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**2022 ANNUAL SCIENTIFIC OBSERVER REPORT FOR CHINA TUNA
LONGLINE FISHERY IN THE ANTIGUA CONVENTION AREA**

CPC OBSERVER ANNUAL REPORT FOR THE YEAR 2022
IN THE IATTC CONVENTION AREA
CHINA

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1. Trip description

Longline is the only fishing gear for the Chinese tuna fishery in the EPO. For the year 2022, China conducted fifteen longline observer trips in the IATTC convention area (east of 150°W). A total of 1700 fishing days were observed during the fifteen trips (**Table 1**). Some of the Chinese observer trips for the EPO area were shared with those for the WCPFC area (west of 150°W), i.e., the same observer with the same longline vessel carried out the observations across the boundary of longitude line 150°W. Sets of the observer trips deployed in the WCPO areas were removed.

Table 1 Information of Fifteen Chinese LL observer trips in the IATTC area in 2022

Trips	Observed fishing days	Observed hooks	Observation period	Observation area
Trip 1	78	244392	Oct 06, 2022-Jan 05, 2023	13°~20°S, 99°~129°W
Trip 2	76	282152	Oct 06, 2022-Jan 04, 2023	14°~22°S, 99°~100°W
Trip 3	234	663520	Jan 03, 2022-Nov 08, 2022	12°~37°S, 98°~133°W
Trip 4	190	602290	Jan 30, 2022-Oct 12, 2022	15°~37°S, 95°~121°W
Trip 5	240	745888	Oct 07, 2021-Aug 31, 2022	13°~35°S, 100°~129°W
Trip 6	43	150410	Dec 13, 2022-Jan 31, 2023	16°~25°S, 109°~120°W
Trip 7	39	83376	Dec 20, 2022-Jan 31, 2023	16°~21°S, 102°~110°W
Trip 8	74	267651	Nov 06, 2021-Jan 31, 2023	13°~20°S, 101°~122°W
Trip 9	80	291200	Nov 01, 2022-Jan 30, 2023	13°~23°S, 105°~119°W

Trip 10	31	93377	Dec 27, 2022-Jan 31, 2023	17°~22°S, 103°~116°W
Trip 11	52	168122	Oct 26, 2022-Dec 26, 2022	12°~22°S, 116°~125°W
Trip 12	224	727054	Apr 01, 2022-Jan 16, 2022	15°~36°S, 95°~128°W
Trip 13	101	330368	Nov 12, 2021-Mar 11, 2022	16°~20°S, 101°~123°W
Trip 14	161	349888	Feb 06, 2022-Aug 20, 2022	06°~11°N, 113°~126°W
Trip 15	77	257062	Nov 06, 2022-Jan 31, 2023	13°~22°N, 107°~119°W

The observed set stations for the fifteen trips are shown in **Figure 1**. These trips targeted Albacore and other tunas, mainly using circle hooks.

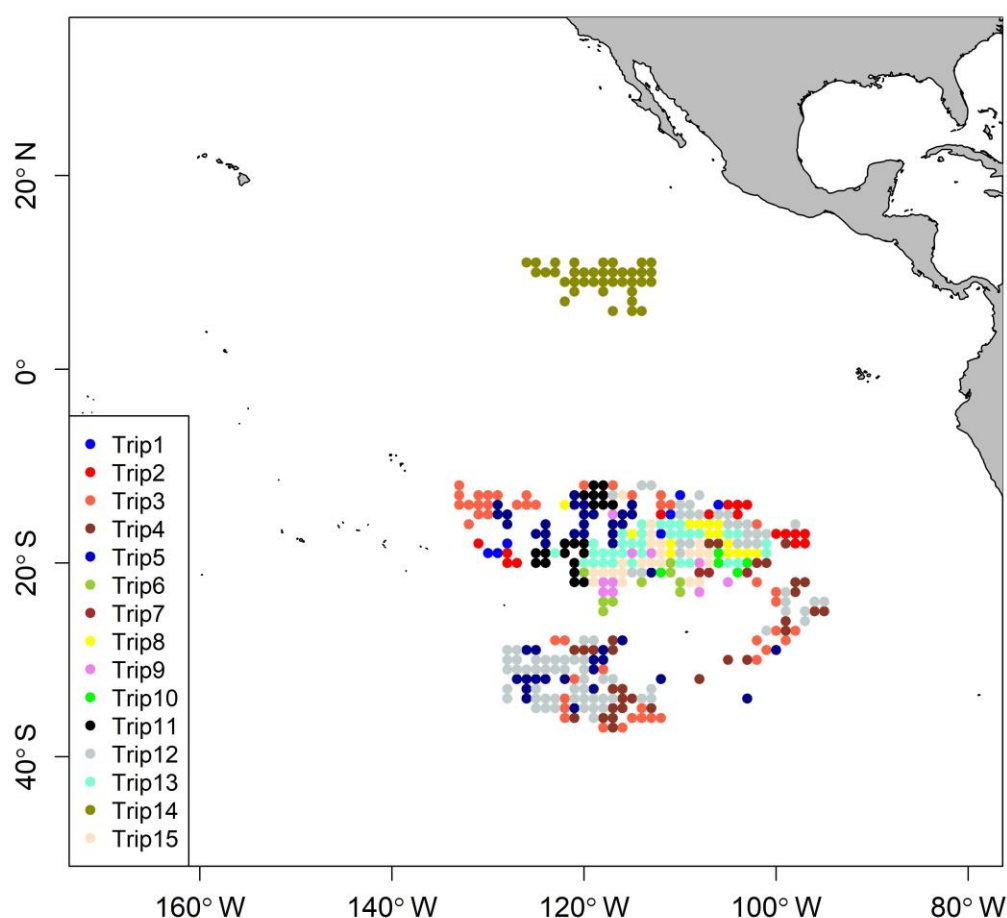


Fig. 1 Set stations of Chinese longline observer trips in 2022

2. Observer coverage

Based on current observer data, China's observer coverage in EPO for 2022 was 7%. We suggested that the observer annual report be submitted by the same deadline

with fishery data.

3. Total catch and catch composition

For each trip, the on-board observer recorded effort (hooks), catch by species, and size composition by species for all the target and bycatch species including sharks, sea turtles and seabirds. Gender and other biological information (e.g., maturity) were also examined for randomly sampled individuals. The proportion of baskets observed for each set was about 80%, due to long hauling time.

The observed catches in number for each trip, including target and bycatch species, are listed in **Tables 2-16**.

There was one seabird (Light-mantled sooty albatross) incidentally captured in trip 11. Two marine mammals (one Pacific white-sided dolphin and one Pantropical spotted dolphin) were captured in trip 9 and trip 14. Twenty-five turtles were captured in trip 14, including twenty Olive ridley turtles, four Green turtles and one Leatherback turtle. Another two turtles (one Leatherback turtle and one Olive ridley turtle) were captured in trip 2 and trip 9. All the sea turtles are retrieved on board with proper treatment and are safely released alive (with dehooker equipment based on Sea Turtle Handle Guideline). Most of the sharks were discarded by China longliners in the EPO, especially for the Oceanic whitetip sharks and Silky sharks, which were released or discarded as soon as possible when incidentally caught.

Table 2 Observed catch and composition during observer trip 1

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	5174	0.7686
<i>Taractichthys steindachneri</i>	Sickle pomfret	3	0.0004
<i>Lampris guttatus</i>	Opah	407	0.0605
<i>Prionace glauca</i>	Blue shark	6	0.0009
<i>Thunnus obesus</i>	Bigeye tuna	75	0.0111
<i>Alepisaurus ferox</i>	Longnose lancetfish	24	0.0036
<i>Taractes rubescens</i>	Dagger pomfret	3	0.0004
<i>Thunnus albacares</i>	Yellowfin tuna	35	0.0052
<i>Ruvettus pretiosus</i>	Oilfish	25	0.0037
<i>Katsuwonus pelamis</i>	Skipjack	284	0.0422
<i>Xiphias gladius</i>	Swordfish	39	0.0058
<i>Makaira nigricans</i>	Blue marlin	3	0.0004
<i>Istiophorus platypterus</i>	Indo-Pacific sailfish	145	0.0215
<i>Coryphaena hippurus</i>	Dolphinfish	58	0.0086
<i>Acanthocybium solandri</i>	Wahoo	127	0.0189
<i>Tetrapturus audax</i>	Striped marlin	50	0.0074
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	110	0.0163
<i>Lepidocybium flavobrunneum</i>	Escolar	156	0.0232
<i>Makaira indica</i>	Black marlin	1	0.0001
<i>Dasyatis violacea</i>	Pelagic stingray	7	0.0010
Total	-	6732	1

Note: * indicate target species

Table 3 Observed catch and composition during observer trip 2

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	6664	0.6785
<i>Taractichthys steindachneri</i>	Sickle pomfret	13	0.0013
<i>Thyrsitops lepidopoides</i>	White snake mackerel	11	0.0011
<i>Lampris guttatus</i>	Opah	438	0.0446
<i>Trachipteridae</i>	Ribbonfish	1	0.0001
<i>Remora osteochir</i>	Marlin sucker	26	0.0026
<i>Prionace glauca</i>	Blue shark	101	0.0103
<i>Thunnus obesus</i>	Bigeye tuna	107	0.0109
<i>Alopias superciliosus</i>	Bigeye thresher	2	0.0002
<i>Remora remora</i>	Shark sucker	3	0.0003
<i>Pseudocarcharias kamoharai</i>	Crocodile shark	195	0.0199

<i>Alepisaurus ferox</i>	Longnose lancetfish	980	0.0998
<i>Trachipterus fukuzakii</i>	Tapertail ribbonfish	3	0.0003
<i>Taractes rubescens</i>	Dagger pomfret	17	0.0017
<i>Thunnus albacares</i>	Yellowfin tuna	29	0.0030
<i>Ruvettuspretiosus</i>	Oilfish	6	0.0006
<i>Isurus oxyrinchus</i>	Shortfin mako	3	0.0003
<i>Katsuwonus pelamis</i>	Skipjack	210	0.0214
<i>Xiphias gladius</i>	Swordfish	43	0.0044
<i>Makaira nigricans</i>	Blue marlin	23	0.0023
<i>Dermochelys coriacea</i>	Leatherback turtle	1	0.0001
<i>Coryphaena hippurus</i>	Dolphinfish	57	0.0058
<i>Scombrobrax heterolepis</i>	Longfin escolar	7	0.0007
<i>Acanthocybium solandri</i>	Wahoo	87	0.0089
<i>Gempylus serpens</i>	Snake mackerel	52	0.0053
<i>Manta birostris</i>	Giant manta	2	0.0002
<i>Tetrapturus audax</i>	Striped marlin	53	0.0054
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	309	0.0315
<i>Scymnodon squamulosus</i>	Velvet dogfish	17	0.0017
<i>Lepidocybium flavobrunneum</i>	Escolar	221	0.0225
<i>Makaira indica</i>	Black marlin	1	0.0001
<i>Isurus paucus</i>	Longfin mako	4	0.0004
<i>Carcharhinus longimanus</i>	Oceanic whitetip shark	2	0.0002
<i>Assurger anzac</i>	Razorback scabbardfish	4	0.0004
<i>Dasyatis violacea</i>	Pelagic stingray	129	0.0131
-	Unidentified fish	1	0.0001
Total	-	9822	1

Note: * indicate target species

Table 4 Observed catch and composition during observer trip 3

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	14854	0.8310
<i>Lampris guttatus</i>	Opah	533	0.0298
<i>Tetrapturus angustirostris</i>	Bigeye tuna	384	0.0215
<i>Prionace glauca</i>	Blue shark	185	0.0104
<i>Alopias superciliosus</i>	Bigeye thresher	7	0.0004
<i>Alepisaurus ferox</i>	Longnose lancetfish	478	0.0267
<i>Thunnus albacares</i>	Yellowfin tuna	224	0.0125
<i>Ruvettus pretiosus</i>	Oilfish	2	0.0001
<i>Katsuwonus pelamis</i>	Skipjack	292	0.0163
<i>Xiphias gladius</i>	Swordfish	47	0.0026

<i>Makaira mazara</i>	Blue marlin	3	0.0002
<i>Coryphaena hippurus</i>	Dolphinfish	11	0.0006
<i>Acanthocybium solandri</i>	Wahoo	75	0.0042
<i>Tetrapturus audax</i>	Striped marlin	36	0.0020
<i>Brama brama</i>	Atlantic pomfret	5	0.0003
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	194	0.0109
<i>Lepidocybium flavobrunneum</i>	Escolar	433	0.0242
<i>Isuruspaucus</i>	Longfin mako	5	0.0003
<i>Dasyatis violacea</i>	Pelagic stingray	106	0.0059
Total	-	17874	1

Note: * indicate target species

Table 5 Observed catch and composition during observer trip 4

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	11717	0.8807
<i>Lampris guttatus</i>	Opah	346	0.0260
<i>Prionace glauca</i>	Blue shark	524	0.0394
<i>Thunnus obesus</i>	Bigeye tuna	97	0.0073
<i>Thunnus albacares</i>	Yellowfin tuna	7	0.0005
<i>Katsuwonus pelamis</i>	Skipjack tuna	50	0.0038
<i>Makaira nigricans</i>	Blue marlin	2	0.0002
<i>Coryphaena hippurus</i>	Dolphinfish	26	0.0020
<i>Acanthocybium solandri</i>	Wahoo	8	0.0006
<i>Tetrapturus audax</i>	Striped marlin	2	0.0002
<i>Tetrapturus angustirostris</i>	Shortbill Spearfish	24	0.0018
<i>Lepidocybium flavobrunneum</i>	Escolar	196	0.0147
<i>Dasyatis violacea</i>	Pelagic stingray	305	0.0229
Total	-	13304	1

Note: * indicate target species

Table 6 Observed catch and composition during observer trip 5

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	14908	0.9514
<i>Thunnus obesus</i>	Bigeye tuna	255	0.0163
<i>Coryphaena hippurus</i>	Dolphinfish	5	0.0003
<i>Lepidocybium flavobrunneum</i>	Escolar	41	0.0026
<i>Isurus paucus</i>	Longfin mako	23	0.0015

<i>Alepisaurus ferox</i>	Longnose lancetfish	1	0.0001
<i>Lampris guttatus</i>	Opah	88	0.0056
<i>Isurus oxyrinchus</i>	Shortfin mako	2	0.0001
<i>Carcharhinus falciformis</i>	Silky shark	1	0.0001
<i>Katsuwonus pelamis</i>	Skipjack tuna	191	0.0122
<i>Tetrapturus audax</i>	Striped marlin	21	0.0013
<i>Xiphias gladius</i>	Swordfish	54	0.0034
<i>Scymnodon squamulosus</i>	Velvet dogfish	13	0.0008
<i>Acanthocybium solandri</i>	Wahoo	11	0.0007
<i>Thunnus albacares</i>	Yellowfin tuna	56	0.0036
Total	-	15670	1

Note: * indicate target species

Table 7 Observed catch and composition during observer trip 6

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	2401	0.8690
<i>Lampris guttatus</i>	Opah	20	0.0072
<i>Thunnus obesus</i>	Bigeye tuna	23	0.0083
<i>Thunnus albacares</i>	Yellowfin tuna	3	0.0011
<i>Katsuwonus pelamis</i>	Skipjack tuna	105	0.0380
<i>Xiphias gladius</i>	Swordfish	8	0.0029
<i>Makaira nigricans</i>	Blue marlin	30	0.0109
<i>Acanthocybium solandri</i>	Wahoo	55	0.0199
<i>Tetrapturus angustirostris</i>	Shortbill Spearfish	84	0.0304
<i>Lepidocybium flavobrunneum</i>	Escolar	34	0.0123
Total	-	2763	1

Note: * indicate target species

Table 8 Observed catch and composition during observer trip 7

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	686	0.6552
<i>Lampris guttatus</i>	Opah	10	0.0096
<i>Prionace glauca</i>	Blue shark	41	0.0392
<i>Thunnus obesus</i>	Bigeye tuna	30	0.0287
<i>Alepisaurus ferox</i>	Longnose lancetfish	40	0.0382
<i>Trachipterus fukuzakii</i>	Tapertail ribbonfish	2	0.0019
<i>Taractes rubescens</i>	Dagger pomfret	2	0.0019

<i>Thunnus albacares</i>	Yellowfin tuna	10	0.0096
<i>Katsuwonus pelamis</i>	Skipjack tuna	29	0.0277
<i>Xiphias gladius</i>	Swordfish	10	0.0096
<i>Makaira nigricans</i>	Blue marlin	1	0.0010
<i>Acanthocybium solandri</i>	Wahoo	9	0.0086
<i>Gempylus serpens</i>	Snake mackerel	59	0.0564
<i>Tetrapturus audax</i>	Striped marlin	12	0.0115
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	58	0.0554
<i>Lepidocybium flavobrunneum</i>	Escolar	30	0.0287
<i>Dasyatis violacea</i>	Pelagic stingray	18	0.0172
Total	-	1047	1

Note: * indicate target species

Table 9 Observed catch and composition during observer trip 8

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	4053	0.7665
<i>Lampris guttatus</i>	Opah	43	0.0081
<i>Ruvettus pretiosus</i>	Oilfish	2	0.0004
<i>Prionace glauca</i>	Blue shark	169	0.0320
<i>Thunnus obesus</i>	Bigeye tuna	64	0.0121
<i>Pseudocarcharias kamoharai</i>	Crocodile shark	1	0.0002
<i>Thunnus albacares</i>	Yellowfin tuna	16	0.0030
<i>Isurus oxyrinchus Rafinesque</i>	Shortfin mako	2	0.0004
<i>Katsuwonus pelamis</i>	Skipjack tuna	115	0.0217
<i>Xiphias gladius</i>	Swordfish	37	0.0070
<i>Masturus lanceolatus</i>	Sharptail mola	1	0.0002
<i>Coryphaena hippurus</i>	Dolphinfish	18	0.0034
<i>Acanthocybium solandri</i>	Wahoo	66	0.0125
<i>Gempylus serpens</i>	Snake mackerel	237	0.0448
<i>Kajikia audax</i>	Striped marlin	22	0.0042
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	215	0.0407
<i>Lepidocybium flavobrunneum</i>	Escolar	221	0.0418
<i>Dasyatis violacea</i>	Pelagic stingray	6	0.0011
Total	-	5288	1

Note: * indicate target species

Table 10 Observed catch and composition during observer trip 9

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	3505	0.7894
<i>Lophotus capellei</i>	Unicornfish	1	0.0002
<i>Taractichthys steindachneri</i>	Sickle pomfret	1	0.0002
<i>Lampris guttatus</i>	Opah	33	0.0074
<i>Ruvettus pretiosus</i>	Oilfish	83	0.0187
<i>Prionace glanca</i>	Blue shark	69	0.0155
<i>Lagenorhynchus obliquidens</i>	Pacific white-sided dolphin	1	0.0002
<i>Thunnus obesus</i>	Bigeye tuna	99	0.0223
<i>Alepisaurus brevirostris</i>	Short snouted lancetfish	3	0.0007
<i>Remora remora</i>	Shark sucker	10	0.0023
<i>Alepisaurus ferox</i>	Longnose lancetfish	66	0.0149
<i>Mola mola</i>	Ocean sunfish	1	0.0002
<i>Exocoetidae</i>	Flyingfishes nei	1	0.0002
<i>Thunnus albacares</i>	Yellowfin tuna	14	0.0032
<i>Katsuwonus pelamis</i>	Skipjack	189	0.0426
<i>Xiphias gladius</i>	Swordfish	14	0.0032
<i>Makaira nigricans</i>	Blue marlin	17	0.0038
<i>Lepidochelys olivacea</i>	Olive ridley turtle	1	0.0002
<i>Lstiophorus platypterus</i>	Indo-pacific sailfish	52	0.0117
<i>Coryphaena hippurus</i>	Dolphinfish	3	0.0007
<i>Acanthocybium solandri</i>	Wahoo	110	0.0248
<i>Tetrapturus audax</i>	Striped marlin	19	0.0043
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	122	0.0275
<i>Lepidocybium flavobrunneum</i>	Escolar	5	0.0011
<i>Dasyatis violacea</i>	Pelagic stingray	21	0.0047
Total	-	4440	1

Note: * indicate target species

Table 11 Observed catch and composition during observer trip 10

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	1540	0.5914
<i>Lampris guttatus</i>	Opah	24	0.0092
<i>Remora osteochir</i>	Marlin sucker	8	0.0031
<i>Prionace glauca</i>	Blue shark	38	0.0146
<i>Thunnus obesus</i>	Bigeye tuna	33	0.0127
<i>Remora remora</i>	Shark sucker	9	0.0035
<i>Alepisaurus ferox</i>	Longnose lancetfish	601	0.2308
<i>Taractes rubescens</i>	Dagger pomfret	5	0.0019

<i>Thunnus albacares</i>	Yellowfin tuna	10	0.0038
<i>Isurus oxyrinchus</i>	Shortfin mako	3	0.0012
<i>Katsuwonus pelamis</i>	Skipjack tuna	37	0.0142
<i>Xiphias gladius</i>	Swordfish	14	0.0054
<i>Makaira nigricans</i>	Blue marlin	2	0.0008
<i>Pseudocarcharias kamoharai</i>	Crocodile shark	2	0.0008
<i>Scombrabolax heterolepis</i>	Longfin escolar	2	0.0008
<i>Acanthocybium solandri</i>	Wahoo	28	0.0108
<i>Gempylus serpens</i>	Snake mackerel	12	0.0046
<i>Tetrapturus audax</i>	Striped marlin	5	0.0019
<i>Brama brama</i>	Atlantic pomfret	1	0.0004
<i>Nesiarchus nasutus</i>	Black gemfish	1	0.0004
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	104	0.0399
<i>Lepidocybium flavobrunneum</i>	Escolar	54	0.0207
<i>Makaira indica</i>	Black marlin	1	0.0004
<i>Ommastrephidae</i>	Squids nei	3	0.0012
<i>Isurus paucus</i>	Longfin mako	3	0.0012
<i>Dasyatis violacea</i>	Pelagic stingray	64	0.0246
Total	-	2604	1

Note: * indicate target species

Table 12 Observed catch and composition during observer trip 11

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	1950	0.6871
<i>Taractichthys steindachneri</i>	Sickle pomfret	2	0.0007
<i>Lampris guttatus</i>	Opah	14	0.0049
<i>Remora osteochir</i>	Marlin sucker	30	0.0106
<i>Prionace glauca</i>	Blue shark	44	0.0155
<i>Thunnus obesus</i>	Bigeye tuna	91	0.0321
<i>Alopias superciliosus</i>	Bigeye thresher	3	0.0011
<i>Remora remora</i>	Shark sucker	5	0.0018
<i>Alepisaurus ferox</i>	Longnose lancetfish	211	0.0743
<i>Exocoetidae</i>	Flyingfishes nei	2	0.0007
<i>Taractes rubescens</i>	Dagger pomfret	6	0.0021
<i>Thunnus albacares</i>	Yellowfin tuna	13	0.0046
<i>Phoebastria palpebrata</i>	Light-mantled sooty albatross	1	0.0004
<i>Isurus oxyrinchus</i>	Shortfin mako	6	0.0021
<i>Katsuwonus pelamis</i>	Skipjack tuna	115	0.0405
<i>Xiphias gladius</i>	Swordfish	11	0.0039
<i>Makaira nigricans</i>	Blue marlin	19	0.0067

<i>Pseudocarcharias kamoharai</i>	Crocodile shark	12	0.0042
<i>Lstiophorus platypterus</i>	Indo-pacific sailfish	1	0.0004
<i>Coryphaena hippurus</i>	Dolphinfish	11	0.0039
<i>Scombrobrax heterolepis</i>	Escolar	2	0.0007
<i>Acanthocybium solandri</i>	Wahoo	51	0.0180
<i>Gempylus serpens</i>	Snake mackerel	9	0.0032
<i>Tetrapturus audax</i>	Striped marlin	9	0.0032
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	130	0.0458
<i>Lepidocybium flavobrunneum</i>	Longfin escolar	64	0.0226
<i>Makaira indica</i>	Black marlin	1	0.0004
<i>Cubiceps gracilis</i>	Driftfish	1	0.0004
<i>Dasyatis violacea</i>	Pelagic stingray	24	0.0085
Total	-	2838	1

Note: * indicate target species

Table 13 Observed catch and composition during observer trip 12

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	17595	0.8550
<i>Taractichthys steindachneri</i>	Sickle pomfret	11	0.0005
<i>Thyrstites atun</i>	Snoek	2	0.0001
<i>Lampris guttatus</i>	Opah	543	0.0264
<i>Prionace glauca</i>	Blue shark	337	0.0164
<i>Thunnus obesus</i>	Bigeye tuna	139	0.0068
<i>Alopias superciliosus</i>	Bigeye thresher	1	0.0000
<i>Pseudocarcharias kamoharai</i>	Crocodile shark	5	0.0002
<i>Alepisaurus ferox</i>	Longnose lancetfish	938	0.0456
<i>Elagatis bipinnulata</i>	Rainbow runner	3	0.0001
<i>Gasterochisma melampus</i>	Butterfly kingfish	23	0.0011
<i>Thunnus albacares</i>	Yellowfin tuna	14	0.0007
<i>Ruvettus pretiosus</i>	Oilfish	10	0.0005
<i>Isurus oxyrinchus</i>	Shortfin mako	4	0.0002
<i>Katsuwonus pelamis</i>	Skipjack tuna	154	0.0075
<i>Xiphias gladius</i>	Swordfish	25	0.0012
<i>Makaira nigricans</i>	Blue marlin	7	0.0003
<i>Thunnus maccoyii</i>	Southern bluefin tuna	1	0.0000
<i>Coryphaena hippurus</i>	Dolphinfish	22	0.0011
<i>Acanthocybium solandri</i>	Wahoo	83	0.0040
<i>Gempylus serpens</i>	Snake mackerel	34	0.0017
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	180	0.0087
<i>Tetrapturus audax</i>	Striped marlin	39	0.0019

<i>Allothunnus fallai</i>	Slender tuna	27	0.0013
<i>Thunnus alalunga</i>	Escolar	271	0.0132
<i>Ommastrephidae</i>	Squids nei	2	0.0001
<i>Isurus paucus</i>	Longfin mako	24	0.0012
<i>Assurger anzac</i>	Razorback scabbardfish	1	0.0000
<i>Dasyatis violacea</i>	Sting ray	83	0.0040
Total	-	20578	1

Note: * indicate target species

Table 14 Observed catch and composition during observer trip 13

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	4263	0.6650
<i>Alepisaurus ferox</i>	Longnose lancetfish	794	0.1238
<i>Lophotus capellei</i>	Unicornfish	3	0.0005
<i>Taractichthys steindachneri</i>	Sickle pomfret	7	0.0011
<i>Thyrsites atun</i>	Snoek	11	0.0017
<i>Lampris guttatus</i>	Opah	95	0.0148
<i>Prionace glauca</i>	Blue shark	198	0.0309
<i>Thunnus obesus</i>	Bigeye tuna	159	0.0248
<i>Alopias superciliosus</i>	Bigeye thresher	5	0.0008
<i>Pseudocarcharias kamoharai</i>	Crocodile shark	11	0.0017
<i>Taractes rubescens</i>	Dagger pomfret	8	0.0012
<i>Thunnus albacares</i>	Yellowfin tuna	14	0.0022
<i>Ruvettus pretiosus</i>	Oilfish	1	0.0002
<i>Isurus oxyrinchus</i>	Shortfin mako	4	0.0006
<i>Katsuwonus pelamis</i>	Skipjack tuna	214	0.0334
<i>Xiphias gladius</i>	Swordfish	47	0.0073
<i>Makaira nigricans</i>	Blue marlin	5	0.0008
<i>Carcharhinus falciformis</i>	Silky shark	1	0.0002
<i>Coryphaena hippurus</i>	Dolphinfish	5	0.0008
<i>Acanthocybium solandri</i>	Wahoo	68	0.0106
<i>Gempylus serpens</i>	Snake mackerel	48	0.0075
<i>Tetrapturus audax</i>	Striped marlin	17	0.0027
<i>Tetrapturus angustirostris</i>	Shortbill Spearfish	94	0.0147
<i>Scymnodon squamulosus</i>	Velvet dogfish	2	0.0003
<i>Thunnus alalunga</i>	Escolar	132	0.0206
<i>Makaira indica</i>	Black marlin	1	0.0002
<i>Cubiceps gracilis</i>	Driftfish	2	0.0003
<i>Eumegistus illustris</i>	Brilliant pomfret	2	0.0003
<i>Dasyatis violacea</i>	Sting ray	200	0.0312

Total	-	6411	1
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Note: * indicate target species

Table 15 Observed catch and composition during observer trip 14

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	1853	0.1797
<i>Thunnus obesus</i>	Bigeye tuna	3	0.0003
<i>Thunnus albacares</i>	Yellowfin tuna	1666	0.1616
<i>Katsuwonus pelamis</i>	Skipjack tuna	67	0.0065
<i>Makaira nigricans</i>	Blue marlin	108	0.0105
<i>Tetrapturus audax</i>	Striped marlin	757	0.0734
<i>Xiphias gladius</i>	Swordfish	321	0.0311
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	2	0.0002
<i>Lstiophorus platypterus</i>	Indo-pacific sailfish	46	0.0045
<i>Acanthocybium solandri</i>	Wahoo	44	0.0043
<i>Carcharhinus falciformis</i>	Silky shark	1944	0.1886
<i>Prionace glauca</i>	Blue shark	2708	0.2627
<i>Isurus oxyrinchus</i>	Shortfin mako	9	0.0009
<i>Alopias superciliosus</i>	Bigeye thresher	128	0.0124
<i>Pseudocarcharias kamoharai</i>	Crocodile shark	19	0.0018
<i>Sphyrna zygaena</i>	Smooth hammerhead	41	0.0040
<i>Sphyrna lewini</i>	Scalloped Hammerhead	50	0.0048
<i>Manta biriostris</i>	Giant manta	22	0.0021
<i>Mobula spp</i>	Devil rays	53	0.0051
<i>Dasyatis violacea</i>	Sting ray	194	0.0188
<i>Masturus lanceolatus</i>	Sharptail sunfish	1	0.0001
<i>Mola mola</i>	Ocean sunfish	1	0.0001
<i>Alepisaurus ferox</i>	Longnose lancetfish	110	0.0107
<i>Sphyrna qenie</i>	Blackfin barracuda	1	0.0001
<i>Coryphaena hippurus</i>	Dolphinfish	106	0.0103
<i>Lepidocybium flavobrunneum</i>	Escolar	4	0.0004
<i>Gempylus serpens</i>	Snake mackerel	23	0.0022
<i>Elagatis bipinnulata</i>	Rainbow runner	3	0.0003
<i>Stenella attenuata</i>	Pantropical spotted dolphin	1	0.0001
<i>Lepidochelys olivacea</i>	Olive ridley turtle	20	0.0019
<i>Dermochelys coriacea</i>	Leatherback turtle	1	0.0001
<i>Chelonia mydas</i>	Green turtle	4	0.0004
Total		10310	1

Note: * indicate target species

Table 16 Observed catch and composition during observer trip 15

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnus alalunga</i>	Albacore tuna*	1777	0.9279373
<i>Thunnus obesus</i>	Bigeye tuna	10	0.0052219
<i>Lepidocybium flavobrunneum</i>	Escolar	28	0.0146214
<i>Lampris guttatus</i>	Opah	10	0.0052219
<i>Istiophorus platypterus</i>	Indo-pacific sailfish	33	0.0172324
-	Unidentified sharks	3	0.0015666
<i>Katsuwonus pelamis</i>	Skipjack tuna	23	0.0120104
<i>Tetrapturus audax</i>	Striped marlin	6	0.0031332
<i>Xiphias gladius</i>	Swordfish	2	0.0010444
<i>Acanthocybium solandri</i>	Wahoo	20	0.0104439
<i>Thunnus albacares</i>	Yellowfin tuna	1	0.0005222
<i>Coryphaena hippurus</i>	Dolphinfish	1	0.0005222
<i>Brama brama</i>	Atlantic pomfret	1	0.0005222
Total	-	1915	1

Note: * indicate target species

Template for annual summary reports on fleet information and observer data for longline vessels >20 m LOA
operating in the EPO

(adopted by the 10th Meeting of the IATTC Scientific Advisory Committee, May 2019)

CPC [China](#)

FLEET INFORMATION (vessels > 20 m LOA)									
	Both set types combined			Shallow sets (< 15 HPB/HBF ¹ or < 100 m max hook depth)			Deep sets (≥ 15 HPB/HBF or ≥ 100 m max hook depth)		
Period covered	Date range 01-01-2022-01-31-2023			Date range DD-MMM-YY-DD-MMM-YY			Date range 01-01-2022-01-31-2023		
Area fished	from 95° W to 133° W and from 6 ° N to 37° S			from (XXX)° W to (XXX)° W and from (XX)° S/N to (XX)° S/N			from 95° W to 133° W and from 6 ° N to 37° S		
	Total Fleet	Observed	% observed	Total Fleet	Observed	% observed	Total Fleet	Observed	% observed
No. of vessels that fished	165	15	0.091	0	0	0	165	15	0.091
No. of trips				0	0	0			
No. of effective days fishing	25057	1700	0.068	0	0	0	25057	1700	0.068
No. of sets	25057	1700	0.068	0	0	0	25057	1700	0.068
No. of hooks (in thousands) (If unknown, approx. no. of hooks/set, using a *)	75171	5257	0.070	0	0	0	75171	5257	0.070
Predominant ² hook type/size (IATTC code)		C-28						C-28	
Predominant bait type ³		F						F	

¹ Hooks per basket/ Hooks between floats

² Predominant' means most common, i.e. >50%

³ Bait codes: SQ-squid; F-fishes (e.g. Scomber spp.); A-artificial lure (e.g. plastic jig)

[illegible]