>	<b>254.5</b>	<b>8</b>	<b>150.3</b>	<b>5</b>	<b>297.2</b>	<b>9</b>	<b>182.5</b>	<b>6</b>	<b>3,195.2</b>
<b>Second Semester</b>	<b>40</b>	<b>25</b>	<b>9,503,379</b>	<b>0.52</b>	<b>1,389.1</b>	<b>28</b>	<b>2,597.5</b>	<b>53</b>	<b>270.3</b>	<b>5</b>	<b>110.7</b>	<b>2</b>	<b>345.9</b>	<b>7</b>	<b>225.9</b>	<b>5</b>	<b>4,939.4</b>

**Country: TAIWAN PROVINCE OF CHINA**
**Year: 2021**

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort	Catch Rate	Catches												Total Catch
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	70	62	4,174,765	0.41	658.6	38	714.6	41	84	5	38	2	165.3	10	70.2	4	1,730.8
Feb	70	44	1,253,911	0.27	98.2	29	143.3	42	22	6	11	3	46.3	13	23.5	7	343.9
Mar	72	25	1,317,725	0.30	131.8	33	148.1	37	30	7	20	5	48.7	12	19.3	5	397.2
Apr	68	21	681,387	0.36	60.3	24	117.3	47	20	8	14	6	20.5	8	16.8	7	248.4
May	35	12	731,014	0.52	150.3	40	113.7	30	41	11	19	5	30.7	8	23.3	6	377.4
Jun	23	11	209,206	0.51	25.8	24	35.7	33	11	10	4	4	24.3	23	6.6	6	107.7
Jul	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Aug	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep	57	30	961,229	0.36	74.5	22	152.1	44	33	10	11	3	44.2	13	27.6	8	343.1
Oct	80	61	4,017,506	0.37	309.7	21	834.6	56	115	8	44	3	109.8	7	81.5	5	1,494.7
Nov	85	67	4,821,936	0.43	607.3	30	1,076.2	52	113	6	59	3	116.2	6	84.2	4	2,056.2
Dec	89	80	5,287,132	0.44	1,079.8	46	881.9	38	96	4	58	2	132.1	6	100.2	4	2,348.1
<b>Annual</b>	<b>58</b>	<b>34</b>	<b>23,455,813</b>	<b>0.40</b>	<b>3,196.3</b>	<b>34</b>	<b>4,217.4</b>	<b>45</b>	<b>564.6</b>	<b>6</b>	<b>278.0</b>	<b>3</b>	<b>738.1</b>	<b>8</b>	<b>453.2</b>	<b>5</b>	<b>9,447.5</b>
Quarter 1	71	44	6,746,402	0.37	888.6	36	1,005.9	41	135.0	5	69.1	3	260.3	11	113.0	5	2,471.8
Quarter 2	42	15	1,621,607	0.45	236.4	32	266.7	36	71.8	10	36.4	5	75.5	10	46.7	6	733.5
Quarter 3	34	10	961,229	0.36	74.5	22	152.1	44	33.4	10	11.3	3	44.2	13	27.6	8	343.1
Quarter 4	85	69	14,126,574	0.42	1,996.8	34	2,792.7	47	324.3	5	161.2	3	358.1	6	265.9	5	5,899.0
<b>First Semester</b>	<b>56</b>	<b>29</b>	<b>8,368,009</b>	<b>0.38</b>	<b>1,125.0</b>	<b>35</b>	<b>1,272.6</b>	<b>40</b>	<b>206.8</b>	<b>6</b>	<b>105.5</b>	<b>3</b>	<b>402.3</b>	<b>13</b>	<b>159.6</b>	<b>5</b>	<b>3,205.4</b>
<b>Second Semester</b>	<b>59</b>	<b>40</b>	<b>15,087,804</b>	<b>0.41</b>	<b>2,071.3</b>	<b>33</b>	<b>2,944.8</b>	<b>47</b>	<b>357.7</b>	<b>6</b>	<b>172.5</b>	<b>3</b>	<b>170.5</b>	<b>3</b>	<b>89.5</b>	<b>1</b>	<b>6,242.1</b>

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

(Database Closed on 30/06/2022)

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	4.8	5	4	4	0	9.6	11		90.9
Feb	8	1	54,000	0.38	9.8	48	5.4	26	1.2	6	2	9	1.0	5	1.4	7	20.6
Mar	8	1	27,000	0.44	6.8	57	2.9	25	1.2	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	0.0
May	8	0	0	0.00	0.0	0	0.0	0	0.0	0	0	0	0.0	0	0.0	0	0.0
Jun	8	0	18,966	1.91	0.0	0	0.2	1	16.1	44	0	19.6	54	0.3	1		36.2
Jul	8	0	12,644	1.90	0.0	0	0.1	0	8.3	35	0	15.3	64	0.3	1		24.0
Aug	8	2	34,127	0.77	0.2	1	1.3	5	8.1	31	0	16.2	61	0.4	2		26.4
Sep	8	2	63,536	1.37	0.0	0	3.6	4	48.6	56	0	34.5	40	0.1	0		86.9
Oct	10	7	362,434	0.57	42.1	20	29.3	14	89.3	43	3	36.0	18	5.5	3		205.8
Nov	10	7	422,249	0.52	105.9	49	56.4	26	31.9	15	4	11.4	5	7.7	4		217.5
Dec	15	7	372,896	0.46	70.0	41	78.4	46	13.9	8	1	3.2	2	5.2	3		172.2
<b>Annual</b>	<b>9</b>	<b>3</b>	<b>1,553,852</b>	<b>0.57</b>	<b>288.7</b>	<b>32</b>	<b>196.8</b>	<b>22</b>	<b>223.4</b>	<b>25</b>	<b>15.1</b>	<b>2</b>	<b>137.1</b>	<b>15</b>	<b>31.2</b>	<b>4</b>	<b>892.3</b>
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
<b>First Semester</b>	<b>7</b>	<b>1</b>	<b>285,966</b>	<b>0.56</b>	<b>70.3</b>	<b>44</b>	<b>27.6</b>	<b>17</b>	<b>23.3</b>	<b>15</b>	<b>5.8</b>	<b>4</b>	<b>20.6</b>	<b>13</b>	<b>12.0</b>	<b>8</b>	<b>159.6</b>
<b>Second Semester</b>	<b>10</b>	<b>4</b>	<b>1,267,886</b>	<b>0.58</b>	<b>218.4</b>	<b>30</b>	<b>169.2</b>	<b>23</b>	<b>200.1</b>	<b>27</b>	<b>9.2</b>	<b>1</b>	<b>116.5</b>	<b>16</b>	<b>19.2</b>	<b>3</b>	<b>732.7</b>

Country: OTHERS

Year: 2021

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	14	10	577,756	0.34	64.4	33	99.8	51	14	7	3	1	6.3	3	9.0	5	196.2
Feb	17	5	80,000	0.21	1.4	8	6.1	36	4	23	0	0	5.4	32	0.2	1	17.0
Mar	14	4	157,321	0.59	7.5	8	7.2	8	22	23	1	1	55.6	59	1.0	1	93.5
Apr	14	3	128,317	0.73	2.0	2	5.1	5	30	32	0	0	56.5	60	0.4	0	94.0
May	12	5	185,300	0.34	35.9	57	8.5	13	8	12	1	2	5.0	8	5.2	8	63.2
Jun	10	5	305,300	0	58	52	20	18	9	8	2	2	6	6	15	14	111.2
Jul	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Aug	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep	11	5	111,645	0.35	14.7	37	13.1	33	3	9	1	2	2.7	7	4.5	11	39.2
Oct	12	7	556,942	0.40	57.1	26	125.0	56	14	6	5	2	14.6	7	8.3	4	223.7
Nov	12	7	525,800	0.43	88.2	39	110.5	49	10	5	5	2	6.4	3	6.9	3	226.8
Dec	14	9	668,588	0.45	205.9	68	49.1	16	8	3	4	1	5.6	2	28.6	9	301.3
<b>Annual</b>	<b>13</b>	<b>5</b>	<b>3,296,969</b>	<b>0.41</b>	<b>535.2</b>	<b>39</b>	<b>444.8</b>	<b>33</b>	<b>121.6</b>	<b>9</b>	<b>20.9</b>	<b>2</b>	<b>164.4</b>	<b>12</b>	<b>79.2</b>	<b>6</b>	<b>1,366.1</b>
Quarter 1	15	6	815,077	0.38	73.3	24	113.1	37	39.5	13	3.4	1	67.3	22	10.1	3	306.7
Quarter 2	12	4	618,917	0.43	96.0	36	34.0	13	46.9	17	2.8	1	67.8	25	20.8	8	268.4
Quarter 3	10	2	111,645	0.35	14.7	37	13.1	33	3.4	9	1.0	2	2.7	7	4.5	11	39.2
Quarter 4	13	8	1,751,330	0.43	351.3	47	284.6	38	31.8	4	13.7	2	26.6	4	43.8	6	751.8
<b>First Semester</b>	<b>14</b>	<b>5</b>	<b>1,433,994</b>	<b>0.40</b>	<b>169.2</b>	<b>29</b>	<b>147.1</b>	<b>26</b>	<b>86.4</b>	<b>15</b>	<b>6.2</b>	<b>1</b>	<b>135.1</b>	<b>24</b>	<b>31.0</b>	<b>5</b>	<b>575.0</b>
<b>Second Semester</b>	<b>12</b>	<b>5</b>	<b>1,862,975</b>	<b>0.42</b>	<b>365.9</b>	<b>46</b>	<b>297.7</b>	<b>38</b>	<b>35.2</b>	<b>4</b>	<b>14.7</b>	<b>2</b>	<b>29.3</b>	<b>4</b>	<b>48.3</b>	<b>6</b>	<b>791.0</b>

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

Country: Seychelles

Area: WIO

Year	Tuna			Sharks							Others		Interactions with	
	Fate	Yellowfin tuna	Bigeye tuna	Blue shark	Mako sharks	Thresher sharks	Crocodile shark	Silky shark	Blacktip reef shark	Porbeagle	Rays, mantas nei	Oilfish	Sea birds	Marine turtles
2020	ALIVE			468	10	24		45					23	17
	DEAD			273	125	6		133		1			16	19
	UNKNOWN			1									1	1
<b>2020 Total</b>				<b>742</b>	<b>135</b>	<b>30</b>		<b>178</b>		<b>1</b>			<b>40</b>	<b>37</b>
2021	ALIVE		1	981	69	28	1	16		1	2		55	57
	DEAD			735	34	15		27		3			79	11
	UNKNOWN													
<b>2021 Total</b>			<b>1</b>	<b>1716</b>	<b>103</b>	<b>43</b>	<b>1</b>	<b>43</b>		<b>4</b>	<b>2</b>		<b>134</b>	<b>68</b>

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

(Database Closed on 30/06/2022)

Country: ALL

Semester 1, Year: 2011 - 2021

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)	(%)			
2011	0	0.00	0.0	0	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		
2021	14,432,763	0.38	1,994.1	36	2,150.2	39	441.6	8	152.5	3	535.6	10	262.8	5	5,536.8		

Country: ALL

Semester 2, Year: 2011 - 2021

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)	(%)	
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
2021	24,149,178	0.37	2,832.8	31	4,537.8	50	539	6	261	3	459.5	5	408.0	5	9,038.4

Country: ALL

Year: 2011 - 2021

Area: SYC EEZ

Month	Effort	Catch Rate	Catches										Total Catch		
			Yellowfin	Bigeye	Swordfish	Marlin	Shark	Others							
2011	2,415,460	0.56	400.3	30	701.0	52	64	5	78	6	68.1	5	30.5	2	<b>1,342.6</b>
2012	15,825,239	0.59	1,295.8	14	6,001.7	65	607	7	786	8	432.8	5	172.2	2	<b>9,295.6</b>
2013	14,604,559	0.48	972.7	14	4,641.9	66	465	7	504	7	330.4	5	163.2	2	<b>7,076.5</b>
2014	19,959,305	0.50	2,269.6	23	5,438.6	55	648	7	624	6	667.8	7	279.6	3	<b>9,927.4</b>
2015	21,721,287	0.49	2,952.0	28	5,206.7	49	816	8	937	9	511.5	5	272.1	3	<b>10,695.8</b>
2016	35,823,793	0.44	4,597.0	29	6,732.4	43	1341	9	1546	10	918.7	6	490.6	3	<b>15,625.8</b>
2017	32,436,507	0.35	3,229.0	28	4,945.2	43	1077	9	777	7	868.8	8	549.9	5	<b>11,446.9</b>
2018	27,584,749	0.37	3,861.3	38	3,043.7	30	1039	10	631	6	900.5	9	615.8	6	<b>10,091.1</b>
2019	18,109,928	0.55	4,693.5	47	2,865.8	29	615	6	406	4	783.7	8	575.6	6	<b>9,939.3</b>
2020	25,897,676	0.57	5,666.0	39	5,976.7	41	1094	7	407	3	923.5	6	645.3	4	<b>14,713.1</b>
2021	38,581,941	0.38	4,826.9	33	6,688.0	46	981	7	413	3	995.1	7	670.8	5	<b>14,575.2</b>



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

(Database Closed on 30/06/2022)

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
<b>Annual</b>	<b>114</b>	<b>73</b>	<b>25,897,676</b>	<b>0.57</b>	<b>5,666.0</b>	<b>39</b>	<b>5,976.7</b>	<b>41</b>	<b>1,094.3</b>	<b>7</b>	<b>407.4</b>	<b>3</b>	<b>923.5</b>	<b>6</b>	<b>645.3</b>	<b>4</b>	<b>14,713.1</b>
Quarter 1	131	78	6,322,244	0.55	1,476.6	42	1,206.7	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	698.8	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	67.9	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	4,003.4	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	17,221,491	0.55	3,620.0	38	4,071.3	43	682.7	7	193.2	2	553.6	6	379.9	4	9,500.7

Country: ALL Year: 2021 Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	142	120	6,803,628	0.42	1,077.3	38	1,242.0	44	157	6	63	2	197.1	7	111.1	4	2,848.3
Feb	146	91	1,995,506	0.26	151.4	29	213.6	41	42	8	15	3	65.3	13	30.6	6	517.7
Mar	146	75	2,178,338	0.36	285.7	36	270.8	34	67	9	25	3	110.4	14	28.0	4	786.7
Apr	143	71	1,470,079	0.39	142.2	25	226.2	40	67	12	22	4	84.6	15	24.6	4	566.8
May	105	65	1,343,845	0.44	253.5	43	139.3	24	84	14	22	4	49.3	8	42.1	7	590.2
Jun	92	63	641,367	0.35	84.2	37	58.2	26	23	10	6	3	29.0	13	26.3	12	227.1
Jul	91	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Aug	90	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep	126	79	1,540,742	0.34	126.9	24	240.6	46	47	9	18	3	49.1	9	39.7	8	520.5
Oct	150	118	7,244,788	0.34	496.7	20	1,478.8	60	181	7	72	3	134.1	5	112.3	5	2,475.4
Nov	155	125	7,616,102	0.39	781.6	26	1,713.7	57	171	6	89	3	138.0	5	111.9	4	3,005.2
Dec	161	144	7,747,546	0.39	1,427.6	47	1,104.7	36	140	5	82	3	138.3	5	144.2	5	3,037.3
<b>Annual</b>	<b>129</b>	<b>87</b>	<b>38,581,941</b>	<b>0.38</b>	<b>4,826.9</b>	<b>33</b>	<b>6,688.0</b>	<b>46</b>	<b>980.8</b>	<b>7</b>	<b>413.5</b>	<b>3</b>	<b>995.1</b>	<b>7</b>	<b>670.8</b>	<b>5</b>	<b>14,575.2</b>
Quarter 1	145	95	10,977,472	0.38	1,514.3	36	1,726.41	42	266.6	6	102.9	2	372.7	9	169.8	4	4,152.7
Quarter 2	113	66	3,455,291	0.40	479.8	35	423.76	31	175.0	13	49.6	4	162.9	12	93.0	7	1,384.1
Quarter 3	102	57	1,540,742	0.34	126.9	24	240.64	46	46.5	9	17.7	3	49.1	9	39.7	8	520.5
Quarter 4	155	129	22,608,436	0.38	2,705.9	32	4,297.18	50	492.7	6	243.3	3	410.4	5	368.4	4	8,517.9
First Semester	129	81	14,432,763	0.38	1,994.1	36	2,150.2	39	441.6	8	152.5	3	535.6	10	262.8	5	5,536.8
Second Semester	129	93	7,629,135	1.18	2,832.8	31	4,537.8	50	539.2	6	260.9	3	459.5	5	408.0	5	9,038.4

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

(Database Closed on 30/06/2022)

Country: SEYCHELLES

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)	(%)	(Mt)
Jan	59	51	1,538,802	0.58	457.9	51	272.4	30	52.9	6	32.1	4	44.0	5	35.6	4	894.8
Feb	59	44	207,204	0.81	102.8	61	28.2	17	5.5	3	4.6	3	16.8	10	11.0	7	168.8
Mar	59	51	331,756	0.45	50.4	34	66.1	44	10.4	7	7.5	5	9.5	6	5.3	4	149.1
Apr	59	52	444,602	0.98	170.9	39	189.3	43	30.5	7	22.8	5	8.7	2	15.1	3	437.2
May	60	50	691,692	0.81	271.2	49	181.9	33	60.6	11	13.8	2	12.7	2	17.8	3	558.0
Jun	58	50	205,437	0.50	47.0	46	28.0	27	13.2	13	4.7	5	4.3	4	5.6	5	103.0
Jul	58	0	24,707	0.22	1.4	25	1.6	30	1.2	22	0.8	15	0.0	0	0.4	7	5.4
Aug	58	45	28,466	0.20	2.2	39	2.0	34	0.4	6	0.5	9	0.1	2	0.6	11	5.8
Sep	59	43	307,929	0.53	98.5	60	35.0	21	16.3	10	3.1	2	4.4	3	6.2	4	163.5
Oct	59	45	1,446,317	0.59	476.3	56	258.2	30	59.9	7	8.8	1	18.3	2	25.8	3	847.3
Nov	60	48	2,021,422	0.59	664.7	56	371.7	31	65.8	6	17.6	1	34.7	3	35.2	3	1,189.7
Dec	61	47	2,955,125	0.63	827.4	45	759.6	41	98.6	5	46.1	2	47.9	3	72.8	4	1,852.4
<b>Annual</b>	<b>59</b>	<b>44</b>	<b>10,203,461</b>	<b>0.62</b>	<b>3,170.7</b>	<b>50</b>	<b>2,194.0</b>	<b>34</b>	<b>415.3</b>	<b>7</b>	<b>162.4</b>	<b>3</b>	<b>201.3</b>	<b>3</b>	<b>231.4</b>	<b>4</b>	<b>6,375.1</b>
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	29	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	38	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

Country: SEYCHELLES

Year: 2021

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)
Jan	58	48	2,235,289	0.43	372.1	38	441.3	46	63	7	24	3	32.5	3	33.8	3	967.0
Feb	59	42	890,379	0.25	63.4	28	104.1	47	19	9	7	3	18.6	8	11.3	5	223.6
Mar	60	46	1,184,785	0.36	187.1	44	157.9	37	27	6	12	3	27.4	6	14.5	3	426.3
Apr	61	47	725,388	0.34	86.2	35	114.1	46	21	8	9	4	10.0	4	8.7	4	248.8
May	58	48	615,581	0.42	98.0	38	68.8	27	45	17	7	3	18.2	7	19.5	8	255.9
Jun	59	47	193,106	0.20	5.7	15	13.6	36	8	22	2	5	2.9	8	5.4	14	37.8
Jul	59	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Aug	58	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep	58	44	505,247	0.28	38.7	27	77.0	54	10	7	6	4	2.8	2	8.2	6	142.5
Oct	58	50	2,843,623	0.29	150.8	18	555.6	67	59	7	25	3	14.6	2	26.1	3	831.1
Nov	58	51	2,682,369	0.33	122.9	14	615.8	70	60	7	30	3	22.5	3	26.8	3	878.2
Dec	58	55	2,376,008	0.28	250.4	38	284.2	43	46	7	31	5	15.1	2	35.6	5	661.7
<b>Annual</b>	<b>59</b>	<b>47</b>	<b>14,251,774</b>	<b>0.33</b>	<b>1,375.4</b>	<b>29</b>	<b>2,432.6</b>	<b>52</b>	<b>358.4</b>	<b>8</b>	<b>152.0</b>	<b>3</b>	<b>164.6</b>	<b>4</b>	<b>190.0</b>	<b>4</b>	<b>4,672.9</b>
Quarter 1	59	45	4,310,453	0.38	622.6	39	703.3	43	109.7	7	43.2	3	78.5	5	59.6	4	1,616.9
Quarter 2	59	47	1,534,075	0.35	189.9	35	196.6	36	73.7	14	17.6	3	31.0	6	33.6	6	542.5
Quarter 3	58	45	505,247	0.28	38.7	27	77.0	54	10.1	7	5.7	4	2.8	2	8.2	6	142.5
Quarter 4	58	52	7,901,999	0.30	524.2	22	1,455.7	61	164.9	7	85.5	4	52.2	2	88.6	4	2,371.0
First Semester	59	46	5,844,528	0.37	812.5	38	899.9	42	183.4	8	60.8	3	109.5	5	93.3	4	2,159.4
Second Semester	58	49	8,407,246	0.30	562.9	22	1,532.7	61	175.0	7	91.2	4	55.1	2	96.8	4	2,513.5

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

(Database Closed on 30/06/2022)

Country: TAIWAN PROVINCE OF CHINA

Year: 2020

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	65	55	3,188,990	0.57	720.2	40	654.4	36	84.2	5	85.1	5	157.8	9	103.3	6	1804.9
Feb	65	21	568,154	0.44	72.2	29	105.0	42	14.3	6	9.1	4	34.4	14	13.4	5	248.4
Mar	66	6	238,337	0.49	6.8	6	56.2	49	17.6	15	3.9	3	19.9	17	11.4	10	115.9
Apr	50	17	299,217	0.62	26.4	14	108.6	59	16.5	9	8.5	5	15.9	9	8.7	5	184.7
May	38	23	613,997	0.56	48.8	14	179.8	52	57.7	17	16.2	5	19.0	6	21.4	6	343.0
Jun	29	3	80,030	0.66	5.1	10	11.0	21	24.8	47	0.6	1	6.3	12	5.5	10	53.2
Jul	18	2	25,220	0.31	0	0	0.2	2	3.6	46	0.2	3	1.6	20	2.2	29	7.7
Aug	19	0	0	0	0.0	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	6.0	11	3.1	6	5.2	10	4.9	9	52.4
Oct	46	27	1,024,622	0.43	123.4	28	172.4	39	45.0	10	13.4	3	51.5	12	36.9	8	442.7
Nov	67	57	3,322,093	0.46	420.8	28	752.4	50	103.9	7	40.9	3	123.2	8	75.1	5	1516.2
Dec	67	59	4,693,819	0.58	780.6	29	1530.1	56	104.1	4	49.6	2	155.7	6	101.5	4	2721.4
<b>Annual</b>	<b>46</b>	<b>23</b>	<b>14,202,964</b>	<b>0.53</b>	<b>2,213.3</b>	<b>30</b>	<b>3,594.1</b>	<b>48</b>	<b>477.6</b>	<b>6</b>	<b>230.7</b>	<b>3</b>	<b>590.5</b>	<b>8</b>	<b>384.4</b>	<b>5</b>	<b>7,490.6</b>
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

Country: TAIWAN PROVINCE OF CHINA

Year: 2021

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		Total Catch (Mt)
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	70	62	3,996,886	0.42	640.9	38	701.1	42	81	5	36	2	158.3	9	68.4	4	1685.6
Feb	70	44	1,025,127	0.27	86.6	31	103.4	37	19	7	8	3	41.3	15	19.1	7	277.1
Mar	72	25	849,043	0.32	91.1	34	106.0	39	19	7	12	5	28.1	10	12.5	5	268.8
Apr	68	21	619,577	0.36	54.0	24	107.0	47	17	8	13	6	18.6	8	15.5	7	225.3
May	35	12	542,964	0.50	119.6	44	62.0	23	32	12	14	5	26.1	10	17.3	6	271.1
Jun	23	11	145,961	0.54	21.3	27	24.3	31	6	7	2	3	19.8	25	5.7	7	79.2
Jul	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Aug	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep	57	30	927,149	0.37	73.5	22	150.6	44	33	10	11	3	43.6	13	27.1	8	338.9
Oct	80	61	3,844,223	0.37	288.8	20	798.2	56	109	8	42	3	105.0	7	77.9	5	1420.7
Nov	85	67	4,414,733	0.43	570.6	30	989.4	52	101	5	55	3	109.1	6	78.2	4	1902.7
Dec	89	80	4,723,506	0.44	975.9	47	776.4	37	87	4	48	2	117.6	6	80.2	4	2085.0
<b>Annual</b>	<b>58</b>	<b>34</b>	<b>21,089,171</b>	<b>0.41</b>	<b>2,922.3</b>	<b>34</b>	<b>3,818.3</b>	<b>45</b>	<b>503.5</b>	<b>6</b>	<b>241.0</b>	<b>3</b>	<b>667.4</b>	<b>8</b>	<b>402.0</b>	<b>5</b>	<b>8,554.4</b>
Quarter 1	71	44	5,871,057	0.38	818.6	37	910.5	41	118.5	5	56.3	3	227.7	10	100.0	4	2,231.5
Quarter 2	42	15	1,308,502	0.44	194.8	34	193.3	34	55.3	10	29.2	5	64.5	11	38.6	7	575.7
Quarter 3	34	10	927,149	0.37	73.5	22	150.6	44	33.1	10	11.1	3	43.6	13	27.1	8	338.9
Quarter 4	85	69	12,982,462	0.42	1,835.3	34	2,564.0	47	296.7	5	144.4	3	331.6	6	236.4	4	5,408.4
First Semester	56	29	7,179,559	0.39	1,013.4	36	1,103.8	39	173.7	6	85.5	3	292.2	10	138.6	5	2,807.2
Second Semester	59	40	13,909,612	0.41	1,908.9	33	2,714.6	47	329.7	6	155.5	3	375.2	7	263.4	5	5,747.3

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

(Database Closed on 30/06/2022)

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	4.8	6	3.3	4	0	9.0	11		85.0
Feb	8	1	54,000	0.38	9.8	48	5.4	26	1.2	6	1.8	9	1.0	5	1.4	7	20.6
Mar	8	1	24,000	0.40	5.4	57	2.1	22	1.1	12	0.2	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	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	0.0
Jun	8	0	18,966	1.91	0.0	0	0.2	1	16.1	44	0	19.6	54	0.3	1		36.2
Jul	8	0	12,644	1.90	0.0	0	0.1	0	8.3	35	0	15.3	64	0.3	1		24.0
Aug	8	2	34,127	0.77	0.2	1	1.3	5	8.1	31	0.1	16.2	61	0.4	2		26.4
Sep	8	2	63,536	1.37	0.0	0	3.6	4	48.6	56	0.1	34.5	40	0.1	0		86.9
Oct	10	7	349,790	0.55	42.1	22	29.1	15	78.1	41	3.4	33.8	18	5.5	3		192.0
Nov	10	7	400,118	0.50	104.6	53	53.2	27	21.2	11	3.9	8.3	4	6.9	3		198.1
Dec	15	7	363,071	0.46	68.6	41	76.7	45	13.7	8	1.4	3.2	2	5.1	3		168.7
<b>Annual</b>	<b>9</b>	<b>3</b>	<b>1,491,252</b>	<b>0.57</b>	<b>282.0</b>	<b>33</b>	<b>188.6</b>	<b>22</b>	<b>201.4</b>	<b>24</b>	<b>14.3</b>	<b>2</b>	<b>131.7</b>	<b>16</b>	<b>29.5</b>	<b>3</b>	<b>847.5</b>
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

Country: OTHERS

Year: 2021

Area: SYC EEZ

Month	Vessels Licensed (Number)	Vessels Covered (Number)	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
					Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
					(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
Jan	14	10	571,453	0.34	64.3	33	99.6	51	14	7	3	1	6.2	3	9.0	5	195.7
Feb	17	5	80,000	0.21	1.4	8	6.1	36	4	23	0	0	5.4	32	0.2	1	17.0
Mar	14	4	144,509	0.63	7.5	8	6.9	8	21	23	1	1	54.9	60	1.0	1	91.6
Apr	14	3	125,114	0.74	2.0	2	5.1	5	29	31	0	0	56.0	60	0.4	0	92.7
May	12	5	185,300	0.34	35.9	57	8.5	13	8	12	1	2	5.0	8	5.2	8	63.2
Jun	10	5	302,300	0	57	52	20	18	9	8	2	2	6	6	15	14	110
Jul	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Aug	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Sep	11	5	108,345	0.36	14.6	37	13.1	33	3	9	1	2	2.7	7	4.4	11	39.0
Oct	12	7	556,942	0.40	57.1	26	125.0	56	14	6	5	2	14.6	7	8.3	4	223.7
Nov	12	7	519,000	0.43	88.1	39	108.5	48	10	5	4	2	6.4	3	6.8	3	224.4
Dec	14	9	648,033	0.45	201.3	69	44.1	15	7	2	4	1	5.6	2	28.3	10	290.5
<b>Annual</b>	<b>13</b>	<b>5</b>	<b>3,240,996</b>	<b>0.42</b>	<b>529.3</b>	<b>39</b>	<b>437.1</b>	<b>32</b>	<b>119.0</b>	<b>9</b>	<b>20.5</b>	<b>2</b>	<b>163.2</b>	<b>12</b>	<b>78.7</b>	<b>6</b>	<b>1,347.8</b>
Quarter 1	15	6	795,962	0.38	73.1	24	112.6	37	38.5	13	3.4	1	66.5	22	10.1	3	304.3
Quarter 2	12	4	612,714	0.43	95.1	36	33.9	13	46.0	17	2.8	1	67.4	25	20.8	8	266.0
Quarter 3	10	2	108,345	0.36	14.6	37	13.1	33	3.4	9	0.9	2	2.7	7	4.4	11	39.0
Quarter 4	13	8	1,723,975	0.43	346.5	47	277.5	38	31.2	4	13.3	2	26.6	4	43.4	6	738.5
First Semester	14	5	1,408,676	0.40	168.2	29	146.5	26	84.5	15	6.2	1	133.9	23	30.9	5	570.2
Second Semester	12	5	1,832,320	0.42	361.1	46	290.6	37	34.5	4	14.3	2	29.3	4	47.8	6	777.6

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

(Database Closed on 30/06/2022)

Country: SEYCHELLES

Area: WIO

Year: 2011 - 2021

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
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
2021	39,858,649	0.36	3064.2	21	5825.8	40	1100	8	408	3	578.5	4	3549.7	24	14526.1

Country: SEYCHELLES

Area: Seychelles EEZ

Year: 2011 - 2021

Month	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)
			Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		
			(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	
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
2021	14,251,774	0.33	1375.4	29	2432.6	52	358	8	152	3	164.6	4	190.0	4	4672.9

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

(Database Closed on 30/06/2022)

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
<b>SYC EEZ Total</b>		<b>10,203,461</b>	<b>0.62</b>	<b>3170.7</b>	<b>50</b>	<b>2194.0</b>	<b>34</b>	<b>415</b>	<b>7</b>	<b>162</b>	<b>3</b>	<b>201.3</b>	<b>3</b>	<b>231.4</b>	<b>4</b>	<b>6375.1</b>	
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
<b>Foreign EEZ Total</b>		<b>3,039,691</b>	<b>0.71</b>	<b>813.6</b>	<b>38</b>	<b>769.9</b>	<b>36</b>	<b>192</b>	<b>9</b>	<b>53</b>	<b>2</b>	<b>203.5</b>	<b>9</b>	<b>119.6</b>	<b>6</b>	<b>2151.9</b>	
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
<b>High Seas Total</b>		<b>27,308,294</b>	<b>0.51</b>	<b>3790.6</b>	<b>27</b>	<b>4427.2</b>	<b>32</b>	<b>1113</b>	<b>8</b>	<b>439</b>	<b>3</b>	<b>499.0</b>	<b>4</b>	<b>3673.5</b>	<b>26</b>	<b>13942.4</b>	
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
<b>Grand Total</b>		<b>40,551,445</b>	<b>0.55</b>	<b>7775.0</b>	<b>54</b>	<b>7391.1</b>	<b>51</b>	<b>1721.0</b>	<b>12</b>	<b>654.0</b>	<b>5</b>	<b>903.7</b>	<b>6</b>	<b>4024.6</b>	<b>28</b>	<b>22469.3</b>	

Country: SEYCHELLES

Year: 2021

Area	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)	Cummulative Total (Mt)
				Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others			
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)		
Seychelles EEZ	1	4,310,453	0.38	622.6	39	703.3	43	110	7	43	3	78.5	5	59.6	4	1616.9	1616.9
	2	1,534,075	0.35	189.9	35	196.6	36	74	14	18	3	31.0	6	33.6	6	542.5	2159.4
	3	505,247	0.28	38.7	27	77.0	54	10	7	6	4	2.8	2	8.2	6	142.5	2301.9
	4	7,901,999	0.30	524.2	22	1455.7	61	165	7	86	4	52.2	2	88.6	4	2371.0	4672.9
<b>SYC EEZ Total</b>		<b>14,251,774</b>	<b>0.33</b>	<b>1375.4</b>	<b>29</b>	<b>2432.6</b>	<b>52</b>	<b>358</b>	<b>8</b>	<b>152</b>	<b>3</b>	<b>164.6</b>	<b>4</b>	<b>190.0</b>	<b>4</b>	<b>4672.9</b>	
Foreign EEZ	1	680,921	0.57	191.2	50	120.0	31	19	5	7	2	28.3	7	19.5	5	384.9	384.9
	2	455,393	0.52	81.4	35	80.0	34	20	8	3	1	13.8	6	37.3	16	235.5	620.4
	3	256,829	0.84	67.8	31	92.4	43	20	9	1	1	0	0	34.6	16	216.4	836.8
	4	989,493	0.43	48.3	11	350.3	82	12	3	5	1	0.0	0	11.6	3	427.1	1263.8
<b>Foreign EEZ Total</b>		<b>2,382,636</b>	<b>0.53</b>	<b>388.7</b>	<b>31</b>	<b>642.7</b>	<b>51</b>	<b>71</b>	<b>6</b>	<b>17</b>	<b>1</b>	<b>42.0</b>	<b>3</b>	<b>102.9</b>	<b>8</b>	<b>1263.8</b>	
High Seas	1	3,503,377	0.34	297.2	25	347.1	29	63	5	35	3	104.5	9	335.6	28	1182.0	1182.0
	2	8,251,829	0.46	646.6	17	883.7	23	307	8	92	2	152.5	4	1700.0	45	3782.2	4964.2
	3	8,784,780	0.32	243.2	9	1094.0	39	229	8	76	3	80.3	3	1084.2	39	2806.4	7770.5
	4	2,684,252	0.31	113.1	14	425.6	52	72	9	36	4	34.5	4	136.9	17	818.9	8589.4
<b>High Seas Total</b>		<b>23,224,238</b>	<b>0.37</b>	<b>1300.2</b>	<b>15</b>	<b>2750.5</b>	<b>32</b>	<b>671</b>	<b>8</b>	<b>239</b>	<b>3</b>	<b>371.8</b>	<b>4</b>	<b>3256.8</b>	<b>38</b>	<b>8589.4</b>	
WIO Total	1	8,494,752	0.37	1111.0	35	1170.4	37	191.0	6	85.4	3	211.3	7	414.7	13	3183.8	3183.8
	2	10,241,297	0.45	917.9	12	1160.2	15	400.3	5	113.4	1	197.4	3	1771.0	23	4560.1	7744.0
	3	9,546,856	0.33	349.7	3	1263.5	12	259.2	2	82.8	1	83.1	1	1126.9	10	3165.3	10909.2
	4	11,575,744	0.31	685.6	5	2231.6	15	249.5	2	126.4	1	86.7	1	237.0	2	3616.9	14526.1
<b>Grand Total</b>		<b>39,858,649</b>	<b>0.36</b>	<b>3064.2</b>	<b>21</b>	<b>5825.8</b>	<b>40</b>	<b>1100.1</b>	<b>8</b>	<b>407.9</b>	<b>3</b>	<b>578.5</b>	<b>4</b>	<b>3549.7</b>	<b>24</b>	<b>14526.1</b>	

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

(Database Closed on 30/06/2022)

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%
<b>Quarter 1 Total</b>		<b>46%</b>	<b>6%</b>	<b>49%</b>	<b>43%</b>	<b>8%</b>	<b>49%</b>
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%
<b>Quarter 2 Total</b>		<b>19%</b>	<b>7%</b>	<b>74%</b>	<b>22%</b>	<b>10%</b>	<b>68%</b>
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%
<b>Quarter 3 Total</b>		<b>6%</b>	<b>6%</b>	<b>88%</b>	<b>8%</b>	<b>6%</b>	<b>85%</b>
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%
<b>Quarter 4 Total</b>		<b>81%</b>	<b>4%</b>	<b>15%</b>	<b>83%</b>	<b>4%</b>	<b>13%</b>
<b>Semester 1</b>		<b>33%</b>	<b>6%</b>	<b>61%</b>	<b>33%</b>	<b>9%</b>	<b>58%</b>
<b>Semester 2</b>		<b>56%</b>	<b>5%</b>	<b>40%</b>	<b>61%</b>	<b>5%</b>	<b>34%</b>
<b>Year Total</b>		<b>45%</b>	<b>5%</b>	<b>49%</b>	<b>47%</b>	<b>7%</b>	<b>46%</b>

Country: ALL

Year: 2021

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

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

(Database Closed on 30/06/2022)

Country: Seychelles

Semester 1, Year: 2011 - 2021

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)	(%)	
2011	7,938,200	0.39	231.9	7	1,603.4	52	137	4	96	3	120.3	4	918.9	30	<b>3,107.6</b>
2012	8,142,925	0.86	592.9	8	5,197.4	74	443	6	424	6	96.6	1	263.4	4	<b>7,016.8</b>
2013	12,332,562	0.47	503.4	9	2,910.2	50	591	10	340	6	143.6	2	1,296.8	22	<b>5,785.4</b>
2014	11,407,738	0.48	1,046.6	19	2,545.8	47	579	11	400	7	198.0	4	677.6	12	<b>5,446.9</b>
2015	10,941,202	0.53	1,099.4	19	2,799.5	48	743	13	579	10	175.8	3	410.2	7	<b>5,806.7</b>
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	<b>7,528.7</b>
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	<b>6,879.7</b>
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	<b>8,260.4</b>
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	<b>11,285.6</b>
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	<b>12,582.9</b>
2021	18,736,049	0.41	2,028.9	26	2,330.7	30	591	8	199	3	408.6	5	2,185.7	28	<b>7,744.0</b>

Country: Seychelles

Semester 2, Year: 2011 - 2021

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)	(%)	
2011	8,396,009	0.53	951.9	21	2,478.4	56	259	6	189	4	162.3	4	417.9	9	<b>4,458.2</b>
2012	11,422,308	0.71	627.3	8	5,552.8	69	640	8	685	8	292.2	4	303.3	4	<b>8,100.5</b>
2013	11,144,834	0.51	673.3	12	3,282.9	58	353	6	224	4	248.7	4	863.0	15	<b>5,645.8</b>
2014	10,177,435	0.52	596.5	11	2,714.3	52	386	7	286	5	385.5	7	873.7	17	<b>5,242.4</b>
2015	11,883,834	0.56	1,207.1	18	3,035.7	45	878	13	660	10	260.0	4	672.5	10	<b>6,713.0</b>
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	<b>7,480.0</b>
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	<b>7,824.1</b>
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	<b>9,297.4</b>
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	<b>11,580.3</b>
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	<b>9,886.4</b>
2021	21,122,599	0.32	1,035.3	15	3,495.1	52	509	8	209	3	169.9	3	1,364.0	20	<b>6,782.2</b>



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

(Database Closed on 30/06/2022)

Area: Seychelles EEZ

Year: 2020

Access Regime	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others		Total Catch (Mt)	Cummulative Total (Mt)
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)		
National	1	2077763	0.58	611.1	50	366.7	30	69	6	44	4	70.3	6	52.0	4	1212.8	1212.8
	2	1341731	0.82	489.1	45	399.2	36	104	10	41	4	25.7	2	38.5	4	1098.2	2311.0
	3	361103	0.48	102.1	58	38.6	22	18	10	4	3	4.5	3	7.2	4	174.6	2485.6
	4	6422864	0.61	1968.4	51	1389.5	36	224	6	73	2	100.9	3	133.8	3	3889.4	6375.1
<b>National Total</b>		<b>10203461</b>	<b>0.62</b>	<b>3170.7</b>	<b>50</b>	<b>2194.0</b>	<b>34</b>	<b>415</b>	<b>7</b>	<b>162</b>	<b>3</b>	<b>201.3</b>	<b>3</b>	<b>231.4</b>	<b>4</b>	<b>6375.1</b>	
TTA <sup>1</sup>	1	4238879	0.54	865.0	38	838.7	37	123	5	103	5	212.9	9	138.1	6	2281.0	2281.0
	2	954418	0.61	76.7	13	274.8	47	111	19	23	4	60.8	10	34.0	6	580.0	2860.9
	3	258724	0.69	9.3	5	28.7	16	64	36	3	2	65.7	37	7.8	4	179.3	3040.2
	4	9886654	0.52	1521.0	30	2580.8	50	328	6	111	2	359.0	7	227.2	4	5127.6	8167.8
<b>TTA Agreement Total</b>		<b>15338675</b>	<b>0.53</b>	<b>2472.1</b>	<b>30</b>	<b>3723.0</b>	<b>46</b>	<b>626</b>	<b>8</b>	<b>241</b>	<b>3</b>	<b>698.4</b>	<b>9</b>	<b>407.2</b>	<b>5</b>	<b>8167.8</b>	
TFI <sup>2</sup>	1	5602	1	0.6	16	1.3	39	0	3	0	11	0.2	5	0.9	25	3.4	3.4
	2	57792	0.64	3.6	10	24.8	67	5	12	2	6		0	1.9	5	37.1	40.5
	3	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0	40.5
	4	156223	0.40	19.1	31	31.1	50	4	6	1	2	3.7	6	2.8	5	61.7	102.2
<b>TFI Agreement Total</b>		<b>219617</b>	<b>0.47</b>	<b>23.2</b>	<b>23</b>	<b>57.2</b>	<b>56</b>	<b>8</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>3.9</b>	<b>4</b>	<b>5.5</b>	<b>5</b>	<b>102.2</b>	
EU	1	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0	0.0
	2	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0	0.0
	3	25288	0.72	0.0	0	0.6	3	10	57	0	0	7.1	39	0.1	0	18.1	18.1
	4	110635	0.45	0.0	0	2.0	4	34	68	0	0	12.8	26	1.1	2	49.9	68.1
<b>EU Agreement Total</b>		<b>135923</b>	<b>0.50</b>	<b>0.0</b>	<b>0</b>	<b>2.6</b>	<b>4</b>	<b>44</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>19.9</b>	<b>29</b>	<b>1.2</b>	<b>2</b>	<b>68.1</b>	
All Agreements <sup>3</sup>	1	6322244	0.55	1476.6	42	1206.7	35	192	5	147	4	283.4	8	191.0	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	1715.3	5212.5
	3	645115	0.58	111.5	30	67.9	18	92	25	8	2	77.2	21	15.1	4	372.0	5584.5
	4	16576376	0.55	3508.5	38	4003.4	44	590	6	185	2	476.4	5	364.8	4	9128.7	14713.1
<b>Grand Total</b>		<b>25897676</b>	<b>0.57</b>	<b>5666.0</b>	<b>39</b>	<b>5976.7</b>	<b>41</b>	<b>1094.3</b>	<b>7</b>	<b>407.4</b>	<b>3</b>	<b>923.5</b>	<b>6</b>	<b>645.3</b>	<b>4</b>	<b>14713.1</b>	

<sup>1</sup>Taiwan Deepsea Tuna Longline Boat Owners and Exporters Association

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

All Agreements<sup>3</sup>: Includes few catches reported by vessels under other private agreement

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

(Database Closed on 30/06/2022)

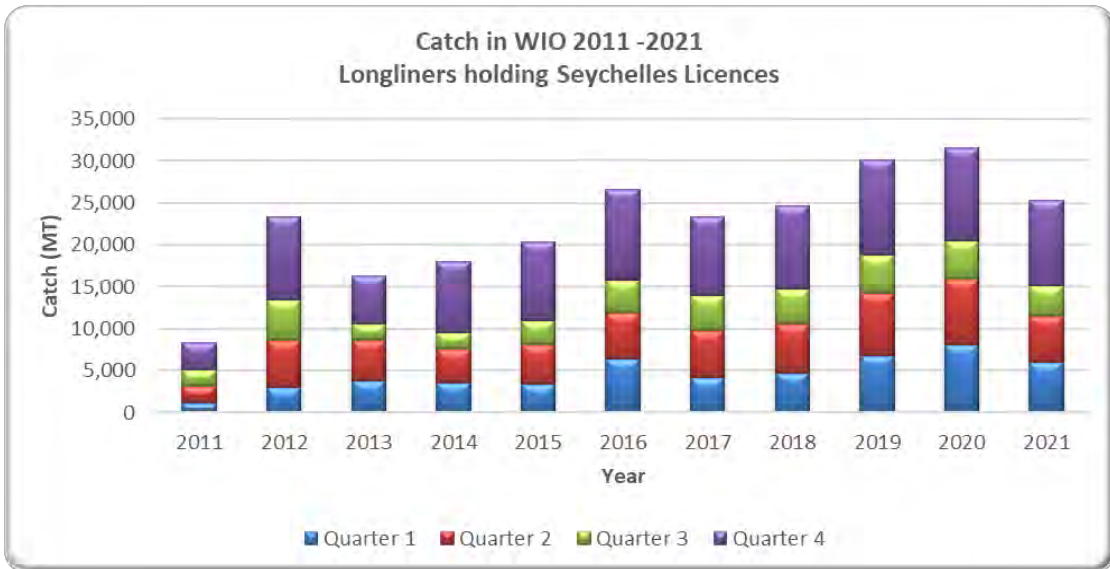
Area: Seychelles EEZ

Year: 2021

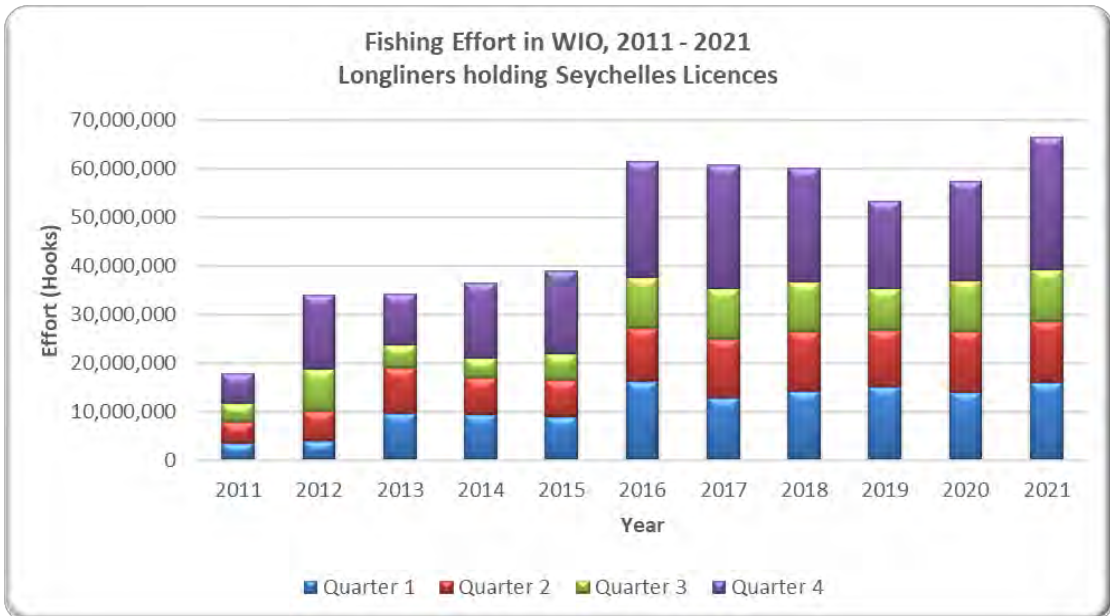
Access Regime	Quarter	Effort (Hooks)	Catch Rate (MT/1000 Hooks)	Catches												Total Catch (Mt)	Cummulative Total (Mt)
				Yellowfin		Bigeye		Swordfish		Marlin		Shark		Others			
				(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)	(Mt)	(%)		
National	1	4310453	0.38	622.6	39	703.3	43	110	7	43	3	78.5	5	59.6	4	1616.9	1616.9
	2	1534075	0.35	189.9	35	196.6	36	74	14	18	3	31.0	6	33.6	6	542.5	2159.4
	3	505247	0.28	38.7	27	77.0	54	10	7	6	4	2.8	2	8.2	6	142.5	2301.9
	4	7901999	0.30	524.2	22	1455.7	61	165	7	86	4	52.2	2	88.6	4	2371.0	4672.9
<b>National Total</b>		<b>14251774</b>	<b>0.33</b>	<b>1375.4</b>	<b>29</b>	<b>2432.6</b>	<b>52</b>	<b>358</b>	<b>8</b>	<b>152</b>	<b>3</b>	<b>164.6</b>	<b>4</b>	<b>190.0</b>	<b>4</b>	<b>4672.9</b>	
TTA <sup>1</sup>	1	5915111	0.38	818.8	36	898.0	39	134	6	56	2	270.3	12	100.3	4	2276.7	2276.7
	2	1207311	0.48	184.5	32	175.0	30	65	11	23	4	99.3	17	30.3	5	577.5	2854.2
	3	967149	0	79.8	22	157.2	44	34	10	12	3	45.1	13	28.8	8	356.5	3210.7
	4	13123368	0	1848.2	34	2592.4	47	300	5	147	3	332.5	6	237.8	4	5458.0	8668.7
<b>TTA Agreement Total</b>		<b>21212940</b>	<b>0.41</b>	<b>2931.4</b>	<b>34</b>	<b>3822.6</b>	<b>44</b>	<b>533</b>	<b>6</b>	<b>237</b>	<b>3</b>	<b>747.2</b>	<b>9</b>	<b>397.2</b>	<b>5</b>	<b>8668.7</b>	
TFI <sup>2</sup>	1	681442	0.34	72.9	32	123.0	53	13	6	4	2	8.3	4	9.8	4	231.2	231.2
	2	659454	0.35	105.4	45	48.9	21	23	10	9	4	16.2	7	29.0	13	231.9	463.1
	3	68345	0.31	8.3	39	6.5	30	2	11	0	2	1.2	6	2.7	12	21.5	484.6
	4	1394969	0.40	219.7	40	227.0	41	27	5	10	2	25.7	5	41.9	8	551.8	1036.4
<b>TFI Agreement Total</b>		<b>2804210</b>	<b>0.37</b>	<b>406.4</b>	<b>39</b>	<b>405.3</b>	<b>39</b>	<b>66</b>	<b>6</b>	<b>24</b>	<b>2</b>	<b>51.4</b>	<b>5</b>	<b>83.4</b>	<b>8</b>	<b>1036.4</b>	
EU	1	70466	0.40	0.0	0	2.1	8	10	36	0	0	15.5	56	0.0	0	27.9	27.9
	2	54451	0.59	0.0	0	3.3	10	13	39	0	0	16.4	51	0.0	0	32.2	60.1
	3	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0	60.1
	4	0	0.00	0.0	0	0.0	0	0	0	0	0	0.0	0	0.0	0	0.0	60.1
<b>EU Agreement Total</b>		<b>124917</b>	<b>0.48</b>	<b>0</b>	<b>0</b>	<b>5.5</b>	<b>9</b>	<b>23</b>	<b>38</b>	<b>0</b>	<b>0</b>	<b>31.9</b>	<b>53</b>	<b>0.0</b>	<b>0</b>	<b>60.1</b>	
All Agreements <sup>3</sup>	1	10977472	0.38	1514.3	36	1726.4	42	267	6	103	2	372.7	9	169.8	4	4152.7	4152.7
	2	3455291	0.40	479.8	35	423.8	31	175	13	50	4	162.9	12	93.0	7	1384.1	5536.8
	3	1540742	0.34	126.9	24	240.6	46	47	9	18	3	49.1	9	39.7	8	520.5	6057.3
	4	22608436	0.38	2705.9	32	4297.2	50	493	6	243	3	410.4	5	368.4	4	8517.9	14575.2
<b>Grand Total</b>		<b>38581941</b>	<b>0.38</b>	<b>4826.9</b>	<b>33</b>	<b>6688.0</b>	<b>46</b>	<b>980.8</b>	<b>7</b>	<b>413.5</b>	<b>3</b>	<b>995.1</b>	<b>7</b>	<b>670.8</b>	<b>5</b>	<b>14575.2</b>	

<sup>1</sup>Taiwan Deepsea Tuna Longline Boat Owners and Exporters Association

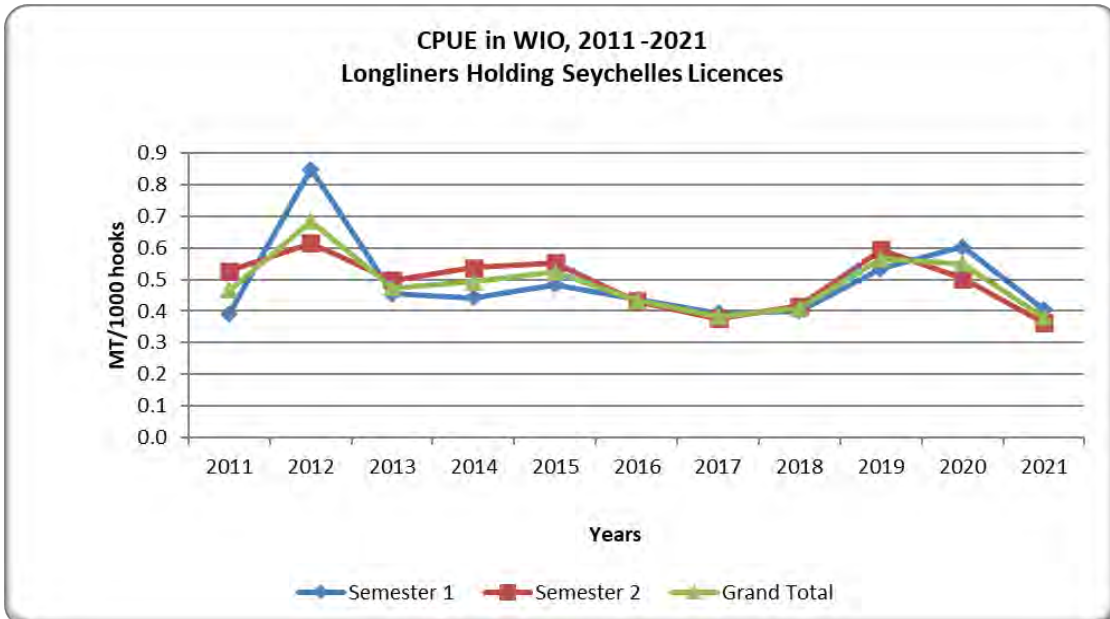
<sup>2</sup>Top Fortune Agreement excluding all Seychelles Flagged vessels that also operates under the TFI agreement



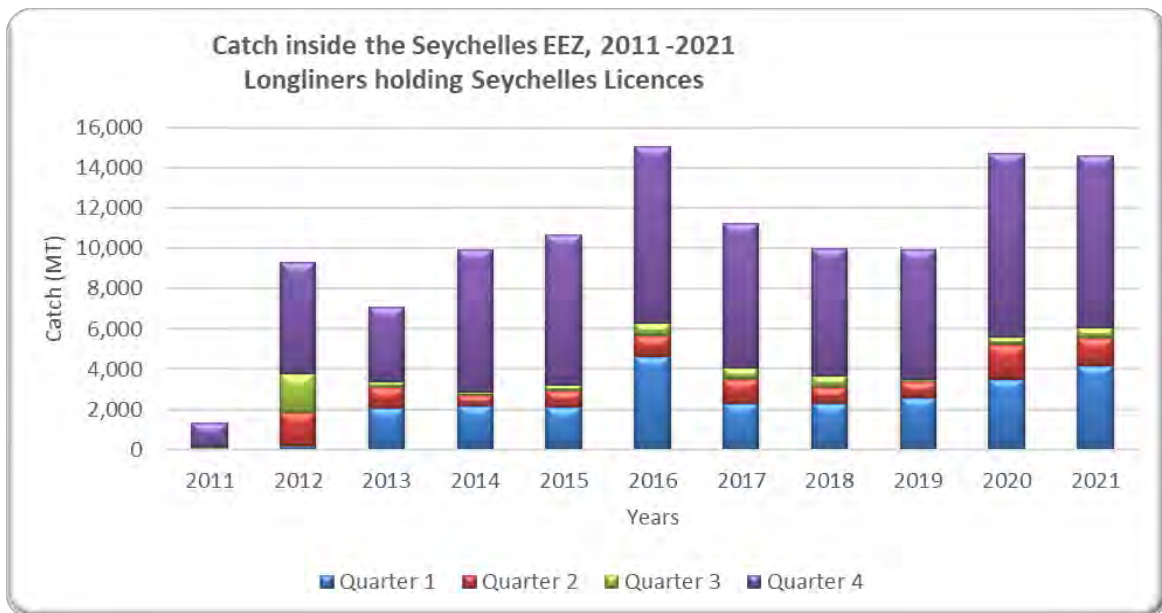
**Figure 2A:** Industrial Longliners Total catch in the WIO by Year, 2011 - 2021



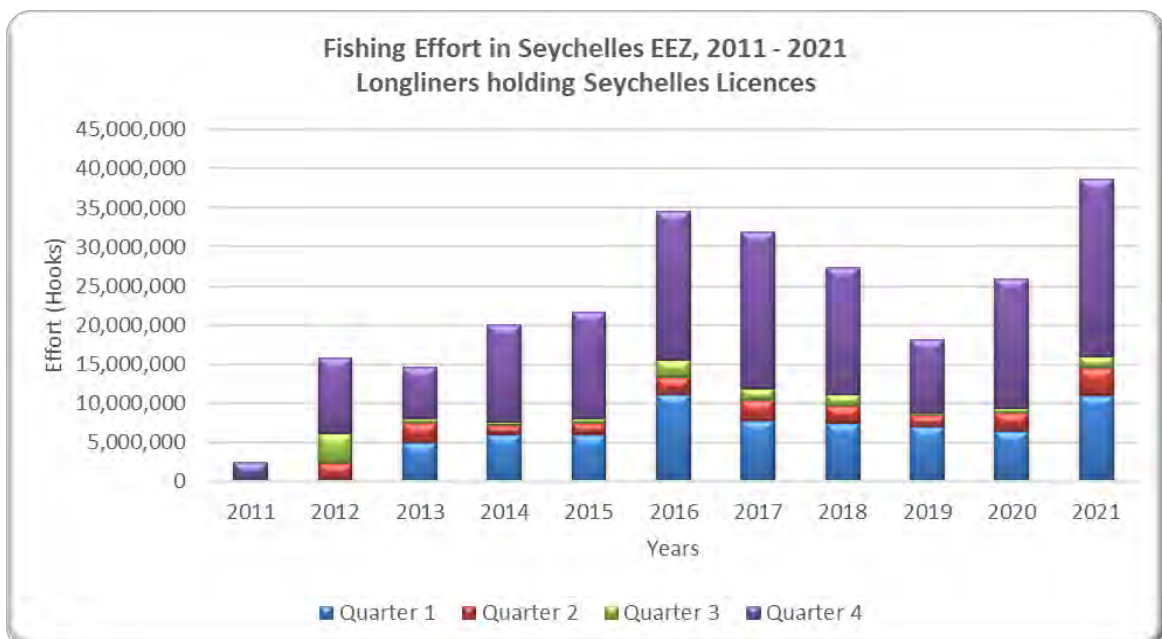
**Figure 2B:** Industrial longliners fishing effort in the WIO by Year, 2011 - 2021



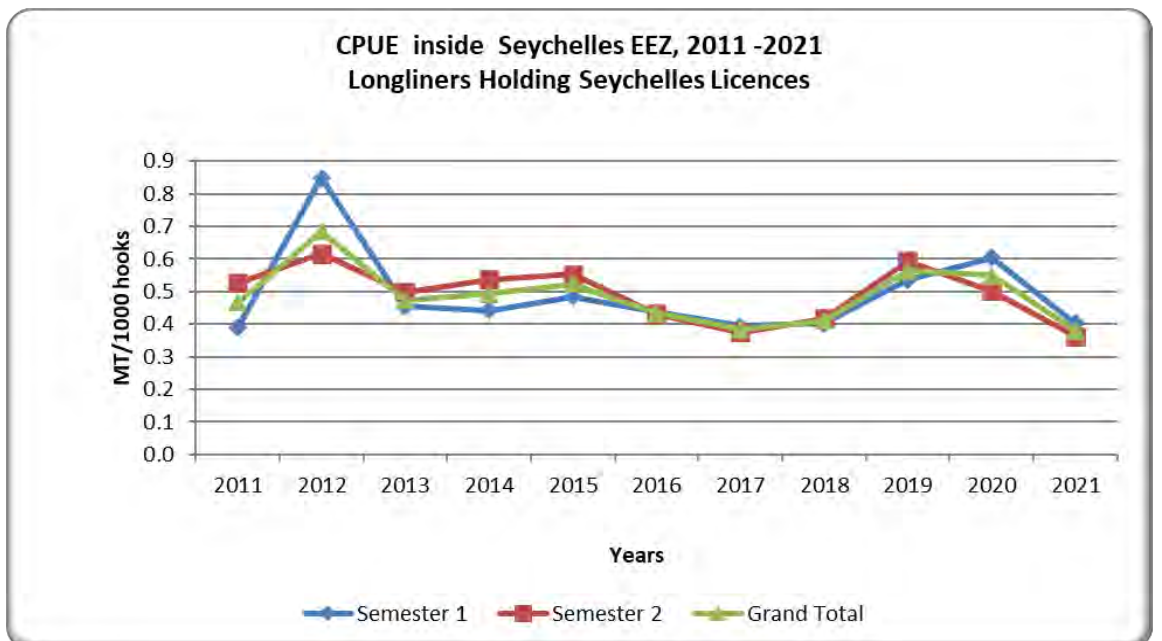
**Figure 2C:** Industrial Longliners CPUE in the WIO by Year, 2011 - 2021



**Figure 2D:** Industrial longliners Total catch in the Seychelles EEZ by Year, 2011 - 2021



**Figure 2E:** Industrial Longliners fishing effort in the Seychelles EEZ by Year, 2011 - 2021



**Figure 2F:** Industrial Longliners CPUE in the Seychelles EEZ by Year, 2011 - 2021

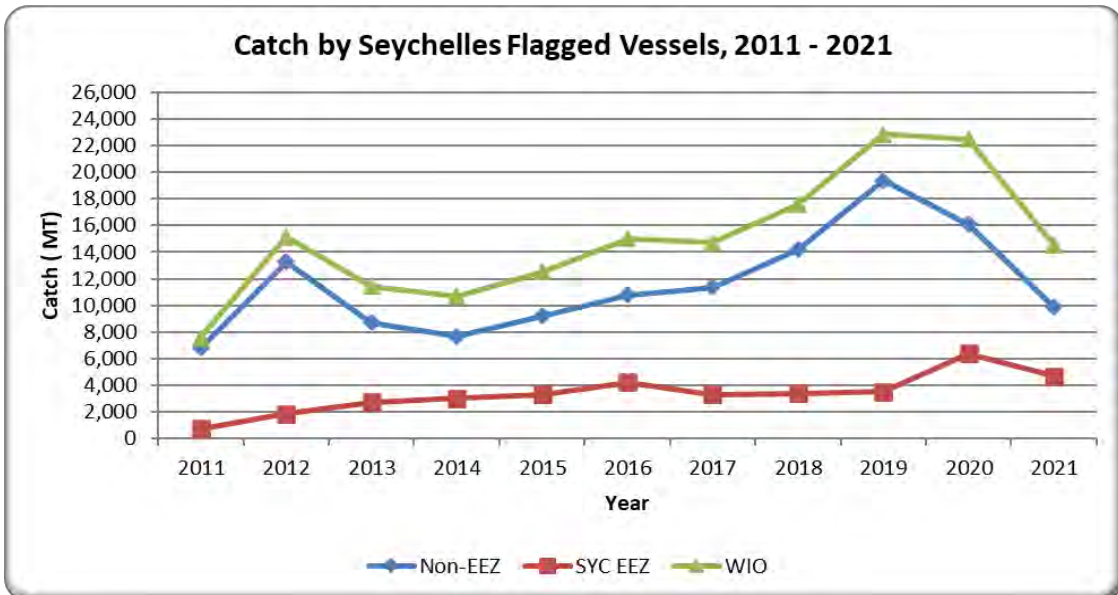


Figure 2G: Seychelles Flagged Longliners Catch, years 2011 -2021

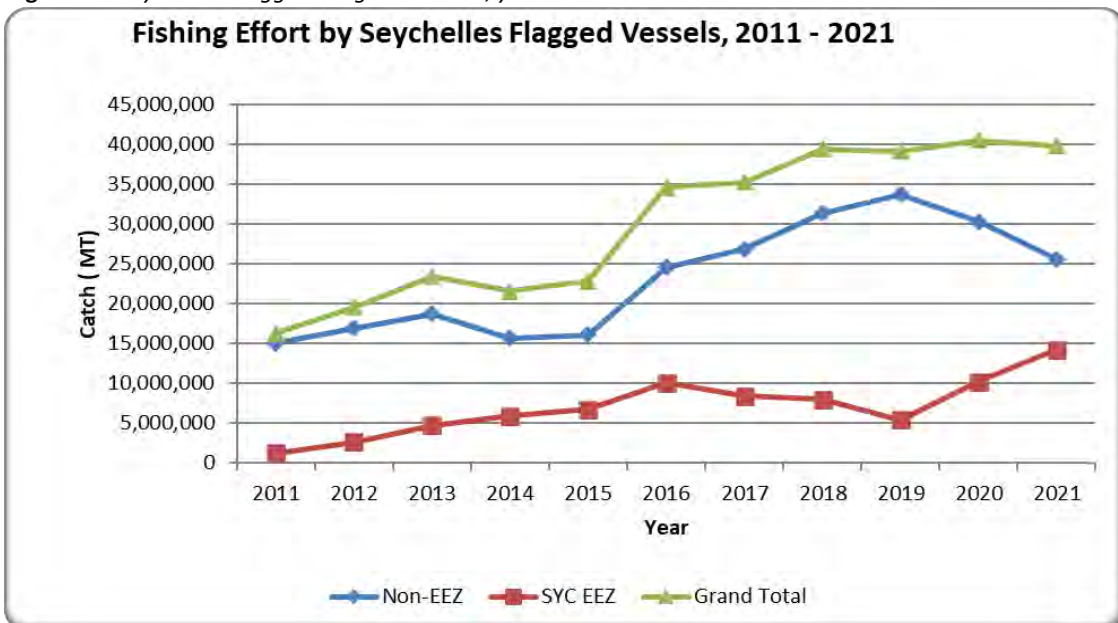


Figure 2H: Seychelles Flagged Longliners Effort, years 2011 -2021

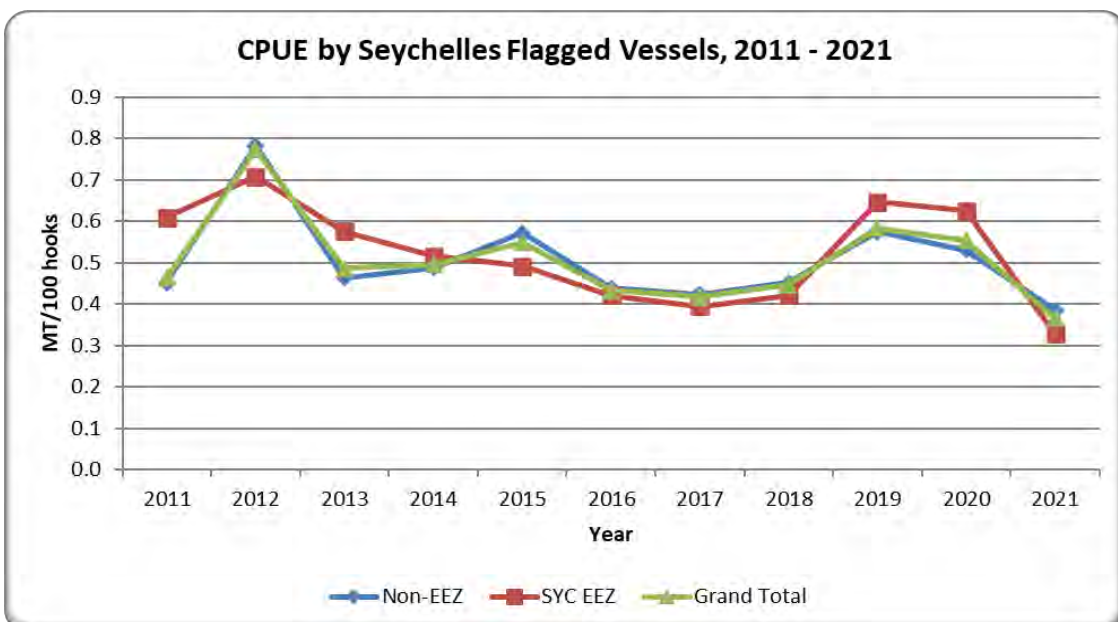
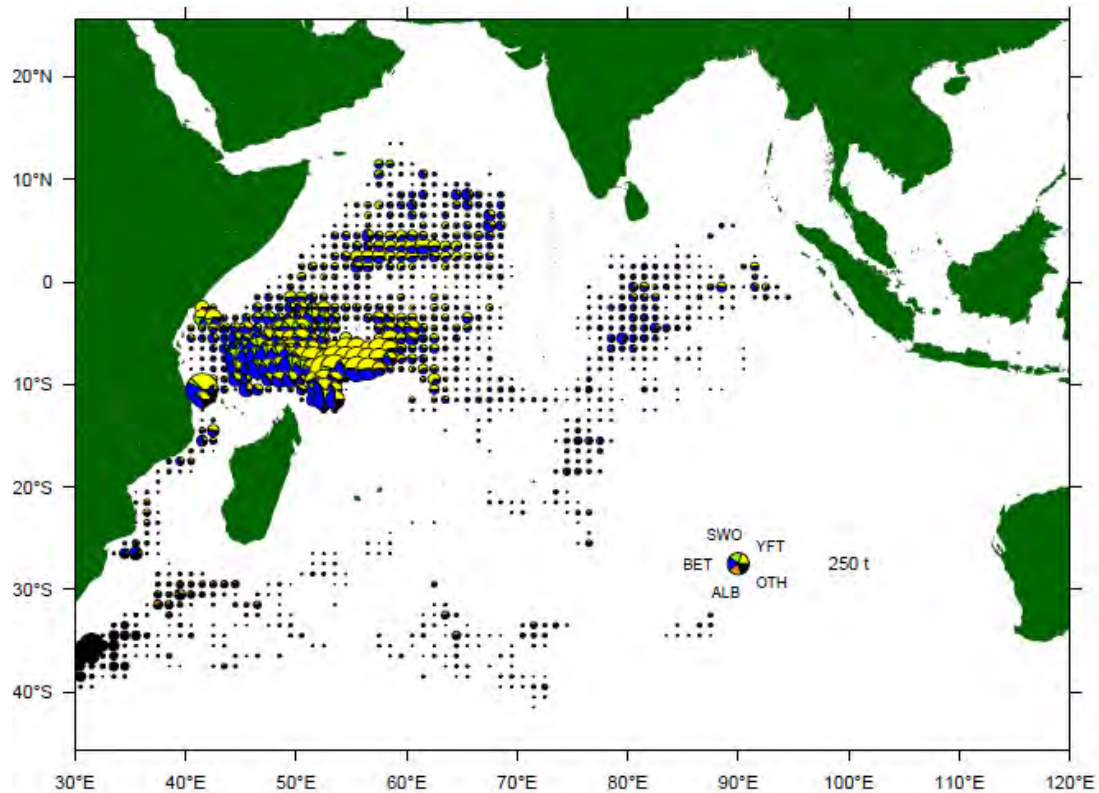


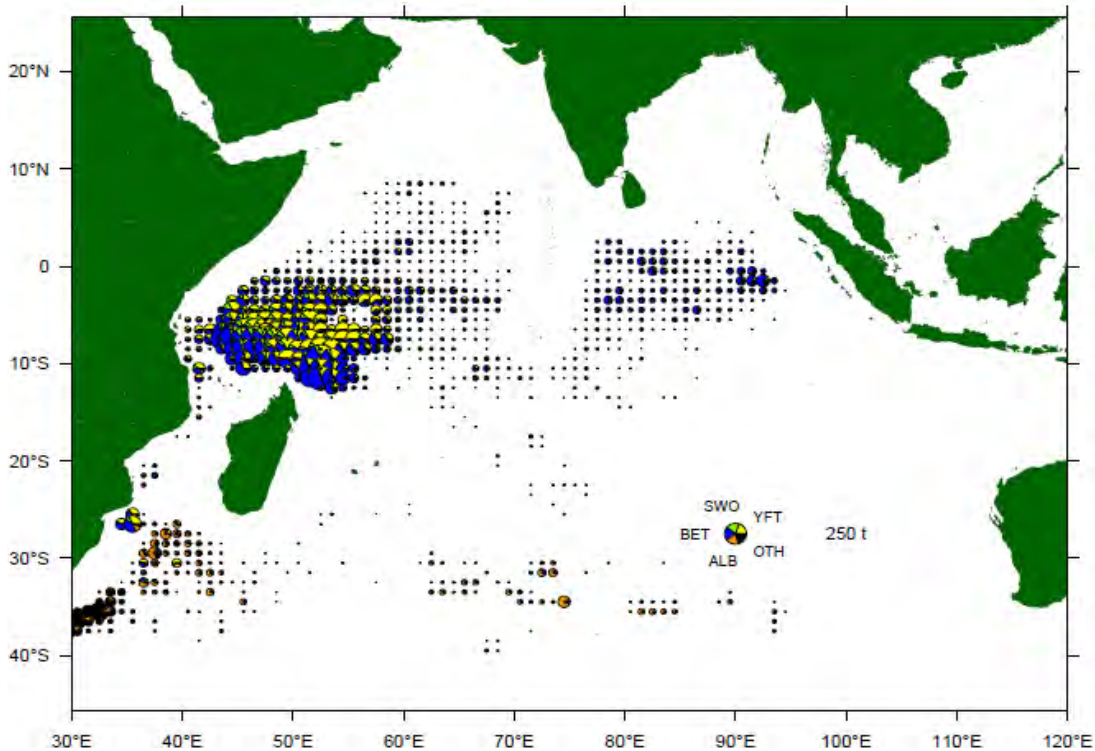
Figure 2I: Seychelles Flagged Longliners CPUE years 2010 -2020

## Fishing Ground Exploited by Industrial Longliners

Map 2A. Industrial longliners fishing ground for Year 2020

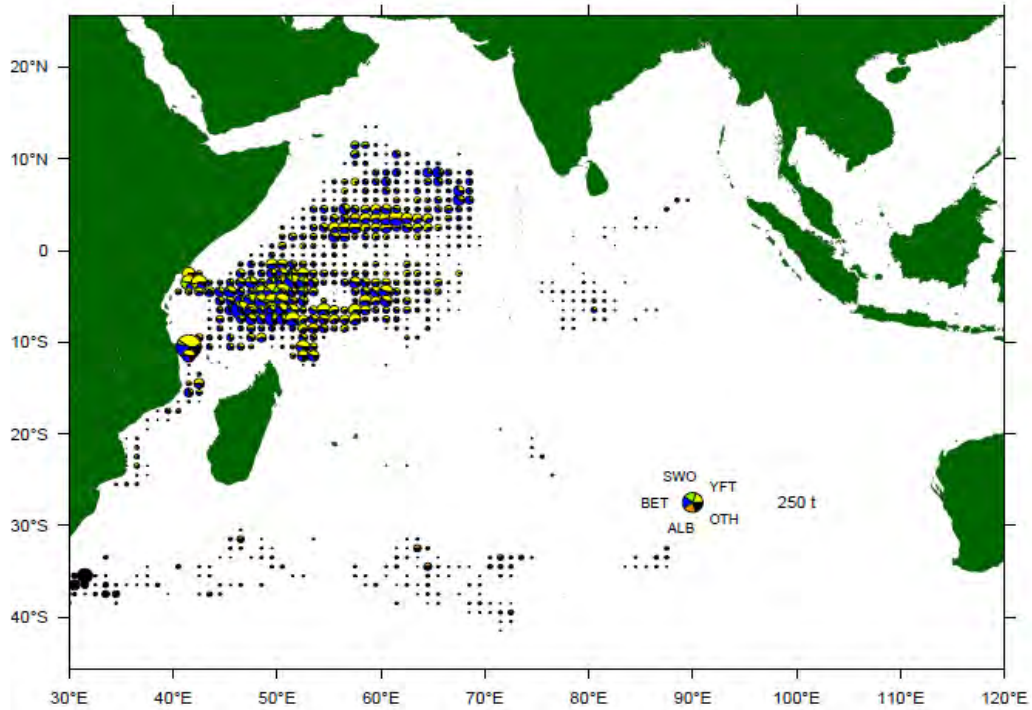


Map 2B. Industrial longliners fishing ground for Year 2021

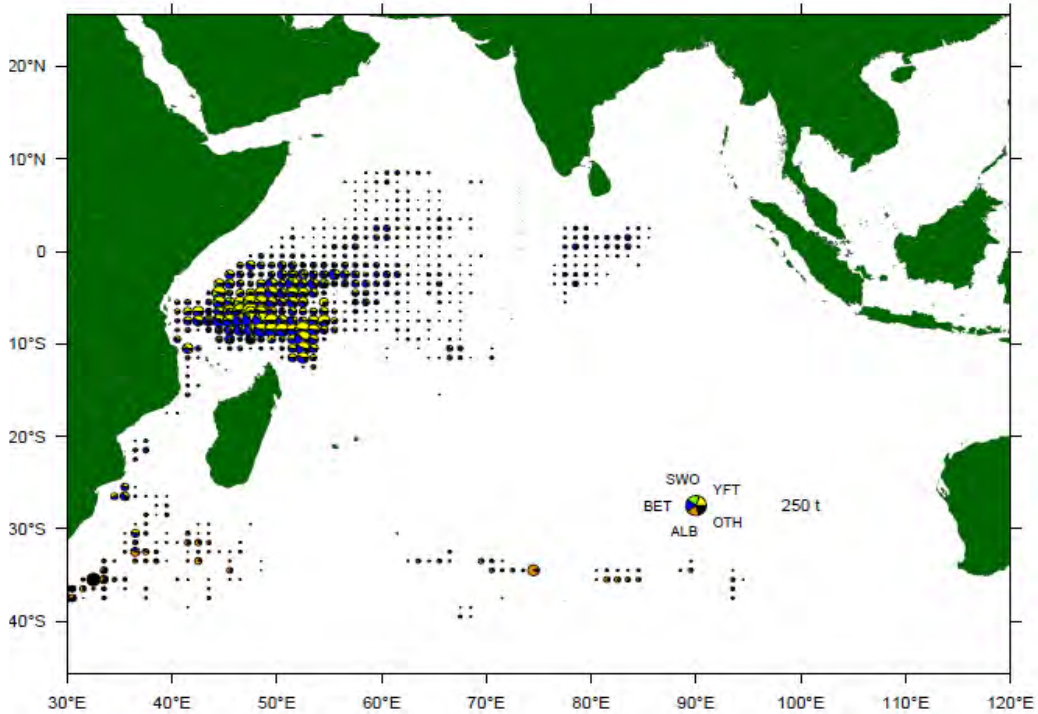


## Fishing Ground Exploited by Industrial Longliners

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

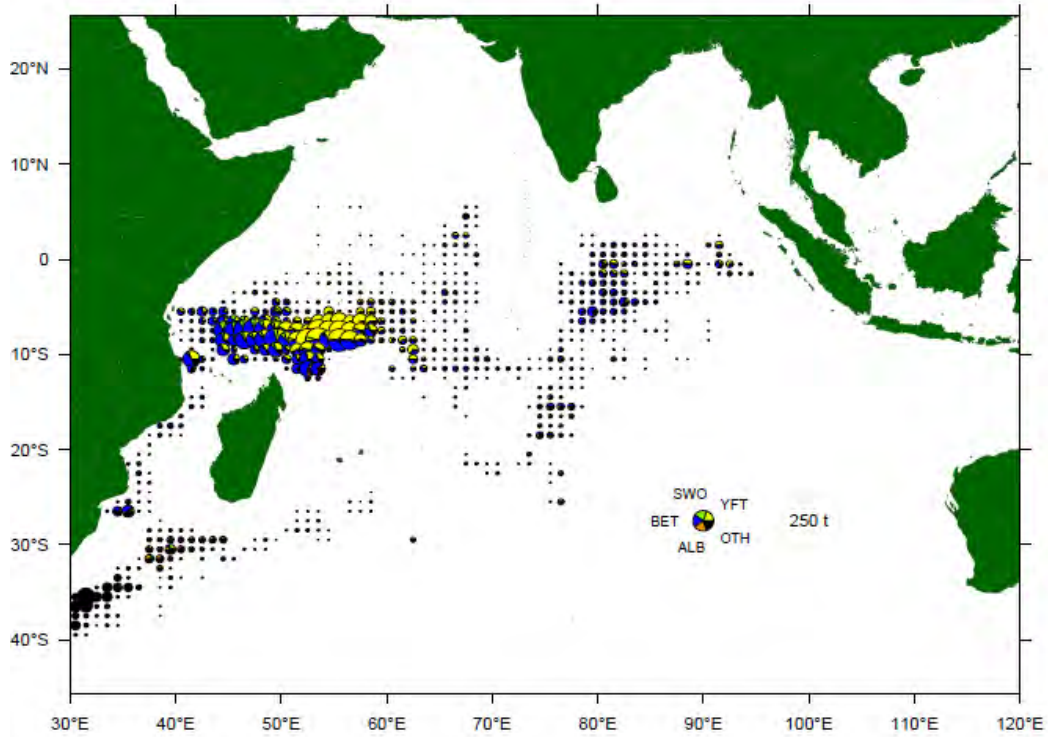


Map 2D. Industrial longliners fishing ground for 1st Semester 2021

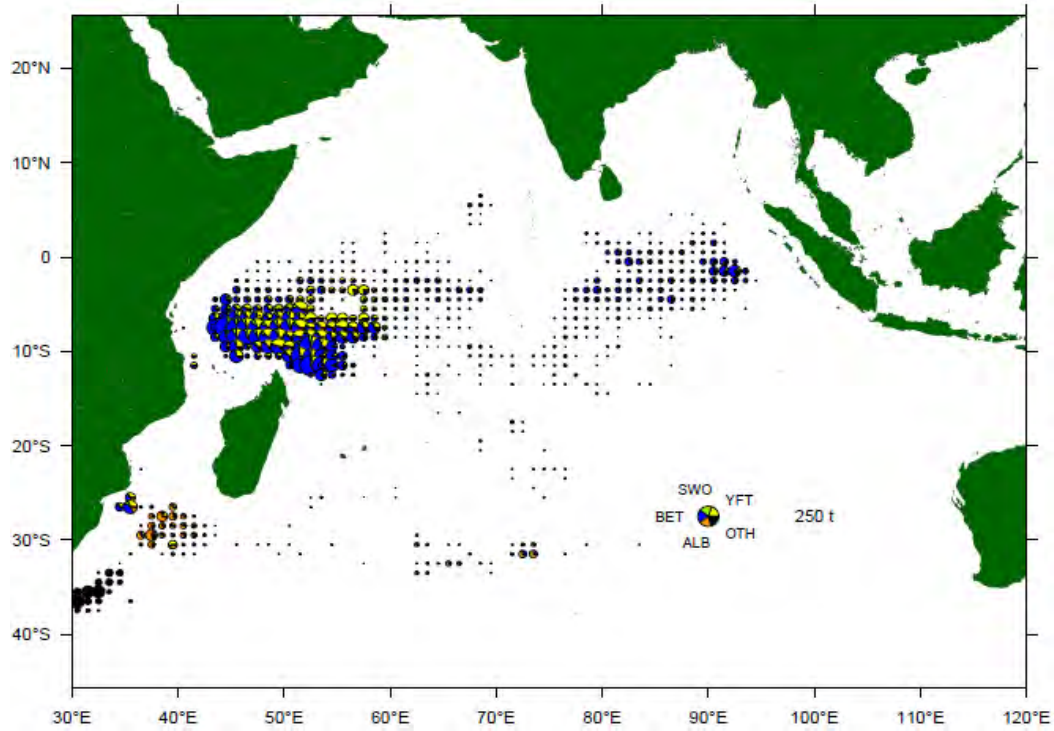


## Fishing Ground Exploited by Industrial Longliners

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



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





# Semi - Industrial Longline Fishery



### 3. SUMMARY OF SEMI INDUSTRIAL FISHERY

#### 3.1. *Vessels Active and Trip Information*

- Readers should note that catches reported during year 2021 and 2020 relates to 100% logbook returned to SFA.
- Over the last 10 years, the number of vessels active in the semi-industrial longline fishery has increased significantly from 4 vessels active in 2011 to 35 vessels active in 2020. The total fishing trips also increased significantly from 24 trips in 2014 to 397 fishing trips in 2019. The average trip duration has increased from an average of 10 days per trip during the period 2011 to 2016 to an average of 14 days per trip during the last 5 years (table 3.0).
- The number of vessels active in the semi-industrial longline fishery increased by 6 vessels from 35 vessel active in 2020 to 41 vessels active during the year 2021.
- A total of 375 fishing trips targeting tuna and swordfish were Conducted by 41 vessels in the year 2021. This represents an increase of 23% in number of trips targeting swordfish and tuna over the 306 fishing trips conducted in 2020 by 35 vessels (table 3.0).

#### 3.2. *Fishing Effort, Catches and Catch Rate*

- The trend in semi-industrial longline catches over the last 10 years shows that the total catch has been on a decreasing trend from 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). However, a 26% decrease in catch was observed in 2020.

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, which was then followed by a 20% decrease in 2020 (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 fluctuate between 0.54 MT/1000 hooks and 0.79 MT/1000 hooks (figure 3C).

- During the year 2021, the Semi industrial fishery reported a total catch of 1,759 MT representing an increase of 18% in catches over the 1,485 MT reported in 2020. This corresponds to an increase of 36% in fishing effort where a total of 2.8 million hooks were sets compared to 2.0 million hooks sets in 2020 (table 3.0). The mean catch rate estimated for the year 2021 stands at 0.64 MT/ 1000 hooks compared to a

mean catch rate of 0.73 MT/ 1000 hooks estimated for the previous year.

### **3.3. Species Composition**

- Historically Swordfish has been the main target species of the semi-industrial longline fishery (figure 3D). However, since 2015, yellowfin tuna replaced swordfish as the dominant species caught by the semi-industrial Longline vessels. Yellowfin tuna has increased significantly from 15 MT in 2014 to reach 1507 MT in 2019 This was followed by 15% decrease to reach 1,277MT in 2020. Increases were also observed in the catches of Swordfish and bigeye tuna from 47MT and 33 MT in 2015 to 313 MT and 119 MT in 2019 respectively. Similar to yellowfin catch, both swordfish and bigeye species recorded a decrease of 57% and 54% respectively in 2020, compared to the catch of the previous year.
- During the year 2021, yellowfin tuna accounted for 89% of the total catch followed by swordfish and bigeye tuna accounting for 6% and 3% of the total catch respectively (figure 3E). During the previous year, the semi-industrial catches was dominated by yellowfin (86%) followed by swordfish (9%) and bigeye tuna (4%) (figure 3f).
- An increase in catches were observed in yellowfin tuna, sailfish and marlin, whilst bigeye and swordfish recorded a decrease in 2021 compared to 2020. A record catch of 1572 MT of yellowfin tuna was reported to have been caught by the semi-industrial longliners in 2021, the highest yellowfin tuna catches recorded since the beginning of the fishery. This represents 23% increase over the 1,277 MT of yellowfin tuna reported for the same period the previous year. Sailfish and marlin also increased from 3 MT and 7 MT in 2020 to 17 MT and 14 MT respectively in 2021. However, swordfish and bigeye tuna decreased by 27% and 10% from 135 MT and 55 MT to reach 99 MT and 50 MT respectively, during the period 2020 to 2021.

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

(Database Closed on 30/04/2022)

**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	1,428,369	0.79	751	91	226	9	44	0	2	1123	
2020	35	150	13	968,136	0.75	604	29	79	1	5	0	7	725	
2021	32	190	14	1,344,911	0.69	805	32	59	11	9	0	6	922	

**Country: SEYCHELLES**

**Semester 2, 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	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	1,120,972	0.79	756	28	86	4	12	0	0	886	
2020	26	156	14	1,061,580	0.72	673	27	56	2	2	0	0	760	
2021	39	185	15	1,412,882	0.59	767	18	39	7	5	0	0	836	

Country: SEYCHELLES

Year: 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	55	10	287,938	0.83	46	23	141	5	7	15	1	<b>238</b>
2012	7	63	10	330,466	0.82	47	38	159	3	9	14	1	<b>271</b>
2013	6	68	11	398,770	0.66	55	24	162	3	5	12	0	<b>262</b>
2014	9	24	10	118,973	0.69	15	5	58	1	1	2	0	<b>82</b>
2015	11	56	11	205,505	0.95	98	33	47	5	11	1	0	<b>195</b>
2016	28	254	11	1,240,940	0.78	574	128	184	21	53	2	2	<b>966</b>
2017	31	330	13	2,057,876	0.54	711	116	191	24	58	2	6	<b>1108</b>
2018	30	297	15	2,072,568	0.61	833	113	226	20	70	1	4	<b>1267</b>
2019	36	397	14	2,549,341	0.79	1507	119	313	13	55	0	2	<b>2008</b>
2020	35	306	14	2,029,716	0.73	1277	55	135	3	7	0	7	<b>1485</b>
2021	41	375	15	2,757,793	0.64	1572	50	99	17	14	1	7	<b>1758</b>

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

(Database Closed on 30/04/2022)

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
<b>Annual</b>	<b>19</b>	<b>306</b>	<b>13</b>	<b>2,029,716</b>	<b>0.73</b>	<b>1277</b>	<b>55</b>	<b>135</b>	<b>3</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>1485</b>
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	201500	0.43	79	2	7	0	0	0	0	87
Feb	22	23	19	153,362	0.28	28	4	8	0	1	0	1	42
Mar	24	29	14	217,143	0.58	88	17	17	1	2	0	0	125
Apr	26	41	13	267,817	0.91	215	5	12	7	3	0	1	243
May	25	36	12	264,815	1.01	250	3	10	2	1	0	2	267
Jun	25	33	14	240,274	0.66	146	3	6	1	1	0	2	158
Jul	15	18	14	151,226	0.36	49	1	5	1	0	0	0	55
Aug	16	21	15	145,080	0.67	82	3	8	2	1	0	0	97
Sep	20	20	19	166,897	0.45	63	6	6	0	0	0	0	75
Oct	26	37	16	249,353	0.66	150	4	10	0	1	0	0	165
Nov	32	40	15	330,124	0.65	201	4	9	2	2	0	0	216
Dec	34	49	14	370,202	0.62	223	0	2	1	1	0	0	228
<b>Annual</b>	<b>24</b>	<b>375</b>	<b>15</b>	<b>2,757,793</b>	<b>0.64</b>	<b>1572</b>	<b>50</b>	<b>99</b>	<b>17</b>	<b>14</b>	<b>1</b>	<b>7</b>	<b>1758</b>
Quarter 1	23	80	16	572,005	0.44	195	22	31	1	4	0	1	254
Quarter 2	25	110	13	772,906	0.86	611	10	28	10	5	0	5	668
Quarter 3	17	59	16	463,203	0.49	193	10	19	3	1	0	0	227
Quarter 4	31	126	15	949,679	0.64	574	8	21	3	4	0	0	609
First Semester	24	190	15	1,344,911	0.69	805	32	59	11	9	0	6	922
Second Semester	24	185	16	1,412,882	0.59	767	18	39	7	5	0	0	836

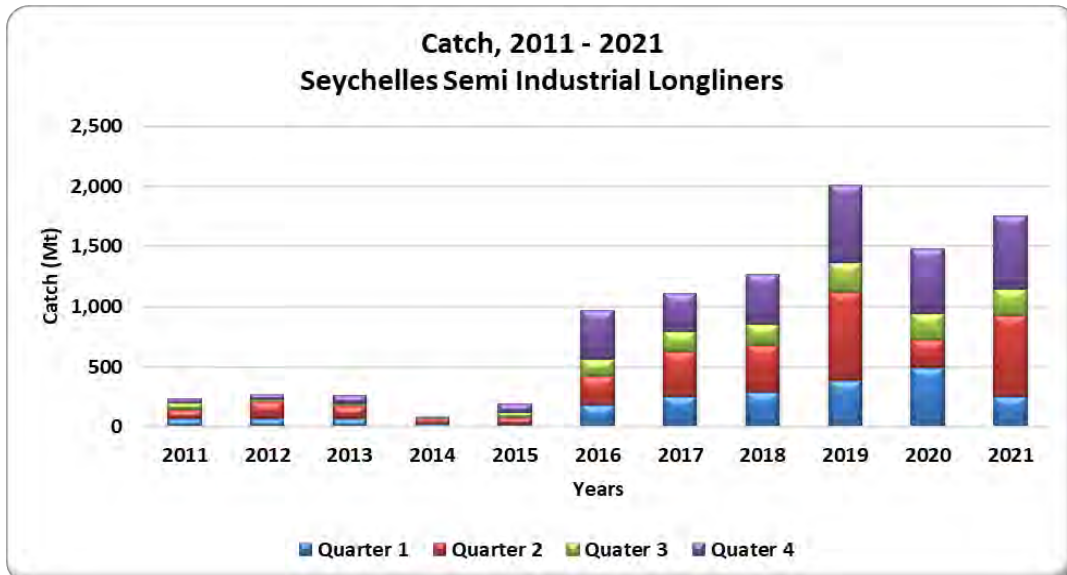


Figure 3A: Semi-Industrial Longliners Total catch by Year, 2011 - 2021

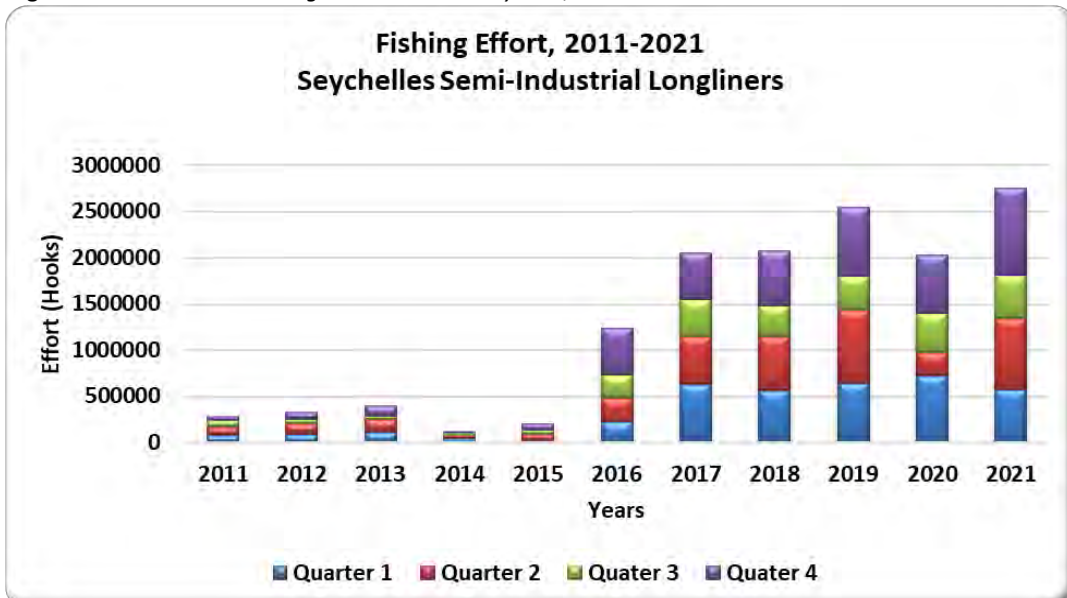


Figure 3B: Semi-Industrial longliners fishing effort by Year, 2011 - 2021

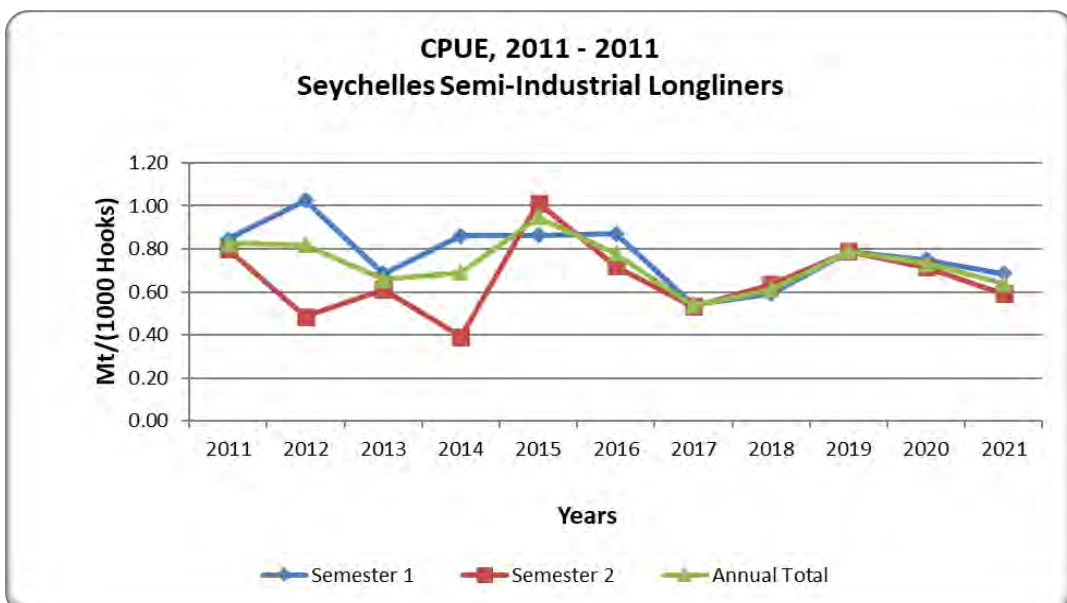


Figure 3C: Semi-Industrial Longliners CPUE by Year, 2011 - 2021

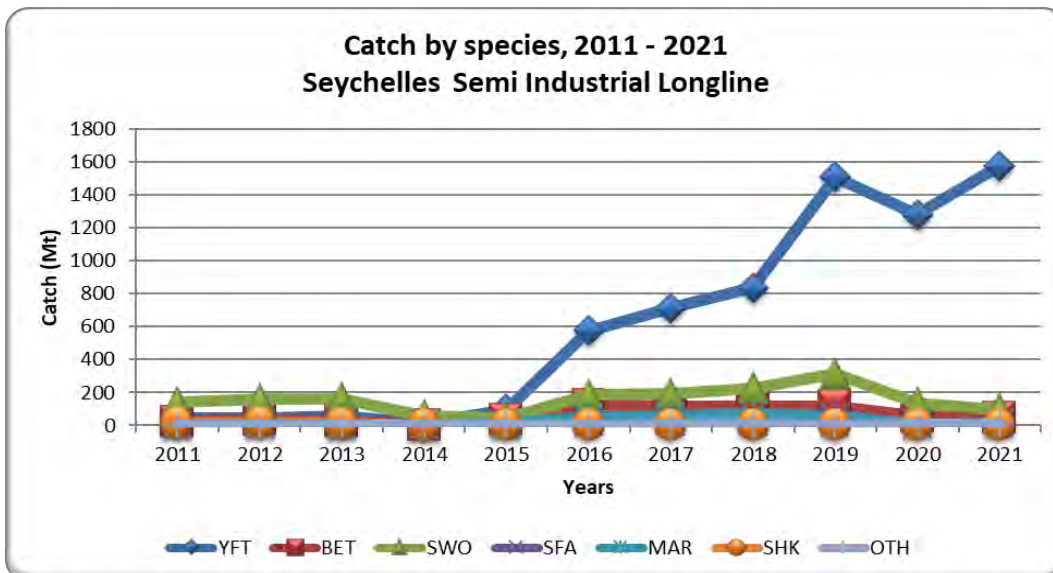


Figure 3D: Semi-Industrial Longliners catch by species by Year, 2011 - 2021

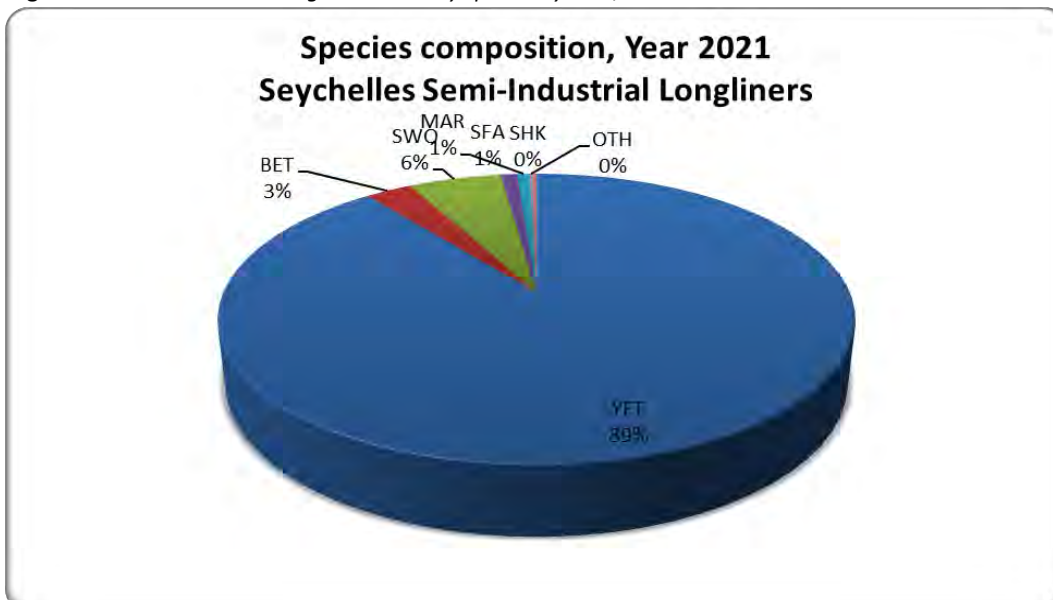


Figure 3E: Semi-Industrial longliners species composition, Year 2021

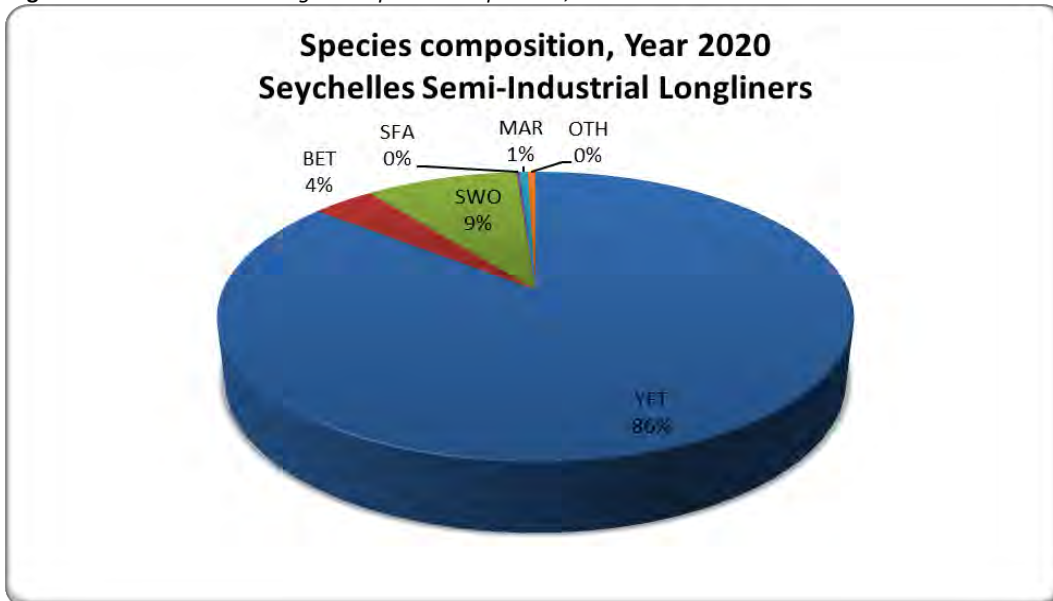


Figure 3F: Semi-Industrial longliners species composition, Year 2020



# Artisanal Fishery



Pirogue



Whaler



Mini Mahe



Lekonomie



Lavenir



Schooners



## 4. SUMMARY OF ARTISANAL FISHERY

### 4.1. *Vessel Active*

- Readers should note that all figures for semester 1, year 2021 presented in this report for artisanal fishery is preliminary and may be revised in the next edition of the statistical report.
- The historical trend shows an increasing trend in mean number of boats operating per month from the year 2013 to reach a record high of 476 boats active per month in 2016 and has since then has since then been on a decreasing trend reaching only 338 boats active per month in 2020 (Table 4.1A).
- The mean number of boats operating per month in the artisanal fishery, during the first semester of year 2021 has increased to 327 boats active per month when compared to a mean of 303 boats active per month during the first semester of the previous Year (Table 4.1B). The highest increased was observed in mean number of schooner actives from an average of 43 vessel active during the first semester of 2020 to 56 vessels active during the same period in 2021.

In terms of vessel type, 62% of the fleets were outboard vessels, 19% were whalers and 17% were schooners during the first semester of year 2021 compared to 64% of outboard, 17% of whalers and 14% of schooners active during the same period the previous year. (Table 4.1B).

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

- Time series of catches shows that on average a total of 2,688 MT per year was reported for the artisanal fishery of during the piracy threat in Indian ocean in the years 2011 and 2012 (Table 4.2 and Figure 4A). In 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 same until 2019. 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 period 2017 to 2019. In 2020, a 22% decreased was recorded in the total artisanal catches compared to the previous year. This decreased may be attributed to the covid19 pandemic where restrictions on movement was imposed by the Public Health from mid-March to June 2020.
- During the first semester of the year 2021, the total artisanal catches increased by 28% to reach 2346 MT compared to a total catch of 1833 MT estimated for the same period the previous year. This corresponds to an increase in mean number of boats active per month and fishing effort during the first semester of 2021 (figure 4A).
- Historically, Outboard accounted for the higher proportion of the artisanal catches and the same was observed during the first six months of 2021 where outboard, schooners and whalers accounted for 48%, 24% and 22% of the total artisanal catches respectively. During the first six months of 2020 outboard, schooners and whalers represented 54%, 14% and 24% of the total artisanal catches respectively. It can be observed that during the first semester of the last 3 years,

schooners has replaced whalers as the vessels accounting for the second highest proportion of the artisanal fishery catches. (Table 4.2A).

#### **4.3. Catch Statistics by Gear Type**

- Trend analysis of catches by gear type shows that handline fisheries historically dominated artisanal catches followed by encircling gillnet (Table 4.3 and Figure 4C).
- Typical of previous years, the handline fishery dominated artisanal fisheries catches, accounting for 70% of total landings during the first six months of 2021 followed by encircling gillnet (12%) and static trap (11%). Increased catches were observed among all fisheries except for 'other fishery' where catches decreased from 103.8 MT during the first semester of year 2020 to 98.6 MT during the same period in the year 2021. The decrease was observed mainly in the dropline fishery.

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

- Between 2011 and 2013, artisanal catches have been dominated by carangues, maquereau doux, job and bourgeois accounting on average 29%, 13%, 11% and 10% 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. Catches of bourgeois, job and maquereau doux continued to increase until 2019 whilst catches of carangues recorded a decrease during the same period.
- During the first semester of the year 2021, increase in catches were observed across most species group with the exception of other pelagics, shark & rays, other mackerel, jobs, bonito and carangues. Most significant increase were observed in crab (2446%), octopus (535%), bourgeois (171%), other vieille (109%), cordonier (94%) and becune (81%). Some of the most dominant species, carangues, and job decreased by 4 % and 11% respectively whilst maquereau doux increased by 23 % and during semester 1 of year 2021 when compared to the same period in 2020.
- The most important species groups landed for the first semester of the year 2021 were carangues (24%), bourgeois (14%), job (11%) and maquereau Doux (9%). During the same period in 2020, the artisanal catches were dominated by carangues (32%), job (15%), maquereau doux (9%) and bourgeois (7%) (Figure 4K).

#### **4.5. Fishing Effort by Vessel Type and Gear Type**

- Time series of effort shows that between 2011 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 and has since then been on a decreasing trend (Table 4.5 and Figure 4M). Fishing effort for trap fishery has been on a decreasing trend reaching 74,963 traps set in 2015 followed by an increasing trend to reach a remarkable 148,022 traps sets in 2017 and has

since then been on a decreasing trend (Figure 4N). For net fishery, the fishing effort has been fluctuating over the last 10 years (Figure 4O).

- During the first six months of the year 2021, the total effort for handline fishery in terms of men-days is estimated at 45,992 men-days representing a 43% increase in effort from the estimated 32,269 men-days during the same period in the year 2020. Increase in fishing effort (men-days) by schooners, whalers and outboard were 50%, 74% and 15%.
- The estimated fishing effort for trap fishery increased by 58% from 38,251 traps sets between January to June 2021 to 60,476 traps set during the same period in 2021. A remarkable increase of 80% was observed in number of traps sets by vessel group as 'others' whilst the number of traps sets by outboard increased by 58%.
- The net fishery recorded a 41% increase in fishing effort during the first semester of year 2021 where a total of 1695 sets were made compared a total of 1197 sets made during the first semester of the previous year.

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

- Time series of catch rate shows that between 2011 and 2016, catch rate by artisanal boats conducting handline fishery fluctuated between 39.7 kg/men-day and 62.7 kg/men-day. In 2017, the catch rate drops to 29.9 kg/ men-day and has since then been on the increase (Table 4.6 and Figure 4S). CPUE for trap fishery has been on an increasing trend reaching 6.0 kg/trap in 2016 and has decreased until 2019 (Figure 4T). Catch rate for net fishery has fluctuated over the last 10 years and (Figure 4U).
- The catch rate for handline fishery decreased from 39.8 kg/ men-day during the first semester of the year 2020 to an estimated 35.0 kg/ men day during the same period in the year 2021. Decreased in handline catch rate were observed by schooners and outboard whilst catch rate in handline fishery increased for whaler and 'other' vessels category.
- During the first semester of year 2021, the CPUE for the trap fishery is estimated at 4.7 kg/ trap compared to 4.6 kg/ trap during the same period for the previous year with the highest catch rate recorded by 'other' vessels category estimated at 5.5 kg/trap.
- The catch rate for net fishery decreases from 221.1 kg/set during the first six months of year 2020 to 166.0 kg/set during the same period in the year 2021 (Table 4.6).

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

(Database Closed on 01/12/22)

**Years: 2011 - 2021**

Vessel Type	Year										
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021**
Fishermen on Foot	26	26	7	4	15	2	0	0	0	0	0
Pirogue	10	9	9	7	7	7	1	1	1	1	1
Outboard	270	283	287	298	305	356	253	274	262	208	201
Inboard	0		1	1	1	1	0	0	0	0	0
Whaler	96	96	99	95	94	94	67	65	61	61	62
Schooner	21	22	20	19	18	13	44	44	49	51	56
Semi Industrial Longliner*	1	2	2	4	5	3	1	2	1	11	3
Others***	0	0	0	0	0	0	3	3	5	6	6
<b>Annual</b>	<b>424</b>	<b>438</b>	<b>425</b>	<b>428</b>	<b>445</b>	<b>476</b>	<b>369</b>	<b>389</b>	<b>379</b>	<b>338</b>	<b>329</b>

\* Semi-industrial longliners conducting artisanal fishing trips

\*\* Number of boats operating per month during semester 1 only.

\*\*\* 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 01/12/22)

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
<b>Annual</b>	<b>1</b>	<b>208</b>	<b>6</b>	<b>61</b>	<b>51</b>	<b>11</b>	<b>336</b>
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
<b>First Semester</b>	<b>0</b>	<b>193</b>	<b>5</b>	<b>51</b>	<b>43</b>	<b>11</b>	<b>303</b>
<b>Second Semester</b>	<b>1</b>	<b>222</b>	<b>6</b>	<b>71</b>	<b>59</b>	<b>11</b>	<b>370</b>

\* Semi-industrial longliners conducting artisanal fishing trips

Country: SEYCHELLES

Year: 2021

Month	Pirogue	Outboard	Others	Whaler	Schooner	Semi Industrial Longliner*	Total
Jan	1	156	6	55	55	1	274
Feb	1	197	8	60	54	1	321
Mar	1	225	7	66	59	1	359
Apr	1	223	4	67	60	2	357
May	1	211	5	67	55	0	339
Jun	1	196	6	57	51	0	311
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
<b>Annual</b>	<b>1</b>	<b>201</b>	<b>6</b>	<b>62</b>	<b>56</b>	<b>1</b>	<b>327</b>
Quarter 1	1	193	7	60	56	1	318
Quarter 2	1	210	5	64	55	1	336
Quarter 3							
Quarter 4							
<b>First Semester</b>	<b>1</b>	<b>201</b>	<b>6</b>	<b>62</b>	<b>56</b>	<b>1</b>	<b>327</b>
<b>Second Semester</b>							

\* Semi-industrial longliners conducting artisanal fishing trips

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

(Database Closed on 01/12/22)

Country: Seychelles

Semester 1, Years 2011 - 2021

Month	Catch (Mt)								Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>
2011	4.4	6.7	557.0	0.0	605.9	259.2	20.1	<b>1453.3</b>	0%	0%	38%	0%	42%	18%	1%
2012	6.6	11.8	669.3	0.0	353.7	231.7	10.3	<b>1283.5</b>	1%	1%	52%	0%	28%	18%	1%
2013	5.7	16.9	575.0	0.0	965.7	223.3	24.9	<b>1811.5</b>	0%	1%	32%	0%	53%	12%	1%
2014	3.0	29.4	776.0	0.0	849.7	289.9	67.3	<b>2015.4</b>	0%	1%	39%	0%	42%	14%	3%
2015	0.7	11.6	636.4	0.0	533.3	183.6	75.0	<b>1440.6</b>	0%	1%	44%	0%	37%	13%	5%
2016	1.6	9.2	766.0	0.0	535.7	152.0	8.7	<b>1473.3</b>	0%	1%	52%	0%	36%	10%	1%
2017	0.0	10.6	1102.3	38.6	383.3	338.9	29.8	<b>1903.6</b>	0%	1%	58%	2%	20%	18%	2%
2018	0.0	4.7	1348.5	57.1	476.3	312.6	75.6	<b>2274.7</b>	0%	0%	59%	3%	21%	14%	3%
2019	0.0	8.5	1447.0	69.5	476.6	509.6	8.7	<b>2519.9</b>	0%	0%	57%	3%	19%	20%	0%
2020	0.0		996.8	46.6	249.6	438.9	100.8	<b>1832.7</b>	0%	0%	54%	3%	14%	24%	5%
2021	0.0	3.7	1132.0	86.1	514.5	573.4	36.6	<b>2346.2</b>	0%	0%	48%	4%	22%	24%	2%

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

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

Country: Seychelles

Semester 2, Years 2011 - 2011

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

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

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

## Country: Seychelles

## Years 2011 - 2021

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

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

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



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

(Database Closed on 01/12/22)

**Country: Seychelles Year: 2020**

Month	Catch (Mt)								Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>
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%
<b>Annual</b>	<b>0.0</b>	<b>8.5</b>	<b>1897.9</b>	<b>84.9</b>	<b>567.4</b>	<b>732.9</b>	<b>168.5</b>	<b>3460.0</b>	<b>0%</b>	<b>0%</b>	<b>55%</b>	<b>2%</b>	<b>16%</b>	<b>21%</b>	<b>5%</b>
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%
<b>First Semester</b>	<b>0.0</b>	<b>0.0</b>	<b>996.8</b>	<b>46.6</b>	<b>249.6</b>	<b>438.9</b>	<b>100.8</b>	<b>1832.7</b>	<b>0%</b>	<b>0%</b>	<b>54%</b>	<b>3%</b>	<b>14%</b>	<b>24%</b>	<b>5%</b>
<b>Second Semester</b>	<b>0.0</b>	<b>8.5</b>	<b>901.1</b>	<b>38.4</b>	<b>317.7</b>	<b>294.0</b>	<b>67.7</b>	<b>1627.3</b>	<b>0%</b>	<b>1%</b>	<b>55%</b>	<b>2%</b>	<b>20%</b>	<b>18%</b>	<b>4%</b>

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

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

**Country: Seychelles Year: 2021**

Month	Catch (Mt)								Catch (%)						
	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>	Total	Fishermen on Foot	Pirogue	Outboard	Others	Whaler	Schooner <sup>1</sup>	Semi Industrial Longliner <sup>2</sup>
JAN	0.0	0.4	174.2	6.5	48.1	93.9	15.8	338.8	0%	0%	51%	2%	14%	28%	5%
FEB	0.0	0.9	158.0	4.5	43.5	78.5	13.4	298.8	0%	0%	53%	2%	15%	26%	4%
MAR	0.0	2.2	280.8	8.4	102.6	69.8		463.8	0%	0%	61%	2%	22%	15%	0%
APR	0.0		188.3	24.1	110.7	126.3	7.4	456.9	0%	0%	41%	5%	24%	28%	2%
MAY	0.0	0.1	210.5	9.7	100.4	77.5		398.1	0%	0%	53%	2%	25%	19%	0%
JUN	0.0	0.1	120.1	33.0	109.3	127.4		389.8	0%	0%	31%	8%	28%	33%	0%
JUL															
AUG															
SEP															
OCT															
NOV															
DEC															
<b>Annual</b>	<b>0.0</b>	<b>3.7</b>	<b>1132.0</b>	<b>86.1</b>	<b>514.5</b>	<b>573.4</b>	<b>36.6</b>	<b>2346.2</b>	<b>0%</b>	<b>0%</b>	<b>48%</b>	<b>4%</b>	<b>22%</b>	<b>24%</b>	<b>2%</b>
Quarter 1	0.0	3.5	613.1	19.4	194.2	242.2	29.2	1101.4	0%	0%	56%	2%	18%	22%	3%
Quarter 2	0.0	0.2	518.9	66.7	320.3	331.2	7.4	1244.7	0%	0%	42%	5%	26%	27%	1%
Quarter 3															
Quarter 4															
<b>First Semester</b>	<b>0.0</b>	<b>3.7</b>	<b>1132.0</b>	<b>86.1</b>	<b>514.5</b>	<b>573.4</b>	<b>36.6</b>	<b>2346.2</b>	<b>0%</b>	<b>0%</b>	<b>48%</b>	<b>4%</b>	<b>22%</b>	<b>24%</b>	<b>2%</b>
<b>Second Semester</b>															

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

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

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

(Database Closed on 01/12/22)

**Country: Seychelles**

**Semester 1, Years 2011 - 2021**

Month	Catch (Mt)									Catch (Mt)								
	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	Total	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	
2011	3.1	184.1	0.0	74.4	130.8	945.1	89.5	26.3	<b>1453.3</b>	0%	13%	0%	5%	9%	65%	6%	2%	
2012	4.5	361.6	1.1	57.7	115.8	650.3	57.3	35.2	<b>1283.5</b>	0%	28%	0%	4%	9%	51%	4%	3%	
2013	4.4	209.8	0.0	34.5	106.4	1355.4	63.8	37.2	<b>1811.5</b>	0%	12%	0%	2%	6%	75%	4%	2%	
2014	2.0	429.1	0.0	41.7	112.5	1179.4	67.9	182.8	<b>2015.4</b>	0%	21%	0%	2%	6%	59%	3%	9%	
2015	0.5	224.4	0.0	26.8	127.3	920.0	47.9	93.8	<b>1440.6</b>	0%	16%	0%	2%	9%	64%	3%	7%	
2016	1.6	265.1	0.0	51.9	143.4	891.3	62.2	57.7	<b>1473.3</b>	0%	18%	0%	4%	10%	60%	4%	4%	
2017	16.3	314.4	0.0	79.2	193.0	1282.5	0.0	18.3	<b>1903.6</b>	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	<b>2274.7</b>	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	<b>2519.9</b>	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	<b>1832.7</b>	0%	14%	0%	2%	8%	70%	0%	6%	
2021	37.1	281.3	0.0	36.4	247.4	1645.3	0.0	98.6	<b>2346.2</b>	2%	12%	0%	2%	11%	70%	0%	4%	

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

**Country: Seychelles**

**Semester 2, Years 2011- 2021**

Month	Catch (Mt)									Catch (Mt)								
	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	Total	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	
2011	4.9	85.5	0.0	31.8	126.7	1090.2	65.9	12.6	<b>1417.6</b>	0%	6%	0%	2%	9%	77%	5%	1%	
2012	3.7	330.3	0.0	34.9	109.9	670.6	52.7	20.9	<b>1222.9</b>	0%	27%	0%	3%	9%	55%	4%	2%	
2013	3.9	532.0	0.0	44.8	182.4	1466.5	65.8	43.4	<b>2338.8</b>	0%	23%	0%	2%	8%	63%	3%	2%	
2014	1.0	328.6	0.0	44.5	148.7	864.9	67.0	162.4	<b>1617.1</b>	0%	20%	0%	3%	9%	53%	4%	10%	
2015	1.1	470.5	0.0	20.0	132.8	1000.9	40.7	107.6	<b>1773.6</b>	0%	27%	0%	1%	7%	56%	2%	6%	
2016	0.7	193.3	0.0	40.2	148.5	610.9	48.1	0.9	<b>1042.5</b>	0%	19%	0%	4%	14%	59%	5%	0%	
2017	2.1	698.2	0.0	85.6	199.7	1452.0	0.0	15.0	<b>2452.6</b>	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	<b>1912.0</b>	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	<b>1891.2</b>	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	<b>1627.3</b>	1%	12%	0%	2%	9%	72%	0%	4%	
2021																		

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

Country: Seychelles

Years : 2011- 2021

Month	Catch (Mt)									Catch (Mt)							
	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*	Total	Harpoon	Encircling Gillnets	Beach Seine	Active Traps	Static Traps	Handlines	Handline& Traps	Others*
2011	7.9	269.7	0.0	106.2	257.5	2035.4	155.3	38.9	<b>2871.0</b>	0%	9%	0%	4%	9%	71%	5%	1%
2012	8.2	691.8	1.1	92.6	225.7	1320.9	109.9	56.0	<b>2506.4</b>	0%	28%	0%	4%	9%	53%	4%	2%
2013	8.3	741.7	0.0	79.3	288.8	2821.9	129.6	80.6	<b>4150.4</b>	0%	18%	0%	2%	7%	68%	3%	2%
2014	3.0	757.7	0.0	86.2	261.2	2044.3	134.9	345.2	<b>3632.5</b>	0%	21%	0%	2%	7%	56%	4%	10%
2015	1.6	694.9	0.0	46.7	260.1	1920.9	88.6	201.3	<b>3214.2</b>	0%	22%	0%	1%	8%	60%	3%	6%
2016	2.3	458.4	0.0	92.1	291.9	1502.2	110.3	58.6	<b>2515.8</b>	0%	18%	0%	4%	12%	60%	4%	2%
2017	18.3	1012.6	0.0	164.8	392.7	2734.5	0.0	33.3	<b>4356.2</b>	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	<b>4186.7</b>	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	<b>4411.1</b>	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	<b>3460.0</b>	1%	14%	0%	2%	8%	71%	0%	5%
2021																	

\*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 01/12/22)

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%
<b>Annual</b>	<b>18.6</b>	<b>467.7</b>	<b>60.8</b>	<b>286.6</b>	<b>2450.4</b>	<b>175.9</b>	<b>3460.0</b>	<b>1%</b>	<b>14%</b>	<b>2%</b>	<b>8%</b>	<b>71%</b>	<b>5%</b>
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%
<b>First Semester</b>	<b>5.0</b>	<b>264.7</b>	<b>35.1</b>	<b>141.0</b>	<b>1283.1</b>	<b>103.8</b>	<b>1832.7</b>	<b>0%</b>	<b>14%</b>	<b>2%</b>	<b>8%</b>	<b>70%</b>	<b>6%</b>
<b>Second Semester</b>	<b>13.6</b>	<b>203.0</b>	<b>25.7</b>	<b>145.6</b>	<b>1167.3</b>	<b>72.1</b>	<b>1627.3</b>	<b>1%</b>	<b>12%</b>	<b>2%</b>	<b>9%</b>	<b>72%</b>	<b>4%</b>

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

Country: Seychelles Year: 2021

Month	Catch (Mt)							Catch (%)					
	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*	Total	Harpoon	Encircling Gillnets	Active Traps	Static Traps	Handlines	Others*
JAN	2.6	59.8	1.1	25.0	250.3		338.8	1%	18%	0%	7%	74%	0%
FEB	6.8	45.7	2.5	45.3	198.6		298.8	2%	15%	1%	15%	66%	0%
MAR	20.4	101.3	9.8	33.0	299.3		463.8	4%	22%	2%	7%	65%	0%
APR	1.7	32.0	7.4	45.1	358.5	12.2	456.8	0%	7%	2%	10%	78%	3%
MAY	4.2	39.6	6.6	59.8	287.9		398.1	1%	10%	2%	15%	72%	0%
JUN	1.5	2.9	9.0	39.2	250.7	86.5	389.8	0%	1%	2%	10%	64%	22%
JUL													
AUG													
SEP													
OCT													
NOV													
DEC													
<b>Annual</b>	<b>37.1</b>	<b>281.3</b>	<b>36.4</b>	<b>247.4</b>	<b>1645.3</b>	<b>98.6</b>	<b>2346.2</b>	<b>2%</b>	<b>12%</b>	<b>2%</b>	<b>11%</b>	<b>70%</b>	<b>4%</b>
Quarter 1	29.7	206.8	13.4	103.3	748.2	0.0	1101.4	3%	19%	1%	9%	68%	0%
Quarter 2	7.4	74.5	23.0	144.1	897.1	98.6	1244.7	1%	6%	2%	12%	72%	8%
Quarter 3													
Quarter 4													
<b>First Semester</b>	<b>37.1</b>	<b>281.3</b>	<b>36.4</b>	<b>247.4</b>	<b>1645.3</b>	<b>98.6</b>	<b>2346.2</b>	<b>2%</b>	<b>12%</b>	<b>2%</b>	<b>11%</b>	<b>70%</b>	<b>4%</b>
<b>Second Semester</b>													

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

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

(Database Closed on 01/12/22)

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

Species	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
CARANGUES	237.4	253.1	593.3	443.7	371.5	452.9	474.5	762.8	627.5	578.9	558.9
MAQUEREAU DOUX	178.7	234.5	154.8	189.6	152.5	145.8	148.2	231.7	244.9	172.2	212.1
OTHER MAQUEREAU	1.8	121.7	44.8	125.5	68.4	57.4	104.6	43.8	53.7	4.5	2.8
BONITE	30.6	33.8	69.1	42.4	71.5	47.0	91.5	84.1	85.6	88.7	76.3
OTHER PELAGICS	5.2	8.2	30.7	17.4	41.7	7.7	40.3	28.3	50.4	54.6	11.1
BECUNE	29.9	19.6	50.3	81.6	74.3	63.5	85.6	112.0	96.4	66.4	120.2
CORDONIER	147.4	102.7	76.4	97.1	96.4	155.3	118.0	123.0	161.4	68.3	132.7
OTHER TRAP FISH	69.1	73.5	74.1	73.7	59.9	43.1	98.6	74.6	125.7	73.5	97.0
RED SNAPPER	35.0	36.0	58.9	100.5	24.1	26.3	66.7	77.2	107.8	78.8	124.7
BOURGEOIS	327.7	105.7	211.0	168.0	95.6	149.8	151.2	182.4	298.7	122.7	332.4
JOB	167.4	116.2	231.6	241.0	176.2	137.5	194.4	240.0	296.4	280.3	248.5
MACONDE	40.0	22.4	15.3	33.8	27.4	26.2	36.3	42.3	63.8	25.5	39.8
OTHER VIELLE	31.4	24.6	28.9	90.4	38.8	20.1	52.2	77.6	85.8	76.3	159.8
CAPITAINE	97.8	63.3	98.0	98.4	65.6	52.5	159.7	117.3	139.4	114.0	149.2
SHARKS & RAYS	12.5	12.0	15.1	26.9	16.7	12.4	18.9	25.7	13.3	10.0	7.2
OCTOPUS	4.1	8.6	11.9	15.7	6.9	6.1	22.2	26.4	20.5	5.6	37.6
OTHERS	35.6	45.4	47.4	138.7	38.0	57.2	27.8	9.3	15.6	11.5	10.4
CRAB	2.1	2.2	0.1	31.0	15.2	12.4	12.9	16.0	32.9	1.0	25.5
<b>Annual</b>	<b>1453.3</b>	<b>1283.5</b>	<b>1811.5</b>	<b>2015.4</b>	<b>1440.6</b>	<b>1473.3</b>	<b>1903.6</b>	<b>2274.7</b>	<b>2519.9</b>	<b>1832.7</b>	<b>2346.1</b>

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

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

## Country: Seychelles

Years: 2011 - 2021

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

**TABLE 4.4A Monthly Catch Statistics for Artisanal Fishery by Species**

(Database Closed on 01/12/22)

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	<b>1134.9</b>	<b>33%</b>	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	<b>323.2</b>	<b>9%</b>	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	<b>24.5</b>	<b>1%</b>	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	<b>130.0</b>	<b>4%</b>	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	<b>96.1</b>	<b>3%</b>	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	<b>108.5</b>	<b>3%</b>	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	<b>143.8</b>	<b>4%</b>	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	<b>139.6</b>	<b>4%</b>	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	<b>138.7</b>	<b>4%</b>	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	<b>236.5</b>	<b>7%</b>	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	<b>483.9</b>	<b>14%</b>	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	<b>67.2</b>	<b>2%</b>	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	<b>144.4</b>	<b>4%</b>	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	<b>225.2</b>	<b>7%</b>	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	<b>15.9</b>	<b>0%</b>	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	<b>19.2</b>	<b>1%</b>	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	<b>19.3</b>	<b>1%</b>	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	<b>9.4</b>	<b>0%</b>	1.0	0.0	0.0	8.4	1.0	8.4
<b>Annual</b>	<b>539.2</b>	<b>452.3</b>	<b>415.9</b>	<b>118.6</b>	<b>118.9</b>	<b>187.9</b>	<b>310.0</b>	<b>361.3</b>	<b>251.0</b>	<b>216.7</b>	<b>264.9</b>	<b>223.4</b>	<b>3460.0</b>	<b>100%</b>	<b>1407.4</b>	<b>425.3</b>	<b>922.3</b>	<b>705.0</b>	<b>1832.7</b>	<b>1627.3</b>

Country: Seychelles

Year: 2021

Species	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total	% Total	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Semester 1	Semester 2
CARANGUES	171.1	55.8	74.0	69.2	91.0	97.9							<b>558.9</b>	<b>24%</b>	300.8	258.1	0.0	0.0	558.9	0.0
MAQUEREAU DOUX	14.0	40.7	94.1	29.4	31.4	2.5							<b>212.1</b>	<b>9%</b>	148.9	63.2	0.0	0.0	212.1	0.0
OTHER MAQUEREAU	0.4	0.2	0.3	1.3	0.5	0.1							<b>2.8</b>	<b>0%</b>	0.9	1.9	0.0	0.0	2.8	0.0
BONITE	9.7	5.7	26.4	16.5	12.8	5.2							<b>76.3</b>	<b>3%</b>	41.8	34.5	0.0	0.0	76.3	0.0
OTHER PELAGICS	2.3	1.7	1.5	1.6	1.9	2.1							<b>11.1</b>	<b>0%</b>	5.5	5.6	0.0	0.0	11.1	0.0
BECUNE	16.9	9.4	16.1	32.2	26.8	18.7							<b>120.2</b>	<b>5%</b>	42.5	77.7	0.0	0.0	120.2	0.0
CORDONIER	11.6	21.8	20.5	29.1	30.9	18.8							<b>132.7</b>	<b>6%</b>	53.9	78.8	0.0	0.0	132.7	0.0
OTHER TRAP FISH	9.7	17.2	14.9	14.9	22.4	17.9							<b>97.0</b>	<b>4%</b>	41.8	55.2	0.0	0.0	97.0	0.0
RED SNAPPER	12.1	9.6	15.4	20.7	41.9	24.9							<b>124.7</b>	<b>5%</b>	37.2	87.5	0.0	0.0	124.7	0.0
BOURGEOIS	15.7	43.3	78.5	93.4	54.1	47.4							<b>332.4</b>	<b>14%</b>	137.5	194.9	0.0	0.0	332.4	0.0
JOB	36.1	57.8	45.2	56.2	35.4	17.9							<b>248.5</b>	<b>11%</b>	139.0	109.5	0.0	0.0	248.5	0.0
MACONDE	3.2	2.1	11.6	11.1	3.3	8.6							<b>39.8</b>	<b>2%</b>	16.9	22.9	0.0	0.0	39.8	0.0
OTHER VIELLE	13.9	8.1	19.3	31.9	14.2	72.5							<b>159.8</b>	<b>7%</b>	41.2	118.6	0.0	0.0	159.8	0.0
CAPITAINE	17.2	16.5	22.6	36.4	23.9	32.6							<b>149.2</b>	<b>6%</b>	56.4	92.9	0.0	0.0	149.2	0.0
SHARKS & RAYS	1.3	0.7	1.1	0.8	2.6	0.7							<b>7.2</b>	<b>0%</b>	3.1	4.1	0.0	0.0	7.2	0.0
OCTOPUS	2.6	6.8	20.5	2.5	3.6	1.7							<b>37.6</b>	<b>2%</b>	29.9	7.7	0.0	0.0	37.6	0.0
OTHERS	1.0	1.6	1.6	2.4	1.5	2.3							<b>10.4</b>	<b>0%</b>	4.1	6.2	0.0	0.0	10.4	0.0
CRAB				7.5		18.0							<b>25.5</b>	<b>1%</b>	0.0	25.5	0.0	0.0	25.5	0.0
<b>Annual</b>	<b>338.8</b>	<b>298.8</b>	<b>463.7</b>	<b>456.9</b>	<b>398.1</b>	<b>389.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2346.1</b>	<b>100%</b>	<b>1101.3</b>	<b>1244.7</b>	<b>0.0</b>	<b>0.0</b>	<b>2346.1</b>	<b>0.0</b>

**TABLE 4.5 Time Series of Effort Statistics for Artisanal Fishery by Vessel and Gear Type**  
(Database Closed on 01/12/22)

Country: SEYCHELLES

Semester 1, Years 2011 - 2021

Month	Handline Fishery Effort ( Mendays)						Trap Fishery Effort ( Traps )						Net Fishery Effort ( Sets)		
	Pirogue	Outboard	Whaler	Schooner	Others	Total	Fishermen on Foot	Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
2011	126	4633	10100	5965	0	<b>20825</b>	825	930	53497	0	0	<b>55252</b>	36	942	<b>978</b>
2012	92	4096	4761	5712	0	<b>14661</b>	470	1202	40611	0	0	<b>42282</b>	64	909	<b>973</b>
2013	310	5987	12779	5108	0	<b>24184</b>	455	1312	40177	517	0	<b>42461</b>	77	1202	<b>1279</b>
2014	155	5905	13664	6372	0	<b>26096</b>	113	639	42086	0	0	<b>42838</b>	220	1639	<b>1860</b>
2015	99	7196	12793	4407	0	<b>24495</b>	50	482	37751	75	0	<b>38358</b>	128	1006	<b>1135</b>
2016	161	7744	10200	3447	0	<b>21552</b>	0	407	40316	134	0	<b>40856</b>	118	1554	<b>1672</b>
2017	48	13980	15012	15290	653	<b>44983</b>	0	0	73705	304	706	<b>74715</b>	42	1500	<b>1542</b>
2018	0	14994	15231	11031	718	<b>41974</b>	0	0	61801	423	0	<b>62224</b>	40	1661	<b>1701</b>
2019	0	16591	12078	15048	1041	<b>44759</b>	0	0	66266	411	506	<b>67183</b>	41	2010	<b>2051</b>
2020	0	11708	9217	10218	1125	<b>32269</b>	0	0	38064	0	187	<b>38251</b>	0	1197	<b>1197</b>
2021	0	13457	16020	15312	1203	<b>45992</b>	0	0	60140	0	336	<b>60476</b>	39	1656	<b>1695</b>

Country: SEYCHELLES

Semester 2, Years 2011 - 2021

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



Country: SEYCHELLES

Years: 2011 - 2021

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

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

(Database Closed on 30/07/21)

Country: SEYCHELLES

Year: 2020

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

Country: SEYCHELLES

Year: 2021

Month	Outboard	Whaler	Schooner Effort ( Mendays)	Others	Total	Outboard	Whaler	Others	Total	Pirogue	Net Fishery Outboard Effort ( Sets)	Total
Jan	2087	1718	1934	231	5969	7815			7815	12	396	408
Feb	1959	2305	3619	140	8023	12202			12202	11	189	200
Mar	2549	3274	2472	276	8571	8110			8110	8	624	632
Apr	2621	3780	3365	196	9962	10243		336	10579		216	216
May	2341	2169	2324	159	6994	11382			11382	4	201	205
Jun	1899	2774	1599	201	6473	10388			10388	4	30	34
Jul												0
Aug												0
Sep												0
Oct												0
Nov												0
Dec												0
<b>Annual</b>	<b>13457</b>	<b>16020</b>	<b>15312</b>	<b>1203</b>	<b>45992</b>	<b>60140</b>	<b>0</b>	<b>336</b>	<b>60476</b>	<b>39</b>	<b>1656</b>	<b>1695</b>
Quarter 1	6596	7297	8025	647	22564	28127	0	0	28127	31	1209	1240
Quarter 2	6861	8723	7288	557	23429	32013	0	336	32349	8	447	455
Quarter 3												
Quarter 4												
First Semester	13457	16020	15312	1203	45992	60140	0	336	60476	39	1656	1695
Second Semester												

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

(Database Closed on 01/12/22)

Country: SEYCHELLES

Semester 1, Years: 2011 - 2021

Month	Handline Fishery CPUE ( kg/Men day)						Fishermen on foot	Trap Fishery CPUE (kg/ Trap)					Net Fishery CPUE ( kg/Set)		
	Pirogue	Outboard	Whaler	Schooner	Others	Total		Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
2011	10.7	37.7	60.0	42.4	0.0	<b>49.7</b>	1.6	3.4	5.4	0.0	0.0	<b>5.3</b>	75.2	192.6	<b>188.3</b>
2012	19.8	35.4	74.3	36.2	0.0	<b>48.3</b>	4.3	2.3	5.6	0.0	0.0	<b>5.5</b>	111.7	391.2	<b>372.7</b>
2013	13.2	40.3	75.3	41.3	0.0	<b>58.7</b>	2.8	2.7	4.9	5.6	0.0	<b>4.8</b>	121.8	166.7	<b>164.0</b>
2014	13.9	37.4	62.2	27.4	0.0	<b>47.8</b>	9.0	2.7	5.2	0.0	0.0	<b>5.2</b>	115.8	246.2	<b>230.7</b>
2015	21.3	37.4	41.6	37.4	0.0	<b>39.5</b>	3.2	4.2	5.2	21.0	0.0	<b>5.3</b>	57.7	215.6	<b>197.8</b>
2016	21.7	40.3	52.4	29.9	0.0	<b>44.2</b>	0.0	3.7	6.3	6.0	0.0	<b>6.3</b>	35.7	167.9	<b>158.6</b>
2017	16.0	36.9	25.2	21.0	56.3	<b>27.8</b>	0.0	0.0	3.6	15.9	2.7	<b>3.6</b>	233.3	203.1	<b>203.9</b>
2018	0.0	44.6	31.0	26.7	79.5	<b>35.6</b>	0.0	0.0	3.7	9.9	0.0	<b>3.7</b>	116.3	255.7	<b>252.5</b>
2019	0.0	40.6	39.5	30.9	65.8	<b>37.6</b>	0.0	0.0	4.8	0.0	2.1	<b>4.8</b>	207.1	217.2	<b>217.0</b>
2020	0.0	47.1	27.1	42.8	39.9	<b>39.8</b>	0.0	0.0	4.6	0.0	2.8	<b>4.6</b>	0.0	221.1	<b>221.1</b>
2021	0.0	39.8	32.1	31.0	70.0	<b>35.0</b>	0.0	0.0	4.7	0.0	5.5	<b>4.7</b>	93.6	167.7	<b>166.0</b>

Country: SEYCHELLES

Semester 2, Years: 2011- 2021

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

Country: SEYCHELLES

Years: 2011 - 2021

Month	Handline Fishery CPUE ( kg/Men day)						Fishermen on foot	Trap Fishery CPUE (kg/ Trap)					Net Fishery CPUE ( kg/Set)		
	Pirogue	Outboard	Whaler	Schooner	Others	Total		Pirogue	Outboard	Whaler	Others	Total	Pirogue	Outboard	Total
2011	15.7	36.9	77.9	35.7	0.0	<b>56.7</b>	2.2	3.0	4.9	0.0	0.0	<b>4.8</b>	47.6	154.7	<b>148.6</b>
2012	22.3	35.9	52.8	35.5	0.0	<b>43.1</b>	4.7	2.4	5.1	0.0	0.0	<b>5.0</b>	81.0	315.1	<b>297.6</b>
2013	14.7	39.5	81.6	39.9	0.0	<b>62.7</b>	3.8	2.9	5.1	11.6	0.0	<b>5.1</b>	120.6	221.2	<b>213.9</b>
2014	16.4	36.3	65.0	28.8	0.0	<b>48.8</b>	3.8	3.1	5.2	21.3	0.0	<b>5.1</b>	79.6	245.3	<b>217.7</b>
2015	17.8	34.2	44.0	33.4	0.0	<b>39.7</b>	4.9	3.6	5.3	10.1	0.0	<b>5.3</b>	46.5	355.7	<b>320.1</b>
2016	16.1	37.2	53.8	40.0	0.0	<b>45.7</b>	11.5	3.4	6.0	7.9	0.0	<b>6.0</b>	33.7	188.9	<b>178.8</b>
2017	16.0	37.4	28.7	21.9	59.4	<b>29.9</b>	0.0	0.0	3.7	13.6	2.5	<b>3.8</b>	201.3	308.9	<b>306.5</b>
2018	0.0	36.1	30.1	26.5	84.6	<b>32.2</b>	0.0	0.0	3.5	8.7	0.0	<b>3.6</b>	191.4	253.6	<b>251.8</b>
2019	0.0	36.2	34.3	33.5	44.6	<b>35.0</b>	0	0	4.4	0.6	1.5	<b>4.4</b>	142.7	207.1	<b>205.8</b>
2020	0.0	43.8	30.0	36.3	33.8	<b>37.2</b>	0	0	4.1	2.2	5.1	<b>4.1</b>	281.7	232.2	<b>232.2</b>
2021															

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

(Database Closed on 01/12/22)

Country: SEYCHELLES

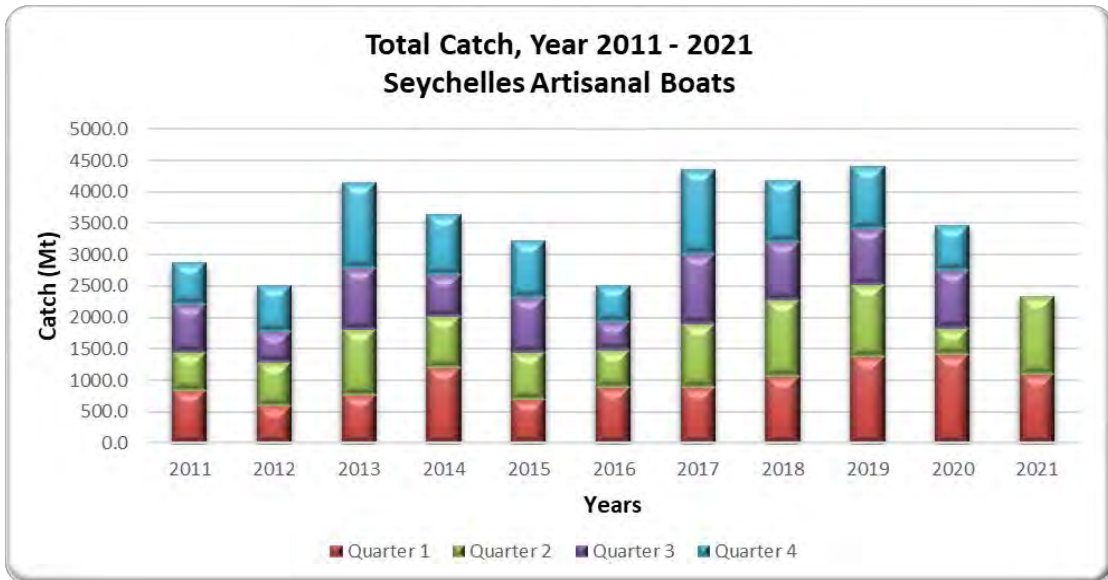
Year: 2020

Month	Outboard	Whaler	Schooner	Others	Total	Outboard	Whaler	Others	Total	Net Fishery		
										Pirogue	Outboard	Total
Effort ( Kg/Mendays)					Effort ( Kg/Traps )					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
<b>Annual</b>	<b>43.8</b>	<b>30.0</b>	<b>36.3</b>	<b>33.8</b>	<b>37.2</b>	<b>4.1</b>	<b>2.2</b>	<b>5.1</b>	<b>4.1</b>	<b>281.7</b>	<b>232.2</b>	<b>232.2</b>
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
<b>First Semester</b>	<b>47.1</b>	<b>27.1</b>	<b>42.8</b>	<b>39.9</b>	<b>39.8</b>	<b>4.6</b>	<b>0.0</b>	<b>2.8</b>	<b>4.6</b>	<b>0.0</b>	<b>221.1</b>	<b>221.1</b>
<b>Second Semester</b>	<b>40.9</b>	<b>32.8</b>	<b>29.4</b>	<b>28.5</b>	<b>34.7</b>	<b>3.7</b>	<b>2.2</b>	<b>6.4</b>	<b>3.7</b>	<b>281.7</b>	<b>249.1</b>	<b>248.5</b>

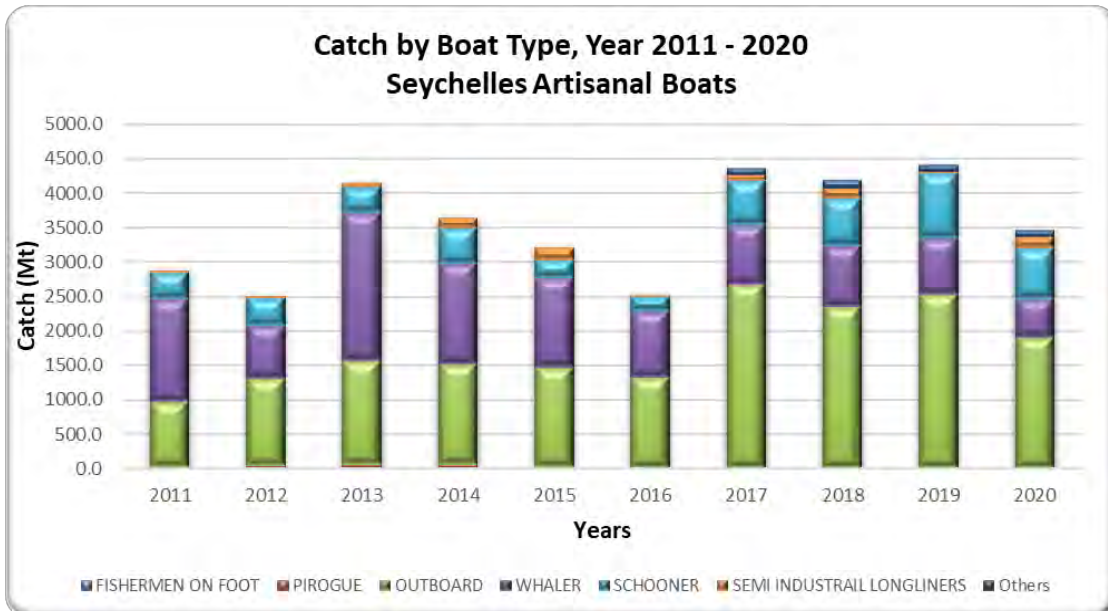
Country: SEYCHELLES

Year: 2021

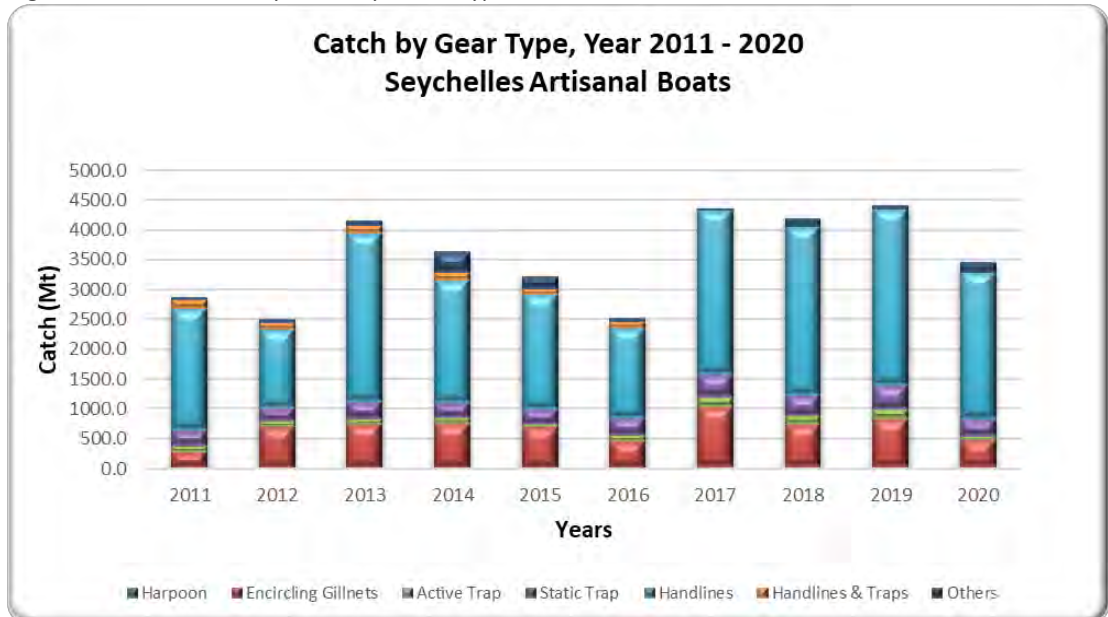
Month	Outboard	Whaler	Schooner	Others	Total	Outboard	Whaler	Others	Total	Net Fishery		
										Pirogue	Outboard	Total
Effort ( Kg/Mendays)					Effort ( Kg/Traps )					Effort ( Kg/Sets)		
Jan	41.2	28.0	48.5	28.4	39.3	3.3		0.0	3.3	30.8	150.2	146.7
Feb	30.0	18.9	21.7	32.0	23.1	3.9		0.0	3.9	85.5	236.6	228.3
Mar	46.5	31.3	28.2	30.3	34.9	5.3		0.0	5.3	273.8	158.9	160.3
Apr	39.7	29.3	33.9	113.2	35.2	4.9		5.5	5.0	#DIV/0!	148.2	148.2
May	42.8	46.3	33.4	60.8	41.2	5.8		0.0	5.8	12.5	196.7	193.1
Jun	35.6	39.4	25.6	163.8	38.7	4.6		0.0	4.6	25.0	94.3	86.2
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
<b>Annual</b>	<b>39.8</b>	<b>32.1</b>	<b>31.0</b>	<b>70.0</b>	<b>35.0</b>	<b>4.7</b>	<b>0.0</b>	<b>5.5</b>	<b>4.7</b>	<b>93.6</b>	<b>167.7</b>	<b>166.0</b>
Quarter 1	39.9	26.6	30.2	30.0	31.9	4.1	0.0	0.0	4.1	112.9	168.2	166.8
Quarter 2	39.6	36.7	31.9	116.5	38.0	5.2	0.0	5.5	5.2	18.8	166.4	163.8
Quarter 3												
Quarter 4												
<b>First Semester</b>	<b>39.8</b>	<b>32.1</b>	<b>31.0</b>	<b>70.0</b>	<b>35.0</b>	<b>4.7</b>	<b>0.0</b>	<b>5.5</b>	<b>4.7</b>	<b>93.6</b>	<b>167.7</b>	<b>166.0</b>
<b>Second Semester</b>												



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



**Figure 4B:** Artisanal fishery Catch by Vessel Type, *Years 2011 - 2020*



**Figure 4C:** Artisanal fishery Catch by Gear Type, *Years 2011 - 2020*

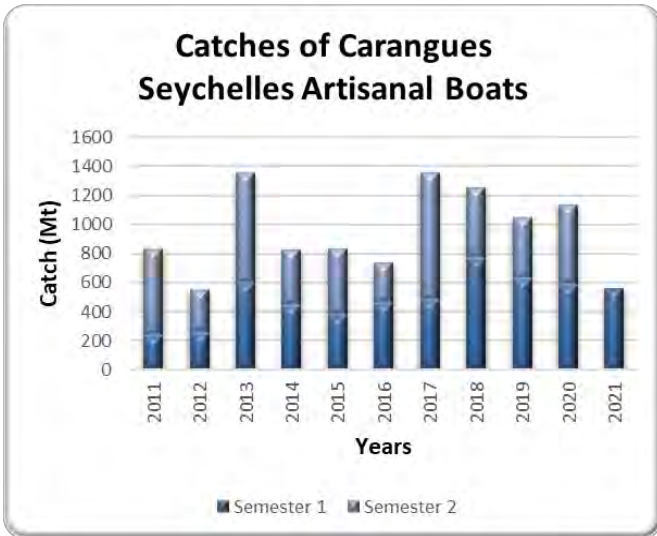


Figure 4D: Catches of Carangues, Years 2011-2021

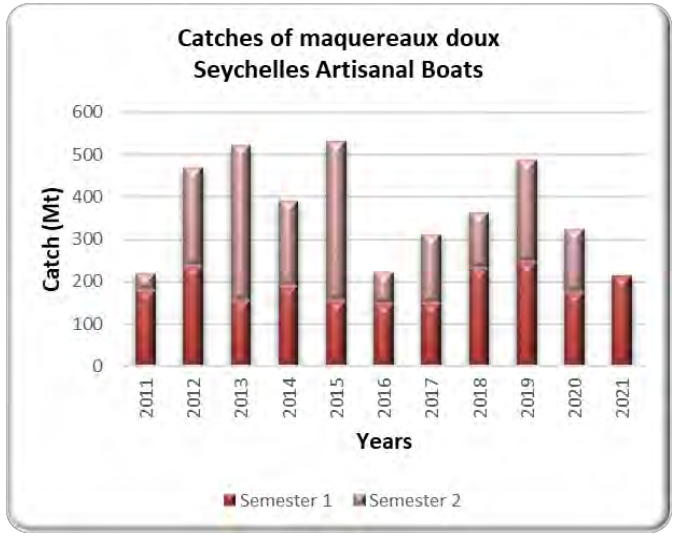


Figure 4E: Catches of Maquereau doux, Years 2011-2021

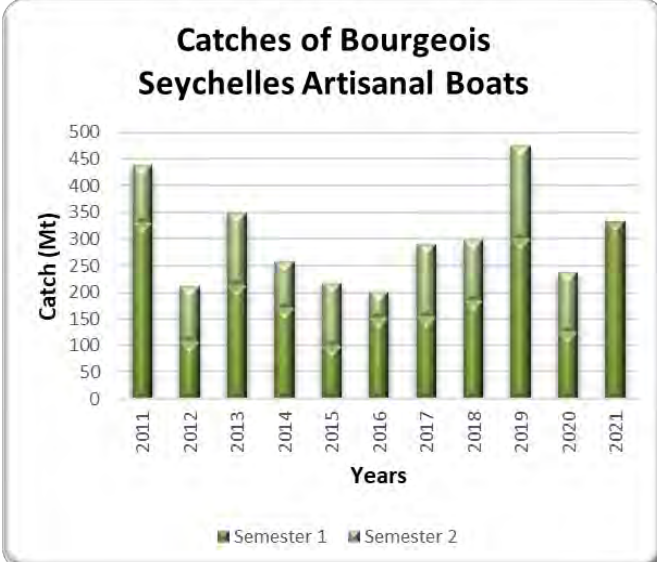


Figure 4F: Catches of bourgeois, Years 2011-2021

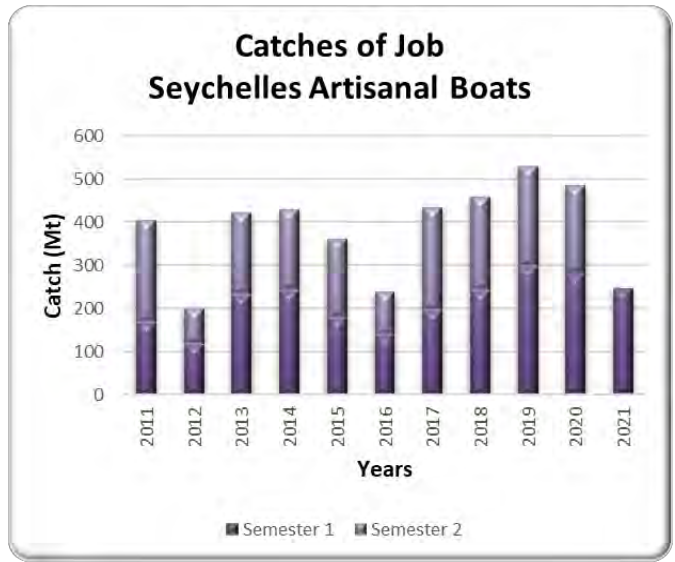


Figure 4G: Catches of job, Years 20211-2021

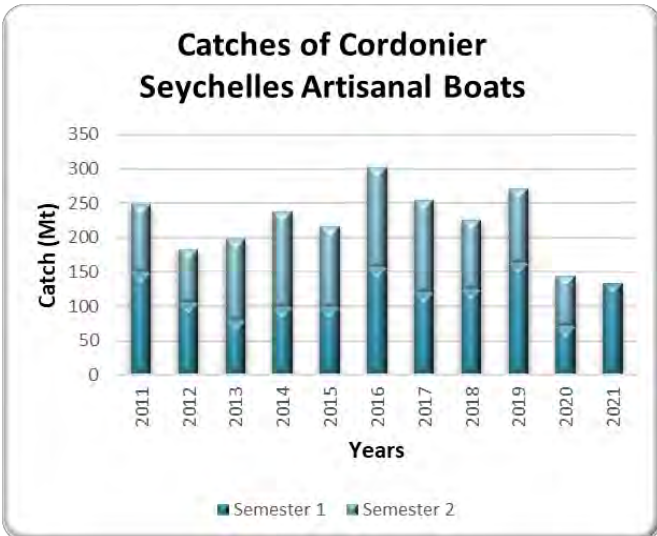


Figure 4H: Catches of cordonier, Years 2011-2021

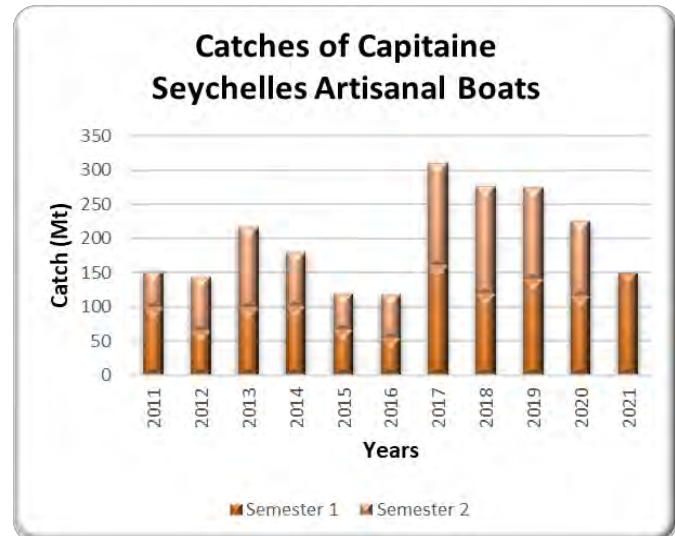
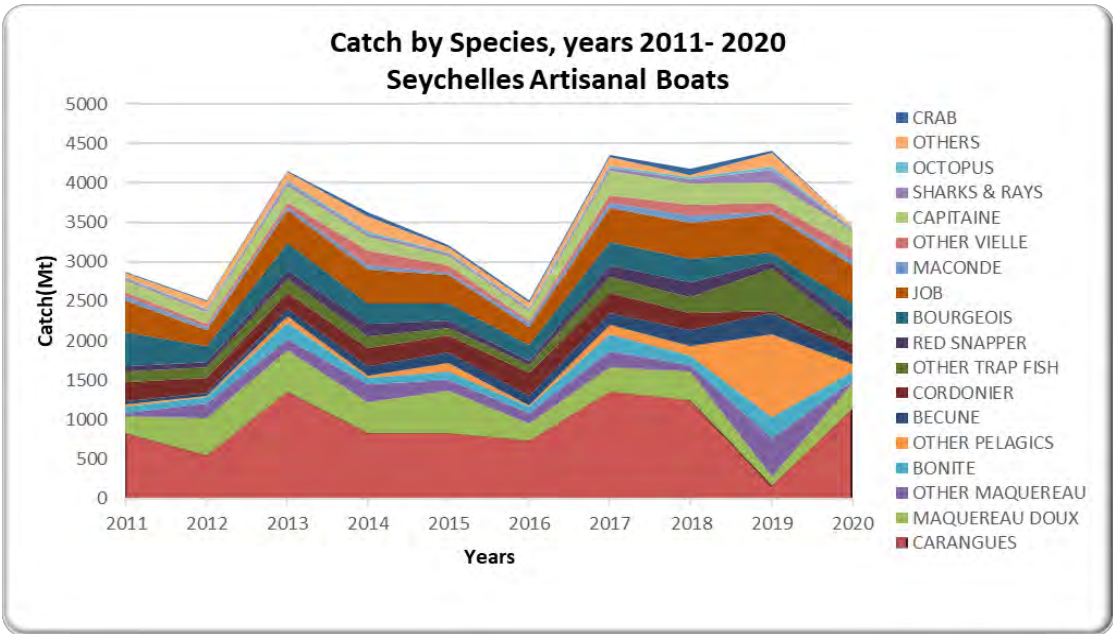
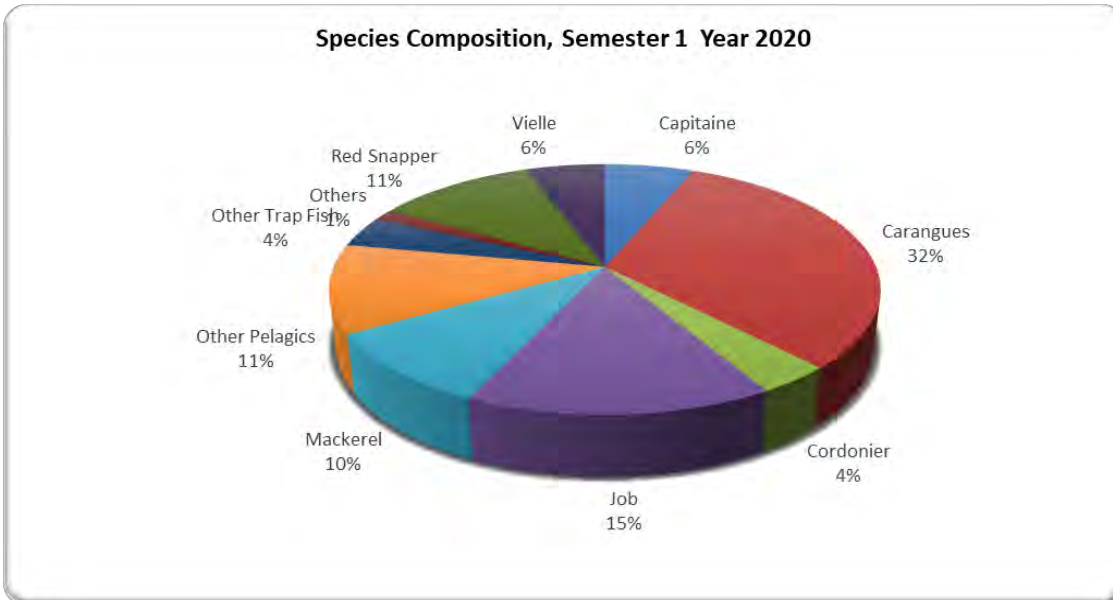


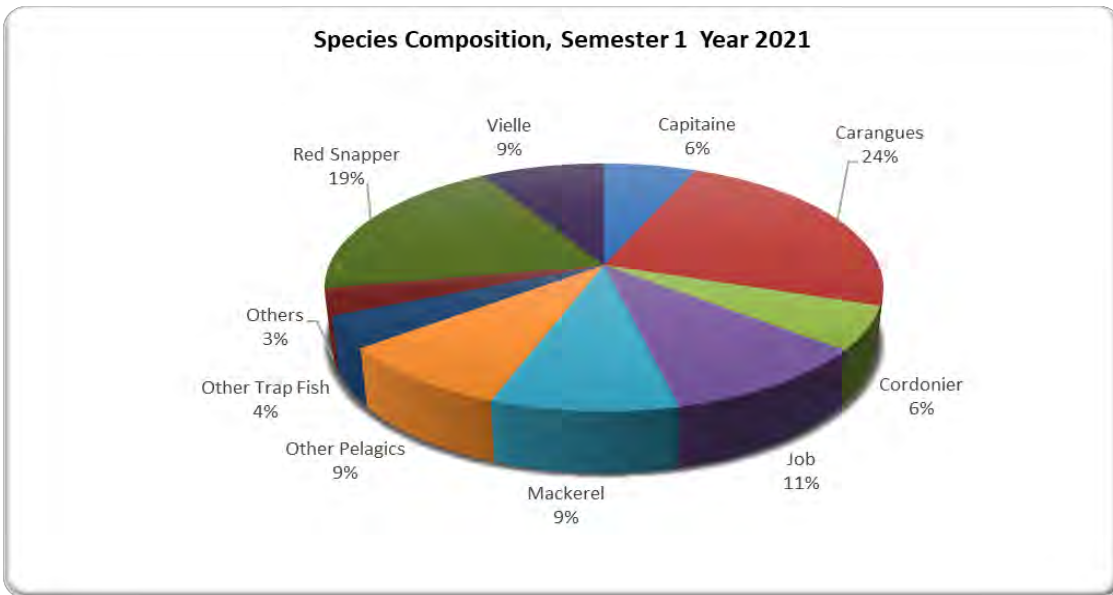
Figure 4I: Catches of capitaine, Years 2011-2021



**Figure 4J:** Artisanal fishery Catch by Species, *Years 2011- 2020*



**Figure 4K:** Artisanal fishery Species composition of catches, Semester 1, *Year 2020*



**Figure 4L:** Artisanal fishery Species composition of catches, Semester 1, *Year 2021*



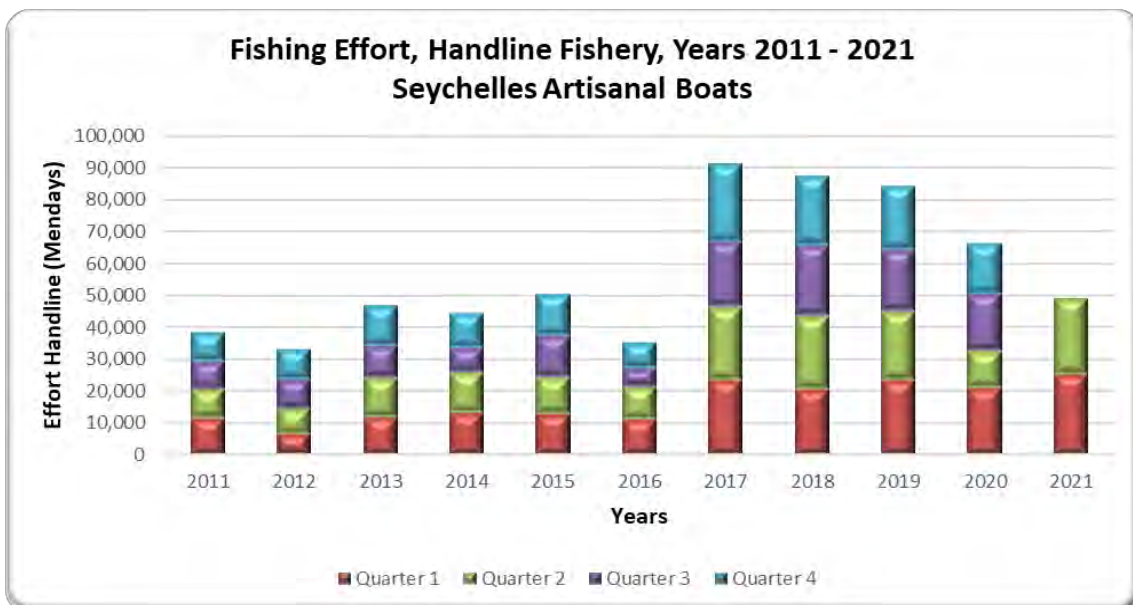


Figure 4M: Artisanal handline fishery, fishing effort, Years 2011- 2021

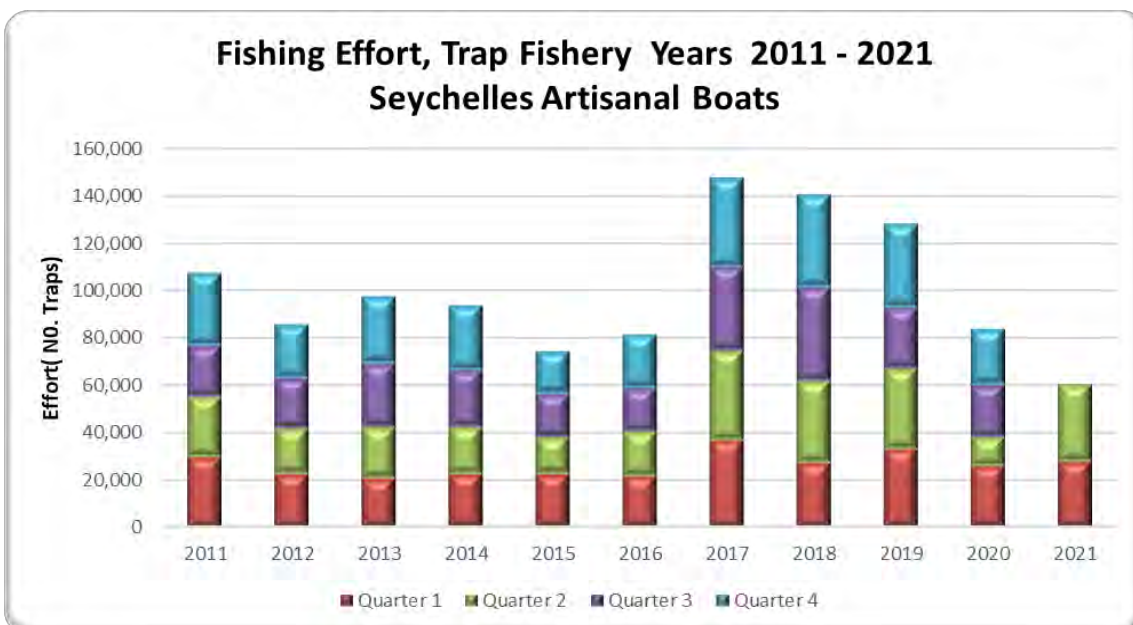


Figure 4N: Artisanal trap fishery, fishing effort, Years 2011 - 2021

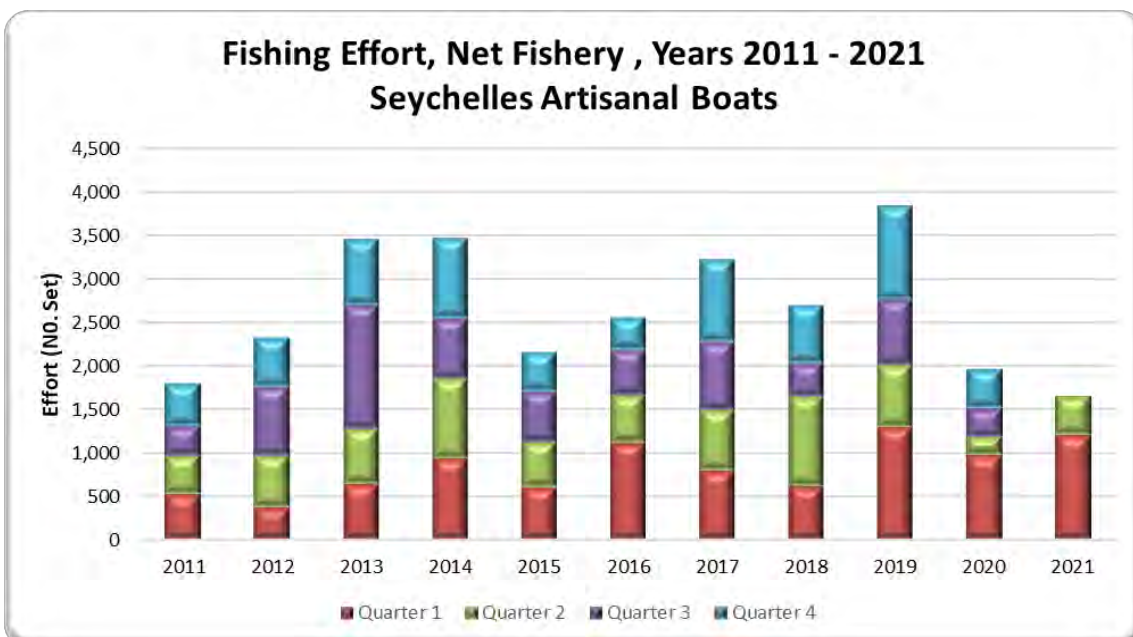


Figure 4O: Artisanal net fishery, fishing effort, Years 2011 - 2021

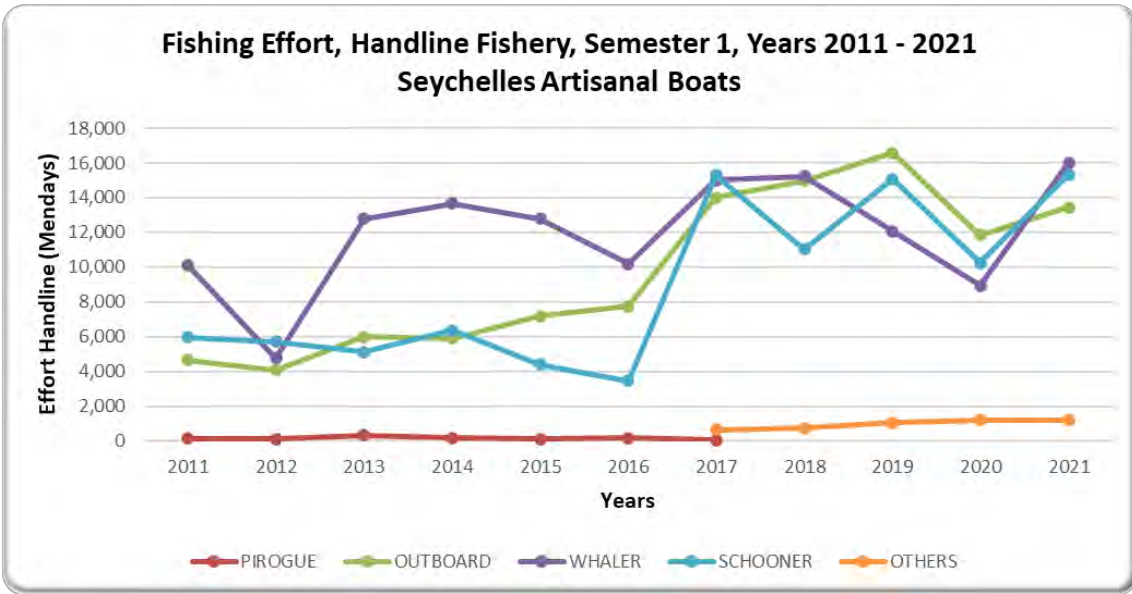


Figure 4P: Artisanal handline fishery, fishing effort by vessel Type, Semester 1, Years 2011 - 2021

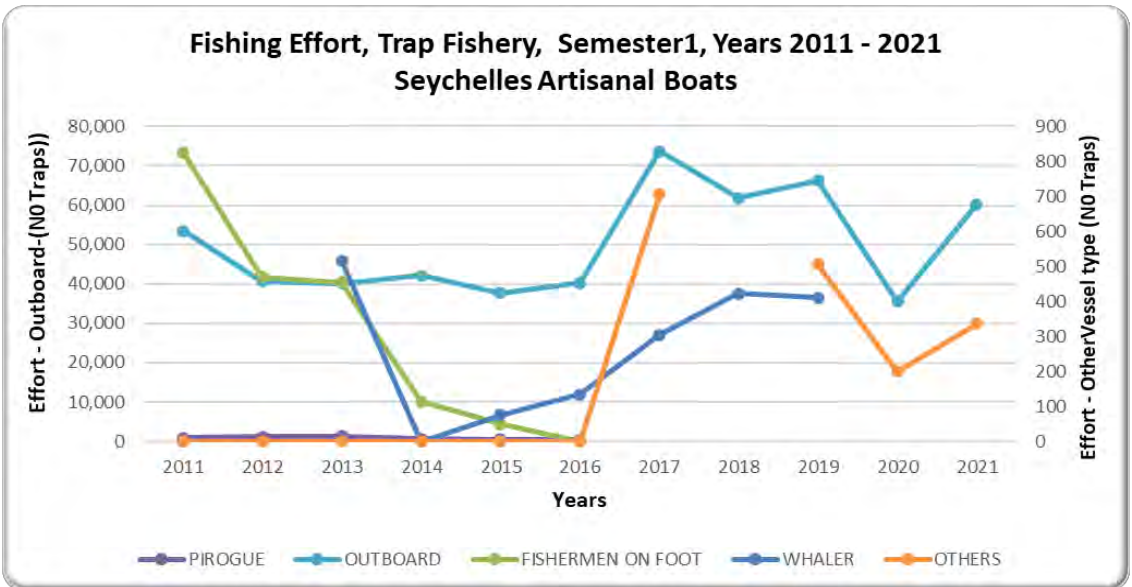


Figure 4Q: Artisanal trap fishery, fishing effort by vessel type, Semester 1, Years 2011 - 2021

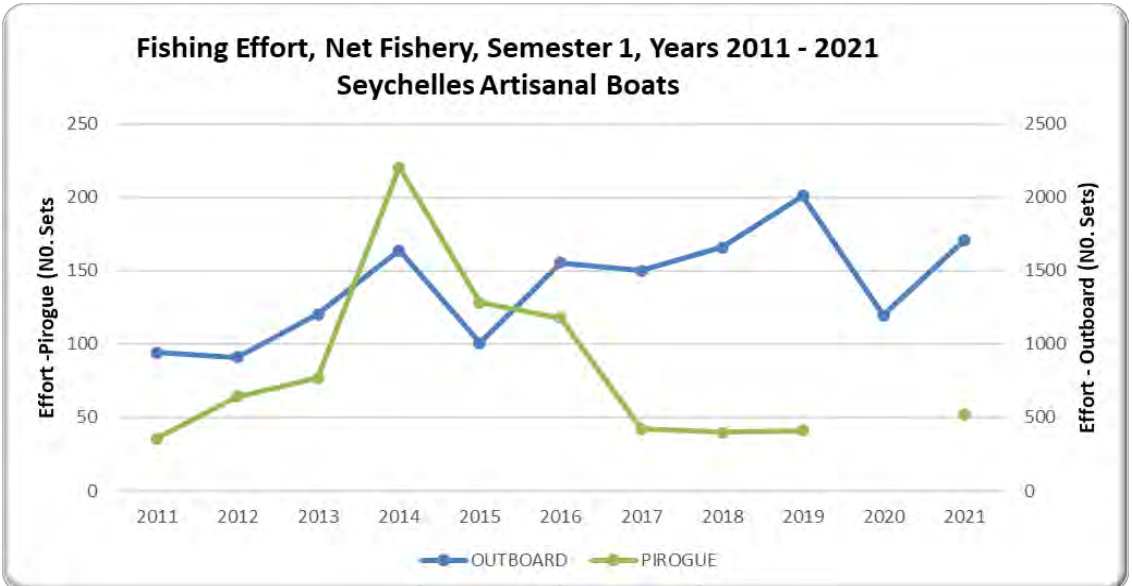


Figure 4R: Artisanal net fishery, fishing effort by vessel Type, Semester 1, Years 2011 - 2021

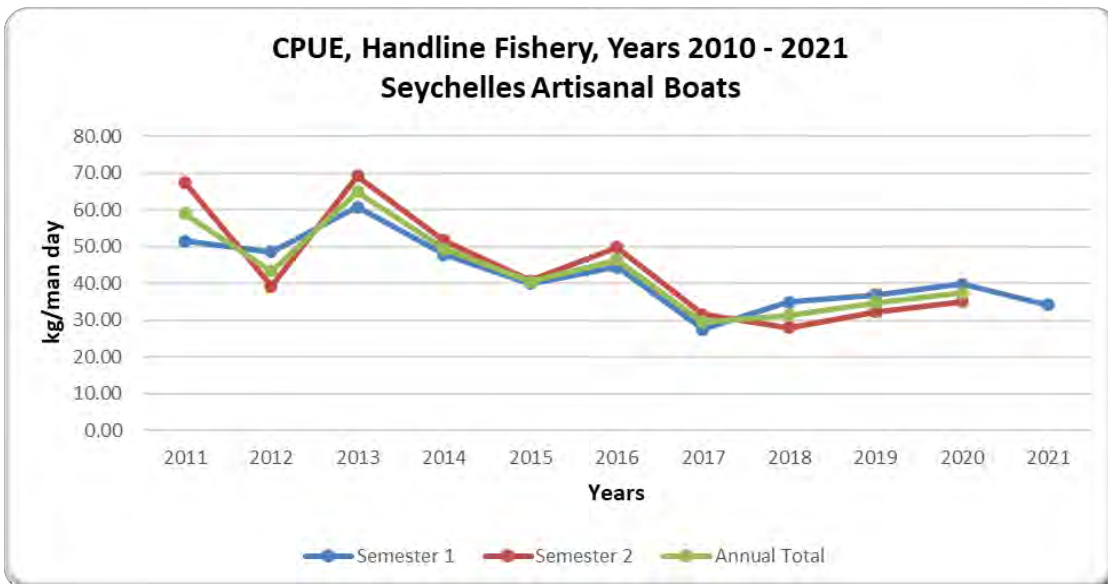


Figure 4S: Artisanal handline fishery CPUE, Years 2011 - 2021

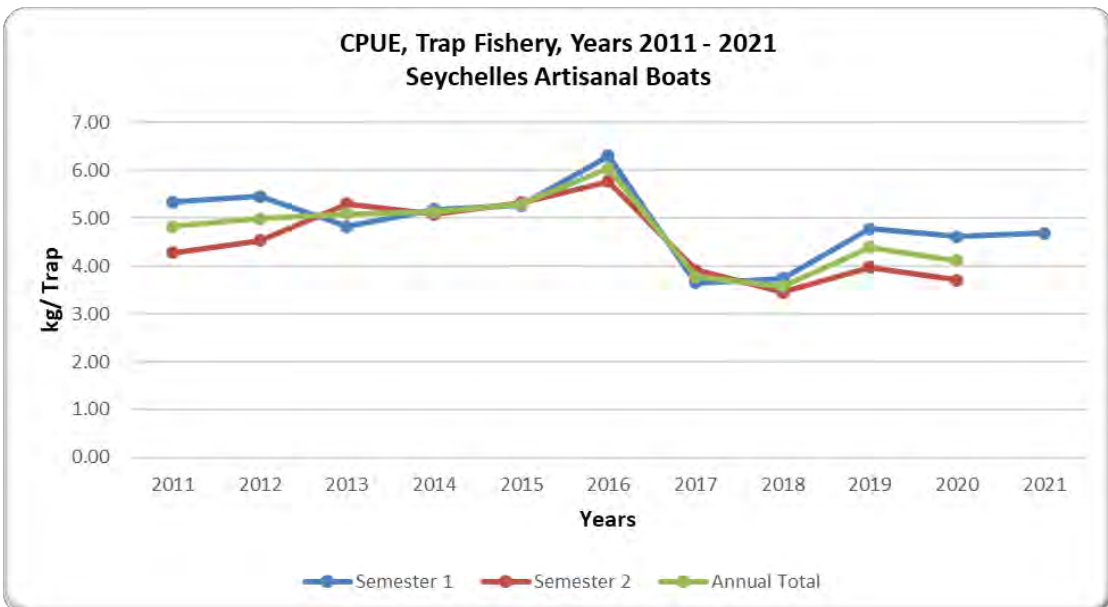


Figure 4T: Artisanal trap fishery CPUE, Years 2011 - 2021

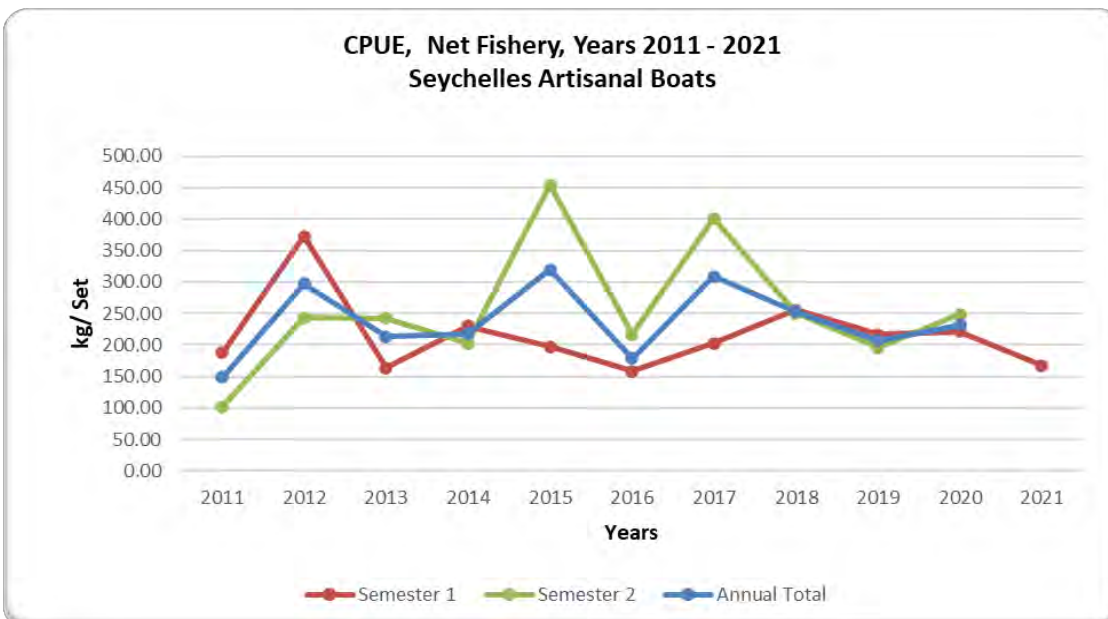


Figure 4U: Artisanal net fishery CPUE, Years 2011 - 2021

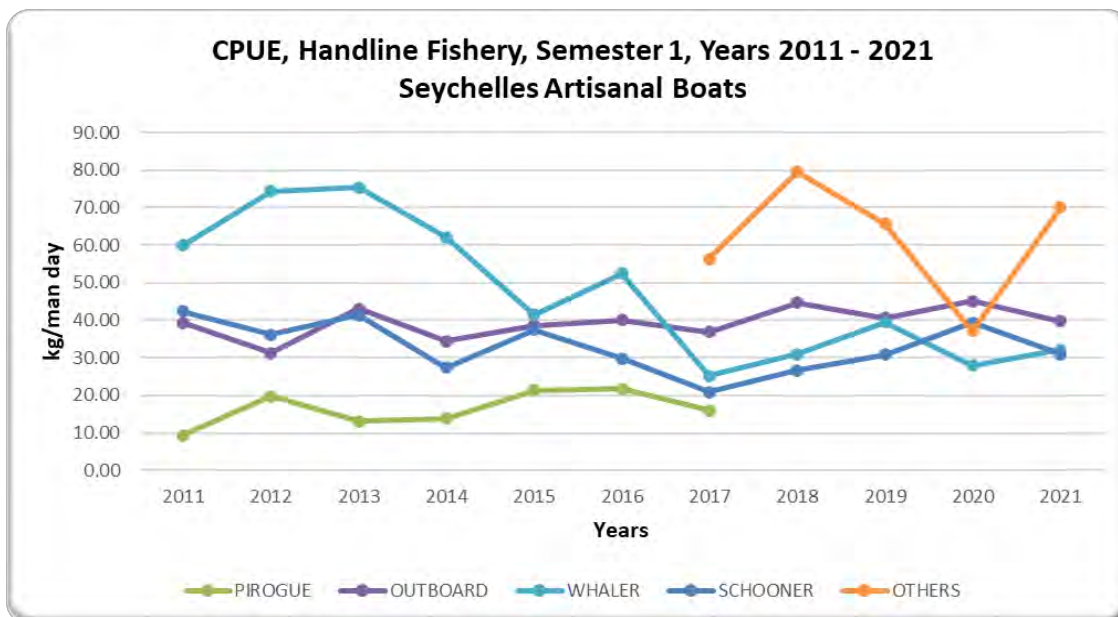


Figure 4V: Artisanal handline fishery CPUE by vessel Type, Semester 1, Years 2011 - 2021

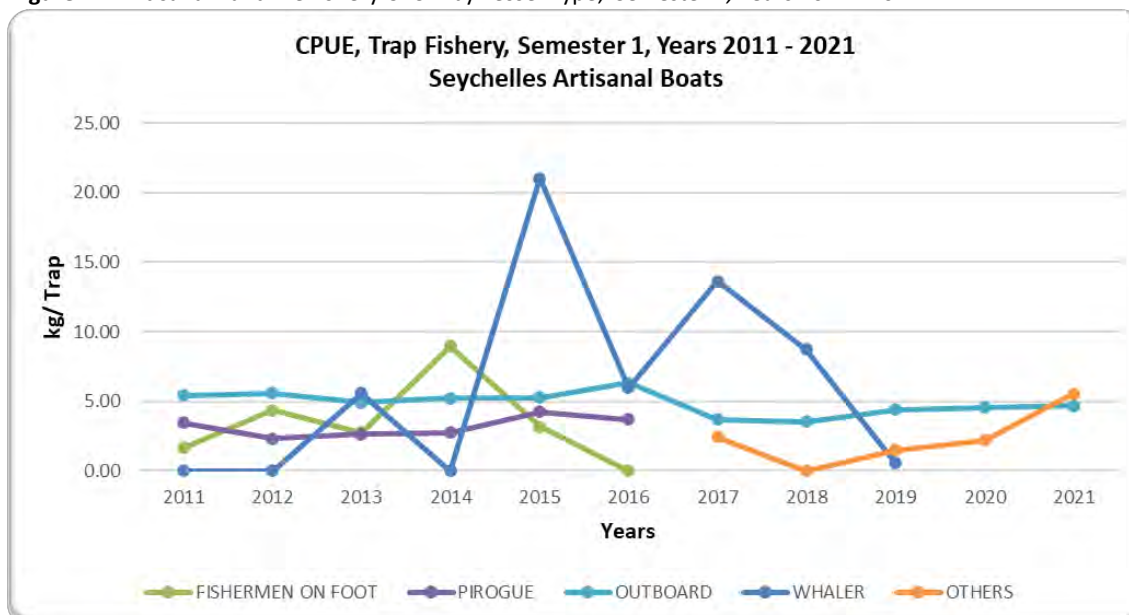


Figure 4W: Artisanal trap fishery CPUE by vessel type, Semester 1, Years 2011 - 2021

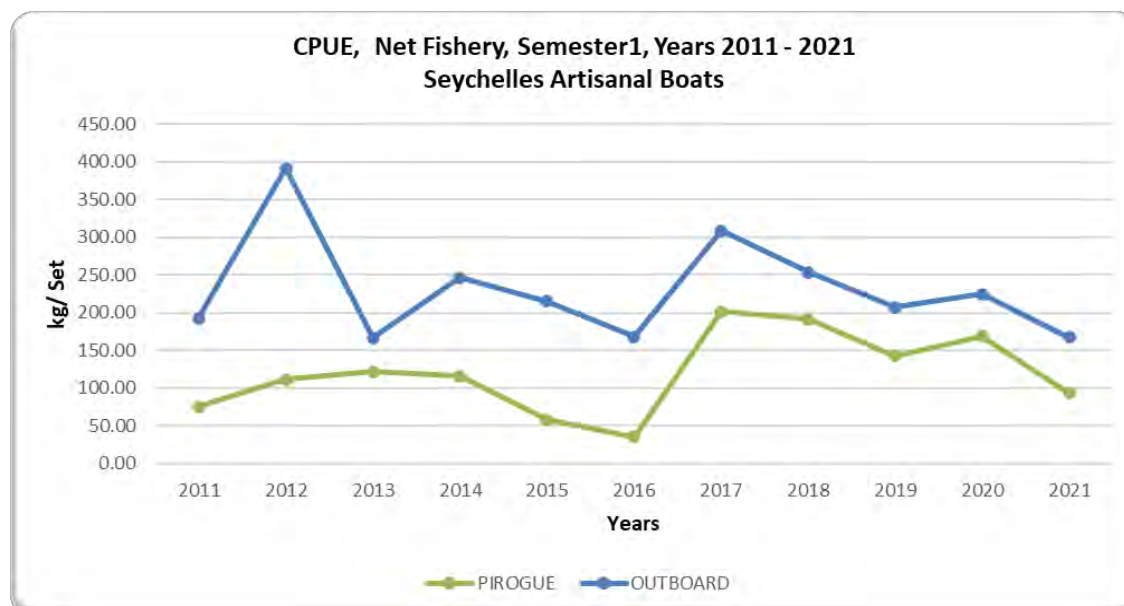


Figure 4X: Artisanal net fishery CPUE by vessel Type, Years 2011 - 2021

# Sea Cucumber Fishery

## 5. SUMMARY OF SEA CUCUMBER FISHERY

### **5.1. Catch**

The landings in numbers for the 2020/2021 fishing season were 243,169 Flower teatfish, 53,241 White teatfish, and 38,494 Prickly redfish. This represents a decrease of 10% and 22% for Flower teatfish and White teatfish respectively and an increase of 4% for Prickly redfish compare to the 2019/2020 season (Table 1). The percentage of the allocated quota reached for the 2020/2021 season was 86% for Flower teatfish, 94% for White teatfish and 102% for Prickly redfish.

Total sea cucumber catch has fluctuated over the past 11 seasons, with the highest catch 567,622 pieces recorded in 2010-2011 and the lowest catch 265,732 pieces recorded in 2018/2019 fishing season.

### **5.2. Fishing Effort**

Fishing efforts have increased over the years, with 155 trips completed in 2020-2021. This is two trips less than the 2019/2020 season but an 8.4% increase from the 2018/2019 season. The season with the lowest number of trips was 2015/2016 with only 67 trips undertaken while the 2019/2020 has the highest number of trips with 157 trips undertaken. On average vessels made 7 trips per season for their fishing operations (Table 2).

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

Species	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021
Flower Teatfish	313818	313779	376983	273357	275069	251029	213000	193103	177929	268047	243169
White Teatfish	108657	78165	73051	81892	60206	53213	47986	47862	50249	66491	53241
Prickly Redfish	52430	73853	75548	52095	34295	33821	30711	32130	37554	37061	38494
Black Teatfish	10308	8824	9377	8200	4715	7731	5089	1029	-	-	-
Spork	34447	36041	42885	21592	28272	25734	25082	3254	-	-	-
Brown Sandfish	19858	322	35	0	0	0	0	0	-	-	-
Sandfish	1655	1832	265	290	226	123	136	12	-	-	-
Elephant Trunkfish	5464	-	735	0	0	0	0	0	-	-	-
Red Surfiah	4043	3657	3259	66	0	0	5510	0	-	-	-
Yellow Surfiah	9264	0	273	0	0	0	0	0	-	-	-
<b>Total Catch</b>	<b>567,622</b>	<b>516,473</b>	<b>582,411</b>	<b>437,492</b>	<b>402,783</b>	<b>371,651</b>	<b>327,714</b>	<b>277,390</b>	<b>265, 732</b>	<b>371, 599</b>	<b>334,904</b>

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

Seasons	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021
<b>Trips (Number)</b>	67	116	124	131	157	155

# Lobster Fishery

## 6. SUMMARY OF LOBSTER FISHERY

### 6.1. Catch

The overall lobster catch for the 2020/2021 fishing season was 6.1 MT. The lobster fishery catch fluctuates from season to seasons. The highest catch of 6.1 MT was recorded in the 2020/2021 season, whereas the lowest catch of 0.61 MT was recorded in the 2013/2014 season. (Table1). Some season of the lobster fishery remained closed due to declines in stock indicators that are monitored during the fishery and fisheries independent surveys. A notable peak in catch was recorded in 2019/2020 following a two-year closure.

In terms of catch composition for the targeted species, historically *P. penicillatus* dominated the catch for all seasons with an average of 2.9 MT per season, followed by *P. longipes* with an average of 0.9 MT per seasons. For the 2020/2021 a total of 4.8 MT of *P. penicillatus* was recorded representing 78.9% of the total catch. For the same period a total of 1.0 MT was recorded amounting to 16.8% of the total catch. The *P. versicolor* and *P. ornatus* are less frequent, together they represented a total of 4.2% of the total catch (Table 1). The predominant fishing method is snorkelling which accounted for 93.9% of the total catch for the 2020/2021 season (Table 2).

### 6.2. Fishing Effort

A total of 242 fishing trips were recorded during the 2020/2021 season compared to only 196 trips in 2019/2020 and 238 trips in 2016/2017 representing an increase of 23% and 2% respectively (Table 3).

### 6.3. Catch Per Unit Effort

During the 2020/2021 fishing season estimated CPUE was 25.37 kg/trip compared to 27.65 kg/trip for 2019/2020 and 17.30 kg/trip for 2016/2017. CPUE varied over the years, the highest CPUE observed was 27.65 kg/trip obtain during the 2019/2020 season. On the other hand, the lowest CPUE was observed in 2012/13 amounting to 10.14. (Table 3)

**Table 6.1: Lobster catch (MT) by species and seasons.**

Season: 2005/2006 – 2020/2021

Species	2005/2006	2006/2007	2007/2008	2011/2012	2012/2013	2013/2014	2015/2016	2016/2017	2019/2020	2020/2021
<i>Panulirus penicillatus</i>	2.6	4.1	2.4	2.4	1.4	0.4	4.1	3.2	4.5	4.8
<i>Panulirus longipes</i>	1.3	1.3	1.3	0.8	0.7	0.2	0.8	0.8	0.8	1.0
<i>Panulirus versicolor</i>	0.01	0.1	0.1	0.2	0.02	0.002	0.04	0.1	0.1	0.3
<i>Panulirus ornatus</i>	0.01	0.02	0.10	0.00	0.01	0.00	0.01	0.004	0.002	0.01
<b>Total</b>	<b>4.0</b>	<b>5.6</b>	<b>3.9</b>	<b>3.3</b>	<b>2.1</b>	<b>0.6</b>	<b>5.0</b>	<b>4.1</b>	<b>5.4</b>	<b>6.1</b>

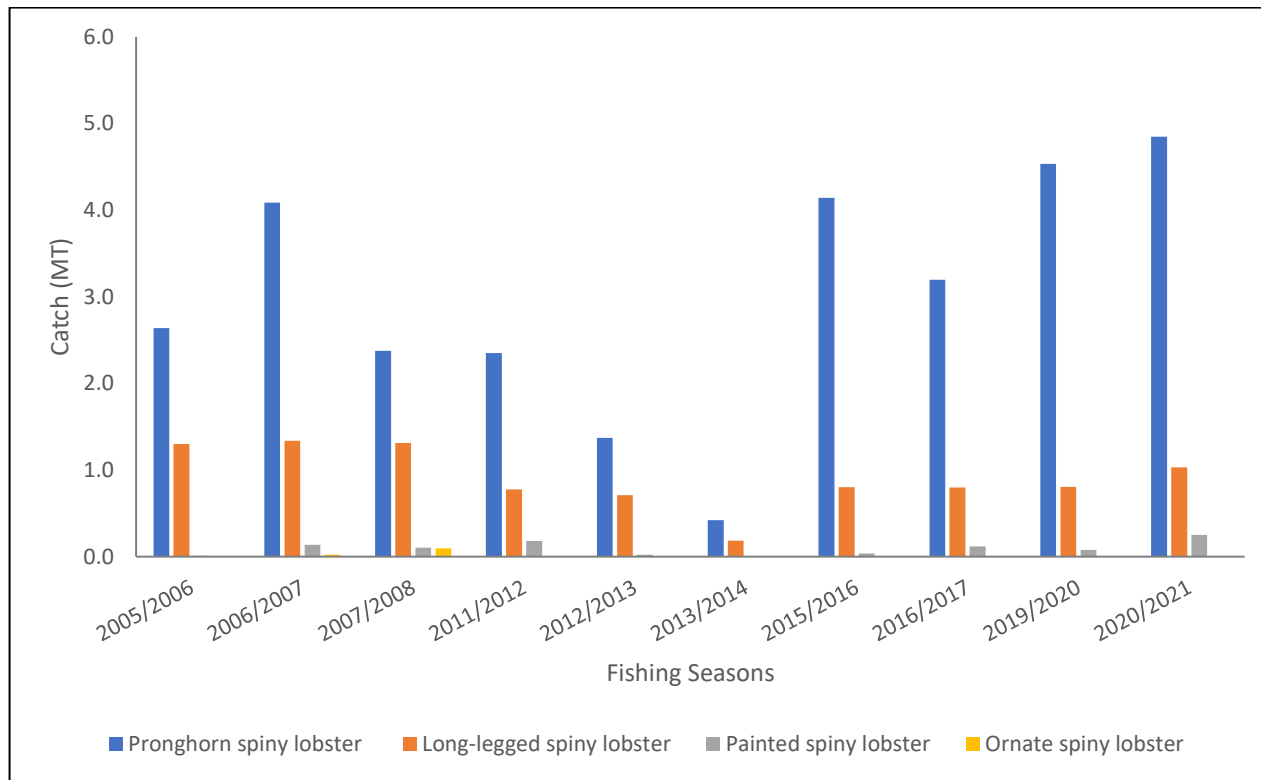
**Table 6.2: Lobster Catch (MT) By Gear and Seasons**

Fishing method	2005/2006	2006/2007	2007/2008	2011/2012	2012/2013	2013/2014	2015/2016	2016/2017	2019/2020	2020/2021
Snorkelling	1.0	5.2	3.8	3.2	2.0	0.6	5.0	4.0	5.4	5.8
Scuba	0.2			0.01	0.01					0.2
Traps	0.3	0.2	0.1	0.04	0.1			0.1		
Scuba and Snorkelling					0.01				0.04	0.2
Other	2.5	0.1								
<b>Total</b>	<b>4.0</b>	<b>5.6</b>	<b>3.9</b>	<b>3.2</b>	<b>2.1</b>	<b>0.6</b>	<b>5.0</b>	<b>4.1</b>	<b>5.4</b>	<b>6.1</b>

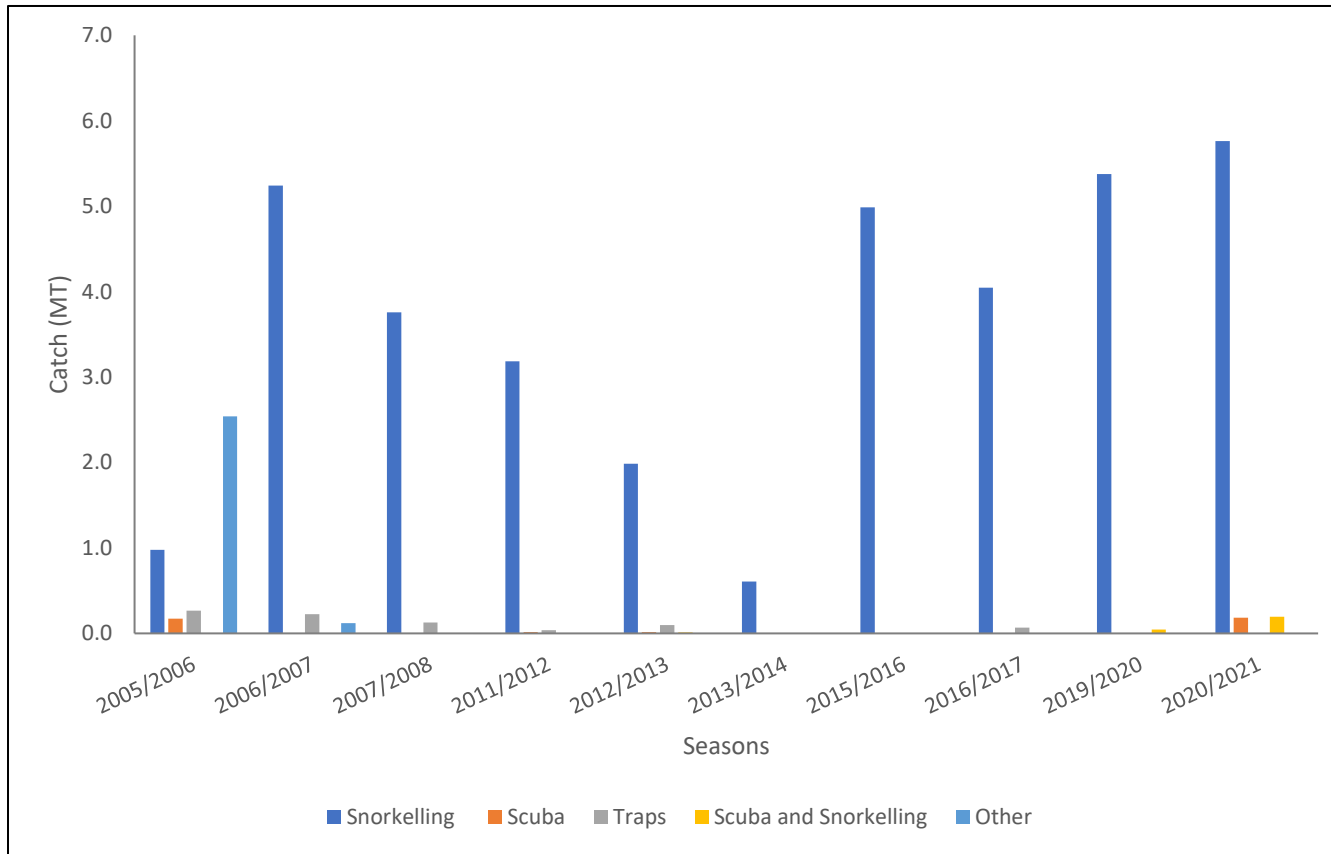


**Table 6.3: Lobster fishing effort and CPUE by fishing seasons**

Seasons	Trips (Number)	CPUE (kg/trip)
2005/2006	200	19.8
2006/2007	218	25.61
2007/2008	321	12.11
2011/2012	206	16.04
2012/2013	208	10.14
2013/2014	33	18.44
2015/2016	219	22.76
2016/2017	238	17.30
2019/2020	196	27.65
2020/2021	242	25.37



**Figure 6A:** Lobster catch (MT) by species and seasons.



**Figure 6B:** Lobster catch (MT) by gears and seasons.