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### **REVIEW OF CCMs' IMPLEMENTATION OF, AND COMPLIANCE WITH, CONSERVATION AND MANAGEMENT MEASURES**

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**WCPFC5-2008/18**

**20 November 2008**

#### **Paper prepared by the Secretariat**

### **Introduction**

1. The Commission's CMMs that apply equally to Members, Cooperating Non-Members and Participating Territories (CCMs) are listed in Table 1. These measures impose reporting and monitoring obligations on CCMs. A summary of reports received from various CCMs in respect of each CMM is presented at Table 2.

2. This paper updates information provided in WCPFC-TCC4-2008/10 (Rev.3) based on submissions by CCMs to the Secretariat since TCC4 in early October 2008. Supplementary information, prepared at the request of TCC4, and listing the names of CCMs in compliance with various reporting measures and obligations, and those not in compliance, is presented in WCPFC5-2008/IP06.

### **Record of Fishing Vessels and Authorization to Fish**

3. Under this measure, each CCM was required to submit to the Executive Director by 1 July 2005 particular information with respect to each vessel listed in its national record of fishing vessels entitled to fly its flag and authorized to fish in the Convention Area beyond its area of national jurisdiction. Since 1 July 2005, each CCM is required to notify the Executive Director within 15 days, or in any case within 72 hours before commencement of fishing activities in the Convention Area of:

- a. any vessel added to its Record along with the information set forth in paragraph five (5) of Conservation and Management Measure-2004-01;
- b. any change in the information referred to in paragraph five (5) with respect to any vessel on its Record; and
- c. any vessel deleted from its Record along with the reason for such deletion in accordance with Article 24 (6) of the Convention.

4. At the time of preparing this paper, 23 CCMs and 3 non-CCMs (Ecuador, El Salvador and Panama<sup>1</sup>) had provided records of their respective fishing vessels, as listed in Table 3. The Fourth Regular Session of the Commission (WCPFC4) in December 2007 granted a one-year exemption to Kiribati to allow six Ecuadorian, two El Salvadorean and one Panamanian purse seiners to fish within Kiribati's EEZ, on the condition that Kiribati require these vessels not to fish in the high seas in the WCPFC Convention Area.

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<sup>1</sup> In April 2008 the WCPFC Secretariat was advised that the Panama-flag vessel had re-flagged to Ecuador.

5. A summary of the information provided by CCMs is presented in Table 4. Vessel details were submitted as MS Excel and pdf files in a range of formats. Nineteen CCMs and non-CCMs – Belize, China, Cook Islands, Ecuador, El Salvador, EU, Fiji, Japan, Kiribati, Korea, Marshall Islands, New Caledonia, New Zealand, Panama, Philippines, Chinese Taipei, Solomon Islands, Tuvalu and the U.S. - have submitted legible colour photographs of vessels as stipulated in paragraph 5(g) of CMM-2004-01.

#### *Authorizations to Fish*

6. Although the WCPFC Record of Fishing Vessels database uses a vessel's International Radio Call Sign (IRCS) as the default WCPFC Identification Number (WIN), in cases where an IRCS has not been supplied, CCMs are expected to provide a WIN for those vessels. As reported to TCC2 and TCC3, some CCMs have assigned a number for the WIN while others have not.

7. Some CCMs provided information on the fishing areas in which vessels are authorized to operate. However, because several CCMs authorize vessels to fish on the high seas globally, the WCPFC Record of Fishing Vessels is not an accurate indicator of active fishing capacity in the WCPO because it may include vessels that have never operated, or never plan to operate, in the WCPO.

8. To address this issue WCPFC4 agreed:

a. that before 1 July of each year, each Commission Member shall submit to the Executive Director a list of all vessels that appeared in its record of fishing vessels at any time during the preceding calendar year, together with each vessel's registration number, the WCPFC identification number (WIN), and an indication of whether each vessel fished for highly migratory fish stocks in the Convention Area beyond its area of national jurisdiction. The indication shall be expressed as (i) fished, or (ii) did not fish;

b. Members that operate joint-venture or charter arrangements that result in data reporting obligations being conferred to a party other than the flag State will make arrangements to ensure that the flag State can meet its obligations under paragraph 8 "a" above;

c. The WCPFC Record of Fishing Vessels shall identify those fishing vessels so listed that were active in the Convention Area in the preceding year, consistent with the information provided by Members under paragraph 8 "a" above;

d. The Executive Director shall use available information, including the information supplied by Members under paragraph 7 "a" above, to assist in the assessment of the implementation of relevant CMMs and resolutions for the annual consideration of the TCC.

9. At the time of preparation of this paper, only ten CCMs (Australia, Belize, Canada, EC, FSM, Fiji, Japan, Korea, New Zealand and the U.S.) had submitted their respective lists of vessels as described in paragraph 7(a) above.

10. While some respondents provided information on species and time periods for which the authorizations were valid, there was little or no evidence that the other authorization requirements were satisfied (paragraph 3, CMM-2004-01). These requirements include:

a. permitted activities by the vessel;

b. a prohibition of fishing, retention on board, transshipment or landing by the vessel in areas under the national jurisdiction of an other State except pursuant to any license, permit or authorization that may be required by such other State;

c. the requirement that the vessel keep on board the authorization issued; and

d. any other specific conditions to give effect to the provisions of the Convention, and conservation and management measures adopted pursuant to it.

11. WCPFC3 endorsed a TCC2 confirmation that only vessels flagged to CCMs may be licensed to operate in the WCPO, an agreement that there should be no amendments to CMM-2004-01 and a recommendation for a one-year phase-out period for those identified bunker and carrier vessels flagged to non-CCMs currently operating in the WCPO. WCPFC3 agreed on a set of regulations to be applied to such bunker and carrier vessels during this one-year period, including the maintenance by the Secretariat of a temporary register of carriers and bunkers. The Secretariat has maintained a temporary register of carriers and bunkers since February 2007.

12. WCPFC4 adopted the following recommendations of a small working group that considered a proposal by Marshall Islands regarding whether or not (and how) to allow the operation of non-CCM flagged carrier and bunker vessels on the high seas in the Convention Area:

- a. the Commission should defer consideration of establishing a record of non-CCM carrier and bunker vessels;
- b. the Commission should refer the original proposal from Marshall Islands, as amended in paragraphs 1 (c ), 1(d), 11-16 and 19-22 of WCPFC4-2007/28 to TCC4 for consideration;
- c. the Commission should encourage interested CCMs to work together before TCC4 to continue to develop this measure for adoption in 2008; and
- d. the Commission should extend the current exemption for non-CCM carrier and bunker vessels for 2008 pending the work recommended above.

13. TCC4 recommended to WCPFC5 that the exemption for non-CCM carrier and bunker vessels be extended for a further year.

#### *CCMs' Records of Fishing Vessels*

14. A total of 8,846 vessels are included in the records submitted to the Executive Director by CCMs since 1 July 2005. These cover small, medium and large-scale tuna fishing vessels (Table 4), vessels targeting tuna and other species, support vessels, and research and training vessels.

15. While it has not been possible to verify the information contained in each CCMs' Record, it is clear that not all the information required in CMM-2004-01 has been provided by all of those CCMs that submitted vessel records (Table 5). During 2007 and 2008 the Secretariat worked collaboratively with several CCMs to remedy deficiencies in their respective vessel records.

#### *WCPFC Record of Fishing Vessels*

16. The online, searchable version of the WCPFC Record of Fishing Vessels available at <http://www.wcpfc.int/vrecord/search.php> was amended in mid-September 2008 to indicate whether or not a vessel either "fished" or "did not fish" for highly migratory fish stocks in the Convention Area beyond its area of national jurisdiction in the preceding year.

17. In order to more efficiently process vessel information provided for the purpose of maintaining the WCPFC Record of Fishing Vessels, it is proposed that during 2009, the Secretariat be tasked to develop an on-line system of vessel data entry. Such a system would allow each CCM flag State to enter the details of vessels for which it is responsible directly to the WCPFC Record of Fishing Vessels. This system will be programmed to accept data consistent with the provisions of the Convention, CMM-2004-01, or any other decisions of the Commission relating to information requirements for individual vessels (e.g. VMS) for the purpose of maintaining the WCPFC Record of Fishing Vessels.

### **Conservation and Management Measures for Bigeye and Yellowfin Tuna in the Western and Central Pacific Ocean**

18. Paragraph 1 of CMM-2005-01 states, among other things, that "Through the adoption of necessary measures, the total level of fishing effort for bigeye and yellowfin tuna in the Convention Area shall not be increased beyond current levels." A footnote to this paragraph required CCMs to

register their existing regional or bilateral fisheries partnership arrangements or agreements with the Commission in advance of WCPFC3 in 2006. At the time of writing this paper, the Secretariat had received information on 12 existing regional or bilateral fisheries partnership arrangements or agreements existing at that time, a summary of which is appended at Table 6.

19. Subject to other provisions in the Measure, CMM-2005-01 establishes effort levels for purse seine fisheries between 20°N and 20°S (paragraphs 7 to 10) and catch limits for the longline fishery (paragraph 17 to 19). CMM-2006-01 establishes capacity limits for fisheries not addressed in CMM-2005-01, excluding artisanal fisheries. Information relating to these provisions compiled by the Commission's data manager, SPC-OFP is appended at **Attachment 1**.

20. Paragraph 16 of CMM-2005-01 grants an exemption from the measure for developing skipjack purse seine fisheries, between 20°N and 20°S, that can provide verifiable evidence of minimal yellowfin and bigeye catch, with 100 per cent observer coverage, and with a legitimate development plan. This paragraph further states that existing plans shall be tabled at the Commission for information. As noted in Table 2, one CCM has provided to the Secretariat a development plan for developing skipjack fisheries.

21. Paragraph 4 of CMM-2006-01 states that CCMs whose vessels fish in areas beyond national jurisdiction shall develop management plans for the use of FADs (anchored and drifting) in areas beyond national jurisdiction which shall be submitted to the Commission by 1 January 2008. As noted in Table 2, five CCMs (Australia, Japan, New Zealand, Papua New Guinea and Solomon Islands) have provided FAD management plans to the Secretariat to date.

22. Paragraph 9 of CMM-2006-01 states that prior to TCC3, CCMs with purse seine vessels fishing in the Convention Area are required to develop and provide to the Executive Director, plans to require all purse seine vessels to retain on board, and then land, all skipjack, yellowfin and bigeye tuna, except fish unfit for human consumption for reasons other than size, including provisions outlining how such plans would be implemented and enforced (Catch Retention Plans). To assist CCMs with purse seine vessels in the Convention Area to complete Catch Retention Plans pursuant to CMM-2006-01, on 26 June 2007 the Secretariat circulated to all CCMs a suggested set of guidelines for the preparation of such plans. As noted in Table 2, four CCMs (Australia, New Zealand, Solomon Islands and Vanuatu) have provided Catch Retention Plans to the Secretariat.

### **Conservation and Management Measures for South Pacific Albacore**

23. Paragraph 1 of CMM-2005-02 states that CCMs shall not increase the number of their fishing vessels actively fishing for South Pacific albacore in the Convention Area south of 20°S above current (2005) levels or recent historical (2000-2004) levels. There have been difficulties in monitoring CMM-2005-02 with the data provided to the Secretariat at this point. Information specifically listing the number of vessels fishing for South Pacific albacore south of 20°S per year has been provided by Australia, Belize, New Caledonia and New Zealand (Table 7), but could potentially be obtained from other CCMs if they provided complete operational data.

24. Except for Australia, Belize, New Caledonia and New Zealand, the following problems currently exist:

- a. the Secretariat has only been provided with aggregate catch/effort, without vessel numbers, for the distant-water fleets fishing south of 20°S, so it is impossible to determine annual active vessel numbers for these fleets; and
- b. annual active vessel numbers could be obtained for fleets operating south of 20°S using operational data, when available, but the coverage of operational data would need to be 100 per cent.

### **Conservation and Management Measures for North Pacific Albacore**

25. Conservation and Management Measure-2005-03 states that all CCM shall report:

- a. all catches of North Pacific albacore to the WCPFC every six months, except for small coastal fisheries which shall be reported on an annual basis. Such data shall be reported to the Commission as soon as possible and no later than one year after the end of the period covered; and
- b. annually to the WCPFC all catches of albacore north of the equator and all fishing effort north of the equator in fisheries directed at albacore. The reports for both catch and fishing effort shall be made by gear type. Catches shall be reported in terms of weight. Fishing effort shall be reported in terms of the most relevant measures for a given gear type, including at a minimum for all gear types, the number of vessel-days fished. The first report was due on April 30, 2006 covering calendar year 2004.

26. At the time of writing of this paper the Secretariat has received information on estimated catches of North Pacific albacore covering recent activities for the following fleets:

- a. Canada Troll (2004-2007);
- b. Chinese Taipei distant-water and offshore longline (2004-2007);
- c. Cook Islands troll (hard-copy only), longline (2007);
- d. Japan longline (2004-2005);
- e. Japan pole-and-line (2003-2006);
- f. Japan purse seine (2004-2006);
- g. Korea longline (2004-2007);
- h. USA troll (2004-2007);
- i. USA longline (2004-2007); and
- j. Vanuatu longline (2004-2006).

27. The scope of data provided varies among CCMs. Some CCMs provide all the data required by the Measure, others report catch but not effort, and a few report effort in terms of “days fished”.

### **Conservation and Management Measures to Mitigate the Impact of Fishing for Highly Migratory Fish Stocks on Seabirds**

28. Paragraph 4 of CMM-2007-04 states that “For research and reporting purposes, CCMs with longline vessels that fish in the Convention Area area south of 30°S or north of 23°N shall submit to the Commission in part 2 of its annual report for 2007 (due in 2008) information describing which of the mitigation measures in Table 1 they require or will require their vessels to use, as well as the technical specifications for each of those mitigation measures. Each such CCM shall also include in its annual reports for subsequent years any changes it has made to its required mitigation measures or technical specifications for those measures.” As noted in Table 2, three CCMs have provided information about mitigation measures to the Secretariat under the now-rescinded CMM-2006-02, and these three CCMs and another CCM have provided the information required under paragraph 4 of CMM-2007-04 in their respective Annual Report (Part 2) for 2007.

### **Conservation and Management Measure for Swordfish in the South West Pacific**

29. Paragraph 4 of CMM-2006-03 states, in part, that “...CCMs shall provide information to the Commission, by 1 May 2007, on the number of their vessels that have fished for swordfish in the Convention Area south of 20°S, during the period 2000-2005, and in doing so, nominate the maximum number of vessels that shall continue to be permitted to fish for swordfish in the area south of 20°S.” At the time of writing this paper, the Secretariat has received this information from Australia, Belize, Cook Islands, EU, Korea, New Caledonia, New Zealand, Chinese Taipei and the U.S. A summary of the responses relating to CMM-2006-03 received by the Secretariat is presented in **Attachment 2**.

30. In relation to CMM-2006-03, Vanuatu has provided monthly longline catches (mt) of swordfish taken south of 20°S for the period 2002-2005 but not the number of vessels involved.

### **Conservation and Management Measure for Striped Marlin in the Southwest Pacific**

31. Paragraph 4 of CMM-2006-04 states, in part, that "...CCMs shall provide information to the Commission, by 1 July 2007, on the number of their vessels that have fished for striped marlin in the Convention Area south of 15°S, during the period 2000-2004, and in doing so, nominate the maximum number of vessels that shall continue to be permitted to fish for striped marlin in the area south of 15°S. CCMs shall report annually to the Commission the catch levels of their fishing vessels that have taken striped marlin as a bycatch as well as the number and catch levels of vessels fishing for striped marlin in the Convention Area south of 15°S."

32. At the time of writing this paper, the Secretariat has received information from Australia, Cook Islands, Korea, New Caledonia, Chinese Taipei and the U.S on the respective numbers of vessels that have fished for striped marlin in the Convention Area south of 15°S, during the period 2000-2004. The Secretariat has received information from New Caledonia and the U.S. on the catch levels of fishing vessels that have taken striped marlin as a bycatch as well as the number and catch levels of vessels fishing for striped marlin in the Convention Area south of 15°S. Vanuatu has provided monthly longline catches (mt) of striped marlin taken south of 15°S for the period 2002-2005 but not the number of vessels involved.

33. A summary of the responses relating to CMM-2006-04 received by the Secretariat is presented in **Attachment 3**.

### **Annual report to the Commission**

34. At TCC1 in 2005 CCMs agreed to provide an Annual Report to the Commission, the purpose of which is to report relevant information to the Commission on their respective fishing activities during the preceding calendar year, and management and compliance issues during the present year.

#### *Annual Report (Part 1)*

35. Part 1 of the Annual Report relating to information on fisheries, research and statistics was to have been submitted by 13 July 2008 or one month before the Fourth Regular Session of the Scientific Committee (SC4). While many of the Part 1 reports were submitted well after the due date, at the conclusion of the SC4 meeting, the Secretariat had received Part 1 reports from 26 CCMs.

#### *Annual Report (Part 2)*

36. In relation to the format of Part 2 of the Annual Report, WCPFC3 endorsed TCC2's recommendations that:

- a. the revised template for Part 2 of the Annual Report (Attachment K of the WCPFC3 Summary Report) be adopted for future reports;
- b. Part 2 of the Annual Report be completed on a calendar year basis and submitted to the Secretariat by 31 July each year;
- c. the Commission invite the SC to review Part 1 of the Annual Report in light of its relationship with Part 2, including its consistencies (such as reporting periods and submission times); and
- d. the Secretariat be tasked with preparing guidelines, including minimum standards, for the completion of Part 2 of the Annual Report. These guidelines should be focused to ensure that a minimum level of consistency is achieved without being overly prescriptive.

37. Part 2 of the report relating to management and compliance covering the period 1 January-31 December 2007 was to be submitted by 31 July 2008.

38. In relation to "d" above, the Secretariat circulated a set of guidelines to CCMs in mid-May 2007.

39. TCC4 reviewed the issue of Annual Report (Part 2) templates and agreed that the Secretariat issue enhanced guidelines to which will be attached the current templates that have been considered by TCC. CCMs will be invited at WCPFC5 to propose a template for 2009.

40. Preparation of the Annual Report provides an ideal opportunity for CCMs to report progress on the following issues:

- a. CCMs' implementation of the IPOA-Seabirds, including, as appropriate, the status of their National Plans of Action for Reducing Incidental Catches of Seabirds in Longline Fisheries (CMM-2007-04);
- b. Resolution-2005-04 'Resolution to Mitigate the Impact of Fishing for Highly Migratory Fish Species on Sea Turtles' (Beginning in 2006, CCMs shall include in their Annual Report to the Commission [Part 2] a report on the steps taken to implement this resolution);
- c. Progress by concerned CCMs with the development of a comprehensive catch documentation scheme covering all catch; and
- d. Progress by CCMs with efforts to exercise reasonable restraint in expanding fishing effort on the south-west Pacific swordfish stock<sup>2</sup>.

41. The Secretariat had received 14 Part 2 Reports for the period 1 January-31 December 2007 from CCMs prior to TCC4. At the time of writing of this paper 28 Part 2 Reports for this period had been received.

#### *Outstanding Annual Reports*

42. WCPFC4 was advised that:

- a. Part 1 of the Annual Report by CCMs was submitted to the Commission for 2006 by 24 CCMs, although six (6) reports were outstanding at the time of WCPFC4; and
- b. Part 2 of the Annual Report by CCMs for 2006 was received from 20 CCMs.

43. In addition to these outstanding reports for 2006, six (6) CCMs were yet to submit Annual Reports (Part 2) to the Commission for 2005. The Chair urged all CCMs with outstanding reports to submit them to the Secretariat as soon as possible.

44. Table 8 lists the numbers of Annual Reports that have been provided to the Secretariat to date with the numbers of outstanding reports in parenthesis.

45. WCPFC5 is invited to note, and provide advice and recommendations, as appropriate, in relation to:

- a. the different formats used by CCMs for the provision of vessel information for the WCPFC Record of Fishing Vessels (para.5 above);
- b. the provision of a WIN (para.6);
- c. details of fishing areas (para.7);
- d. details regarding active/inactive vessels (para.9);
- e. the requirements of paragraph 10;
- f. the referral to TCC4 for consideration of the original proposal by Marshall Islands (as amended) regarding whether or not (and how) to allow the operation of non-CCM flagged carrier and bunker vessels on the high seas in the Convention Area (para.12);
- g. the extension of the current exemption in relation to non-CCM flag carriers and bunkers (para.12);

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<sup>2</sup> WCPFC5 is invited to note that CMM-2006-03 is scheduled for revision in 2008 on the basis of advice from the Scientific Committee.

- h. information relating to an authorization to fish (para.14);
- i. the proposal to develop an online data entry system for the WCPFC Record of Fishing Vessels (para.17);
- j. bilateral and multilateral partnership agreements registered with the Commission (para.18);
- k. note Tables 1, 2 and 3 of Appendix 1 in relation to purse seine fishing effort and longline catches relative to the provisions of CMM-2005-01 and information for other commercial fisheries in respect of CMM-2006-01;
- l. note five (5) FAD management plans have been received by the Secretariat (para.21);
- m. note four (4) catch retention plans have been received by the Secretariat (para. 22);
- n. except for Australia, Belize, New Caledonia and New Zealand, the lack of information available to the Secretariat in relation to CMM 2005-02 (para.23);
- o. the lack of consistency in information received from CCMs in respect of the reporting requirements provided for in CMM-2005-03 (para.27);
- p. note three (3) CCMs responded to the requirements of CMM-2006-02 in respect of seabird mitigation, and that these three CCMs and another CCM have responded, during 2008, to the requirements of CMM 2007-04 (para.28);
- q. that nine (9) CCMs provided information on the number of vessels that fished for swordfish in the south west Pacific consistent with CMM-2006-03 (para.29);
- r. that five (5) CCMs provided information on the number of vessels that fished for striped marlin in the south west Pacific consistent with CMM-2006-04 (para.32);
- s. the late submission of Part 1 reports by many CCMs, although 26 were received by the end of SC4 (para.35);
- t. the late submission of Part 2 reports for 2008; only 14 were received prior to TCC4. This makes any analysis of the information contained in Part 2 reports in advance of TCC extremely difficult – for both CCMs and the Secretariat (para.41); and
- u. the number of Part 1 and Part 2 reports outstanding for previous years (para.44).



**Table 1 Conservation and Management Measures of the Western and Central Pacific Fisheries Commission, as of 28 August 2008**

<b>Conservation and Management Measure</b>	<b>Symbol</b>	<b>Date Adopted</b>	<b>Date Entered into Force</b>
Resolution on expansion of fishing effort and capacity (MHL CIV, February 1999)			
Resolution on expansion of fishing effort and capacity (MHL CV, September 1999)			
Resolution relating to illegal, unreported and unregulated fishing and limits on fishing capacity (PrepCon3, November 2002)			
Resolution on reduction of overcapacity	Resolution-2005-02		
Resolution on reduction of non-target fish species	Resolution-2005-03		
Record of Fishing Vessels and Authorization to Fish	CMM-2004-01	8 Dec. 2004	8 Feb. 2005
Cooperating Non-Members	CMM-2004-02	8 Dec. 2004	8 Feb. 2005
Specifications for the Marking and Identification of Fishing Vessels	CMM-2004-03	8 Dec. 2004	8 Feb. 2005
Resolution on Conservation and Management Measures	CMM-2004-04		
Conservation and Management Measures for Bigeye and Yellowfin Tuna in the Western and Central Pacific Ocean	CMM-2005-01	16 Dec. 2005	16 Feb. 2006
Conservation and Management Measure for South Pacific Albacore	CMM-2005-02	16 Dec. 2005	16 Feb. 2006
Conservation and Management Measure for North Pacific Albacore	CMM-2005-03	16 Dec. 2005	16 Feb. 2006
Conservation and Management Measures for Bigeye and Yellowfin Tuna in the Western and Central Pacific Ocean	CMM-2006-01	15 Dec. 2006	15 Feb. 2007
Conservation and Management Measure to Mitigate the Impact of Fishing for Highly Migratory Fish Stocks on Seabirds	CMM-2006-02	15 Dec. 2006	15 Feb. 2007
Conservation and Management Measure for Swordfish in the South West Pacific	CMM-2006-03	15 Dec. 2006	15 Feb. 2007
Conservation and Management Measure for Striped Marlin in the Southwest Pacific	CMM-2006-04	15 Dec. 2006	15 Feb. 2007
Conservation and Management Measure for Sharks in the Western and Central Pacific Ocean	CMM-2006-05	15 Dec. 2006	15 Feb. 2007
Commission Vessel Monitoring System	CMM-2006-06	15 Dec. 2006	15 Feb. 2007
Conservation and Management Measure for the Regional Observer Programme	CMM-2006-07	15 Dec. 2006	15 Feb. 2007
Western and Central Pacific Fisheries Commission Boarding and Inspection Procedures	CMM-2006-08	15 Dec. 2006	15 Feb. 2007
Conservation Measure to Establish a List of Vessels Presumed to Have Carried Out Illegal, Unreported and Unregulated Fishing Activities in the Western and Central Pacific Ocean	CMM-2006-09	15 Dec. 2006	15 Feb. 2007
Conservation and Management Measure for the Regional Observer Programme	CMM-2007-01	15 Dec. 2007	15 Feb. 2008
Revision of CMM-2006-06 to include the requirement that vessels in the Convention Area must maintain VMS transmission even while beyond the Commission boundaries at 20°N and 175°E.	CMM-2007-02	15 Dec. 2007	15 Feb. 2008
IUU Fishing (Replacement of entire text of CMM-2006-09)	CMM-2007-03	15 Dec. 2007	15 Feb. 2008
Revision of CMM-2006-02 for mitigating the impact of fishing on seabirds	CMM-2007-04	15 Dec. 2007	15 Feb. 2008

<b>Table 2</b>		<b>Summary of CCMs' compliance with reporting obligations under WCPFC Measures</b>	
<b>Conservation and Management Measure</b>	<b>Title</b>	<b>Reporting obligation</b>	<b>Number of reports received to date</b>
CMM-2004-01	Record of Fishing Vessels and Authorisation to Fish	Additions and deletions to National Record	133
CMM-2005-01	Conservation and Management Measures for Bigeye and Yellowfin Tuna in the Western and Central Pacific Ocean	Regional or bilateral agreements or arrangements	12
		Development plans for developing skipjack fisheries	1
CMM-2005-03	Conservation and Management Measure for North Pacific Albacore	Six-monthly reports of all catches	10
CMM-2006-01	Conservation and Management Measures for Bigeye and Yellowfin Tuna in the Western and Central Pacific Ocean (to be read as part of CMM-2005-01)	FAD Management Plans*	5
		Catch Retention Plans	4
CMM-2006-02 (rescinded)	Conservation and Management Measure to Mitigate the Impact of Fishing for Highly Migratory Fish Stocks on Seabirds	Mitigation measures	3
CMM-2006-03	Conservation and Management Measure for Swordfish in the South West Pacific	Reports of vessel numbers that fished from 2000-2005	8
CMM-2006-04	Conservation and Management Measure for Striped Marlin in the South West Pacific	Reports of vessel numbers that fished from 2000-2004	4
CMM-2007-04	Conservation and Management Measure to Mitigate the Impact of Fishing for Highly Migratory Fish Stocks on Seabirds	Mitigation measures and technical specifications for each of those mitigation measures.**	4

\* 1 January 2008 deadline

\*\* 31 July 2008 deadline (in Part 2 of Annual Report)

**Table 3** **Date of submission of national vessel records by CCMs and non-CCMs**  
**(\*Legible colour photographs provided)**

<b>CCMs and Non-CCMs</b>	<b>Date of first submission</b>	<b>Dates of further submissions</b>
Australia	29 Nov. 2005	May 2008, 25 Jul. 2008, 16 Sep. 2008
Belize	05 Mar. 2008*	27 Jun. 2008, 15 Jul. 2008*, 12/24 Sep. 2008*
Canada	31 May 2007	13 Jun. 2007, 8 Aug. 2007
China	29 Sep. 2005	Nov. 2005, Jun./Jul. 2006, Feb. 2007, Jan. 2008*, Mar. 2008*, Apr. 2008*, May. 2008*, 25 Jun. 2008, 27 Jun. 2008, 7 Jul. 2008*, 14 Aug. 2008*, 19 Aug. 2008, Sep.2008*, 05/06/13/18 Nov. 2008*
Chinese Taipei	24 Aug. 2005	Oct. 2006, Aug. 2007, Feb. 2008, Mar. 2008, 30 Apr. 2008, 6 May 2008, 15 May 2008*, 20 May 2008*, 21 May 2008*, 4 Jun. 2008, 24 Jun. 2008*, 25 Jun. 2008*, 3 Jul. 2008*, 10 Jul. 2008*, 22 Jul. 2008*, 6 Aug. 2008*, 14 Aug. 2008*, 18 Aug. 2008*, 22 Aug. 2008*, 25 Aug. 2008*, 26 Aug. 2008*, 27 Aug. 2008, Sep.2008*, 15/21/22/30 Oct. 2008* 01, 14 Nov. 2008*
Cook Islands	20 Aug. 2005	Oct. 2005, Aug./Sep.2007, Feb./Mar. 2008*, 1 Jul. 2008, 09 Oct. 2009*
Ecuador	25 Jan. 2008	11 Feb. 2008*, 04 Mar. 2008, 11 Mar. 2008, 15 Apr. 2008, 14 Oct. 2008*
El Salvador	25 Jan. 2008	03 Feb. 2008*, 04 Mar. 2008, 11 Mar. 2008
European Union	05 Jul. 2006*	Jul./Oct./Dec*. 2006, May/Jul.* 2007, Jan./Feb. 2008*, May 2008
FSM	28 Nov. 2005	Jul./Aug. 2007, Apr./May 2008, Jun. 2008, Aug. 2008, 17 Oct. 2008*, 17 Nov. 2008
French Polynesia	19 Sep. 2006	Nil
Fiji	01 May 2006	Sep./Nov. 2007, Jan. 2008, Jul. 2008*, Aug. 2008*, Sep.2008*, 31 Oct. 2008*
Indonesia(East Pac)	26 Sep 2008	17 Nov. 2008
Japan	01 Jul. 2005	Nov. 2005*, Jun./Jul. 2006, Apr/Jun./Aug. 2007, Feb./Mar. 2008*, May 2008*, Jun. 2008, Jul. 2008, Aug. 2008*, 25/29 Sep. 2008*, 16 Oct. 2008*, 11 Nov. 2008*
Kiribati	21 Sep. 2007	Feb. 2008*, Mar. 2008*, May 2008*, Jul. 2008, Sep.2008*, 13/18 Oct. 2008*
Korea	01 Jul. 2005	Jun. 2006*, Oct./Nov./Dec. 2007, Jan./Mar. 2008, Apr. 2008, Jun. 2008*, Jul. 2008*, Aug. 2008*, Sep. 2008*, 04/10 Nov. 2008*
Marshall Islands	01 Jun. 2006	18 Aug. 2008*, 04 Oct. 2008*
New Caledonia	13 Oct. 2005	Nov. 2005*, Jun./Jul./Aug. 2006*, 12 May 2008*, 21 Sep. 2008
New Zealand	08 Aug. 2005	Oct. 2005, Sep. 2006, May/Aug.*/Nov./Dec. 2007, Feb. 2008*, Apr. 2008*, May 2008*, 6 Jun. 2008*
Panama	25 Jan. 2008*	15 Apr. 2008
Papua New Guinea	26 Apr. 2006	Jun./Nov./Dec. 2007, Feb./Mar. 2008
Philippines	30 Jun. 2005	Oct. 2005*, Apr./Oct. 2007*, 17 Nov. 2008
Solomon Islands	31 Oct. 2006	Jul. 2007, Sep. 2008*, 11 Oct. 2008
Tonga	25 Feb. 2006	Jul. 2007
Tuvalu	21 May 2008*	21 May 2008*

United States of America	27 Oct. 2005	06 Dec. 2006*, Apr./Oct./Nov./Dec. 2007*, Jan./Feb.*/Mar. 2008, Apr./May/June/July. 2008, Sep.2008*, 24 Oct. 2008*, 07 Nov. 2008*
Vanuatu	09 May 2006	Aug. 2006, Sep./Oct./Nov. 2007, Jan./Feb. 2008, May 2008, Sep.2008, 14 Oct. 2008*

**Table 4 Summary of information relating to vessel records and authorizations to fish submitted by CCMs and non-CCMs as of 19 November 2008**

CCM	Total	Longline		Pole & Line		Purse Seine		Troll		Reefer		Other	
		>=24	<24	>=24	<24	>=24	<24	>=24	<24	>=24	<24	>=24	<24
Australia	124	13	56	0	0	7	2	0	0	1	0	3	42
Belize	6	6	0	0	0	0	0	0	0	0	0	0	0
Canada	2884	6	1	0	0	0	8	0	152	0	0	47	2670
China	309	276	13	0	0	10	0	0	0	10	0	0	0
Chinese Taipei	2012	709	1174	0	0	34	0	0	0	27	0	1	67
Cook Islands	30	18	11	0	0	0	0	1	0	0	0	0	0
Ecuador	7	0	0	0	0	7	0	0	0	0	0	0	0
El Salvador	2	0	0	0	0	2	0	0	0	0	0	0	0
European Union	121	49	0	0	0	54	0	1	0	12	0	5	0
French Polynesia	95	14	81	0	0	0	0	0	0	0	0	0	0
FSM	33	14	12	0	0	5	0	0	0	1	0	1	0
Fiji	49	46	3	0	0	0	0	0	0	0	0	0	0
Japan	1610	546	330	127	6	230	6	0	0	1	0	53	311
Kiribati	22	1	0	0	0	1	0	0	0	16	0	4	0
Korea	279	202	0	0	0	57	1	0	0	16	0	3	0
Marshall Islands	20	4	0	0	0	5	0	0	0	11	0	0	0
New Caledonia	27	2	25	0	0	0	0	0	0	0	0	0	0
New Zealand	12	4	3	0	0	4	0	0	0	0	0	0	1
PNG	33	12	12	0	0	6	0	0	0	0	0	3	0
Philippines	610	28	0	0	0	107	2	0	0	224	147	90	12
Solomon Islands	4	0	0	0	0	4	0	0	0	0	0	0	0
Tonga	6	5	1	0	0	0	0	0	0	0	0	0	0
Tuvalu	1	0	0	0	0	0	0	0	0	0	0	0	1
U.S.A.	463	131	0	21	1	36	0	0	238	0	0	36	0
Vanuatu	87	53	8	2	0	22	1	0	0	0	0	0	1
Total	8846												
Greater than 24m	3447	2139		150		591		2		319		246	
Less than 24m	5399		1730		7		20		390		147		3105

<b>Table 5</b>	<b>Proportion of incomplete vessel records by information type as of TCC4</b>
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<b>Operative paragraph of CMM-2004-01</b>	<b>Information type</b>	<b>Proportion of incomplete vessel records (per cent)</b>
5(b)	Name and address of owner or owners	36
5(e)	International Radio Call Sign	42
5 (g)	Colour photograph of the vessel	68
5(r)	The form and number of the authorization granted by the flag State including any specific areas, species and time periods for which it is valid.	82

**Table 6: Regional or bilateral fisheries partnership arrangements or agreements, pursuant to CMM-2005-01, 9 August 2007**

No.	Name of Arrangement or Agreement	Information Source	Date Submitted	No. of vessels	Type of vessels
1.	Parties to the Federated States of Micronesia Arrangement For Regional Fisheries Access	Mr Afelee Pita Chair Parties to the FSM Arrangement	18 Sep. 2006	36 (Partly subject to the Vessel Days Scheme)	Purse Seine
2.	The Treaty on Fisheries Between the Governments of Certain Pacific Island States and the Government of the United States of America	Mr Kila Karo Acting Secretary Department of Foreign Affairs and Immigration Port Moresby Papua New Guinea	25 Sep. 2006	USA – 40 (As of Sep. 2006 only 12 licences utilised)	Purse Seine
3.	Partnership Agreement between the European Community and Solomon Islands on fishing off Solomon Islands	Mr John Spencer Head of the EC Delegation to WCPFC Brussels Belgium	21 Nov. 2006	Spain – 3 France – 1	Freezer Tuna Seiners
				Spain – 6 Portugal – 4	Surface Longliners
4.	Partnership Agreement between the European Community and the Republic of Kiribati on fishing within the Kiribati fishing zone	Mr John Spencer Head of the EC Delegation to WCPFC Brussels Belgium	21 Nov. 2006	Year One – 6 Following Years – 4	Purse Seine
				Year One – 12 Following Years – 12	Longline
5.	Partnership Agreement between the European Community and the Federated States of Micronesia on fishing in the Federated States of Micronesia	Mr John Spencer Head of the EC Delegation to WCPFC Brussels Belgium	21 Nov. 2006	First 3 Years -6	Purse Seine
				First 3 Years – 12	Longline
6.	Bilateral Agreement between Korea and the Federated States of Micronesia	Mr Chiguk Ahn MOMAF Seoul Korea	4 Dec. 2006	Up to maximum of 27	Purse Seine
7.	Bilateral Agreement between Korea and the Republic of the Marshall Islands	Mr Chiguk Ahn MOMAF	4 Dec. 2006	Up to the number allowed under the	Purse Seine

		Seoul Korea		Palau Arrangement	
8.	Bilateral Agreement between Korea and the Republic of Nauru	Mr Chiguk Ahn MOMAF Seoul Korea	4 Dec. 2006	28	Purse Seine
9.	Bilateral Agreement between Korea and Papua New Guinea	Mr Chiguk Ahn MOMAF Seoul Korea	4 Dec. 2006	27 plus additional vessels provided for under the Palau Arrangement	Purse Seine
10.	Bilateral Agreement between Korea and Solomon Islands	Mr Chiguk Ahn MOMAF Seoul Korea	4 Dec. 2006	Unlimited	Purse Seine
11.	Bilateral Agreement between Korea and the Republic of Kiribati	Mr Chiguk Ahn MOMAF Seoul Korea	4 Dec. 2006	87 plus additional vessels (unlimited)	Purse Seine and Longline
12.	Tokelau's Bilateral Agreement with Far Seas Tuna Fisher's Association of New Zealand	Mr Mose Pelasio Acting Director Economic Development, Natural Resources and Environment Tokelau	8 Dec. 2006	Not Supplied	Purse Seine



**Table 7: NUMBERS OF CCM-FLAG VESSELS THAT HAVE FISHED FOR SOUTH PACIFIC ALBACORE IN THE CONVENTION AREA SOUTH OF 20°S DURING THE PERIOD 2000 – 2007**

<b>Year</b>	<b>Australia</b>	<b>Belize</b>	<b>New Caledonia<sup>c</sup></b>	<b>New Zealand</b>
<b>2000</b>	139			
<b>2001</b>	137			
<b>2002</b>	135			
<b>2003</b>	130			
<b>2004</b>	120	2 <sup>a</sup>	27	
<b>2005</b>	95		23	
<b>2006</b>	55		21	
<b>2007</b>	61	1 <sup>b</sup>	23	197 <sup>d</sup>

<sup>a</sup>See Belize Annual Report (Part 2) dated 1 September 2008.

<sup>b</sup>See Belize catch and effort data (by-catch) reported to the Commission on 29 April 2008.

<sup>c</sup>See New Caledonia Annual Report (Part 2) for the period 1 January-31 December 2007.

<sup>d</sup>See New Zealand Annual Report (Part 2) for the period 1 January-31 December 2007.

**Table 8: Number of Annual Reports Submitted (outstanding reports in parenthesis)**

**Annual Report (Part 1)**

<b>Submission Date</b>	<b>Reporting Period</b>	<b>Number of Reports</b>
07 Jul. 2006	Previous year	29(2)
31 Jul. 2007	1 Jan.-31 Dec. 2006	29(3)
31 Jul. 2008	1 Jan.-31 Dec. 2007	30(3)

**Annual Report (Part 2)**

<b>Submission Date</b>	<b>Reporting Period</b>	<b>Number of Reports</b>
28 Aug. 2006	Previous year	25(5)
31 Jul. 2007	1 Jan.-31 Dec. 2006	24(6)
31 Jul. 2008	1 Jan.-31 Dec. 2007	28(1)

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

EEZ	Fleet Category	Arch. Waters	2001	2002	2003	2004	Av. 2001-2004	CMM 2005-01	2005	2006	2007 (prov.)
COOK ISLANDS			46	232	8	6	73	73	4	8	2
FIJI			9	5	9	27	13	27	36	7	7
FRANCE (FRENCH POLYNESIA)			0	2	0	0	1	1	0	0	0
FRANCE (WALLIS AND FUTUNA)			5	3	4	0	3	3	4	0	1
INDONESIA			4,270	4,316	4,978	6,522	5,022	6,522	6,580	6,808	6,498
NIUE			0	0	1	0	0	0	0	0	0
PHILIPPINES			3,620	3,861	5,367	5,603	4,613	5,603	5,255	5,290	5,787
SAMOA			7	12	3	4	7	7	3	1	4
TOKELAU			99	401	27	67	149	149	127	34	37
TONGA			2	0	0	1	1	1	1	0	0
USA			388	595	279	346	402	402	185	237	110
VANUATU			2	2	0	23	7	23	1	1	0
FSM	DWFN	ex-AW	3,643	2,343	6,264	5,380	4,408	5,380	6,836	5,262	4,335
FSM	Domestic	ex-AW	204	178	238	144	191	191	409	269	237
FSM	FSMA	ex-AW	333	279	694	874	545	874	1,079	981	950
FSM	USMLT	ex-AW	98	16	296	61	118	118	81	24	139
FSM	VU	ex-AW	13	13	155	112	73	112	91	71	108
KIRIBATI	DWFN	ex-AW	4,995	7,744	1,767	1,497	4,001	4,001	2,830	3,318	2,163
KIRIBATI	FSMA	ex-AW	1,157	1,432	904	1,078	1,143	1,143	1,249	1,186	1,072
KIRIBATI	Domestic	ex-AW	18	25	4	16	16	16	0	5	20
KIRIBATI	USMLT	ex-AW	2,156	2,205	865	1,238	1,616	1,616	1,262	666	640
KIRIBATI	VU	ex-AW	103	227	294	430	264	430	846	298	351
MARSHALL IS.	DWFN	ex-AW	1,449	1,320	151	385	826	826	240	382	102
MARSHALL IS.	FSMA	ex-AW	157	96	17	127	99	127	132	186	21
MARSHALL IS.	Domestic	ex-AW	152	100	69	192	128	192	107	34	176
MARSHALL IS.	USMLT	ex-AW	88	6	36	20	38	38	104	15	21
MARSHALL IS.	VU	ex-AW	11	33	9	43	24	43	93	50	114

EEZ	Fleet Category	Arch. Waters	2001	2002	2003	2004	Av. 2001-2004	CMM 2005-01	2005	2006	2007 (prov.)
NAURU	DWFN	ex-AW	1,814	2,592	680	1,594	1,670	1,670	1,158	1,597	899
NAURU	FSMA	ex-AW	366	590	295	576	457	576	479	423	599
NAURU	USMLT	ex-AW	95	237	270	326	232	326	182	63	106
NAURU	VU	ex-AW	57	65	36	116	69	116	139	79	163
PNG	DWFN	ex-AW	3,419	3,768	9,057	8,098	6,086	8,098	8,099	8,850	9,952
PNG	FSMA	ex-AW	147	214	770	547	420	547	462	408	229
PNG	Domestic	ex-AW	1,127	1,201	2,263	2,291	1,721	2,291	2,558	2,711	2,940
PNG	USMLT	ex-AW	479	129	1,169	184	490	490	88	321	404
PNG	VU	ex-AW	0	0	9	32	10	32	180	504	441
PNG	DWFN	AW	171	46	175	101	123	123	107	472	1,332
PNG	FSMA	AW	0	1	5	2	2	2	4	3	2
PNG	Domestic	AW	2,025	2,006	2,788	2,228			3,823	2,959	3,165
PNG	USMLT	AW	67	17	305	4			0	3	7
PNG	VU	AW	0	0	1	0			4	11	1
PALAU	DWFN	ex-AW	6	1	99	122			74	122	42
PALAU	FSMA	ex-AW	2	7	12	60			7	13	4
PALAU	USMLT	ex-AW	4	0	23	1	7	7	0	0	0
SOLOMON IS.	DWFN	ex-AW	619	96	629	1,494	710	1,494	1,738	1,824	1,892
SOLOMON IS.	FSMA	ex-AW	38	9	434	458	235	458	620	358	358
SOLOMON IS.	Domestic	ex-AW	141	97	108	112	115	115	153	348	212
SOLOMON IS.	USMLT	ex-AW	22	8	478	360	217	360	83	352	131
SOLOMON IS.	VU	ex-AW	26	5	81	165	69	165	146	209	237
SOLOMON IS.	DWFN	AW	16	0	8	28	13	28	20	13	13
SOLOMON IS.	FSMA	AW	1	0	7	2	3	3	3	2	0
SOLOMON IS.	Domestic	AW	134	148	264	336	221	336	380	396	433
SOLOMON IS.	USMLT	AW	0	0	0	2	1	2	0	1	2
SOLOMON IS.	VU	AW	0	0	1	140	35	140	259	3	157
TUVALU	DWFN	ex-AW	170	339	103	329	235	329	118	206	551
TUVALU	FSMA	ex-AW	66	67	2	48	46	48	26	24	20

EEZ	Fleet Category	Arch. Waters	2001	2002	2003	2004	Av. 2001-2004	CMM 2005-01	2005	2006	2007 (prov.)
TUVALU	USMLT	ex-AW	725	860	157	583	581	583	314	425	228
TUVALU	VU	ex-AW	2	2	0	51	14	51	45	16	24
PNA EEZs - TOTAL			26,316	28,522	31,992	31,987	29,704	31,987	36,628	35,463	34,993
PNA - FSMA			2,266	2,694	3,128	3,768	2,944	3,773	4,054	3,579	3,253
PNA - USMLT			3,667	3,461	3,294	2,773	3,299	3,538	2,114	1,866	1,669
PNA - DWFNs			16,115	18,203	18,750	18,899	17,935	21,798	21,093	21,561	19,936
PNA - Domestic			1,642	1,601	2,682	2,755	2,170	2,805	3,227	3,367	3,585
PNA - VU			212	345	584	949	523	949	1,540	1,227	1,438
Archipelagic waters			2,414	2,218	3,554	2,843	397	634	4,600	3,863	5,112
TOTAL			34,764	37,951	42,668	44,586	39,992	44,797	48,824	47,849	47,439

**Notes:**

1. Source: Raised logsheet data.
2. The column labeled "CMM-2005-01" does not take into account paragraph 6 and footnote 1 of CMM 2005-01
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 5 of CMM 2005-01 using the best information available to SPC-OFP.
4. Purse-seine days for Indonesia and the Philippines 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)
5. "Domestic" refers to PNA-flagged effort in their home EEZ
6. "DWFN" refers to those vessels that are not "Domestic" or flagged to Vanuatu, or fishing under the USMLT or FSMA
7. "FSMA" refers to PNA-flagged vessels that are not fishing in their home EEZ
8. "USMLT" refers to the US purse seine fleet operating under the US Multilateral treaty
- p. "VU" refers to the bilateral Vanuatu fleet
9. "ex-AW" refers to the effort in this PNA-member EEZ excluding the Archipelagic Waters
10. "AW" refers to the effort in this PNA-member's Archipelagic Waters

Source: SPC-OFP

**Table 2. Purse seine days fished in international waters in the WCPFC-CA between 20°N and 20°S, by flag.**

Flag	2001	2002	2003	2004	Av. 2001-2004	CMM 2006-01	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	69	0	0	0	17	17	30	310	159
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
<b>TOTAL</b>	<b>7,671</b>	<b>8,275</b>	<b>8,432</b>	<b>10,437</b>	<b>8,704</b>	<b>10,544</b>	<b>8,664</b>	<b>6,614</b>	<b>7,669</b>

**Notes:**

1. Source: Raised logsheet data.
2. The column labeled "CMM-2006-01" does not take into account paragraph 6 and footnote 1 of CMM 2005-01
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 5 of CMM 2005-01 using the best information available to SPC-OFP.
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)

Source: SPC-OFP

**Table 3. 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.	CMM	2005	2006	2007
					2001-2004	2005-01			(prov.)
AMERICAN SAMOA	75	196	242	227	185	2,000	134	181	198
AUSTRALIA	1,307	1,002	1,024	892	1,056	2,000	791	563	777
BELIZE	1,322	812	782	297	803	2,000	425	254	158
CHINA	2,227	2,312	8,965	9,314	5,705	9,314	6,399	9,790	7,821
CHINESE TAIPEI	12,435	16,645	13,345	20,992	15,854	15,854	15498	14,295	14,760
COOK ISLANDS	1	56	204	394	164	2,000	220	166	189
EUROPEAN COMMUNITY	0	0	0	42	11	2,000	17	62	0
FIJI	662	853	889	1254	915	2,000	423	771	639
FRANCE (FRENCH POLYNESIA)	745	649	439	502	584	2,000	606	498	481
FRANCE (NEW CALEDONIA)	128	189	142	90	137	2,000	76	35	53
FSM	651	759	656	542	652	2,000	182	172	1,394
INDONESIA	659	711	625	8413	2,602	2,602	7707	10,317	10,197
JAPAN	27,466	29,574	26,110	29,248	28,100	28,100	23,020	26,876	26,876
KIRIBATI	0	0	0	0	0	2,000	0	0	0
MARSHALL ISLANDS	0	0	0	1	0	2,000	0	0	3
NAURU	6	3	10	0	5	2,000	0	0	0
NEW ZEALAND	481	201	204	177	266	2,000	175	177	213
NIUE	0	0	0	0	0	2,000	10	0	0
PALAU	21	1	1	7	8	2,000	0	0	0
PAPUA NEW GUINEA	240	318	390	392	335	2,000	211	134	144
PHILIPPINES	264	310	394	403	343	2,000	729	804	927
REPUBLIC OF KOREA	22,172	28,533	17,151	17,941	21,449	21,449	15622	12,489	10,054
SAMOA	185	137	110	104	134	2,000	64	128	101
SOLOMON ISLANDS	187	393	967	357	476	2,000	357	357	357
TONGA	191	215	94	40	135	2,000	125	117	129
USA	2,418	4,396	3,618	4,181	3,653	4,181	4,462	4,381	5,416
VANUATU	17	396	841	1,862	779	2,000	1,558	2,145	1,574
<b>Total</b>	<b>73,860</b>	<b>88,661</b>	<b>77,203</b>	<b>97,672</b>	<b>84,349</b>	<b>123,500</b>	<b>78,811</b>	<b>84,712</b>	<b>82,461</b>

Source: SPC-OFP

**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. The column labeled "CMM-2005-01" does not take into account paragraph 6 and footnote 1 of CMM 2005-01.
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 2005-01 using the best information available to SPC-OFP.

**Table 4. Estimates of total annual catches of bigeye tuna in the WCPFC Statistical Area for fisheries other than longline and tropical purse seine.**

GEAR	FLAG	BIGEYE								
		2001	2002	2003	2004	Av. 2001-2004	CMM 2006-01	2005	2006	2007 (prov.)
Handline	Indonesia	881	951	835	835	876	2,000	835	835	835
	Philippines (large-fish)	349	336	472	263	355	355	670	555	521
	Philippines (small-fish)	3,659	4,274	5,436	5,548	4,729	5,548	3,078	3,391	3,914
	<b>Total</b>	<b>4,889</b>	<b>5,561</b>	<b>6,743</b>	<b>6,646</b>	<b>5,960</b>	<b>7,903</b>	<b>4,583</b>	<b>4,781</b>	<b>5,270</b>
Pole-and-line	Fiji	0	0	0	0	0	2,000	0	0	0
	French Polynesia	0	0	0	0	0	2,000	0	0	0
	Indonesia	972	1,048	921	5,920	2,215	5,920	5,423	7,260	7,176
	Japan	1,377	1,759	856	3,393	1,846	3,393	1,334	1,345	1,345
	Solomon Islands	0	0	0	0	0	2,000	0	0	37
	USA	0	0	0	0	0	2,000	0	0	0
	<b>Total</b>	<b>2,349</b>	<b>2,807</b>	<b>1,777</b>	<b>9,313</b>	<b>4,062</b>	<b>17,313</b>	<b>6,757</b>	<b>8,605</b>	<b>8,558</b>
Ring-net	Philippines	872	1,753	1,805	1,256	1,422	2,000	564	1,308	902
Purse seine	Japan	285	37	385	311	255	2,000	336	823	713
Troll	USA	226	586	213	381	352	2,000	295	303	321
Unclassified	Australia	0	0	12	23	9	2,000	3	8	21
	Chinese Taipei	1	1	1	1	1	2,000	1	1	1
	French Polynesia	1	2	2	2	2	2,000	0	0	0
	Indonesia	6,275	6,768	5,945	13,711	8,175	13,711	13,198	8,313	8,310
	Japan	208	149	131	104	148	2,000	235	140	140
	Philippines	117	140	190	174	155	2,000	167	184	213
	<b>Total</b>	<b>6,602</b>	<b>7,060</b>	<b>6,281</b>	<b>14,015</b>	<b>8,490</b>	<b>23,711</b>	<b>13,604</b>	<b>8,646</b>	<b>8,685</b>
Total "other fisheries"		15,223	17,804	17,204	31,922	20,538	54,927	26,139	24,466	24,449
Percentage of total WCPFC-CA		13	14	15	20	16		19	18	17

WCPFC Bigeye  
Catch

115,745

130,526

116,956

156,768

138,155

135,726

143,058



**Notes:**

1. Catch estimates in **red** have been carried over from previous years.
2. French Polynesia 'pole-and-line' catches include the *bonitier* and *poti marara* fleets; both use various gear types (pole-and-line, troll, handline, harpoon, gill net).
3. Japan purse seine is north of 20°N.
4. Reference to the level of "*less than 2,000 tonnes*" mentioned in CMM-2006-01 paragraph 1 has been assumed to mean that fisheries taking less than 2,000 t. of bigeye should not exceed 2,000 t. of bigeye.
5. The column labeled "CMM-2006-01" does not take into account paragraph 6 and footnote 1 of CMM 2005-01

Source: SPC-OFP

**Table 5. Estimates of total annual catches of yellowfin tuna in the WCPFC Statistical Area for fisheries other than longline and tropical purse seine.**

GEAR	FLAG	YELLOWFIN								
		2001	2002	2003	2004	Av. 2001-2004	CMM 2006-01	2005	2006	2007 (prov.)
Handline	Indonesia	9,368	10,104	8,875	1,041	7,347	7,347	954	1,277	1,262
	Philippines (large-fish)	8,914	9,943	12,540	13,099	11,124	13,099	12,990	14,498	16,853
	Philippines (small-fish)	38,904	45,406	57,763	58,974	50,262	58,974	51,295	56,524	65,241
	<b>Total</b>	<b>57,186</b>	<b>65,453</b>	<b>79,178</b>	<b>73,114</b>	<b>68,733</b>	<b>79,420</b>	<b>65,239</b>	<b>72,299</b>	<b>83,356</b>
Pole-and-line	Fiji	44	44	44	44	44	2,000	44	44	44
	French Polynesia	84	99	77	142	101	2,000	104	126	126
	Indonesia	8,744	9,432	8,285	11,449	9,478	11,449	10,488	14,041	13,877
	Japan	3,136	3,375	2,866	3,040	3,104	3,104	3,644	3,197	3,197
	Solomon Islands	153	405	655	257	368	2,000	196	734	321
	USA	2	2	33	17	14	2,000	68	3	23
	<b>Total</b>	<b>12,163</b>	<b>13,357</b>	<b>11,960</b>	<b>14,949</b>	<b>13,107</b>	<b>22,553</b>	<b>14,544</b>	<b>18,145</b>	<b>17,588</b>
Ring-net	Philippines	2,727	1,995	3,866	4,560	3,287	4,560	5,979	6,175	6,652
Purse seine	Japan	1,574	1,713	2,424	500	1,553	2,000	1,424	1,617	736
Troll	USA	881	637	784	810	778	2,000	724	545	745
Unclassified	Australia	2	1	5	11	5	2,000	1	3	2
	Chinese Taipei	155	155	155	155	155	2,000	155	155	155
	French Polynesia	264	307	211	379	290	2,000	245	419	419
	Indonesia	56,472	60,913	53,504	18,215	47,276	47,276	16,686	22,337	22,078
	Japan	3,117	2,809	3,043	2,584	2,888	2,888	2,419	2,543	2,543
	Kiribati	250	2,050	1,120	1,120	1,135	2,000	1,120	1,120	4,347
	Philippines	1,236	1,420	1,798	1,849	1,576	2,000	1,775	1,956	2,257
	<b>Total</b>	<b>61,496</b>	<b>67,655</b>	<b>59,836</b>	<b>24,313</b>	<b>53,325</b>	<b>60,164</b>	<b>22,401</b>	<b>28,533</b>	<b>31,801</b>
Total "other fisheries"		136,027	150,810	158,048	118,246	140,783	170,698	110,311	127,314	140,878
Percentage of total WCPFC-CA		32	37	36	31	34		25	29	33

WCPFC  
Yellowfin  
Catch

425,110	408,954	440,869	375,526		436,181	442,290	431,814
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**Notes:**

1. Catch estimates in **red** have been carried over from previous years.
2. French Polynesia 'pole-and-line' catches include the *bonitier* and *poti marara* fleets; both use various gear types (pole-and-line, troll, handline, harpoon, gill net).
3. Japan purse seine is north of 20°N.
4. Unclassified Indonesian catches of yellowfin in 2004 are considerably reduced because these catches were attributed to other gear types, mainly purse seine. This may suggest that unclassified catches prior to 2004 also contain large components by purse seine.
5. 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 domestic purse seine and longline (at the expense of catches in the "unclassified" fisheries) since 2004 than has been reported in previous years.
6. Reference to the level of "*less than 2,000 tonnes*" mentioned in CMM-2006-01 paragraph 1 has been assumed to mean that fisheries taking less than 2,000 t. of yellowfin should not exceed 2,000 t. of yellowfin.
7. The column labeled "CMM-2006-01" does not take into account paragraph 6 and footnote 1 of CMM 2005-01

Source: SPC-OFP

**NUMBERS OF CCM-FLAG VESSELS THAT HAVE FISHED FOR SWORDFISH IN THE CONVENTION AREA SOUTH OF 20°S DURING THE PERIOD 2000 – 2007**

Year	Australia	Belize	Cook Islands	EU	Korea	New Caledonia	New Zealand	Chinese Taipei		USA
								Seasonal	By-catch	
<b>2000</b>	140	0		0	22	15	103	10	41	
<b>2001</b>	<b>159</b>	0		0	22	12	132	10	41	
<b>2002</b>	144	0		0	22	11	<b>151</b>	10	42	
<b>2003</b>	134	0	<b>16</b>	0	<b>24</b>	15	132	<b>12</b>	<b>55</b>	
<b>2004</b>	121	0	15	8	22	<b>25</b>	99	8	39	
<b>2005</b>	100	0	6	<b>14</b>	23	15	57	6	40	
<b>2006</b>	55	0	8		6	0				2
<b>2007</b>	54	1 <sup>^</sup>		15 <sup>*</sup>	4	0	74 <sup>^^</sup>			2

\*See EU Annual Report (Part 1) for the period 1 January – 31 December 2007

<sup>^</sup>See Belize catch and effort data (by-catch) reported to the Commission on 29 April 2008.

<sup>^^</sup>See New Zealand Annual Report (Part 2) for the period 1 January-31 December 2007

## Attachment 3

**NUMBERS OF CCM-FLAG VESSELS THAT HAVE FISHED FOR STRIPED MARLIN IN THE CONVENTION AREA SOUTH OF 15°S DURING THE PERIOD 2000 – 2007 (catch in metric tonnes in parenthesis)**

Year	Australia	Cook Is.	Korea	New Caledonia	Chinese Taipei	Vanuatu	USA
				<b>By-catch</b>			<b>By-catch</b>
<b>2000</b>	140		22	14 (90)	51		
<b>2001</b>	<b>159</b>		26	13 (47)	51		
<b>2002</b>	144		24	24 (35)	52	(36.28)	
<b>2003</b>	134		<b>28</b>	24 (47)	<b>67</b>	(16.94)	
<b>2004</b>	121		28	<b>26</b> (60)	47	(29.82)	
<b>2005</b>	100		7	0		(31.32)	
<b>2006</b>	55	0	7	0			0 (3)
<b>2007</b>	60	0	7	0 (63)*			0 (2)

\*Preliminary data only