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SCIENTIFIC ADVISORY COMMITTEE

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**2020 ANNUAL SCIENTIFIC OBSERVER REPORT FOR CHINA TUNA
LONGLINE FISHERY IN THE ANTIGUA CONVENTION AREA**

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 01-01-2020-12-31-2020			Date range DD-MMM-YY-DD-MMM-YY			Date range 01-01-2020-12-31-2020		
Area fished	from 90° W to 149° W and from 06° N to 33° S			from(XXX)° W to (XXX)° W and from (XX)° S/N to (XX)° S/N			from 90° W to 149° W and from 06° N to 33° S		
	Total Fleet	Observed	% observed	Total Fleet	Observed	% observed	Total Fleet	Observed	% observed
No. of vessels that fished	232	14	0.060	0	0	0	232	14	0.060
No. of trips				0	0	0			
No. of effective days fishing	29245	1262	0.043	0	0	0	29245	1262	0.043
No. of sets	29245	1262	0.043	0	0	0	29245	1262	0.043
No. of hooks (in thousands) (If unknown, approx. no. of hooks/set, using a *)	83023	4037	0.049	0	0	0	83023	4037	0.049
Predominant ² hook type/size (IATTC code)	C-16	C-16					C-16	C-16	
Predominant bait type ³	F	F					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]

CPC OBSERVER ANNUAL REPORT FOR THE YEAR 2020 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 2020, China conducted eighteen longline observer trips in the IATTC convention area (east of 150°W). However, there are four observers still at sea just under the influence of the COVID-19. This report is the preliminary one for the fourteen observer trips. More than 1262 fishing days were observed during the fourteen trips (**Table 1**). Some of the Chinese observer trips for the EPO area are shared with those for the WCPFC area (west of 150°W), i.e., the same observer with the same longline vessel does the observations across the boundary of longitude line 150°W. Sets of the observer trips deployed in the WCPO areas were removed.

The observed set stations for the fourteen trips are shown in **Figure 1**. These trips targeted albacore or bigeye tuna using the circle hooks.

Table 1 Information of Seventeen Chinese LL observer trips in the IATTC area in 2020

Trips	Observed fishing days	Observed hooks	Observation period	Observation area
Trip 1	107	415,485	Aug26,2020- Jan 19,2021	14°~32°S,93°~123°W
Trip 2	153	393,034	Jun22,2020- Dec30,2020	12°~21°S,112°~126°W
Trip 3	25	78,651	Jan 25,2020- May 10,2020	5°~14°S,117°~119°W
Trip 4	9	27,216	Jun28,2020- Jul8,2020	2°~13°S,119°~141°W
Trip 5	129	343,955	Aug6,2020- Jan 19,2021	13°~32°S,96°~125°W

Trip 6	61	104,156	Oct3,2020- Dec15,2020	2°N~3°S,106°~117°W
Trip 7	7	17,226	Jun 28,2020–Jul 6,2020	5°~6°N,144°~149°W
Trip 8	140	594,946	Jun 9,2020- Jan 24,2021	9°~30°S, 93°~149°W
Trip 9	127	430,980	Jul 27,2020- Jan 11,2021	14°~32°S,93°~133°W
Trip 10	28	72,800	Oct31,2019-Aug 10,2020	8°~9°S, 147°~149°W
Trip 11	10	33,096	Jun4,2020-Jul 25,2020	8°~11°S, 145°~149°W
Trip 12	124	410,589	Aug11,2020-Jan 25,2021	15°~33°S, 90°~135°W
Trip 13	226	692,469	Jul 27,2019-May 11,2020	7°~20°S, 118°~149°W
Trip 14	116	423,380	Jun 13,2020- Dec 31,2020	9°~33°S, 90°~149°W

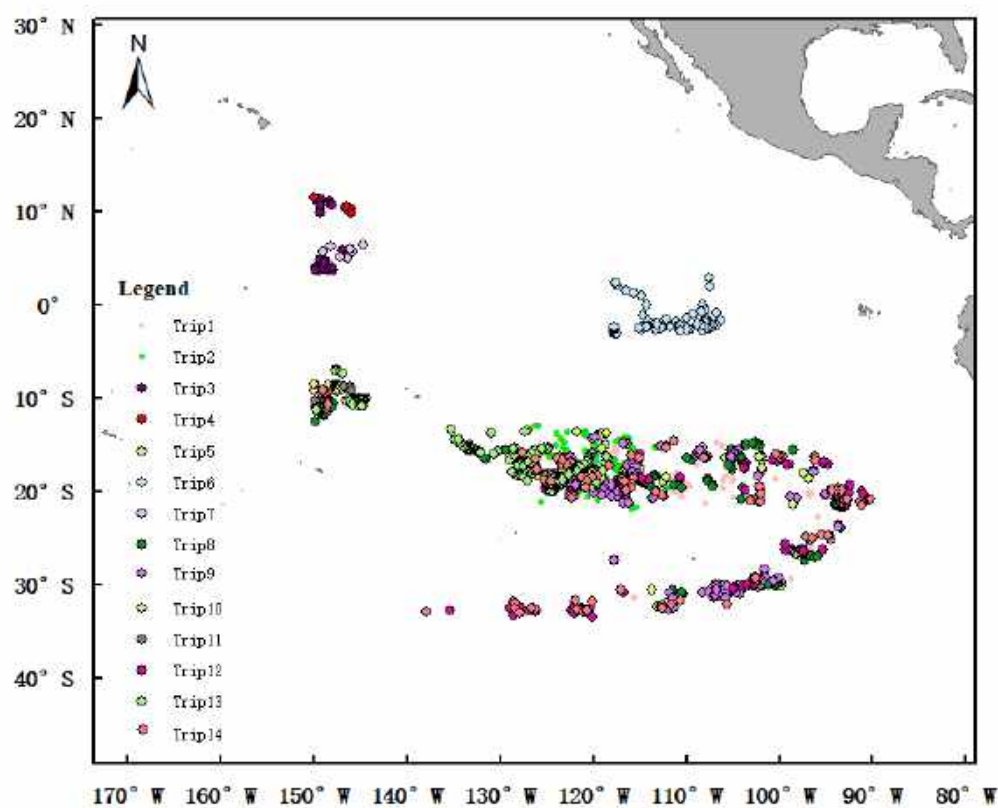


Fig. 1 Set stations of preliminary Chinese longline observer trips in 2020

2. Observer coverage

Based on the preliminary observer data, the China observer coverage in EPO is 4.86%. Meanwhile, seriously affected by the COVID-19, some observers are still at sea and these data cannot be sent to the shore. We will submit these data when the data are available. 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 birds. 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 80-90%, due to long hauling time.

The observed catches in number for each trip, including target and bycatch species, are listed in **Table 2-15**.

There were two seabirds incidentally captured in trip14. Three turtles (two green turtles and one Hawksbill turtle) were captured in trip6, trip8 and trip13. 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). There was no marine mammals incidentally captured. 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>Thunnusalalunga</i>	Albacore*	12802	0.8484
<i>Thunnusalbacares</i>	Yellowfin tuna	78	0.0052
<i>Thunnusobesus</i>	Bigeye tuna	216	0.0143
<i>Katsuwonuspelamis</i>	Skipjack tuna	187	0.0124
<i>Xiphias gladius</i>	Swordfish	32	0.0021
<i>Kajikiaaudax</i>	Striped marlin	25	0.0017
<i>Makairamazara</i>	Indo-Pacific blue marlin	3	0.0002
<i>Tetrapturusangustirostris</i>	Shortbill spearfish	178	0.0118
<i>Pteroplatytrygonviolacea</i>	Pelagic stingray	307	0.0203
<i>Acanthocybiumsolandri</i>	Wahoo	115	0.0076
<i>Coryphaenahippurus</i>	Dolphinfish	71	0.0047
<i>Gempylusserpens</i>	Snake mackerel	543	0.0360
<i>Promethichthysprometheus</i>	Roudi escolar	1	0.0001
<i>Lepidocybiumflavobrunneum</i>	Escolar	171	0.0113
<i>Taractichthyssteindachneri</i>	Sickle pomfret	1	0.0001
<i>Taracterubescens</i>	Dagger pomfret	3	0.0002
<i>Lamprisguttatus</i>	Opah	343	0.0227
<i>Alepisaurusferox</i>	Longnose lancetfish	13	0.0009
Total	-	15089	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>Thunnusalalunga</i>	Albacore*	4313	0.5820
<i>Thunnusalbacares</i>	Yellowfin tuna	344	0.0464
<i>Thunnusobesus</i>	Bigeye tuna	449	0.0606
<i>Katsuwonuspelamis</i>	Skipjack tuna	282	0.0380
<i>Xiphias gladius</i>	Swordfish	15	0.0020
<i>Makairamazara</i>	Indo-Pacific blue marlin	29	0.0039
<i>Istiompaxindica</i>	Black marlin	2	0.0003
<i>Kajikiaaudax</i>	Striped marlin	19	0.0026
<i>Istiophorusplatypterus</i>	Indo-Pacific sailfish	4	0.0005
<i>Tetrapturusangustirostris</i>	Shortbill spearfish	296	0.0399
<i>Prionaceglauca</i>	Blue shark	5	0.0007
<i>Carcharhinuslongimanus</i>	Oceanic whitetip shark	2	0.0003
<i>Pseudocarcharias kamoharai</i>	Crocodile shark	2	0.0003
<i>Pteroplatytrygonviolacea</i>	Pelagic stingray	417	0.0563

<i>Sphyraena barracuda</i>	Great barracuda	2	0.0003
<i>Coryphaenahippurus</i>	Dolphinfish	90	0.0121
<i>Coryphaenaequiselis</i>	Pompano dolphinfish	1	0.0001
<i>Acanthocybiumsolandri</i>	Wahoo	157	0.0212
<i>Lepidocybiumflavobrunneum</i>	Escolar	145	0.0196
<i>Gempylusserpens</i>	Snake mackerel	11	0.0015
<i>Promethichthysprometheus</i>	Roudi escolar	3	0.0004
<i>Nesiarchusnasutus</i>	Black gemfish	1	0.0001
<i>Taractichthyssteindachneri</i>	Sickle pomfret	1	0.0001
<i>Taractesrubescens</i>	Dagger pomfret	3	0.0004
<i>Bramabrama</i>	Atlantic pomfret	1	0.0001
<i>Lamprisguttatus</i>	Opah	36	0.0049
<i>Lophotuscapellei</i>	Unicornfish	3	0.0004
<i>Alepisaurusferox</i>	Longnose lancetfish	771	0.1040
<i>Masturuslanceolatus</i>	Sharptailmola	2	0.0003
<i>Ranzanialaavis</i>	Slender sunfish	5	0.0007
Total	-	7412	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>Thunnusobesus</i>	Bigeye tuna*	54	0.2647
<i>Thunnusalalunga</i>	Albacore	2	0.0098
<i>Thunnusalbacares</i>	Yellowfin tuna	85	0.4167
<i>Katsuwonuspelamis</i>	Skipjack tuna	7	0.0343
<i>Makairamazara</i>	Indo-Pacific blue marlin	6	0.0294
<i>Carcharhinuslongimanus</i>	Oceanic whitetip shark	1	0.0049
<i>Prionaceglauca</i>	Blue shark	3	0.0147
Shark nei.	Shark	12	0.0588
<i>Pteroplatytrygonviolacea</i>	Pelagic stingray	12	0.0588
<i>Sphyraena barracuda</i>	Great barracuda	9	0.0441
<i>Acanthocybiumsolandri</i>	Wahoo	4	0.0196
<i>Coryphaenahippurus</i>	Dolphinfish	4	0.0196
<i>Taractichthyssteindachneri</i>	Sickle pomfret	1	0.0049
<i>Lamprisguttatus</i>	Opah	2	0.0098
<i>Alepisaurusferox</i>	Longnose lancetfish	2	0.0098
Total	-	204	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>Thunnusobesus</i>	Bigeye tuna*	34	0.2556
<i>Thynnusalalunga</i>	Albacore	2	0.0150
<i>Thunnusalbacares</i>	Yellowfin tuna	47	0.3534
<i>Katsuwonuspelamis</i>	Skipjack tuna	3	0.0226
<i>Makairamazara</i>	Indo-Pacific blue marlin	1	0.0075
Shark nei.	Shark	14	0.1053
<i>Pteroplatytrygonviolacea</i>	Pelagic stingray	21	0.1579
<i>Lepidocybiumflavobrunneum</i>	Escolar	1	0.0075
<i>Alepisaurusferox</i>	Longnose lancetfish	10	0.0752
Total	-	133	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>Thynnusalalunga</i>	Albacore*	6063	0.9150
<i>Thunnusobesus</i>	Bigeye tuna	133	0.0201
<i>Thunnusalbacares</i>	Yellowfin tuna	51	0.0077
<i>Katsuwonuspelamis</i>	Skipjack tuna	93	0.0140
<i>Xiphias gladius</i>	Swordfish	12	0.0018
<i>Makairamazara</i>	Indo-Pacific blue marlin	51	0.0088
<i>Tetrapturusangustirostris</i>	Shortbill spearfish	21	0.0032
<i>Acanthocybiumsolandri</i>	Wahoo	81	0.0122
<i>Lepidocybiumflavobrunneum</i>	Escolar	42	0.0063
<i>Lamprisguttatus</i>	Opah	79	0.0119
Total	-	6626	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>Thunnusalbacares</i>	Yellowfin tuna*	608	0.3246
<i>Thunnusobesus</i>	Bigeye tuna*	204	0.1089
<i>Xiphias gladius</i>	Swordfish	82	0.0438
<i>Makairamazara</i>	Indo-Pacific blue marlin	7	0.0037
<i>Istiompaxindica</i>	Black marlin	2	0.0011

<i>Kajikiaa</i> <i>audax</i>	Striped Marlin	19	0.0101
<i>Tetrapturus</i> <i>angustirostris</i>	Shortbill spearfish	2	0.0011
<i>Prionace</i> <i>glauca</i>	Blue shark	284	0.1516
<i>Carcharhinus</i> <i>falciformis</i>	Silky shark	130	0.0694
<i>Carcharhinus</i> <i>longimanus</i>	Oceanic whitetip shark	6	0.0032
<i>Alopias</i> <i>superciliosus</i>	Bigeye thresher	123	0.0657
<i>Alopias</i> <i>pelagicus</i>	Pelagic thresher	128	0.0683
<i>Isurus</i> <i>oxyrinchus</i>	Shortfin mako	6	0.0032
<i>Isurus</i> <i>paucus</i>	Longfin mako	4	0.0021
<i>Sphyrna</i> <i>zygaena</i>	Smooth hammerhead	18	0.0096
<i>Pseudocarcharias</i> <i>kamoharai</i>	Crocodile shark	8	0.0043
<i>Mobula</i> <i>japonica</i>	Spinetailmobula	17	0.0091
<i>Pteroplaty</i> <i>trygonviolacea</i>	Pelagic stingray	60	0.0320
<i>Coryphaena</i> <i>hippurus</i>	Dolphinfish	64	0.0342
<i>Alepisaurus</i> <i>ferox</i>	Longnose lancetfish	8	0.0043
<i>Ruvettus</i> <i>pretiosus</i>	Oilfish	1	0.0005
<i>Lepidocybium</i> <i>flavobrunneum</i>	Escolar	91	0.0486
<i>Cheloniamydas</i>	Green turtle	1	0.0005
Total	-	1873	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</i> <i>obesus</i>	Bigeye tuna*	4	0.0833
<i>Thunnus</i> <i>alalunga</i>	Albacore	3	0.0625
<i>Thunnus</i> <i>albacares</i>	Yellowfin tuna	22	0.4583
<i>Xiphias</i> <i>gladius</i>	Swordfish	2	0.0417
<i>Makaira</i> <i>mazara</i>	Indo-Pacific blue marlin	1	0.0208
<i>Pteroplaty</i> <i>trygonviolacea</i>	Pelagic stingray	8	0.1667
<i>Coryphaena</i> <i>hippurus</i>	Dolphinfish	1	0.0208
<i>Acanthocybium</i> <i>solandri</i>	Wahoo	1	0.0208
<i>Taractichthys</i> <i>steindachneri</i>	Sickle pomfret	1	0.0208
<i>Lepidocybium</i> <i>flavobrunneum</i>	Escolar	3	0.0625
<i>Alepisaurus</i> <i>ferox</i>	Longnose lancetfish	2	0.0417
Total	-	48	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>Thunnusalalunga</i>	Albacore*	16956	0.9452
<i>Thunnusalbacares</i>	Yellowfin tuna	147	0.0082
<i>Thunnusobesus</i>	Bigeye tuna	222	0.0124
<i>Katsuwonuspelamis</i>	Skipjack tuna	216	0.0120
<i>Xiphias gladius</i>	Swordfish	17	0.0009
<i>Makairamazara</i>	Indo-Pacific blue marlin	32	0.0018
<i>Istiophorusplatypterus</i>	Indo-Pacific sailfish	3	0.0002
<i>Tetrapturusangustirostris</i>	Shortbill spearfish	53	0.0030
<i>Kajikiaaudax</i>	Striped marlin	2	0.0001
<i>Prionaceglauca</i>	Blue shark	1	0.0001
<i>Pteroplatytrygonviolacea</i>	Pelagic stingray	7	0.0004
<i>Acanthocybiumsolandri</i>	Wahoo	84	0.0047
<i>Sphyrna barracuda</i>	Great barracuda	4	0.0002
<i>Coryphaenahippurus</i>	Dolphinfish	18	0.0010
<i>Gempylusserpens</i>	Snake mackerel	3	0.0002
<i>Nesiarchusnasutus</i>	Black gemfish	2	0.0001
<i>Lepidocybiumflavobrunneum</i>	Escolar	68	0.0038
<i>Taractichthyssteindachneri</i>	Sickle pomfret	1	0.0001
<i>Lamprisguttatus</i>	Opah	75	0.0042
<i>Alepisaurusferox</i>	Longnose lancetfish	28	0.0016
<i>Eretmochelysimbricata</i>	Hawksbill turtle	1	0.0001
Total	-	17940	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>Thunnusalalunga</i>	Albacore*	6930	0.8274
<i>Thunnusalbacares</i>	Yellowfin tuna	51	0.0061
<i>Thunnusobesus</i>	Bigeye tuna	164	0.0196
<i>Katsuwonuspelamis</i>	Skipjack tuna	235	0.0281
<i>Xiphias gladius</i>	Swordfish	43	0.0051
<i>Istiophorusplatypterus</i>	Indo-Pacific sailfish	27	0.0032
<i>Istiompaxindica</i>	Black marlin	8	0.0010
<i>Makairamazara</i>	Indo-Pacific blue marlin	55	0.0066
<i>Tetrapturusangustirostris</i>	Shortbill spearfish	95	0.0113
<i>Mobula japonica</i>	Spinetailmobula	1	0.0001
<i>Coryphaenahippurus</i>	Dolphinfish	46	0.0055

<i>Acanthocybiumsolandri</i>	Wahoo	131	0.0156
<i>Lepidocybiumflavobrunneum</i>	Escolar	259	0.0309
<i>Ruvettuspretiosus</i>	Oilfish	15	0.0018
<i>Lamprisguttatus</i>	Opah	316	0.0377
Total	-	8376	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>Thunnusobesus</i>	Bigeye tuna*	296	0.2822
<i>Thunnusalbacares</i>	Yellowfin tuna	128	0.1220
<i>Thunnusalalunga</i>	Albacore	112	0.1068
<i>Katsuwonuspelamis</i>	Skipjack tuna	1	0.0010
<i>Xiphias gladius</i>	Swordfish	18	0.0172
<i>Makairamazara</i>	Indo-Pacific blue marlin	12	0.0114
<i>Tetrapturusangustirostris</i>	Shortbill spearfish	1	0.0010
<i>Kajikiaaudax</i>	Striped marlin	5	0.0048
<i>Carcharhinusfalciformis</i>	Silky shark	1	0.0010
<i>Prionaceglauca</i>	Blue shark	105	0.1001
<i>Isurus oxyrinchus</i>	Shortfin mako	6	0.0057
<i>Alopiassuperciliosus</i>	Bigeye thresher	29	0.0276
<i>Isuruspaucus</i>	Longfin mako	4	0.0038
<i>Sphyrnazygaena</i>	Smooth hammerhead	1	0.0010
<i>Pteroplatytrygonviolacea</i>	Pelagic stingray	20	0.0191
<i>Acanthocybiumsolandri</i>	Wahoo	7	0.0067
<i>Lepidocybiumflavobrunneum</i>	Escolar	231	0.2202
<i>Taractesrubescens</i>	Dagger pomfret	68	0.0648
<i>Alepisaurusferox</i>	Longnose lancetfish	4	0.0038
Total	-	1049	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>Thunnusalalunga</i>	Albacore*	185	0.5331
<i>Thunnusalbacares</i>	Yellowfin tuna	74	0.2133
<i>Thunnusobesus</i>	Bigeye tuna	24	0.0692
<i>Katsuwonuspelamis</i>	Skipjack tuna	7	0.0202
<i>Makairamazara</i>	Indo-Pacific blue marlin	2	0.0058
<i>Tetrapturusangustirostris</i>	Shortbill spearfish	10	0.0288

<i>Prionaceglauca</i>	Blue shark	2	0.0058
<i>Pteroplatytrygonviolacea</i>	Pelagic stingray	10	0.0288
<i>Acanthocybiumsolandri</i>	Wahoo	15	0.0432
<i>Lepidocybiumflavobrunneum</i>	Escolar	12	0.0346
<i>Lamprisguttatus</i>	Opah	1	0.0029
<i>Alepisaurusferox</i>	Longnose lancetfish	5	0.0144
Total	-	347	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>Thunnusalahunga</i>	Albacore*	11017	0.7768
<i>Thunnusalbacares</i>	Yellowfin tuna	68	0.0048
<i>Thunnusobesus</i>	Bigeye tuna	152	0.0107
<i>Katsuwonuspelamis</i>	Skipjack tuna	243	0.0171
<i>Xiphias gladius</i>	Swordfish	48	0.0034
<i>Makairamazara</i>	Indo-Pacific blue marlin	24	0.0017
<i>Tetrapturusangustirostris</i>	Shortbill spearfish	103	0.0073
<i>Kajikiaaudax</i>	Striped marlin	22	0.0016
<i>Prionaceglauca</i>	Blue shark	256	0.0180
<i>Carcharhinusfalciformis</i>	Silky shark	3	0.0002
<i>Isurus oxyrinchus</i>	Shortfin mako	2	0.0001
<i>Isuruspaucus</i>	Longfin mako	46	0.0032
<i>Pseudocarcharias kamoharai</i>	Crocodile shark	23	0.0016
<i>Pteroplatytrygonviolacea</i>	Pelagic stingray	192	0.0135
<i>Gasterochismamamelampus</i>	Butterfly kingfish	6	0.0004
<i>Acanthocybiumsolandri</i>	Wahoo	163	0.0115
<i>Coryphaenahippurus</i>	Dolphinfish	54	0.0038
<i>Assurgeranzac</i>	Razorback scabbardfish	1	0.0001
<i>Lepidocybiumflavobrunneum</i>	Escolar	250	0.0176
<i>Ruvettuspretiosus</i>	Oilfish	3	0.0002
<i>Pteraclisaesticola</i>	Pacific fanfish	2	0.0001
<i>Cubicepsgracilis</i>	Driftfish	3	0.0002
<i>Lamprisguttatus</i>	Opah	334	0.0235
<i>Alepisaurusferox</i>	Longnose lancetfish	1108	0.0824
Total	-	14183	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>Thunnusalalunga</i>	Albacore*	5236	0.6694
<i>Thunnusalbacares</i>	Yellowfin tuna	310	0.0396
<i>Thunnusobesus</i>	Bigeye tuna	455	0.0582
<i>Katsuwonuspelamis</i>	Skipjack tuna	540	0.0690
<i>Xiphias gladius</i>	Swordfish	30	0.0038
<i>Istiompaxindica</i>	Black marlin	81	0.0104
<i>Tetrapturusangustirostris</i>	Shortbill spearfish	290	0.0371
<i>Istiophorusplatypterus</i>	Indo-Pacific sailfish	2	0.0003
<i>Kajikiaaudax</i>	Striped marlin	21	0.0027
<i>Pseudocarcharias kamoharai</i>	Crocodile shark	8	0.0010
<i>Mobula japonica</i>	Spinetailmobula	2	0.0003
<i>Pteroplatytrygonviolacea</i>	Pelagic stingray	20	0.0026
<i>Acanthocybiumsolandri</i>	Wahoo	372	0.0476
<i>Coryphaenahippurus</i>	Dolphinfish	78	0.0100
<i>Sphyrna barracuda</i>	Great barracuda	11	0.0014
<i>Gempylusserpens</i>	Snake mackerel	11	0.0014
<i>Lepidocybiumflavobrunneum</i>	Escolar	228	0.0291
<i>Promethichthysprometheus</i>	Roudi escolar	9	0.0012
<i>Taractichthyssteindachneri</i>	Sickle pomfret	4	0.0005
<i>Taractesrubescens</i>	Dagger pomfret	5	0.0006
<i>Bramabrama</i>	Atlantic pomfret	1	0.0001
<i>Lamprisguttatus</i>	Opah	50	0.0064
<i>Lophotuscapellei</i>	Unicornfish	3	0.0004
<i>Lagocephaluslagocephalus</i>	Rabbit puffer	1	0.0001
<i>Cubicepsgracilis</i>	Driftfish	1	0.0001
<i>Alepisaurusferox</i>	Longnose lancetfish	45	0.0058
<i>Ranzanialaervis</i>	Slender sunfish	7	0.0009
<i>Cheloniamydas</i>	Green turtle	1	0.0001
Total	-	7822	1

Note: * indicate target species

Table 15 Observed catch and composition during observer trip 14

Scientific name	English name	Observed catch in number	Percentage (%)
<i>Thunnusalalunga</i>	Albacore*	10988	0.7425
<i>Thunnusobesus</i>	Bigeye tuna	263	0.0178
<i>Thunnusalbacares</i>	Yellowfin tuna	183	0.0124
<i>Katsuwonuspelamis</i>	Skipjack tuna	209	0.0141

<i>Xiphias gladius</i>	Swordfish	46	0.0031
<i>Makairamazara</i>	Indo-Pacific blue marlin	19	0.0013
<i>Istiophorus platypterus</i>	Indo-Pacific sailfish	2	0.0001
<i>Tetrapturus angustirostris</i>	Shortbill spearfish	76	0.0051
<i>Kajikia audax</i>	Striped marlin	29	0.0020
<i>Carcharhinus falciformis</i>	Silky shark	5	0.0003
<i>Carcharhinus longimanus</i>	Oceanic whitetip shark	3	0.0002
<i>Prionace glauca</i>	Blue shark	306	0.0207
<i>Alopias superciliosus</i>	Bigeye thresher	1	0.0001
<i>Alopias pelagicus</i>	Pelagic thresher	1	0.0001
<i>Isurus oxyrinchus</i>	Shortfin mako	46	0.0031
<i>Isurus paucus</i>	Longfin mako	1	0.0001
<i>Pseudocarcharias kamoharui</i>	Crocodile shark	43	0.0029
<i>Manta biriostris</i>	Giant manta	1	0.0001
<i>Pteroplatytrygon violacea</i>	Pelagic stingray	200	0.0135
<i>Gasterochismam lampus</i>	Butterfly kingfish	4	0.0003
<i>Allothenus fallai</i>	Slender tuna	1	0.0001
<i>Acanthocybium solandri</i>	Wahoo	186	0.0126
<i>Sphyrna barracuda</i>	Great barracuda	5	0.0003
<i>Seriolalandi</i>	Yellowtail amberjack	6	0.0004
<i>Coryphaenahippurus</i>	Dolphinfish	125	0.0084
<i>Gempylus serpens</i>	Snake mackerel	4	0.0003
<i>Nesiarchus nasutus</i>	Black gemfish	1	0.0001
<i>Lepidocybium flavobrunneum</i>	Escolar	343	0.0232
<i>Ruvettus pretiosus</i>	Oilfish	3	0.0002
<i>Taractichthys steindachneri</i>	Sickle pomfret	2	0.0001
<i>Taractes rubescens</i>	Dagger pomfret	10	0.0007
<i>Bramabrama</i>	Atlantic pomfret	2	0.0001
<i>Cubiceps gracilis</i>	Driftfish	1	0.0001
<i>Lampris guttatus</i>	Opah	348	0.0235
<i>Lophotus capellei</i>	Unicornfish	2	0.0001
<i>Alepisaurus ferox</i>	Longnose lancetfish	1328	0.0897
<i>Assurgeranzac</i>	Razorback scabbardfish	3	0.0002
<i>Masturus lanceolatus</i>	Sharptail mola	1	0.0001
<i>Thalassarche bulleri</i>	Buller's albatross	1	0.0001
Diomedidae sp.	Albatross	1	0.0001
Total	-	14799	1

Note: * indicate target species