FIFTH REGULAR SESSION

8-12 December 2008

Busan, Korea

Catch and effort summaries

WCPFC5-2008/IP11 (Rev.2)

12 December 2008

Prepared by the SPC-OFP

TOTAL PURSE SEINE EFFORT 20N-20S BY FLAG

Flag	2001	2002	2003	2004	2005	2006	2007
China	229	416	957	1,334	2,512	2,710	2,735
EPO-based fleets	78	114	154	195	187		
EC	39	81	93	141	71	195	454
FSM	900	993	1,395	1,377	1,201	625	690
Indonesia *							
Japan	5,078	5,231	5,831	5,949	5,594	5,459	5,540
Kiribati	194	212	200	221	223	192	204
Korea	6,280	6,615	6,540	7,393	6,873	7,548	7,485
Marshall Is.	1,099	1,213	1,523	1,423	1,257	999	1,336
NZ	253	1,158	914	972	483	823	589
PNG	4,354	4,791	6,691	7,521	10,115	8,281	8,667
Philippines *							
Solomon Is.	356	351	372	451	659	880	661
Chinese Taipei	8,415	8,830	8,372	7,941	8,201	7,716	8,298
USA	5,226	5,820	4,721	4,194	3,170	2,614	2,517
Vanuatu	280	516	779	1,682	2,190	1,644	1,946
Grand Total	32,743	36,275	38,470	40,811	42,736	39,700	41,490

* Comprehensive effort data are not available for Indonesia and Philippines

PURSE SEINE BIGEYE CATCH 20N-20S BY FLAG

Flag	2001	2002	2003	2004	2005	2006	2007
China	0	89	140	53	520	140	768
EPO-based fleets	393	563	1,492	1,272	981	981	981
EC	734	0	0	842	817	688	3,040
FSM	751	623	500	690	550	159	196
Indonesia	817	881	774	3,116	2,855	3,821	3,777
Japan	5,324	3,624	3,758	3,467	4,158	3,472	3,075^
Kiribati	174	143	114	126	238	139	103
Korea	1,484	2,591	1,088	1,824	1,214	3,227	1,775
Marshall Is.	261	158	513	878	971	2,032	2,118
NZ	230	593	383	1,198	353	859	431
PNG	3,307	5,377	3,808	2,878	3,508	1,435	4,464
Philippines	4,761	2,549	3,457	4,455	8,073	7,358	4,282
Solomon Is.	623	488	800	1,209	745	1,353	817
Chinese Taipei	2,282	2,643	2,673	730	2,178	986	2,384
USA	6,176	4,889	4,470	5,031	6,108	4,364	7,625
Vanuatu	88	220	330	311	797	434	391
Grand Total	26,669	24,412	23,698	27,735	33,782	30,925	36,144

^ Preliminary data

PURSE SEINE EFFORT IN THE TWO HIGH SEAS POCKETS BY FLAG

Flag	2001	2002	2003	2004	2005	2006	2007
China	95	122	149	393	490	218	329
EC							
FSM	214	142	156	344	192	59	167
Japan	1,443	1,374	1,994	2,135	1,785	1,527	1,256
Kiribati	38	50	40	32	44	49	21
Korea	967	681	1,136	1,224	734	390	1,323
Marshall Is.	72	137	152	140	135	71	169
NZ	5	90	247	137	47	203	151
PNG	325	403	549	922	1,185	320	674
Philippines	13	48	435	452	306	153	17
Solomon Is.	4	37			16	15	6
Chinese Taipei	1,273	1,300	1,428	1,836	1,171	1,119	1,462
USA	384	209	637	507	356	352	468
Vanuatu	18	59	124	316	221	173	331
Grand Total	4,851	4,652	7,046	8,438	6,683	4,650	6,534

PURSE SEINE DAYS FISHED INTERNATIONAL WATERS 20°N–20°S

Flag	2001	2002	2003	2004	Av. 2001-2004	CMM 2006-10	2005	2006	2007 (prov.)
CHINA	95	126	149	428	200	428	494	230	367
CHINESE TAIPEI	1,969	1,865	1,487	1,913	1,809	1,913	1,262	1,238	1,493
EUROPEAN COMMUNITY	38	63	86	103	73	103	52	135	245
FSM	241	228	175	383	257	383	222	63	169
INDONESIA	500	500	500	500	500	500	500	500	500
JAPAN	1,793	1,589	2,093	2,321	1,949	2,321	1,832	1,535	1,317
KIRIBATI	40	52	40	35	42	42	46	53	22
MARSHALL ISLANDS	173	208	435	398	304	398	400	154	194
NEW ZEALAND	23	323	342	210	225	225	98	291	180
PAPUA NEW GUINEA	382	570	580	1,005	634	1,005	1,240	405	700
PHILIPPINES	13	55	435	452	239	452	306	153	17
REPUBLIC OF KOREA	1,307	1,226	1,152	1,234	1,230	1,234	1,071	741	1,397
SOLOMON ISLANDS	32	37	0	0	17	17	16	15	11
USA	968	1,333	863	987	1,038	1,038	771	534	782
VANUATU	66	163	181	571	245	571	376	392	361
TOTAL	7,640	8,338	8,518	10,540	8,759	10,629	8,686	6,439	7,755

Source(Table 2 WCPFC5-2008-18; including EC data provided 7 Dec 2008)

Table x. Reported longline catches of bigeye tuna in the WCPFC-CA, by flag. Numbers in red indicate estimates carried forward from the previous year.

CCM	2001	2002	2003	2004	Av. 2001-04 or 2004*	2005	2006	2007 (prov.)
AMERICAN SAMOA	75	196	242	227	185	134	181	198
AUSTRALIA	1,307	1,002	1,024	892	1,056	791	563	777
BELIZE	1,322	812	782	297	803	425	254	158
CHINA	2,227	2,312	8,965	9,314	*9,314*	6,399	9,790	7,821
CHINESE TAIPEI	12,435	16,645	13,345	20,992	15,854	15498	14,295	14,760
COOK ISLANDS	1	56	204	394	164	220	166	189
EUROPEAN COMMUNITY	0	0	0	42	11	17	62	0
FIJI	662	853	889	1254	915	423	771	639
FRANCE (FRENCH POLYNESIA)	745	649	439	502	584	606	498	481
FRANCE (NEW CALEDONIA)	128	189	142	90	137	76	35	53
FSM	651	759	656	542	652	182	172	1,394
INDONESIA	659	711	625	8413	2,602	7707	10,317	10,197
JAPAN	27,466	29,574	26,110	29,248	28,100	23,020	26,876	26,876
KIRIBATI	0	0	0	0	0	0	0	0
MARSHALL ISLANDS	0	0	0	1	0	0	0	3
NAURU	6	3	10	0	5	0	0	0
NEW ZEALAND	481	201	204	177	266	175	177	213
NIUE	0	0	0	0	0	10	0	0
PALAU	21	1	1	7	8	0	0	0
PAPUA NEW GUINEA	240	318	390	392	335	211	134	144
PHILIPPINES	264	310	394	403	343	729	804	927
REPUBLIC OF KOREA	22,172	28,533	17,151	17,941	21,449	15622	12,489	10,054
SAMOA	185	137	110	104	134	64	128	101
SOLOMON ISLANDS	187	393	967	357	476	357	357	357
TONGA	191	215	94	40	135	125	117	129
USA	2,418	4,396	3,618	4,181	*4,181*	4,462	4,381	5,416
VANUATU	17	396	841	1,862	779	1,558	2,145	1,574
Total	73,860	88,661	77,203	97,672	88,486	78,811	84,712	82,461

*2004 only applies to China and USA

Notes:

1. Source: Annual catch estimates, WCPFC Tuna Fishery Yearbook 2006.
2. Catch estimates in **red** have been carried over from previous years.
3. Indonesia has recently revised the proportion of catch taken by gear type for their domestic fisheries which has resulted in a much larger allocation to their longline (at the expense of catches in the "unclassified" fisheries) since 2004 than has been reported in previous years.
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 2005-01 using the best information available to SPC-OFP.

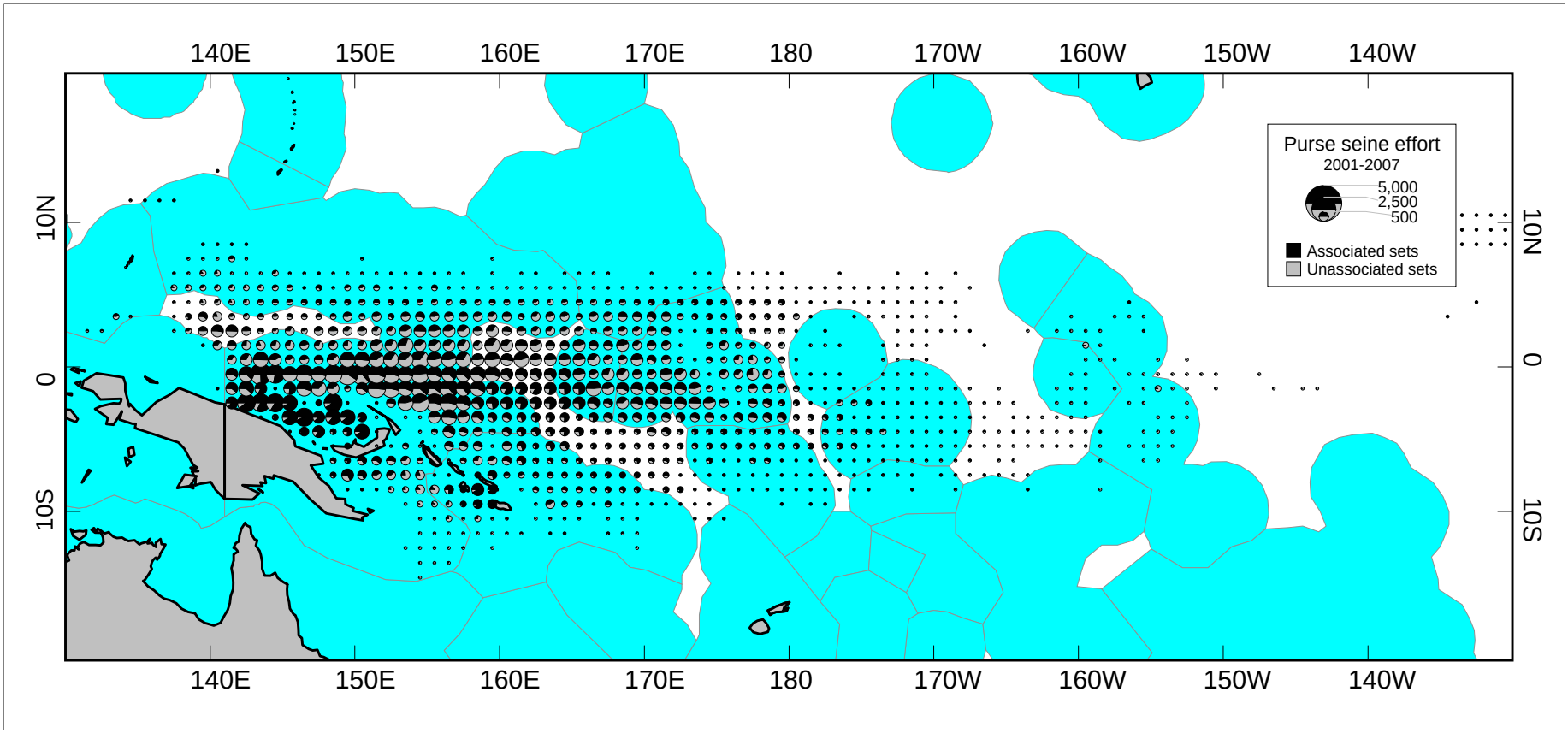

Figure 1: Distribution of purse seine effort in the WCPFC by set type for 2001-2007.

Estimated catches of swordfish in the WCPFC-CA south of 20S

There is no requirement under the current SWO CMM to report catch for the area covered by the measure. The estimates of SWO catch are based on overall catch estimates and aggregate longline catch data. For 2007, aggregate data is not available for many fleets.

The table below provides the current best estimates of SWO catch with footnotes outlining any assumptions or issues. We note that for some flags these numbers could differ from their annual catch estimates, but efforts were made to use a standard method across flags.

Estimated annual swordfish catch (mt) in the WCPFC Convention Area south of 20°S

flag	2001	2002	2003	2004	2005	2006	2007
AU	2,304	2,387	1,586	1,513	2,021	1,190	1,110
CK	0	11	147	197	77	88	38
CN		12	44	10	5	1	0
ES				660	1,244	3,104	4,190 [1]
FJ	48	30	45	34	32	18	11
JP[2]	371	405	274	299	211	183	- [3]
KR	0	1	0	0	0	0	0
NC	11	8	13	13	10	7	17
NU	0	0	0	0	0	0	0
NZ[4]	1027	920	635	538	348	581	392
PF	0	1	11	6	3	15	0
TO	22	11	9	41	37	31	36
TW	49	318	522	558	170	116	-[5]
VU	3	21	12	75	58	41	5

[1] Aggregate data were provided 10 December 2008 and these data have been included in this table for 2007 and represent a small difference from the preliminary estimates provided to SC-4.

[2] Catch in weight are not provided in the aggregate data. Therefore, catch in weight is estimated by applying a monthly average weight from available logsheet data to the catch in numbers. Japan has indicated that it will submit aggregate catch in weight to the Commission to allow more accurate estimation of their catches. Therefore these figures are preliminary and subject to change.

[3] Aggregate data not provided

[4] As all NZ fishing is south of 20S, the use of aggregate data is not appropriate due to the raising methodology used by SPC-OFP. The revised estimates are the annual catch estimates provided to the WCPFC.

[5] Aggregate data provided, but coverage is too low to consider representative.