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**INFORMATION PAPER: DATA SUMMARIES IN SUPPORT OF DISCUSSIONS ON THE  
CMMS ON TROPICAL TUNAS (CMM 2013-01, CMM 2014-01 AND CMM 2015-01)**

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**Table 1. Purse seine days fished in waters under national jurisdiction and in International waters (20°N-20°S) in the WCPFC-CA**

EEZ	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Av. 2006- 2010	See NOTE(s)
AUSTRALIA	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	2,9
COOK ISLANDS	46	228	8	6	2	8	3	29	45	19	103	480	201	336	347	21	2
FIJI	12	5	10	26	36	6	6	23	11	29	27	27	32	0	53	15	2
FRENCH POLYNESIA	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
INDONESIA	466	432	483	644	750	598	451	285	319	224	491	1,130	2,419	1,386	324	375	2,4
JAPAN	2,339	2,253	2,166	2,203	1,591	1,410	1,650	728	405	384	188	295	449	182	601	915	2,9,10
NEW ZEALAND	233	256	172	459	371	218	245	234	135	218	287	268	306	285	278	210	2,9
NIUE	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	2
PHILIPPINES	726	776	1,077	1,120	1,054	1,054	1,197	1,371	975	660	425	359	835	1,149	890	1,051	2,4,6
SAMOA	7	11	3	4	3	1	3	7	9	7	39	29	34	14	35	5	2
TOKELAU	99	395	27	69	128	33	48	137	217	189	866	724	405	595	1,360	125	2
TONGA	2	0	0	1	1	0	0	0	0	0	0	0	2	0	3	0	2
USA	350	480	237	300	132	191	106	61	127	30	44	205	189	235	101	103	2
VANUATU	2	2	0	23	1	0	0	14	1	0	4	5	1	0	4	3	2
WALLIS AND FUTUNA	5	3	4	0	4	0	0	6	6	1	3	1	0	1	3	3	2
PNA EEZs (excl AWS)	24,942	27,261	29,344	30,522	32,356	32,088	31,735	34,407	32,688	44,065	46,675	42,132	43,428	42,461	31,456	28,017	5,12,12
PNA AWS only	2,427	2,216	3,567	3,099	4,667	3,921	5,714	6,256	7,018	6,269	8,589	8,812	7,629	6,779	3,976	2,827	5
PNA EEZs + AWS = TOTAL PNA	27,369	29,477	32,911	33,621	37,023	36,009	37,449	40,663	39,706	50,334	55,264	50,944	51,057	49,240	35,432	30,845	5
TOTAL EEZs - excl. PNA AWS	29,224	32,101	33,528	35,377	36,425	35,607	35,444	37,296	34,932	45,825	49,150	45,654	48,301	46,643	35,452	32,558	
TOTAL EEZs - excl. PNA AWS and ID/PH	28,032	30,893	31,968	33,613	34,621	33,955	33,796	35,640	33,638	44,941	48,234	44,165	45,047	44,108	34,238	31,127	
TOTAL EEZs + PNA AWS	31,656	34,321	37,100	38,476	41,096	39,528	41,158	43,559	41,957	52,095	57,742	54,467	55,930	53,423	39,431	35,388	
TOTAL INT. WATERS (20°N-20°S)	7,346	8,213	8,232	10,241	8,758	6,615	8,213	8,555	10,071	1,498	1,515	2,213	6,142	5,590	8,321		6,8,11
TOTAL (EEZs + IW + PNA AWS)	39,002	42,534	45,332	48,717	49,854	46,143	49,371	52,114	52,028	53,593	59,257	56,680	62,072	59,013	47,752		
TOTAL minus ID/PH	37,310	40,826	43,272	46,453	47,550	43,991	47,223	49,958	50,234	52,709	58,341	55,191	58,818	56,478	46,538		
VIETNAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14

**Notes:**

1. Source: Raised logsheet data.
2. CMM 2014 -01 (or its replacement CMM)- Para. 22 or 23. for years 2015 onwards
3. Catches and effort of vessels operating under charters and similar arrangements have been attributed to host island states or territories in accordance with paragraph 2 of CMM 2008-01 or paragraph 5 of CMM 2013-01 (or its replacement CMM) using the best information available to SPC-OFP. However, in some cases, catches have not yet been attributed to the CCM responsible for the "charter or similar arrangements" since the flag state CCM has yet to advise that it has excluded these catches from their data (and thereby avoid double-counting).
4. Purse-seine days for Indonesia and the Philippines in domestic waters have been estimated according to Appendix A in the SC4 Statistics SWG Working paper WP-4 (Data relating to purse-seine effort on the high seas and in the zones of non-PNA member CCMs). The estimates exclude archipelagic waters (AW) effort.
5. The definition of days effort in this table may differ from the definition of days used in the PNA Vessel Day Scheme (VDS)
6. The Total International waters effort prior to 2013 does not includes estimates of effort for the Philippines domestic fleet at this stage.
7. Since 2011, some components of the tropical purse seine fleet have changed criteria for reporting days with searching (included as a fishing day) and transiting (not included as a fishing day) and this is reflected in the decline in fishing days since 2011.
8. Philippines effort in the high seas pocket 1 during 2013 was 1,352 sets with an estimated 1 set per three days to produce an estimate of 4,056 days effort.
9. Coastal States within the Convention Area either north of 20°N or south of 20°S. CMM 2014-01 (or its replacement CMM)Para. 22, 23 and footnote 6 on Page 7 -- relevant for 2014 onwards.
10. Operational data for Japan EEZ are not available. Japan effort in their EEZ for years 2001-2007 was determined as the best estimate from their aggregate data. Japan effort for 2008-2015 in their EEZ was provided by Japan in their submission of Annual effort by EEZ/high seas areas.
11. International waters covers high seas in the WCFPC Conventional Area covering the area 20°N-20°S (valid for CMM 2014-01).
12. CMM 2014-01 -- Para. 20. for 2014 onwards "Coastal States within the Convention Area that are Parties to the Nauru Agreement (PNA) shall restrict the level of purse seine effort in their EEZs to 2010 levels through the PNA Vessel Days Scheme".
13. CMM 2014-01 -- Para. 22. for 2014 onwards "Other coastal States within the Convention Area with effort in their EEZs exceeding 1,500 days annually over the period 2006-2010 shall limit effort in their EEZs to 2001-2004 average or 2010 levels".
14. The Vietnam purse seine fleet are understood to fish outside the WCFPC Convention Area (South China Sea).

Table 2. Purse seine days fished in international waters in the WCPFC-CA between 20°N and 20°S, by flag, based on available operational data.

PURSE SEINE DAYS FISHED INTERNATIONAL WATERS 20°N-20°S																		
Flag	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	CMM 2014-01 limits for 2015 (Att. D)	Max. Annual days for 2010-2012	See Notes
CHINA	88	125	149	424	505	231	334	251	918	13	7	26	15	9	80	26	26	11
ECUADOR	0	0	0	0	0	0	13	5	5	3	3	12	0	1	0	**	12	7,9
EL SALVADOR	3	28	0	0	0	0	206	203	78	46	33	29	29	48	29	**	46	7,9
EUROPEAN UNION	0	8	13	53	31	78	237	278	249	284	313	422	371	366	244	403	422	7
FSM	239	239	176	384	218	86	168	126	336	6	3	14	7	11	456			
INDONESIA	500	500	500	500	500	500	500	500	500	0	0	0	0	0	0	(0)		
JAPAN	1,366	1,269	1,755	1,867	1,837	1,580	1,346	1,067	1,561	6	3	1	12	8	101	121	6	
KIRIBATI	41	54	40	36	50	52	22	34	160	97	246	183	187	849	713			11
MARSHALL ISLANDS	170	209	441	396	400	154	177	283	173	68	28	2	5	8	801			
NEW ZEALAND	23	329	342	206	96	287	200	195	206	68	30	89	15	19	105	160		10
PAPUA NEW GUINEA	416	621	633	1,208	1,300	463	849	713	833	83	23	41	16	40	1,061	#		
PHILIPPINES	13	56	449	464	320	151	26	73	20	2	0	3	4,096	2,667	2,441	4,669		4,5
REPUBLIC OF KOREA	1,302	1,285	1,153	1,244	1,069	732	1,389	1,518	1,703	230	64	25	32	192	177	207	230	
SOLOMON ISLANDS	31	37	0	0	17	15	5	0	0	0	0	1	0	0	0			
TUVALU	0	0	0	0	0	0	0	0	40	4	5	1	0	1	85			
CHINESE TAIPEI	1,972	1,860	1,442	1,844	1,229	1,239	1,483	1,329	1,421	74	81	23	71	47	89	95	81	
USA	969	1,315	858	989	767	527	791	1,546	1,733	397	567	1,237	1,032	1,083	1,772	1,270	1,237	
VANUATU	67	166	186	579	378	401	379	166	64	37	31	7	8	3	0			
TOTAL	7,200	8,101	8,137	10,194	8,717	6,496	8,125	8,287	10,000	1,418	1,437	2,116	5,896	5,352	8,154			

  

PURSE SEINE DAYS FISHED in WCPFC-IATTC OVERLAP AREA																		
Flag	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015			See Notes
ECUADOR	0	0	0	0	0	0	22	83	33	46	39	81	89	69	69			7
EL SALVADOR	23	35	3	0	0	0	26	131	24	20	22	4	121	154	31			7
EUROPEAN UNION	126	78	91	49	41	119	35	29	14	14	17	11	35	18	70			7
TOTAL	149	113	94	49	41	119	83	243	71	80	78	96	245	241	170			

**Notes:**

1. Source: Raised logsheet data.
2. Catches and effort of vessels operating under charters and similar arrangements have been attributed to host island states or territories in accordance with paragraph 2 of CMM 2008-01 or paragraph 5 of CMM 2013-01 (or its replacement) using the best information available to SPC-OFP. However, in several cases, catches have not yet been attributed to the CCM responsible for the "charter or similar arrangements" since the flag state CCM has yet to advise that it has excluded these catches from their data (and thereby avoid double-counting).
3. Purse-seine days for Indonesia have been arbitrarily assigned 500 days for high seas according to Appendix A in the SC4 Statistics SWG Working paper WP-4 (Data relating to purse-seine effort on the high seas and in the zones of non-PNA member CCMs)
4. The measures that the Philippines will take are in Attachment C of CMM 2013-01 for years from 2014 onwards. Attachment C para 10 describes two limits: 1) total number of catcher vessels fishing in HSP-SMA is limited to 36, and 2) an effort limit in vessel days of 4,659 days (ref Table 2(b) WCPFC9-2012-IP09\_rev3)
5. The Total International waters effort prior to 2013 does not include estimates of effort for the Philippines domestic fleet at this stage. Philippines effort in the high seas pocket 1 during 2013 was 1,352 sets with an estimated 1 set per three days to produce an estimate of 4,056 days effort. Philippines effort in the high seas pocket 1 during 2014 was listed as 2,667 days according to the Philippines Annual Report Part 1 produced for SC11.
6. Since 2011, some components of the tropical purse seine fleet have changed criteria for reporting days with searching (included as a fishing day) and transiting (not included as a fishing day) and this is reflected in the decline in fishing days since 2011.
7. The days presented in Table 2 exclude effort in the overlap area because it takes into account the WCPFC9 decision on the application of measures in the part of the WCPF Convention Area that overlaps with the IATTC Convention Area (WCPFC9 Summary Report paragraph 80). European Union is a WCPFC member who is also an IATTC member, notified WCPFC in April 2013, of their choice of IATTC measures in the overlap area. Given that Ecuador and El Salvador are members of IATTC, the rules of the RFMO of which it is a member apply in the overlap area between WCPFC and IATTC, even if the CCM is a cooperating non-member of the other RFMO. Total days in Table 2 do not therefore reconcile with total high seas days in Table 1.
8. "CMM 2014-01 limits" are taken from CMM 2014-01 (or its replacement) - Attachment D and apply from 2015 onwards.
9. Subject to CNM on participatory rights, in accordance with paragraph 6 of CMM 2014-01 for years from 2015 onwards
10. The basis of the CMM 2014-01 high seas days limit for New Zealand was the average of 2006-2008 effort with an agreed reduction in line with CMM 2013-01 and its predecessor CMMs.
11. The 2015 annual catch estimates and scientific data provided by China and Kiribati did not reflect their charter arrangement and so at this stage, the charter arrangement is not reflected in the estimates presented in this table.

**Table 3. Estimated FAD sets undertaken in the tropical purse seine fishery of the WCPFC Convention Area (20°N-20°S), by flag, 2001-2015.**

															CMM 2014-01 (Att. A) FAD set limits		
2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	COLUMN A	COLUMN B	CCM
15	139	160	512	861	923	826	1,199	1,672	688	2,013	1,127	1,398	1,480	1,002		738	CHINA
0	0	0	0	0	0	75	367	139	196	440	435	275	336	131		104	ECUADOR
11	26	1	0	0	0	53	152	163	136	186	211	297	306	104		52	EL SALVADOR
77	32	59	82	47	125	238	411	330	359	488	459	515	430	327		149	EUROPEAN UNION
324	387	489	789	497	282	338	479	737	432	781	820	537	601	615	604	528	FSM
?	?	?	?	?	?	?	?	?	?	?	?	?	?	?			INDONESIA
2,320	2,021	2,266	3,162	2,379	2,617	2,437	2,607	2,403	833	1,320	1,619	1,038	1,027	665	2,139	1,867	JAPAN
72	62	63	97	104	66	61	78	267	243	552	488	677	815	950	493	439	KIRIBATI
392	578	876	1,064	934	741	891	464	617	635	1,287	1,481	1,133	1,326	1,102		900	MARSHALL ISLANDS
136	399	439	574	196	488	418	439	387	192	189	151	107	141	36		160	NEW ZEALAND
800	1,299	1,081	2,710	2,067	2,080	1,645	1,378	1,666	983	1,259	1,814	1,271	1,723	1,282		1,972	PAPUA NEW GUINEA
901	1,034	1,240	1,197	1,131	848	246	536	552	375	401	622	487	393	368		403	PHILIPPINES (distant-water)
?	?	?	?	?	?	?	?	?	?	?	?	?	?	?			PHILIPPINES (domestic)
551	1,221	711	2,518	889	2,300	1,867	1,958	2,126	1,114	2,118	1,435	1,166	1,084	1,528	2,286	1,996	REPUBLIC OF KOREA
150	118	100	88	109	252	130	86	173	80	147	191	134	99	107		145	SOLOMON ISLANDS
1,617	2,621	1,853	3,221	2,738	3,051	2,814	2,284	2,689	1,657	2,925	2,880	2,552	2,626	1,752		2,109	CHINESE TAIPEI
0	0	0	0	0	0	0	0	22	39	58	92	78	48	36		113	TUVALU
2,022	1,772	1,561	2,066	1,317	1,543	1,393	2,757	3,777	2,374	3,360	3,428	3,136	3,510	2,125		2,202	USA
36	143	182	655	528	467	626	172	242	170	386	261	262	229	122		306	VANUATU
9,424	11,852	11,081	18,735	13,797	15,783	14,058	15,367	17,962	10,506	17,910	17,514	15,063	16,174	12,252		14,183	

**Notes**

1. Source: Raised logsheet data.
2. Covers Drifting FAD, Log and Anchored FAD sets
3. Excludes archipelagic waters. Fleets from Indonesia, Kiribati, Papua New Guinea, Philippines (distant-water), Philippines (domestic) and Solomon Islands in this list are normally the only fleets active in archipelagic waters.
4. Includes high seas
5. Excludes Vietnam domestic fleet
6. Complete information from Indonesia and Philippines domestic fisheries are not available.
7. CMM 2014-01 – Paras. 14 and 17, and ATTACHMENT A, provides information on the 2015 FAD set limits.
8. CMM 2013-01, Para 16 (ii) annual limit of FAD sets for 2015 (as set out in Column 'A' of Attachment A of CMM 2014-01) applies to FSM, Japan, Kiribati and Korea
9. The count of annual FAD sets does not take into account CMM 2014-01 footnote 3 notifications (vessels that are managed outside of the FAD set limit)
10. The 2015 annual catch estimates and scientific data provided by China and Kiribati did not reflect their charter arrangement and so at this stage, the charter arrangement is not reflected in the estimates presented in this table.

**Table 4. Reported longline catches (metric tonnes) of bigeye tuna in the WCPFC-CA, by flag.**

CCM	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	CMM 2014-01 limits for 2015	See Notes
AMERICAN SAMOA	75	196	242	227	134	181	218	132	249	487	1,263	1,502	389	318	515		(4)
AUSTRALIA	1,307	1,002	1,024	892	791	499	1,008	1,027	726	458	379	482	425	440	719		(7)
BELIZE	1,322	812	782	297	425	254	158	89	43	89	102	132	217	217	0		(8)
CHINA	2,227	2,312	8,965	11,748	7,520	13,378	10,535	10,798	15,289	13,924	11,139	11,324	10,671	9,370	8,210	8,224	(10), (11)
COOK ISLANDS	1	56	204	394	220	166	238	292	217	319	925	1,624	208	184	151		(4)
EU-PORTUGAL	0	0	0	0	0	0	0	0	0	0	3	17	106	71	17		
EU-SPAIN	0	0	0	42	17	62	62	77	46	15	10	23	23	65	53		(7)
FSM	651	759	656	542	182	172	1,395	970	1,395	899	1,500	1,700	1,270	1,388	1,473		(4)
FIJI	662	853	889	1,254	721	771	556	671	768	539	1,718	1,588	1,018	1,698	1,184		(4)
FRENCH POLYNESIA	745	649	439	502	606	498	478	490	587	436	607	654	787	741	800		(4)
GUAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	831		
INDONESIA	942	1,470	2,168	2,192	2,202	3,011	1,993	3,579	4,000	1,221	1,699	3,681	2,860	3,673	3,701	5,889	(12)
JAPAN	27,466	29,574	26,110	29,248	23,021	25,685	26,076	19,593	16,897	15,983	16,885	15,533	11,948	14,566	12,327	18,265	
KIRIBATI	0	0	1	0	0	0	0	44	0	3	155	800	582	268	556		(4)
MARSHALL ISLANDS	0	0	0	1	0	0	3	375	381	257	259	335	80	0	0		(4)
NAURU	6	3	10	0	0	0	0	0	0	0	0	0	0	0	0		(4)
NEW CALEDONIA	128	189	142	90	76	35	53	63	51	44	41	49	51	58	63		(4)
NEW ZEALAND	481	201	204	177	175	177	213	133	253	132	174	154	109	122	122		(7)
NIUE	0	0	0	0	10	22	35	51	10	4	0	0	0	0	0		(4)
NORTHERN MARIANAS	0	0	0	0	0	0	0	0	0	0	0	0	492	1,000	1,000		(4)
PALAU	21	1	1	7	0	0	0	0	0	0	0	0	0	0	0		(4)
PAPUA NEW GUINEA	240	318	390	399	237	216	111	201	128	39	59	119	32	52	15		(4)
PHILIPPINES	59	59	59	59	59	59	59	59	59	59	777	248	167	63	0		(6), (7)
REPUBLIC OF KOREA	22,172	28,533	17,151	17,941	15,622	12,489	10,054	17,001	15,231	13,914	15,282	18,823	12,818	12,779	7,745	13,942	(11), (13)
SAMOA	185	137	110	104	64	128	101	106	117	108	71	54	36	48	48		(4)
SENEGAL	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0		
SOLOMON ISLANDS	187	401	385	294	3	0	0	0	0	806	213	0	0	3,054	4,390		(4), (11)
TONGA	191	215	94	40	125	117	129	81	38	24	18	10	7	22	25		(4)
TUVALU	0	0	0	0	0	0	0	0	0	0	105	1,408	76	76	187		(4)
CHINESE TAIPEI	12,435	16,645	14,429	20,992	15,498	14,295	14,760	15,229	13,319	11,552	11,275	10,994	10,600	10,018	9,434	10,481	(11), (13)
USA	2,418	4,396	3,618	4,181	4,462	4,381	5,381	4,649	3,741	3,577	3,565	3,660	3,612	3,823	3,426	3,504	(15)
VANUATU	17	396	841	2,041	1,750	1,783	2,122	1,080	1,383	2,060	2,060	2,151	1,989	3,419	5,603		(4)
WALLIS AND FUTUNA	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0		(4)
<b>Total</b>	<b>73,938</b>	<b>89,177</b>	<b>78,914</b>	<b>93,664</b>	<b>73,920</b>	<b>78,382</b>	<b>75,740</b>	<b>76,790</b>	<b>74,928</b>	<b>66,949</b>	<b>70,290</b>	<b>77,065</b>	<b>60,573</b>	<b>67,533</b>	<b>62,595</b>	<b>60,305</b>	
VIETNAM	1,450	614	2,129	2,781	3,527	3,538	3,648	3,358	2,992	2,441	3,424	3,761	2,260	2,350	2,026		(9)



**Notes:**

1. Source: WCFPC Annual catch estimates as at 28th August 2016.
2. Catch estimates in red have been carried over from previous years.
3. Indonesia and Philippines have recently revised their estimates in recent years. (see the respective Annual Catch Estimate Workshop reports at (<http://www.wcpfc.int/west-pacific-east-asia-oceanic-fisheries-management-project>))
4. The limits in the column labelled "CMM 2014-01 limits for 2015" do not apply to small island developing State members and participating Territories according to paragraph 7 of CMM 2014-01.
5. Catches and effort of vessels operating under charters and similar arrangements have been attributed to host island states or territories in accordance with paragraph 5 of CMM 2012-01 and paragraph 5 CMM 2013-01 (or its replacement CMM) using the best information available to SPC-OFP. However, in several cases, catches have not yet been attributed to the CCM responsible for the "charter or similar arrangements" since the flag state CCM has yet to advise that it has excluded these catches from their data (and thereby avoid double-counting).
6. Estimates include archipelagic water catches which for some countries cannot be separated at this stage (e.g. Philippines).
7. The catch limits established at 2,000t prior to 2010, remain at the level of 2,000t for relevant WCPFC members. (according to CMM 2008-01 Para. 32, CMM 2012-01 para 26 and CMM 2013-01 para 41 or its replacement CMM). Note although EU fleets are reported here separately by flag, it is understood that as per the relevant CMM the 2000 Mt limit applies to the combined EU-longline fleet.
8. Subject to CNM on participatory rights, in accordance with paragraph 6 of CMM 2014-01 for years from 2015 onwards
9. The Vietnam longline fleet are understood to fish outside the WCFPC Convention Area (South China Sea).
10. Catches by the Chinese longline fleet in the Kiribati EEZ are included in the estimates.
11. Catches by chartered Chinese, Fijian, Korean and Chinese-Taipei flagged longline vessels licensed to fish in Solomon Islands waters have been attributed to the Solomon Islands for 2010, 2011, 2014 and 2015
12. Indonesia bigeye tuna catch excludes catches in Archipelagic waters.
13. Korea and Chinese Taipei will voluntarily restrict its catch level at 2% less than the catch limits specified here in 2013.
14. "CMM 2014-01 limits for 2015" is according ATTACHMENT F in CMM 2014-01 and refer to catch limits for 2015 only.
15. USA revised limit for 2015 was 3504 t., to take into account the overage in bigeye catch from 2014

Table 5. Reported longline catches (metric tonnes) of yellowfin tuna in the WCPFC-CA, by flag.

CCM	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Av. 2001- 2004	See Notes
AMERICAN SAMOA	188	485	497	888	526	513	640	333	398	473	699	620	422	454	428	515	(4)
AUSTRALIA	2,819	3,531	3,681	2,356	1,499	1,830	1,390	1,650	1,387	1,359	1,858	1,150	1,139	1,551	2,082	3,097	
BELIZE	957	720	943	208	298	106	273	129	121	28	13	30	21	21	0	707	(6)
CHINA	1,919	1,844	3,358	4,048	2,446	4,055	2,768	5,007	7,958	2,576	4,598	6,004	4,638	5,949	6,226	2,792	(9), (10)
COOK ISLANDS	1	42	178	506	413	262	290	247	197	192	394	693	346	504	339	182	(4)
EU-PORTUGAL	0	0	0	0	0	0	0	0	0	0	0	0	2	22	4	0	(13)
EU-SPAIN	0	0	0	23	1	127	127	10	7	3	0	2	2	11	10	6	(13)
FSM	338	164	276	185	99	270	548	328	583	406	750	750	850	971	963	241	(4)
FIJI	2,082	2,027	2,482	4,164	2,591	2,231	1,721	2,763	3,440	2,602	4,051	3,188	2,203	4,343	3,647	2,689	(4)
FRENCH POLYNESIA	967	507	621	1,066	793	690	527	447	716	418	491	758	615	783	1,074	790	(4)
GUAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(4)
INDONESIA	4,001	6,243	9,209	9,313	10,762	9,482	10,371	12,689	18,221	14,041	13,750	11,656	8,271	13,060	18,509	7,192	(12)
JAPAN	18,096	15,810	16,803	15,209	14,792	13,462	13,725	11,820	13,626	16,975	10,942	10,030	7,817	6,102	7,543	16,480	
KIRIBATI	2	0	2	0	0	0	0	7	0	4	140	300	175	108	405	1	(4)
MARSHALL ISLANDS	0	0	0	3	0	0	2	91	120	117	99	113	47	0	0	1	(4)
NAURU	5	2	6	1	0	0	0	0	0	0	0	0	0	0	0	4	(4)
NEW CALEDONIA	570	572	754	631	448	414	393	424	487	505	585	573	531	741	852	632	(4)
NEW ZEALAND	131	27	39	36	36	3	25	11	3	6	3	1	1	2	2	58	
NIUE	0	0	0	0	34	42	43	40	20	8	0	0	0	0	0	0	(4)
NORTHERN MARIANAS	0	0	0	0	0	0	0	0	0	0	0	0	92	92	0	0	(4)
PALAU	41	3	19	28	0	0	0	0	0	0	0	0	0	0	0	23	(4)
PAPUA NEW GUINEA	1,812	1,738	1,747	2,318	1,222	2,139	1,539	2,259	2,714	2,147	2,303	2,961	1,041	1,568	891	1,904	(4)
PHILIPPINES	484	484	484	484	484	484	484	484	484	484	146	61	27	153	0	484	(5)
REPUBLIC OF KOREA	13,768	15,497	12,134	10,058	13,329	9,529	8,817	7,846	10,032	7,644	7,881	7,832	5,716	8,371	6,069	12,864	(10)
SAMOA	470	369	293	444	199	264	305	317	412	386	395	234	330	231	252	394	(4)
SENEGAL	0	0	0	0	6	3	4	0	0	0	0	0	0	0	0	0	(7)
SOLOMON ISLANDS	159	401	258	440	6	0	0	0	0	5,159	643	0	0	12,536	15,923	315	(4), (10)
TONGA	259	263	263	163	219	227	341	291	109	47	171	140	126	195	297	237	(4)
TUVALU	0	0	0	0	0	0	0	0	0	0	286	453	41	41	166	0	(4)
CHINESE TAIPEI	22,326	21,993	22,149	22,975	19,571	18,654	16,668	16,411	19,693	19,974	21,320	16,958	14,999	12,257	14,118	22,361	(10)
USA	1,016	572	809	694	698	937	833	836	429	462	738	576	546	567	670	773	
VANUATU	49	778	1,315	1,755	1,147	1,346	967	860	801	788	1,269	2,230	1,626	1,695	2,097	974	(4)
WALLIS AND FUTUNA	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	(4)
<b>Total</b>	<b>72,460</b>	<b>74,072</b>	<b>78,320</b>	<b>77,996</b>	<b>71,619</b>	<b>67,070</b>	<b>62,801</b>	<b>65,300</b>	<b>81,958</b>	<b>76,804</b>	<b>73,529</b>	<b>67,313</b>	<b>51,624</b>	<b>72,328</b>	<b>82,567</b>	<b>75,712</b>	
VIETNAM	8,292	9,756	8,179	11,122	10,895	10,930	11,270	10,375	9,244	9,513	10,576	12,456	13,917	11,603	17,859		(8)

**Notes:**

1. Source: WCFPC Annual catch estimates as at 28th August 2016.
2. Catch estimates in **red** have been carried over from previous years.
3. Indonesia and Philippines have recently revised their estimates (see the respective Annual Catch Estimate Workshop reports at (<http://www.wcpfc.int/west-pacific-east-asia-oceanic-fisheries-management-project>))
4. Catches and effort of vessels operating under charters and similar arrangements have been attributed to host island states or territories in accordance with paragraph 5 of CMM 2012-01 and paragraph 5 CMM 2013-01 using the best information available to SPC-OFP. However, in several cases, catches have not yet been attributed to the CCM responsible for the "charter or similar arrangements" since the flag state CCM has yet to advise that it has excluded these catches from their data (and thereby avoid double-counting).
5. Estimates include archipelagic water catches which for some countries cannot be separated at this stage (e.g. Philippines).
6. Subject to CNM on participatory rights, in accordance with paragraph 6 of CMM 2014-01 for years from 2015 onwards
7. Senegal committed to limiting its fishing activities in the WCPF Convention Area to one longline vessel - WCFPC5 Report (Para. 44)
8. The Vietnam longline fleet are understood to fish outside the WCFPC Convention Area (South China Sea).
9. Catches by the Chinese longline fleet in the Kiribati EEZ are included in the estimates.
10. Catches by chartered Chinese, Korean and Chinese-Taipei flagged longline vessels licensed to fish in Solomon Islands waters have been attributed to the Solomon Islands for 2010, 2011 and 2014.
11. Does not yet cover development of new fisheries in the waters of small-island developing states (e.g. Tokelau)
12. Indonesia yellowfin tuna catch excludes catches in Archipelagic waters.
13. Note although EU fleets are reported here separately by flag, it is understood that as per the relevant CMM the 2000 Mt limit applies to the combined EU-longline fleet.

**Table 6. Total Effort of COMMERCIAL FISHERIES, other than Purse seine and Longline, in the WCPFC Statistical Area, based on available aggregate and operational catch/effort data.**

GEAR	FLAG	Average Annual tuna catch (MT)	Total Effort		Area Note	Availability of EFFORT data	See NOTE
			CMM 2014 limit	2015			
GILLNET	VIETNAM	13,520			Within EEZ	NO	
HANDLINE (LARGE-FISH)	INDONESIA	2,521			Within EEZ	NO	7, 8
	PHILIPPINES	2,672			Within EEZ	NO	7
HOOK-AND-LINE (SMALL-FISH)	PHILIPPINES	14,000			Fishery mostly within archipelagic waters	NO	7
POLE-AND-LINE	INDONESIA	33,382			Fishery mostly within archipelagic waters	NO	7, 8
	JAPAN	114,573	21,021	12,790		YES	3, 6
RINGNET	PHILIPPINES	2,473			Fishery mostly within archipelagic waters	NO	7
SEINE	CHINESE TAIPEI	3,654			Within EEZ	NO	5
TROLL	JAPAN	17,179			Primarily Territorial Seas	NO	6
UNCLASSIFIED / UNSPECIFIED	INDONESIA	24,336			Fishery mostly within archipelagic waters	NO	7, 8
	KIRIBATI	2,368			Within EEZ	NO	

**Notes:**

1. Source: Raised logsheet data. 2015 data are provisional.

2. The column labeled "Average Annual tuna catch" is the average total skipjack, yellowfin and bigeye tuna catch for 2001-2004, or 2004. Average catches less than 2,000 t. Have been excluded as per CMM 2014-01 Para. 47.

3. The CMM 2014 limit for total effort was determined from the average level for the period 2001-2004 or 2004 effort level.

4. The definition for "Commercial" fisheries, at this stage, includes all fisheries other than purse seine and longline fisheries, until otherwise advised.

5. Chinese Taipei advised on 29 July 2014 that its SEINE vessels have a historical catch over 2000 Mt of skipjack. The total number of Chinese Taipei seine vessels has been limited to 200 (source of baseline year not specified 2004 or ave 2001-2004 catches), and the number of vessels that actively fished in 2013 was 112. Annual catches of skipjack tuna and vessel numbers were provided for the period 2001-2013 on 30th October 2014. The average catch for 2004 was 2,473 t.

6. Advice from Japan -- "Paragraph 9 of CMM 2012-01 provides that this measure applies to all areas of high seas and EEZs in the Convention Area. Therefore this paragraph does not apply to troll fishery, which operate within territorial sea.

- Regarding pole-and-line fishery and purse seine north of 20N fishery JFA ensure that the total effort and capacity of these tuna fisheries shall not exceed the average level for the period 2001-2004 or 2004 under its licensing system.

- Therefore JFA consider fulfilling this requirement.

- JFA submits following information of pole-and-line fishery and purse seine north of 20N fishery as attached. On the other hand JFA does not agree with the Secretariat view to consider non provision of these data as a potential compliance issue because it is not required under this paragraph.

Effort data (2001-2004 average, 2004 and 2013)

Catch data (2001-2004 average, 2004 and 2013)"

7. This table represents catch/effort that excludes activities in archipelagic waters.

8. Indonesia has advised that only few vessels in this fishery are "Commercial". The catch shown here includes all vessels.

**Table 7. Purse seine tuna catch and effort by set type and species in the WCPFC Convention Area between 20°N and 20°S, excluding domestic purse seine catch/effort in Philippines, Indonesia and Vietnam.**

FLEET	YEAR	VESSELS		DAYS	UNASSOCIATED SCHOOLS										ASSOCIATED SCHOOLS										TOTAL				
		YB	LOG		SKIPJACK			YELLOWFIN		BIGEYE		TOTAL	SKIPJACK			YELLOWFIN		BIGEYE		TOTAL	SETS	SKJ	YFT	BET	TOTAL				
					SETS	MT	%	MT	%	MT	%	MT	SETS	MT	%	MT	%	MT	%	MT									
CN	2010	12	10	2,784	2,095	21,486	74%	7,280	25%	260	1%	29,026	692	17,264	70%	5,338	22%	1,933	8%	24,535	2,788	38,861	12,652	2,202	53,715				
CN	2011	12	10	4,019	1,396	11,320	74%	3,885	25%	112	1%	15,317	2,023	46,272	74%	11,762	19%	4,188	7%	62,223	3,419	57,593	15,647	4,300	77,540				
CN	2012	13	12	2,205	706	9,895	71%	3,864	28%	143	1%	13,902	1,143	26,339	75%	6,573	19%	2,333	7%	35,246	1,849	36,234	10,437	2,476	49,148				
CN	2013	14	12	3,604	2,338	26,450	86%	3,954	13%	241	1%	30,644	1,417	37,357	73%	10,081	20%	3,423	7%	50,861	3,756	64,035	14,111	3,682	81,828				
CN	2014	19	18	3,120	1,416	17,184	83%	3,274	16%	188	1%	20,646	1,470	45,658	78%	9,473	16%	3,388	6%	58,520	2,886	62,842	12,747	3,577	79,166				
CN	2015	20	17	2,512	1,142	15,334	76%	4,612	23%	326	2%	20,272	1,002	29,969	79%	5,840	15%	2,248	6%	38,057	2,144	45,303	10,452	2,573	58,329				
EC	2010	14	6	284	21	128	73%	44	25%	3	2%	175	200	5,705	60%	2,050	22%	1,789	19%	9,544	221	5,833	2,094	1,792	9,719				
EC	2011	8	7	556	42	230	26%	639	73%	2	0%	871	448	18,714	66%	4,450	16%	5,175	18%	28,339	490	18,944	5,089	5,177	29,210				
EC	2012	8	7	595	9	30	88%	5	15%	0	0%	34	451	15,839	69%	3,335	14%	3,936	17%	23,111	460	15,869	3,340	3,936	23,145				
EC	2013	7	7	466	70	2,034	89%	211	9%	35	2%	2,280	284	13,816	72%	2,237	12%	3,109	16%	19,162	355	15,849	2,448	3,145	21,442				
EC	2014	7	7	476	53	1,039	87%	152	13%	7	1%	1,197	354	15,519	75%	2,029	10%	3,049	15%	20,597	407	16,557	2,181	3,056	21,794				
EC	2015	7	4	147	1	0		0		0	0	0	129	9,385	83%	899	8%	1,094	10%	11,378	131	9,385	899	1,094	11,378				
ES	2010	4	4	720	26	704	86%	110	13%	5	1%	820	364	19,859	69%	4,661	16%	4,128	14%	28,648	390	20,563	4,772	4,134	29,468				
ES	2011	4	4	753	30	418	31%	909	68%	7	1%	1,334	488	26,663	70%	5,364	14%	6,090	16%	38,117	518	27,081	6,273	6,097	39,451				
ES	2012	4	4	787	57	1,858	67%	882	32%	28	1%	2,767	461	19,324	66%	4,753	16%	5,327	18%	29,404	517	21,182	5,635	5,354	32,171				
ES	2013	4	4	837	56	2,552	84%	467	15%	7	0%	3,026	515	28,901	67%	6,948	16%	7,292	17%	43,141	571	31,453	7,415	7,299	46,167				
ES	2014	4	4	753	89	3,146	75%	1,063	25%	4	0%	4,213	431	27,151	75%	3,630	10%	5,467	15%	36,247	520	30,297	4,693	5,471	40,460				
ES	2015	4	4	534	28	1,281	94%	86	6%	1	0%	1,368	326	27,597	87%	2,432	8%	1,811	6%	31,840	355	28,878	2,518	1,812	33,208				
FM	2010	7	8	1,353	635	8,691	79%	2,216	20%	93	1%	11,000	433	10,884	74%	2,837	19%	1,039	7%	14,760	1,068	19,575	5,053	1,132	25,760				
FM	2011	7	7	1,625	472	5,649	76%	1,781	24%	50	1%	7,480	795	13,545	71%	4,342	23%	1,126	6%	19,013	1,269	19,201	6,126	1,177	26,504				
FM	2012	9	9	1,574	464	6,322	75%	2,040	24%	69	1%	8,431	827	21,754	79%	4,119	15%	1,664	6%	27,537	1,302	28,298	6,192	1,744	36,234				
FM	2013	10	10	1,384	450	9,005	86%	1,322	13%	94	1%	10,420	539	13,132	75%	3,115	18%	1,216	7%	17,464	989	22,137	4,437	1,310	27,884				
FM	2014	10	10	1,404	598	12,862	84%	2,179	14%	243	2%	15,284	616	17,234	76%	4,182	18%	1,374	6%	22,790	1,214	30,095	6,362	1,617	38,075				
FM	2015	12	13	1,832	1,173	25,019	83%	4,716	16%	354	1%	30,089	625	18,587	81%	3,250	14%	1,237	5%	23,073	1,798	43,606	7,966	1,591	53,163				
JP	2010	37	37	5,695	5,633	133,118	80%	32,165	19%	715	0%	165,998	833	29,711	84%	4,278	12%	1,569	4%	35,558	6,566	164,717	37,114	2,350	204,180				
JP	2011	40	38	6,524	5,956	93,758	79%	24,453	21%	282	0%	118,493	1,320	43,155	86%	5,299	11%	1,770	4%	50,225	7,306	137,437	29,854	2,056	169,347				
JP	2012	41	38	5,448	4,867	103,724	86%	16,745	14%	605	1%	121,074	1,619	63,573	89%	5,989	8%	2,235	3%	71,797	6,514	167,519	22,849	2,853	193,220				
JP	2013	41	35	5,501	4,759	107,456	88%	13,747	11%	647	1%	121,850	1,038	46,466	87%	5,250	10%	1,633	3%	53,349	5,834	154,513	19,267	2,306	176,086				
JP	2014	40	35	4,898	4,275	92,260	78%	24,237	21%	1,340	1%	117,838	1,027	41,245	85%	5,796	12%	1,697	4%	48,738	5,342	134,663	30,396	3,114	168,173				
JP	2015	40	34	4,199	3,385	89,285	76%	26,259	22%	1,653	1%	117,196	665	21,323	75%	5,366	19%	1,775	6%	28,463	4,175	114,174	32,943	3,614	150,731				
KI	2010	5	4	693	465	7,451	79%	1,870	20%	75	1%	9,396	245	11,309	72%	2,430	16%	1,950	12%	15,689	741	19,215	4,438	2,091	25,745				
KI	2011	7	7	1,429	790	9,390	71%	3,769	29%	74	1%	13,233	554	24,936	75%	4,602	14%	3,652	11%	33,190	1,351	34,385	8,389	3,740	46,514				
KI	2012	9	9	1,852	1,583	29,407	78%	8,194	22%	309	1%	37,910	509	19,662	81%	2,942	12%	1,694	7%	24,297	2,100	49,253	11,169	2,009	62,432				
KI	2013	12	12	2,035	1,419	26,428	80%	6,278	19%	280	1%	32,987	676	29,074	74%	6,614	17%	3,566	9%	39,254	2,096	55,502	12,892	3,847	72,241				
KI	2014	14	15	2,791	2,172	45,737	78%	12,631	22%	267	1%	58,635	828	40,894	81%	5,618	11%	4,027	8%	50,539	3,001	86,631	18,249	4,294	109,174				
KI	2015	21	13	2,672	2,642	68,894	86%	10,330	13%	475	1%	79,699	846	49,316	87%	5,340	9%	2,342	4%	56,998	3,488	118,210	15,671	2,817	136,697				
KR	2010	29	28	7,294	6,312	146,263	71%	57,186	28%	2,266	1%	205,715	1,134	55,978	78%	10,943	15%	4,585	6%	71,506	7,456	202,304	68,150	6,857	277,311				
KR	2011	28	28	6,560	4,496	79,644	73%	29,132	27%	635	1%	109,412	2,129	73,788	75%	17,009	17%	7,299	7%	98,096	6,632	153,577	46,184	7,942	207,703				
KR	2012	28	28	5,894	6,161	143,626	77%	41,505	22%	1,597	1%	186,728	1,423	62,161	82%	9,572	13%	3,729	5%	75,462	7,584	205,787	51,078	5,326	262,191				
KR	2013	27	29	5,979	6,054	130,877	81%	29,943	18%	1,770	1%	162,590	1,180	48,874	78%	10,468	17%	3,701	6%	63,043	7,235	179,751	40,411	5,471	225,633				
KR	2014	28	29	5,403	5,784	163,697	82%	34,939	18%	1,120	1%	199,755	1,093	58,274	83%	8,184	12%	3,834	6%	70,292	6,877	221,971	43,123	4,954	270,048				
KR	2015	25	26	4,689	4,523	131,278	83%	25,087	16%	1,262	1%	157,627	1,556	96,670	87%	10,142	9%	3,809	3%	110,621	6,079	227,948	35,229	5,071	268,248				

Table 7. (continued)

FLEET	YEAR	VESSELS		DAYS	UNASSOCIATED SCHOOLS										ASSOCIATED SCHOOLS										TOTAL				
		YB	LOG		SKIPJACK			YELLOWFIN			BIGEYE		TOTAL	SKIPJACK			YELLOWFIN			BIGEYE		TOTAL	SETS	MT	MT	BET	TOTAL		
					SETS	MT	%	MT	%	MT	%	MT	SETS	MT	%	MT	%	MT	%	MT	SETS	MT	MT	MT	MT				
MH	2010	10	10	1,684	1,237	19,328	77%	5,384	22%	262	1%	24,974	642	25,050	74%	5,470	16%	3,262	10%	33,782	1,896	44,771	10,983	3,543	59,297				
MH	2011	10	10	2,102	456	6,670	84%	1,258	16%	41	1%	7,970	1,293	50,009	74%	10,751	16%	6,489	10%	67,250	1,749	56,679	12,010	6,530	75,220				
MH	2012	10	10	2,125	799	11,974	69%	5,389	31%	122	1%	17,484	1,490	48,518	79%	8,155	13%	4,424	7%	61,096	2,289	60,491	13,544	4,545	78,580				
MH	2013	10	10	2,072	1,045	17,254	89%	2,134	11%	90	1%	19,478	1,137	41,794	75%	9,989	18%	4,319	8%	56,102	2,184	59,088	12,141	4,412	75,641				
MH	2014	12	10	2,336	1,242	21,018	88%	2,655	11%	140	1%	23,813	1,332	47,279	79%	8,694	15%	3,575	6%	59,548	2,573	68,297	11,349	3,714	83,361				
MH	2015	12	10	2,170	1,610	33,515	95%	1,638	5%	65	0%	35,217	1,117	44,890	84%	5,746	11%	2,577	5%	53,213	2,728	78,405	7,384	2,642	88,431				
NZ	2010	4	4	573	386	8,699	97%	237	3%	7	0%	8,943	193	7,837	82%	1,337	14%	421	4%	9,594	580	16,536	1,574	427	18,537				
NZ	2011	4	4	460	167	3,579	89%	454	11%	5	0%	6,038	192	5,695	77%	1,140	16%	530	7%	7,364	359	9,273	1,594	535	11,402				
NZ	2012	4	4	447	282	5,134	85%	870	14%	41	1%	4,045	149	3,082	80%	582	15%	186	5%	3,850	431	8,216	1,452	227	9,895				
NZ	2013	4	4	316	173	4,797	91%	468	9%	13	0%	5,278	133	5,050	80%	862	14%	413	7%	6,325	306	9,846	1,331	426	11,602				
NZ	2014	4	4	299	171	3,721	88%	486	12%	19	0%	4,226	159	4,749	86%	530	10%	260	5%	5,539	330	8,470	1,016	278	9,765				
NZ	2015	2	2	158	180	3,966	89%	419	9%	86	2%	4,471	36	1,845	88%	182	9%	63	3%	2,090	216	5,811	601	149	6,561				
PG	2010	45	48	8,914	5,390	89,229	74%	30,914	26%	1,283	1%	121,426	2,685	58,708	70%	20,177	24%	4,724	6%	83,609	8,079	148,054	51,116	6,014	205,184				
PG	2011	49	49	9,009	4,596	62,510	77%	17,912	22%	405	1%	80,827	3,266	61,751	73%	19,317	23%	4,120	5%	85,188	7,875	124,540	37,316	4,545	166,400				
PG	2012	51	50	9,786	6,317	95,383	69%	40,532	30%	1,526	1%	137,440	3,202	69,639	71%	22,981	24%	5,380	6%	98,000	9,562	165,523	63,690	6,951	236,164				
PG	2013	51	50	8,958	6,035	88,671	72%	32,567	27%	1,623	1%	122,861	2,454	48,741	67%	19,250	27%	4,397	6%	72,389	8,504	137,598	51,918	6,041	195,556				
PG	2014	55	49	9,621	6,315	105,229	74%	35,078	25%	1,833	1%	142,140	2,397	68,281	74%	18,046	20%	5,794	6%	92,122	8,734	173,891	53,318	7,671	234,880				
PG	2015	51	49	7,074	5,966	104,215	74%	34,882	25%	2,224	2%	141,321	1,746	53,801	74%	14,787	20%	4,588	6%	73,176	7,717	158,028	49,671	6,813	214,512				
PH	2010	25	24	4,483	2,341	30,697	63%	17,021	35%	710	2%	48,428	775	16,664	65%	7,186	28%	1,638	6%	25,487	3,223	48,398	24,764	2,435	75,596				
PH	2011	25	23	5,701	3,219	41,826	72%	16,315	28%	291	1%	58,432	1,274	21,629	68%	9,175	29%	1,045	3%	31,848	4,591	64,294	25,821	1,371	91,486				
PH	2012	21	28	6,276	4,330	51,529	63%	29,419	36%	1,351	2%	82,298	1,650	29,769	67%	12,903	29%	2,043	5%	44,715	6,031	81,919	42,474	3,425	127,818				
PH	2013	27	27	4,808	3,175	35,397	55%	27,436	43%	1,195	2%	64,028	1,363	22,255	58%	13,866	36%	2,222	6%	38,343	4,584	58,294	41,723	3,471	103,488				
PH	2014	27	29	4,940	3,771	58,117	64%	31,758	35%	1,486	2%	91,361	1,112	19,205	62%	9,748	32%	1,928	6%	30,880	4,904	77,530	41,638	3,440	122,607				
PH	2015	23	21	2,791	1,886	24,849	57%	17,647	41%	1,070	3%	43,566	874	17,715	56%	11,812	37%	2,167	7%	31,694	2,759	42,564	29,459	3,237	75,260				
SB	2010	5	5	485	95	2,080	60%	1,378	40%	22	1%	3,480	353	6,645	68%	2,793	29%	299	3%	9,737	448	8,725	4,171	321	13,217				
SB	2011	5	5	1,006	119	2,275	80%	550	19%	11	0%	2,836	742	14,185	62%	7,534	33%	1,006	4%	22,725	861	16,460	8,084	1,018	25,562				
SB	2012	5	5	1,094	98	1,581	75%	515	25%	0	0%	2,096	833	15,672	64%	8,129	33%	603	3%	24,404	931	17,253	8,644	603	26,500				
SB	2013	5	5	1,093	213	2,950	65%	1,516	34%	44	1%	4,510	664	12,697	63%	6,878	34%	683	3%	20,259	876	15,647	8,395	727	24,769				
SB	2014	5	5	1,212	269	3,637	46%	4,222	54%	9	0%	7,868	787	11,874	53%	10,090	45%	591	3%	22,556	1,056	15,512	14,313	600	30,425				
SB	2015	5	6	1,343	389	5,375	57%	3,955	42%	52	1%	9,382	788	10,949	56%	8,324	43%	137	1%	19,410	1,176	16,324	12,279	189	28,792				
SV	2010	2	2	210	3	13	46%	0	0%	15	54%	28	136	4,792	65%	1,397	19%	1,154	16%	7,344	139	4,805	1,397	1,169	7,372				
SV	2011	2	2	268	3	18	21%	67	79%	0	0%	85	185	8,597	71%	1,674	14%	1,871	15%	12,141	188	8,615	1,741	1,871	12,226				
SV	2012	2	2	300	4	15	100%	0	0%	0	0%	15	213	8,769	64%	2,539	19%	2,324	17%	13,632	217	8,784	2,539	2,324	13,647				
SV	2013	4	4	404	13	330	80%	80	19%	2	1%	412	296	11,320	67%	2,923	17%	2,562	15%	16,805	309	11,650	3,003	2,564	17,217				
SV	2014	4	4	485	92	1,974	98%	44	2%	1	0%	2,019	303	11,356	73%	2,194	14%	1,912	12%	15,461	394	13,330	2,238	1,912	17,480				
SV	2015	2	2	125	2	0	0	0	0	0	0	0	105	7,604	85%	863	10%	470	5%	8,937	107	7,604	863	470	8,937				
TV	2010	1	1	263	307	6,870	77%	1,972	22%	50	1%	8,892	40	1,231	73%	324	19%	133	8%	1,688	347	8,101	2,296	183	10,580				
TV	2011	1	1	311	283	4,335	81%	991	19%	24	0%	5,351	58	1,599	77%	290	14%	178	9%	2,066	341	5,934	1,281	202	7,417				
TV	2012	1	1	273	303	3,284	60%	2,147	39%	41	1%	5,472	93	4,551	82%	712	13%	319	6%	5,582	395	7,835	2,859	359	11,054				
TV	2013	1	1	273	354	6,817	88%	851	11%	54	1%	7,723	79	2,849	77%	641	17%	204	6%	3,693	433	9,666	1,492	258	11,416				
TV	2014	1	1	157	145	3,224	87%	459	12%	30	1%	3,713	48	1,802	81%	288	13%	140	6%	2,230	193	5,026	747	170	5,943				
TV	2015	1	1	186	174	3,597	98%	89	2%	4	0%	3,690	36	1,541	87%	175	10%	64	4%	1,780	210	5,138	265	68	5,470				

Table 7. (continued)

FLEET	YEAR	VESSELS		DAYS	UNASSOCIATED SCHOOLS										ASSOCIATED SCHOOLS										TOTAL				
		YB	LOG		SKIPJACK			YELLOWFIN			BIGEYE		TOTAL	SKIPJACK			YELLOWFIN			BIGEYE		TOTAL	SETS	SKJ	YFT	BET	TOTAL		
					SETS	MT	%	MT	%	MT	%	MT	SETS	MT	%	MT	%	MT	%	MT									
TW	2010	34	30	7,650	6,081	89,574	77%	25,788	22%	1,048	1%	116,411	1,834	61,683	75%	15,349	19%	5,407	7%	82,439	7,915	151,257	41,137	6,456	198,850				
TW	2011	34	31	8,749	4,685	53,409	79%	14,003	21%	392	1%	67,803	2,998	80,680	75%	19,307	18%	8,144	8%	108,130	7,683	134,089	33,310	8,536	175,934				
TW	2012	34	33	7,036	4,505	59,496	71%	23,113	28%	802	1%	83,412	2,989	92,023	79%	17,768	15%	7,451	6%	117,242	7,495	151,520	40,881	8,253	200,654				
TW	2013	34	34	7,484	5,956	85,286	85%	14,179	14%	973	1%	100,438	2,636	82,839	74%	21,441	19%	7,763	7%	112,043	8,592	168,125	35,620	8,735	212,481				
TW	2014	34	35	6,773	5,713	101,655	87%	14,345	12%	1,196	1%	117,196	2,647	94,332	79%	18,369	15%	7,258	6%	119,959	8,361	195,987	32,714	8,455	237,155				
TW	2015	34	33	5,140	4,562	78,537	76%	23,606	23%	1,532	2%	103,674	1,808	72,650	80%	12,821	14%	5,103	6%	90,575	6,370	151,187	36,427	6,635	194,249				
US	2010	37	37	8,186	6,322	110,502	83%	21,724	16%	801	1%	133,027	2,389	87,036	78%	17,972	16%	7,112	6%	112,120	8,720	197,757	39,834	7,934	245,525				
US	2011	37	36	7,981	2,962	46,095	78%	12,637	21%	273	1%	59,005	3,400	111,295	77%	21,434	15%	11,506	8%	144,234	6,361	157,389	34,071	11,778	203,239				
US	2012	39	39	8,773	5,591	97,361	79%	25,159	20%	903	1%	123,424	3,463	109,962	81%	18,641	14%	7,675	6%	136,278	9,056	207,371	43,807	8,582	259,760				
US	2013	40	40	8,334	4,993	93,004	90%	10,561	10%	407	0%	103,972	3,176	114,133	76%	24,186	16%	11,863	8%	150,183	8,172	207,227	34,763	12,281	254,271				
US	2014	40	40	8,613	5,956	114,734	86%	18,206	14%	566	0%	133,506	3,549	135,782	82%	20,111	12%	9,111	6%	165,005	9,508	250,516	38,317	9,678	298,511				
US	2015	39	39	7,372	6,176	116,620	88%	14,968	11%	735	1%	132,323	2,148	102,350	87%	10,890	9%	4,939	4%	118,179	8,324	218,970	25,858	5,674	250,502				
VU	2010	5	5	877	442	10,167	81%	2,290	18%	84	1%	12,541	219	9,371	81%	1,576	14%	632	6%	11,579	661	19,540	3,867	717	24,123				
VU	2011	6	4	1,129	280	5,381	82%	1,128	17%	25	0%	6,535	396	12,853	76%	2,877	17%	1,118	7%	16,847	676	18,234	4,005	1,142	23,382				
VU	2012	6	3	775	474	9,694	65%	5,159	34%	134	1%	14,988	268	9,984	82%	1,431	12%	760	6%	12,174	742	19,678	6,590	894	27,162				
VU	2013	6	4	983	616	11,738	86%	1,825	13%	82	1%	13,645	263	9,950	78%	2,003	16%	759	6%	12,712	879	21,688	3,828	841	26,357				
VU	2014	3	3	685	363	8,811	89%	1,022	10%	73	1%	9,906	230	8,656	80%	1,572	15%	627	6%	10,855	593	17,468	2,594	699	20,761				
VU	2015	3	3	286	105	1,644	96%	73	4%	4	0%	1,721	125	5,555	84%	747	11%	321	5%	6,623	230	7,199	820	324	8,344				

YEAR	VESSELS		DAYS	UNASSOCIATED SCHOOLS										ASSOCIATED SCHOOLS										TOTAL				
	YB	LOG		SKIPJACK			YELLOWFIN			BIGEYE		TOTAL	SKIPJACK			YELLOWFIN			BIGEYE		TOTAL	SETS	SKJ	YFT	BET	TOTAL		
				SETS	MT	%	MT	%	MT	%	MT	SETS	MT	%	MT	%	MT	%	MT									
2010	276	263	52,147	37,791	685,000	76%	207,579	23%	7,699	1%	900,280	13,167	429,727	74%	106,118	18%	41,775	7%	577,619	51,238	1,119,010	315,412	49,757	1,484,179				
2011	279	266	58,182	29,952	426,507	76%	129,883	23%	2,629	0%	559,022	21,561	615,366	74%	146,327	18%	65,307	8%	826,996	51,670	1,043,726	276,794	68,018	1,388,538				
2012	285	282	55,240	36,550	630,313	75%	205,538	24%	7,671	1%	843,520	20,783	620,621	77%	131,124	16%	52,083	6%	803,827	57,474	1,252,733	337,180	59,862	1,649,775				
2013	297	288	54,532	37,719	651,046	81%	147,539	18%	7,557	1%	806,142	17,850	569,248	73%	146,752	19%	59,125	8%	775,128	55,675	1,222,070	295,194	66,816	1,584,079				
2014	307	298	53,965	38,424	758,045	80%	186,750	20%	8,522	1%	953,316	18,383	649,291	78%	128,554	15%	54,032	6%	831,878	56,892	1,409,082	315,993	62,702	1,787,776				
2015	301	277	43,231	33,944	703,409	80%	168,367	19%	9,843	1%	881,616	13,932	571,747	81%	99,616	14%	34,745	5%	706,107	48,008	1,278,734	269,306	44,774	1,592,813				



**Table 7. (continued)**

**Notes:**

1. Estimates are based on aggregate data and raised logsheet data with species composition adjusted using observer sampling with grab sample bias correction. Note that these estimates may differ from the annual catch estimates provided by CCMs.
2. Estimates exclude domestic purse seine catch/effort in Philippines, Indonesia and Vietnam.
3. Two sources of estimates of vessel numbers are provided (i) those provided by CCMs with their annual catch estimates (and therefore appear in the WCPFC Yearbook) and (ii) estimates of vessel numbers from unraised operational data available to SPC.
4. The estimate of Japanese purse seine vessels fishing in the tropical fishery (20°N-20°S) has been determined by only considering vessel numbers in the categories >200 GRT.
5. There are several instances where vessel numbers from unraised logbook data are higher than the vessel numbers provided by the CCM. The reasons for these occurrences include: (i) situations where one vessel became inactive during the calendar year and was replaced by a new vessel – the vessel number from the operational data is based on a count of the total distinct vessels fishing throughout the year; (ii) instances where there are inconsistencies in the charter/flag assignment between the vessel numbers provided by CCMs and the operational logsheet data (e.g. Philippine-flagged vessels chartered to PNG – this will require follow-up and clarification with relevant CCMs).
6. ASSOCIATED covers sets on Drifting FAD, Log and Anchored FAD. Catch/effort for sets on ANIMALS is not shown separately but are included in the TOTAL.
7. Includes Catch and Effort in Archipelagic Waters.
8. Total Associated sets may differ from values provided in Table 3. The reasons for the differences include, (i) sets in archipelagic waters are included in this table but not in Table 3, (ii) the raising process in Table 3 is undertaken at the EEZ/AW level while the raising in this Table is undertaken at the WCPFC Area level; this will be an issue in cases where logbook coverage is not 100%. Future versions of Tables 3 and 7 will be reconciled.

**Fleet Codes**

CN	- China	ES	- EU-Spain	FM	- FSM
JP	- Japan	KI	- Kiribati	KR	- Republic of Korea
MH	- Marshall Islands	NZ	- New Zealand	PG	- PNG
PH	- Philippines (DW)	SB	- Solomon Is.	SV	- El Salvador
TV	- Tuvalu	TW	- Chinese Taipei	US	- USA
VU	- Vanuatu				

**Table 8. Longline effort (100s of hooks) in the tropical WCPFC LONGLINE fishery (20°N-10°S), by fleet, 2010-2015.**

FLEET	LONGLINE EFFORT (100s of Hooks)					
	2010	2011	2012	2013	2014	2015
CK	13,198	17,275	37,394	18,186	11,152	15,145
CN	558,006	741,473	838,710	653,046	554,203	856,023
FJ	27,761	93,769	178,162	144,420	142,623	58,490
FM	87,990	95,249	110,369	91,311	77,480	98,209
JP	588,540	536,346	505,317	433,928	387,274	145,493
KI	0	16,695	47,008	30,194	31,405	35,553
KR	728,899	803,678	771,103	626,874	603,157	349,366
MH	16,828	16,763	20,679	6,570	40	0
PF	0	241	147	240	414	16
PG	24,589	51,692	41,244	15,736	19,504	5,575
SB	66,482	441	323	1,917	422,614	596,532
TV	3,436	31,325	70,015	16,219	16,809	12,152
TW	1,156,084	1,586,461	1,710,738	1,237,662	1,044,167	1,259,556
US	126,133	136,458	153,036	128,697	149,541	180,080
VU	73,080	87,456	121,431	185,127	146,680	272,514

**Notes:**

1. Estimates are based on available aggregate data for the WCPFC Area, 20°N-10°S.
2. Estimates exclude domestic longline effort for Philippines, Indonesia and Vietnam fleets.
3. Excluding vessels targeting South Pacific Albacore is not possible at this stage for a number of reasons – the main reason being the lack of operational data. In the absence of complete operational data (which would include targeting information), the area 20°N-10°S has been selected as the area which best minimises both South and North Pacific albacore targeting.

**Fleet Codes**

CK	- Cook Islands
CN	- China
FJ	- Fiji
FM	- FSM
JP	- Japan
KI	- Kiribati
KR	- Korea
MH	- Marshall Is.
PF	- French Polynesia
PG	- PNG
SB	- Solomon Is.
TV	- Tuvalu
TW	- Chinese Taipei
US	- USA
VU	- Vanuatu

**Table 9. Annual purse seine bigeye tuna catches, by fleet, 2010-2015.**

CCM	2010	2011	2012	2013	2014	2015	55% of average 2010- 2012 BET catch
AUSTRALIA	0	0	0	0	0	0	0
CHINA	2,202	4,300	2,476	3,682	2,684	1,907	1,646
CHINESE TAIPEI	6,456	8,536	8,253	8,735	8,455	6,635	4,262
ECUADOR	1,558	3,198	3,936	3,145	2,414	1,094	1,594
EL SALVADOR	1,169	1,871	1,943	1,977	1,912	380	914
EU-SPAIN	4,134	6,097	5,354	7,116	5,471	1,812	2,857
FSM	986	1,177	1,744	1,136	1,617	1,668	716
INDONESIA	191	336	674	1,366	615	410	220
JAPAN	2,790	2,675	3,493	2,821	4,000	3,978	1,642
KIRIBATI	1,969	3,492	1,974	3,559	4,307	2,853	1,363
MARSHALL ISLANDS	3,396	7,829	4,162	4,528	3,381	2,595	2,821
NEW ZEALAND	395	535	214	419	278	58	210
PAPUA NEW GUINEA	4,440	3,388	5,423	4,249	6,043	5,425	2,429
PHILIPPINES	1,752	562	1,315	1,654	2,219	3,088	665
REPUBLIC OF KOREA	6,857	7,942	5,326	5,471	4,954	5,071	3,690
SOLOMON ISLANDS	82	167	142	176	109	56	72
TUVALU	183	202	359	258	170	57	136
USA	7,934	11,778	8,582	12,290	9,163	5,690	5,187
VANUATU	705	1,142	817	641	691	324	488
VIETNAM	325	688	965	805	1,192	1,925	363

**Notes:**

1. Excludes archipelagic waters. Fleets from Indonesia, Kiribati, Papua New Guinea, Philippines (domestic) and Solomon Islands in this list are normally the only fleets active in archipelagic waters.