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on tropical tunas (CMM 2013-01 and CMM 2014-01)SC12-WCPFC12-01**

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

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According to data last updated – 20th October 2015

Tables last updated on 25th November 2015

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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	CMM 2012-01 limits	CMM 2013-01 limits	Av. 2006-2010	See NOTE(s)
AUSTRALIA	0	1	1	0	0	0	0	1	1	0	0	0	0	0			0	2,9
COOK ISLANDS	46	228	8	6	2	8	3	29	44	19	102	495	198	334			21	2
FIJI	12	5	10	26	36	6	6	23	11	29	26	28	32	0			15	2
FRENCH POLYNESIA	0	2	0	0	0	0	0	0	0	0	0	0	0	0			0	2
INDONESIA	467	432	483	644	750	598	451	285	319	221	490	1,103	2,450	1,391	507		375	4,17
JAPAN	2,339	2,253	2,166	2,203	1,591	1,409	1,650	728	405	384	188	295	449	182		2,240	915	2,9,10 ,15
NEW ZEALAND	233	256	172	459	371	218	245	234	135	218	270	268	290	267			210	2,9
NIUE	0	0	1	0	0	0	0	0	0	0	1	0	0	0			0	2
PHILIPPINES	726	776	1,077	1,120	1,054	1,054	1,197	1,371	975	652	425	350	846	1,153	925		1,050	4,6,8,17
SAMOA	7	11	3	4	3	1	3	7	9	7	39	30	33	14			5	2
TOKELAU	99	395	27	69	128	33	48	137	214	178	869	736	399	597			122	2
TONGA	2	0	0	1	1	0	0	0	0	0	0	0	0	0			0	2
USA	350	480	237	300	132	191	106	62	128	32	44	202	188	236			104	2
VANUATU	2	2	0	23	1	0	0	14	1	0	4	5	1	0			3	2
WALLIS AND FUTUNA	5	3	4	0	4	0	0	6	6	1	3	1	0	1			3	2
PNA EEZs (excl AWS)	24,959	27,267	29,349	30,525	32,395	32,096	31,774	34,650	32,924	43,805	46,927	41,433	43,699	42,316	43,805	43,805	28,025	5,12,14
PNA AWS only	2,410	2,210	3,562	3,096	4,629	3,912	5,692	5,976	6,701	5,825	8,199	8,081	7,984	6,790			2,820	5
PNA EEZs + AWS = TOTAL PNA	27,369	29,477	32,911	33,621	37,024	36,008	37,466	40,626	39,625	49,630	55,126	49,514	51,683	49,106			30,845	5
TOTAL EEZs - excl. PNA AWS	29,242	32,107	33,533	35,380	36,464	35,614	35,483	37,540	35,165	45,545	49,385	44,945	48,585	46,490			32,566	
TOTAL EEZs - excl. PNA AWS and ID/PH	28,049	30,899	31,973	33,616	34,660	33,962	33,835	35,884	33,871	44,672	48,470	43,492	45,289	43,946			31,134	
TOTAL EEZs + PNA AWS	31,652	34,317	37,095	38,476	41,093	39,526	41,175	43,516	41,866	51,370	57,584	53,026	56,569	53,280			35,385	
TOTAL INT. WATERS (20°N-20°S)	7,346	8,213	8,232	10,241	8,758	6,616	8,193	8,588	10,157	1,533	1,519	2,205	6,287	5,671				6,11
TOTAL (EEZs + IW + PNA AWS)	38,998	42,530	45,327	48,717	49,851	46,142	49,368	52,104	52,023	52,903	59,103	55,231	62,856	58,951				
TOTAL minus ID/PH	37,305	40,822	43,267	46,453	47,547	43,990	47,220	49,948	50,229	52,030	58,188	53,778	59,560	56,407				
VIETNAM	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	16

Notes:

1. Source: Raised logsheet data.
2. CMM 2013 -- Para. 23. for years 2014 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 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 2013-01 reference: Para. 22 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 2008-2014 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 2012-01 and CMM 2013-01).
12. CMM 2012-01 -- Para. 12. for 2013 "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 2012-01 -- Para. 13. for 2013 "Other coastal States within the Convention Area with effort in their EEZs exceeding 1,000 days annually over the period 2006-2010 shall limit effort in their EEZs to 2001-2004 average or 2010 levels".
14. CMM 2013-01 -- 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".
15. CMM 2013-01 -- 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".
16. The Vietnam purse seine fleet are understood to fish outside the WCFPC Convention Area (South China Sea).
17. CMM 2013-01 -- Para. 23. for 2014 onwards applies.

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															CMM 2013-01 limits for 2014 (Att. D)	Max. Annual days for 2010-2012	See Notes
Flag	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014			
CHINA	88	125	149	424	505	231	334	260	988	13	7	26	15	9	26	26	
ECUADOR	0	0	0	0	0	0	13	5	5	2	3	8	0	1	**	8	9,11
EL SALVADOR	3	28	0	0	0	0	206	203	78	46	33	29	29	54	**	46	9,11
EUROPEAN UNION	0	8	13	53	31	78	237	278	249	284	313	422	371	366	403	422	9
FSM	239	239	176	384	218	86	168	125	334	6	3	14	7	12			
INDONESIA	500	500	500	500	500	500	500	500	500	0	0	0	0	0	(0)		
JAPAN	1,366	1,269	1,755	1,867	1,837	1,579	1,346	1,067	1,561	6	3	1	12	8	121	6	
KIRIBATI	41	54	40	36	50	52	22	19	201	108	236	164	342	910			
MARSHALL ISLANDS	170	209	441	396	400	154	152	282	167	71	34	2	5	7			
NEW ZEALAND	23	329	342	206	96	287	200	196	206	67	28	88	14	18	160		12
PAPUA NEW GUINEA	416	621	633	1,208	1,300	463	849	713	849	78	22	38	19	42			
PHILIPPINES	13	56	449	464	320	151	26	73	20	2	0	3	4,096	2,667	4,659		5,6
REPUBLIC OF KOREA	1,302	1,285	1,153	1,244	1,069	734	1,391	1,502	1,695	234	65	22	33	188	207	234	
SOLOMON ISLANDS	31	37	0	0	17	15	5	0	0	0	0	0	0	0			
TUVALU	0	0	0	0	0	0	0	0	36	4	5	1	0	1			
CHINESE TAIPEI	1,972	1,860	1,442	1,844	1,229	1,240	1,484	1,329	1,353	96	81	24	72	48	95	96	
USA	969	1,315	858	989	767	527	791	1,546	1,739	394	577	1,263	1,018	1,081	1,270	1,263	
VANUATU	67	166	186	579	378	401	383	215	101	37	30	7	8	3			
TOTAL	7,200	8,101	8,137	10,194	8,717	6,498	8,107	8,313	10,082	1,448	1,440	2,112	6,041	5,415			

PURSE SEINE DAYS FISHED in WCPFC-IATTC OVERLAP AREA																See Notes
Flag	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		
ECUADOR	0	0	0	0	0	0	22	87	37	52	39	76	89	68		9
EL SALVADOR	23	35	3	0	0	0	26	131	24	20	22	4	121	172		9
EUROPEAN UNION	126	78	91	49	41	119	35	29	14	14	17	11	35	18		9
TOTAL	149	113	94	49	41	119	83	247	75	86	78	91	245	258		

Notes:

1. Source: Raised logsheet data.
2. The column labeled "CMM-2008-01" does not take into account paragraphs 6 and 7, and footnote 2 of CMM 2008-01
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 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).
4. 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)
5. 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)
6. 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.
7. During September 2012, USA and Chinese Taipei advised the WCPFC Secretariat of their estimates for 2011, which differ from the values above, and will be reviewed by SPC in due course once 2011 operational data are complete and available. The estimates could also vary due to, inter alia, differences in the respective EEZ coordinates used.
8. 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.
9. 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.
10. "CMM 2013-01 limits" are taken from CMM 2013-01 - Attachment D and apply from 2014 onwards.
11. Subject to CNM on participatory rights, in accordance with paragraph 6 of CMM 2013-01 for years from 2014 onwards
12. The basis of the CMM 2013-01 high seas days limit for New Zealand was the average of 2006-2008 effort with an agreed reduction in line with CMM 2012-01 and its predecessor CMMs.

Table 3. Estimated FAD sets undertaken in the tropical purse seine fishery of the WCPFC Convention Area (20°N-20°S), by flag, 2001-2014.

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	CMM 2012-01 2013 FAD set limit	CMM 2013-01 2014 FAD set limit	CCM	CMM 2013-01 Baseline FAD set limits
15	139	160	512	861	923	826	1,182	1,547	688	2,002	1,131	1,413	1,484		845	CHINA	1,272
0	0	0	0	0	0	75	362	142	187	447	607	275	338		119	ECUADOR	349
11	26	1	0	0	0	53	152	163	136	186	211	297	313		59	EL SALVADOR	185
77	32	59	82	47	125	238	411	330	359	488	459	515	430		170	EUROPEAN UNION	506
325	387	491	789	497	282	338	481	734	431	793	822	537	596	606	604	FSM	679
?	?	?	?	?	?	?	?	?	?	?	?	?	?			INDONESIA	
2,320	2,021	2,266	3,162	2,379	2,617	2,437	2,607	2,403	833	1,320	1,619	1,037	1,031	1,477	2,139	JAPAN	1,256
72	62	63	97	104	66	61	68	245	229	553	519	689	821	301	493	KIRIBATI	421
392	578	877	1,064	934	743	892	461	618	642	1,564	1,364	1,163	1,257		1,028	MARSHALL ISLANDS	1,157
136	399	439	574	196	488	418	440	387	190	188	146	116	143		183	NEW ZEALAND	190
867	1,344	1,081	2,710	2,067	2,091	1,645	1,407	1,871	1,073	1,707	2,212	1,390	1,722		2,215	PAPUA NEW GUINEA	1,723
882	1,008	1,240	1,197	1,131	848	246	536	547	358	185	399	395	389		462	PHILIPPINES (distant-water)	322
?	?	?	?	?	?	?	?	?	?	?	?	?	?			PHILIPPINES (domestic)	
552	1,225	711	2,518	889	2,305	1,864	1,936	2,166	1,117	2,112	1,309	1,156	1,068		2,286	REPUBLIC OF KOREA	1,479
150	118	100	88	109	252	130	86	173	80	147	178	132	102		165	SOLOMON ISLANDS	186
1,618	2,621	1,853	3,221	2,738	3,051	2,814	2,284	2,708	1,829	2,968	3,002	2,612	2,639		2,416	CHINESE TAIPEI	2,612
0	0	0	0	0	0	0	0	29	40	55	85	74	54		127	TUVALU	73
2,022	1,772	1,561	2,066	1,326	1,544	1,393	2,763	3,760	2,384	3,395	3,423	3,138	3,527		2,522	USA	3,061
36	143	182	655	528	467	632	247	385	192	393	249	261	229		349	VANUATU	393
9,475	11,875	11,084	18,735	13,806	15,802	14,062	15,423	18,208	10,768	18,503	17,735	15,200	16,143		16,182		15,864

Notes

1. Source: Raised logsheet data.
2. Covers Drifting FAD, Log and Anchored FAD sets
3. Excludes archipelagic waters. Fleets from Indonesia, 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 2012-01, Para 11 option (ii) annual limit of FAD sets for 2013 (as set out in Attachment A of CMM 2012-01) applies to FSM, Japan and Kiribati
8. CMM 2013-01 – ATTACHMENT A, provides (i) the 2014 FAD set limits and (ii) the Baseline FAD set limits.

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	CMM 2012-01 limits for 2013	CMM 2013-01 limits for 2014	See Notes
AMERICAN SAMOA	75	196	242	227	134	181	218	132	249	487	1,269	1,502	359	327			(4)
AUSTRALIA	1,307	1,002	1,024	892	791	499	1,008	1,027	726	458	379	482	425	440	2,000	2,000	(7)
BELIZE	1,322	812	782	297	425	254	158	89	43	89	102	132	217	217	803		(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	10,673	9,398	(10), (11)
COOK ISLANDS	1	56	204	394	220	166	238	292	217	319	925	1,624	208	194			(4)
EU-PORTUGAL	0	0	0	0	0	0	0	0	0	0	3	17	106	71			
EU-SPAIN	0	0	0	42	17	62	62	77	46	15	10	23	23	65	2,000	2,000	(7)
FSM	651	759	656	542	182	172	1,395	970	1,395	899	1,500	1,700	1,270	1,388			(4)
FIJI	662	853	889	1,254	721	771	556	671	768	539	1,718	1,588	1,018	1,698			(4)
FRENCH POLYNESIA	745	649	439	502	606	498	478	490	587	436	607	654	787	741			(4)
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	5,889	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	11,903	14,555	19,670	19,670	
KIRIBATI	0	0	1	0	0	0	0	44	0	3	155	800	582	268			(4)
MARSHALL ISLANDS	0	0	0	1	0	0	3	375	381	257	259	335	80	0			(4)
NAURU	6	3	10	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			(4)
NEW ZEALAND	481	201	204	177	175	177	213	133	253	132	174	154	109	122	2,000	2,000	(7)
NIUE	0	0	0	0	10	22	35	51	10	4	0	0	0	0			(4)
NORTHERN MARIANAS	0	0	0	0	0	0	0	0	0	0	0	0	501	1,000			(4)
PALAU	21	1	1	7	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			(4)
PHILIPPINES	59	59	59	59	59	59	59	59	59	59	777	248	167	63	2,000	2,000	(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	15,014	15,014	(11), (13)
SAMOA	185	137	110	104	64	128	101	106	117	108	71	54	36	48			(4)
SENEGAL	0	0	0	0	0	3	2	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), (11)
TONGA	191	215	94	40	125	117	129	81	38	24	18	10	7	22			(4)
TUVALU	0	0	0	0	0	0	0	0	0	0	105	1,408	76	76			(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	11,288	11,288	(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	3,815	3,763	3,763	
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			(4)
WALLIS AND FUTUNA	0	0	0	0	0	0	0	0	0	0	6	0	0	0			(4)
Total	73,938	89,177	78,914	93,664	73,920	78,382	75,740	76,790	74,928	66,949	70,296	77,065	60,507	67,533	75,100	73,022	
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	2,260			(9)

Notes:

1. Source: WCPFC Annual catch estimates as at 20th October 2015.
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 2012-01 limits for 2013” and “CMM 2013-01 limits for 2014” do not apply to small island developing State members and participating Territories according to paragraph 7 of CMM 2012-01 and paragraph 7 of CMM 2013-01.
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 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). 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 2013-01 for years from 2014 onwards
9. The Vietnam longline fleet are understood to fish outside the WCPFC 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, 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.
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 2012-01 limits for 2013" is according ATTACHMENT F in CMM 2012-01 and refer to catch limits for 2013 only.
15. "CMM 2013-01 limits for 2014" is according ATTACHMENT F in CMM 2013-01 and refer to catch limits for 2014 only.
16. Does not yet cover development of new fisheries in the waters of small-island developing states (e.g. Tokelau)

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	2014 (excl. SIDs)	CMM 2012-01 limits	Av. 2001- 2004	See Notes
AMERICAN SAMOA	188	485	497	888	526	513	640	333	398	473	701	620	412	457			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	1,551	3,097	3,097	
BELIZE	957	720	943	208	298	106	273	129	121	28	13	30	21	21	21	2,000	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	5,949	2,792	2,792	(9), (10)
COOK ISLANDS	1	42	178	506	413	262	290	247	197	192	394	693	346	553			182	(4)
EU-PORTUGAL	0	0	0	0	0	0	0	0	0	0	0	0	2	22	22		0	(13)
EU-SPAIN	0	0	0	23	1	127	127	10	7	3	0	2	2	11	11	2,000	6	(13)
FSM	338	164	276	185	99	270	548	328	583	406	750	750	850	971			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			2,689	(4)
FRENCH POLYNESIA	967	507	621	1,066	793	690	527	447	716	418	491	758	615	783			790	(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	13,060	7,192	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	7,806	6,082	6,082	16,480	16,480	
KIRIBATI	2	0	2	0	0	0	0	7	0	4	140	300	175	108			1	(4)
MARSHALL ISLANDS	0	0	0	3	0	0	2	91	120	117	99	113	47	0			1	(4)
NAURU	5	2	6	1	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			632	(4)
NEW ZEALAND	131	27	39	36	36	3	25	11	3	6	3	1	1	2	6	2,000	58	
NIUE	0	0	0	0	34	42	43	40	20	8	0	0	0	0			0	(4)
NORTHERN MARIANAS	0	0	0	0	0	0	0	0	0	0	0	0	92	92			0	(4)
PALAU	41	3	19	28	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			1,904	(4)
PHILIPPINES	484	484	484	484	484	484	484	484	484	484	146	61	27	153	153	2,000	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	8,371	12,864	12,864	(10)
SAMOA	470	369	293	444	199	264	305	317	412	386	395	234	330	231			394	(4)
SENEGAL	0	0	0	0	6	3	4	0	0	0	0	0	0	0	0	2,000	0	(7)
SOLOMON ISLANDS	159	401	258	440	6	0	0	0	0	5,159	643	0	0	12,536			315	(4), (10)
TONGA	259	263	263	163	219	227	341	291	109	47	171	140	126	195			237	(4)
TUVALU	0	0	0	0	0	0	0	0	0	0	286	453	41	41			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	12,257	22,361	22,361	(10)
USA	1,016	572	809	694	698	937	833	836	429	462	738	576	546	565	565	2,000	773	
VANUATU	49	778	1,315	1,755	1,147	1,346	967	860	801	788	1,269	2,230	1,626	1,695			974	(4)
WALLIS AND FUTUNA	0	0	0	0	0	0	0	0	0	0	4	0	0	0			0	(4)
Total	72,460	74,072	78,320	77,996	71,619	67,070	62,801	65,300	81,958	76,804	73,531	67,313	51,603	72,358	48,048	76,785	75,712	
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	13,917				(8)

Notes:

1. Source: WCFPC Annual catch estimates as at 20th October 2015.
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 2013-01 for years from 2014 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 2013 limit	2014			
GILLNET	VIETNAM	13,520			Within EEZ	NO	
HANDLINE (LARGE-FISH)	INDONESIA	12,606			Within EEZ	NO	
	PHILIPPINES	13,362			Within EEZ	NO	
HOOK-AND-LINE (SMALL-FISH)	PHILIPPINES	70,000			Mostly within archipelagic waters	NO	
POLE-AND-LINE	INDONESIA	166,912			Mostly within archipelagic waters	NO	
	JAPAN	114,573	21,051	11,299		YES	3, 6
	SOLOMON ISLANDS	7,731	1,697	142	Mostly within archipelagic waters	YES	3
RINGNET	PHILIPPINES	2,473			Mostly within archipelagic waters	NO	
SEINE	CHINESE TAIPEI	18,270			Within EEZ	NO	5
TROLL	JAPAN	17,179			Primarily Territorial Seas	NO	6
UNCLASSIFIED / UNSPECIFIED	INDONESIA	121,682			Within EEZ	NO	
	KIRIBATI	2,368			Within EEZ	NO	
	PHILIPPINES	2,727			Mostly within archipelagic waters	NO	

Notes:

1. Source: Raised logsheet data. 2014 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 2013-01 Para. 47.

3. The CMM 2013 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)"

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	21,466	74%	7,292	25%	268	1%	29,026	693	17,280	70%	5,462	22%	1,948	8%	24,690	2,788	38,745	12,754	2,216	53,715
CN	2011	12	10	3,871	1,416	11,234	74%	3,950	26%	109	1%	15,294	2,013	46,199	74%	11,773	19%	4,276	7%	62,248	3,428	57,433	15,723	4,385	77,541
CN	2012	13	11	2,227	709	9,870	73%	3,574	26%	151	1%	13,594	1,149	27,207	77%	6,029	17%	2,318	7%	35,554	1,858	37,076	9,603	2,469	49,148
CN	2013	14	12	3,604	2,338	26,500	87%	3,901	13%	243	1%	30,643	1,418	37,565	73%	10,140	20%	3,479	7%	51,184	3,756	64,065	14,041	3,722	81,828
CN	2014	19	18	3,120	1,416	17,327	84%	3,122	15%	197	1%	20,646	1,470	45,577	78%	9,419	16%	3,523	6%	58,520	2,886	62,904	12,541	3,720	79,165
EC	2010	14	6	284	21	125	71%	46	26%	3	2%	175	200	5,706	60%	2,052	22%	1,786	19%	9,544	221	5,832	2,098	1,790	9,719
EC	2011	8	7	556	42	221	25%	648	74%	2	0%	871	454	18,943	66%	4,443	16%	5,274	18%	28,660	496	19,163	5,092	5,276	29,531
EC	2012	8	7	469	12	43	92%	4	9%	0	0%	47	611	22,163	71%	4,115	13%	4,993	16%	31,271	623	22,206	4,120	4,993	31,318
EC	2013	7	7	466	70	2,020	89%	205	9%	55	2%	2,280	284	13,815	72%	2,200	12%	3,148	16%	19,162	355	15,835	2,405	3,202	21,442
EC	2014	7	7	476	53	1,006	84%	186	16%	6	1%	1,197	354	15,039	73%	2,120	10%	3,438	17%	20,597	407	16,045	2,306	3,443	21,794
ES	2010	4	4	720	26	681	83%	133	16%	6	1%	820	364	19,818	69%	4,665	16%	4,166	15%	28,648	390	20,499	4,797	4,172	29,468
ES	2011	4	4	753	30	424	32%	903	68%	7	1%	1,334	488	26,597	70%	5,349	14%	6,171	16%	38,117	518	27,020	6,252	6,179	39,451
ES	2012	4	4	787	57	1,870	68%	866	31%	31	1%	2,767	461	19,679	67%	4,311	15%	5,414	18%	29,404	517	21,549	5,177	5,445	32,171
ES	2013	4	4	837	56	2,671	88%	348	12%	7	0%	3,026	515	28,783	67%	6,809	16%	7,549	18%	43,141	571	31,454	7,158	7,556	46,167
ES	2014	4	4	753	89	3,478	83%	724	17%	11	0%	4,213	431	25,233	70%	4,081	11%	6,933	19%	36,247	520	28,711	4,805	6,944	40,460
FM	2010	7	7	1,353	635	8,686	79%	2,218	20%	95	1%	11,000	433	10,884	74%	2,823	19%	1,053	7%	14,760	1,068	19,571	5,041	1,148	25,760
FM	2011	7	7	1,625	472	5,616	75%	1,812	24%	51	1%	7,480	797	13,524	71%	4,376	23%	1,125	6%	19,025	1,269	19,140	6,188	1,176	26,504
FM	2012	9	9	1,574	464	6,358	75%	2,001	24%	73	1%	8,432	838	22,239	80%	3,908	14%	1,653	6%	27,800	1,302	28,597	5,909	1,727	36,232
FM	2013	10	10	1,384	450	9,020	87%	1,305	13%	95	1%	10,420	539	13,123	75%	3,115	18%	1,226	7%	17,463	989	22,143	4,420	1,321	27,884
FM	2014	10	9	1,387	602	12,882	84%	2,273	15%	249	2%	15,404	604	17,147	76%	4,073	18%	1,450	6%	22,670	1,206	30,030	6,346	1,698	38,074
JP	2010	37	36	5,695	5,633	133,118	80%	32,165	19%	715	0%	165,998	933	31,598	83%	4,949	13%	1,635	4%	38,182	6,566	164,717	37,114	2,350	204,180
JP	2011	40	37	6,524	5,956	93,758	79%	24,453	21%	282	0%	118,493	1,350	43,679	86%	5,401	11%	1,774	4%	50,854	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	1,647	63,795	88%	6,103	9%	2,248	3%	72,146	6,514	167,519	22,849	2,853	193,220
JP	2013	41	34	5,501	4,759	107,488	88%	13,752	11%	648	1%	121,888	1,075	47,025	87%	5,515	10%	1,658	3%	54,198	5,834	154,513	19,267	2,306	176,086
JP	2014	40	33	4,899	4,272	92,242	78%	24,206	21%	1,341	1%	117,790	1,071	42,521	84%	6,174	12%	1,774	4%	50,469	5,343	134,763	30,381	3,114	168,258
KI	2010	5	4	653	472	7,115	77%	2,095	23%	89	1%	9,299	258	11,646	71%	2,640	16%	2,160	13%	16,446	730	18,762	4,734	2,249	25,745
KI	2011	7	7	1,433	782	9,269	72%	3,626	28%	72	1%	12,967	566	25,176	75%	4,635	14%	3,736	11%	33,547	1,349	34,446	8,261	3,807	46,514
KI	2012	9	9	1,908	1,645	29,911	78%	7,962	21%	320	1%	38,193	524	20,001	83%	2,646	11%	1,592	7%	24,239	2,169	49,912	10,608	1,912	62,432
KI	2013	12	13	2,081	1,422	28,024	82%	5,817	17%	292	1%	34,133	665	27,856	73%	6,486	17%	3,766	10%	38,108	2,087	55,880	12,303	4,058	72,241
KI	2014	14	15	2,826	2,174	46,116	77%	13,544	23%	331	1%	59,991	829	39,969	81%	5,545	11%	3,669	8%	49,183	3,002	86,084	19,089	4,000	109,174
KR	2010	29	28	7,289	6,311	145,266	71%	57,888	28%	2,319	1%	205,474	1,146	56,274	78%	10,982	15%	4,583	6%	71,839	7,456	201,540	68,870	6,902	277,312
KR	2011	28	28	6,601	4,542	80,164	73%	29,708	27%	637	1%	110,509	2,132	73,089	75%	16,838	17%	7,266	8%	97,193	6,674	153,253	46,546	7,903	207,702
KR	2012	28	28	5,887	6,293	147,083	77%	42,131	22%	1,632	1%	190,846	1,323	59,450	83%	8,394	12%	3,501	5%	71,346	7,616	206,533	50,525	5,133	262,191
KR	2013	27	29	6,007	6,092	132,355	81%	29,850	18%	1,816	1%	164,021	1,160	47,486	77%	10,478	17%	3,647	6%	61,611	7,252	179,841	40,328	5,463	225,632
KR	2014	28	28	5,391	5,821	161,789	81%	38,165	19%	1,139	1%	201,094	1,075	57,380	83%	7,970	12%	3,604	5%	68,955	6,896	219,169	46,135	4,743	270,048
MH	2010	10	10	1,680	1,246	19,513	77%	5,421	22%	285	1%	25,219	658	24,113	76%	4,832	15%	2,670	8%	31,615	1,904	43,626	10,253	2,955	56,834
MH	2011	10	10	2,548	549	7,634	79%	1,917	20%	67	1%	9,618	1,561	59,947	74%	12,877	16%	7,741	10%	80,565	2,110	67,581	14,794	7,807	90,182
MH	2012	10	10	1,945	776	11,566	68%	5,429	32%	127	1%	17,122	1,325	43,487	79%	7,208	13%	4,140	8%	54,835	2,102	55,053	12,637	4,267	71,957
MH	2013	10	10	2,122	1,079	17,813	89%	2,220	11%	95	1%	20,127	1,157	42,768	74%	10,239	18%	4,500	8%	57,507	2,236	60,581	12,459	4,594	77,634
MH	2014	10	10	2,162	1,082	17,451	89%	2,013	10%	102	1%	19,566	1,260	44,363	79%	8,434	15%	3,524	6%	56,321	2,342	61,814	10,448	3,625	75,887

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	SETS	MT		MT	MT				MT
NZ	2010	4	4	573	386	8,711	97%	224	3%	7	0%	8,943	194	7,869	82%	1,316	14%	409	4%	9,594	580	16,581	1,540	416	18,537				
NZ	2011	4	4	460	167	3,617	90%	418	10%	3	0%	4,038	192	5,688	77%	1,142	16%	534	7%	7,364	359	9,306	1,560	537	11,402				
NZ	2012	4	4	447	282	5,213	86%	789	13%	43	1%	6,045	149	3,131	81%	545	14%	174	5%	3,850	431	8,344	1,334	217	9,895				
NZ	2013	4	4	316	173	4,877	92%	385	7%	16	0%	5,278	133	5,076	80%	849	13%	399	6%	6,324	306	9,953	1,234	416	11,602				
NZ	2014	5	5	288	207	4,626	89%	518	10%	31	1%	5,174	158	4,627	85%	576	11%	224	4%	5,427	365	9,253	1,094	254	10,601				
PG	2010	45	49	8,454	5,432	90,728	74%	31,071	25%	1,351	1%	123,150	2,604	57,339	70%	19,664	24%	5,031	6%	82,034	8,037	148,067	50,734	6,383	205,184				
PG	2011	49	51	9,198	4,727	65,333	78%	18,385	22%	414	1%	84,133	3,595	74,644	73%	21,940	22%	5,265	5%	101,848	8,322	139,977	40,325	5,679	185,981				
PG	2012	51	49	9,230	6,332	96,232	71%	38,775	28%	1,586	1%	136,593	3,383	79,372	74%	22,501	21%	6,090	6%	107,963	9,715	175,604	61,276	7,676	244,556				
PG	2013	51	49	9,082	6,184	91,382	72%	33,095	26%	1,697	1%	126,174	2,465	48,869	67%	19,356	27%	4,282	6%	72,507	8,649	140,252	52,451	5,979	198,682				
PG	2014	55	47	9,705	6,301	104,876	73%	36,406	25%	1,960	1%	143,243	2,422	67,715	74%	18,091	20%	5,831	6%	91,637	8,723	172,591	54,497	7,791	234,880				
PH	2010	25	25	4,448	2,323	30,579	64%	16,743	35%	738	2%	48,060	874	17,285	64%	7,716	29%	1,961	7%	26,962	3,197	47,864	24,459	2,699	75,021				
PH	2011	25	22	4,760	2,930	39,189	72%	15,063	28%	279	1%	54,531	1,074	18,184	69%	7,275	28%	821	3%	26,280	4,005	57,372	22,339	1,100	80,811				
PH	2012	21	28	5,209	3,788	46,456	64%	24,476	34%	1,387	2%	72,319	1,377	26,363	69%	9,863	26%	1,782	5%	38,008	5,165	72,819	34,339	3,169	110,327				
PH	2013	27	29	4,780	3,157	35,412	56%	27,055	43%	1,216	2%	63,683	1,401	22,864	58%	14,206	36%	2,171	6%	39,241	4,558	58,276	41,261	3,387	102,925				
PH	2014	27	32	4,310	3,403	52,276	64%	28,608	35%	1,476	2%	82,359	959	17,996	66%	7,694	28%	1,693	6%	27,383	4,362	70,271	36,301	3,169	109,742				
SB	2010	5	5	485	95	2,074	60%	1,380	40%	26	1%	3,480	353	6,532	67%	2,868	30%	337	4%	9,737	448	8,606	4,248	363	13,217				
SB	2011	5	5	1,006	119	2,261	80%	564	20%	11	0%	2,836	742	14,466	64%	7,332	32%	927	4%	22,725	861	16,727	7,896	938	25,562				
SB	2012	5	5	1,054	112	1,835	71%	742	29%	0	0%	2,577	789	15,342	64%	8,042	34%	539	2%	23,924	901	17,177	8,784	539	26,500				
SB	2013	5	5	1,078	219	3,063	65%	1,591	34%	50	1%	4,703	636	12,577	63%	6,794	34%	695	4%	20,066	855	15,640	8,384	745	24,769				
SB	2014	5	5	1,235	244	3,458	49%	3,640	51%	9	0%	7,107	812	12,429	53%	10,395	45%	491	2%	23,315	1,056	15,886	14,036	501	30,422				
SV	2010	2	2	210	3	13	46%	0	0%	15	54%	28	136	4,845	66%	1,363	19%	1,135	16%	7,344	139	4,858	1,363	1,150	7,372				
SV	2011	2	2	268	3	17	20%	67	79%	0	0%	85	185	8,648	71%	1,614	13%	1,879	16%	12,141	188	8,665	1,682	1,879	12,226				
SV	2012	2	2	300	4	15	100%	0	0%	0	0%	15	213	9,143	67%	2,275	17%	2,213	16%	13,632	217	9,158	2,275	2,213	13,647				
SV	2013	4	4	404	13	295	72%	114	28%	3	1%	412	296	11,378	68%	2,833	17%	2,594	15%	16,805	309	11,674	2,946	2,597	17,217				
SV	2014	4	4	522	103	2,184	96%	84	4%	2	0%	2,270	310	10,740	71%	2,367	16%	2,104	14%	15,210	413	12,923	2,451	2,106	17,480				
TV	2010	1	1	263	307	6,866	77%	1,973	22%	53	1%	8,892	40	1,227	73%	326	19%	135	8%	1,688	347	8,093	2,299	188	10,580				
TV	2011	1	1	294	268	4,118	81%	925	18%	22	0%	5,065	55	1,514	77%	272	14%	170	9%	1,956	323	5,632	1,197	191	7,021				
TV	2012	1	1	251	278	3,070	61%	1,919	38%	41	1%	5,030	85	4,193	82%	640	13%	298	6%	5,131	363	7,264	2,559	339	10,161				
TV	2013	1	1	260	338	6,494	88%	821	11%	54	1%	7,369	75	2,714	77%	611	17%	199	6%	3,524	413	9,208	1,432	253	10,893				
TV	2014	1	1	177	162	3,592	86%	536	13%	36	1%	4,163	54	2,020	81%	322	13%	158	6%	2,500	216	5,612	857	194	6,663				
TW	2010	34	30	7,650	6,081	89,677	77%	25,652	22%	1,082	1%	116,411	1,834	61,390	75%	15,536	19%	5,513	7%	82,439	7,915	151,066	41,188	6,595	198,850				
TW	2011	34	30	8,736	4,702	53,532	79%	14,126	21%	397	1%	68,055	2,981	80,343	75%	19,350	18%	8,187	8%	107,880	7,682	133,875	33,475	8,584	175,935				
TW	2012	34	35	7,030	4,445	59,278	72%	21,770	27%	788	1%	81,836	3,018	94,651	80%	16,762	14%	7,404	6%	118,817	7,463	153,930	38,531	8,192	200,653				
TW	2013	34	34	7,462	5,943	85,549	85%	14,146	14%	968	1%	100,663	2,623	82,640	74%	21,371	19%	7,807	7%	111,818	8,567	168,189	35,517	8,775	212,481				
TW	2014	34	35	6,773	5,713	101,729	87%	14,222	12%	1,168	1%	117,119	2,649	93,868	78%	18,618	16%	7,550	6%	120,036	8,362	195,598	32,839	8,718	237,154				
US	2010	37	37	8,172	6,306	110,414	83%	21,603	16%	824	1%	132,841	2,407	87,322	78%	18,166	16%	7,196	6%	112,684	8,714	197,736	39,769	8,020	245,525				
US	2011	37	36	7,993	2,952	46,128	79%	12,196	21%	258	0%	58,583	3,406	111,769	77%	21,282	15%	11,607	8%	144,657	6,358	157,897	33,478	11,865	203,240				
US	2012	39	39	8,719	5,594	98,684	80%	24,223	20%	946	1%	123,853	3,443	110,255	81%	18,005	13%	7,647	6%	135,907	9,038	208,940	42,228	8,592	259,760				
US	2013	40	41	8,334	5,021	94,309	90%	9,848	9%	487	1%	104,644	3,160	113,489	76%	23,798	16%	12,341	8%	149,629	8,180	207,798	33,646	12,829	254,273				
US	2014	40	40	8,596	5,944	113,544	85%	19,097	14%	541	0%	133,182	3,546	133,364	81%	21,203	13%	10,039	6%	164,605	9,490	246,908	40,299	10,580	297,787				
VU	2010	5	3	717	374	10,036	81%	2,206	18%	84	1%	12,326	192	9,260	81%	1,543	14%	640	6%	11,444	566	19,297	3,749	724	23,770				
VU	2011	6	3	1,110	278	5,189	79%	1,316	20%	31	1%	6,537	394	12,897	77%	2,827	17%	1,121	7%	16,845	672	18,087	4,143	1,152	23,382				
VU	2012	6	3	733	462	9,658	65%	4,984	34%	136	1%	14,777	256	9,306	82%	1,347	12%	737	7%	11,390	718	18,964	6,330	873	26,167				
VU	2013	6	4	1,009	639	12,207	86%	1,964	14%	93	1%	14,264	264	9,976	78%	2,048	16%	769	6%	12,793	903	22,183	4,011	862	27,057				
VU	2014	3	3	685	363	8,774	89%	1,067	11%	65	1%	9,906	230	8,605	79%	1,602	15%	648	6%	10,855	593	17,379	2,669	713	20,761				

Table 7. (continued)

YEAR	VESSELS			UNASSOCIATED SCHOOLS								ASSOCIATED SCHOOLS								TOTAL				
	YB	LOG	DAYS	SKIPJACK		YELLOWFIN		BIGEYE		TOTAL	SKIPJACK		YELLOWFIN		BIGEYE		TOTAL	SETS	SKJ	YFT	BET	TOTAL		
				SETS	MT	%	MT	%	MT	%	MT	SETS	MT	%	MT	%	MT							
2010	276	261	51,429	37,746	685,068	76%	208,110	23%	7,960	1%	901,142	13,033	425,990	74%	105,138	18%	42,062	7%	573,193	51,066	1,115,459	315,011	50,320	1,480,790
2011	279	264	57,734	29,935	427,704	76%	130,077	23%	2,642	0%	560,429	21,845	633,651	75%	148,217	17%	67,803	8%	849,672	51,920	1,063,012	278,805	70,517	1,412,333
2012	285	282	53,217	36,120	630,866	76%	196,390	24%	7,866	1%	835,120	20,454	628,043	78%	122,249	15%	52,637	7%	802,932	56,713	1,260,643	319,084	60,609	1,640,336
2013	297	290	54,727	37,953	659,479	81%	146,417	18%	7,835	1%	813,728	17,762	566,220	73%	145,949	19%	60,102	8%	772,270	55,819	1,227,484	293,264	68,063	1,588,811
2014	306	296	53,304	37,949	747,350	79%	188,411	20%	8,664	1%	944,424	18,148	636,750	78%	128,062	16%	56,503	7%	821,316	56,182	1,385,942	317,095	65,314	1,768,351

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, 2010-2014.

FLEET	LONGLINE EFFORT (100s of Hooks)				
	2010	2011	2012	2013	2014
CK	14,411	17,359	33,577	18,186	11,152
CN	558,006	741,473	838,710	653,046	554,203
FJ	27,412	93,687	176,859	145,491	142,987
FM	76,732	94,003	108,987	86,460	71,526
JP	588,540	536,346	505,317	433,928	423,493
KI	0	15,523	45,162	30,194	31,405
KR	728,899	803,678	771,103	626,874	603,157
MH	16,229	16,507	21,216	5,817	0
PF	0	266	168	246	435
PG	24,589	51,692	41,244	15,899	19,859
SB	54,947	307	357	4,244	378,261
TV	0	19,710	72,769	13,654	16,809
TW	1,156,084	1,586,465	1,710,738	1,866,566	940,764
US	125,964	136,646	153,198	127,427	150,322
VU	63,649	78,632	127,019	187,622	151,346

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