LIST OF
SCIENTIFIC COMMITTEE PAPERS

First Meeting of the
SCIENTIFIC COMMITTEE
OF THE
WESTERN AND CENTRAL PACIFIC FISHERIES COMMISSION

WCPFC–SC1

Noumea, New Caledonia
8–19 August 2005

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General


Statistics Specialist Working Group

ST WP–1  Lawson, T. Status of data collection, compilation and dissemination. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.


ST WP–3  Lawson, T. Update on the proportion of bigeye in ‘yellowfin plus bigeye’ caught by purse seiners in the Western and Central Pacific Ocean. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.
ST WP–4  Lawson, T. & P. Williams. Comparison of the species composition of catches by purse seiners in the Western and Central Pacific Ocean determined from observer and other types of data. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.


Methods Specialist Working Group

ME WP–1  Lehodey P. First application of SEAPODYM to Pacific bigeye tuna. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.


ME WP–3  Ahrens, R. & C. Walters. Why are there still large pelagic predators in the oceans?: evidence of severe hyper-depletion in longline catch-per-effort. Fisheries Center, University of British Columbia (BC), Vancouver, B.C. Canada.

ME IP–1  Lehodey P. Reference manual for the Spatial Ecosystem and Populations Dynamics Model SEAPODYM. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.

ME IP–2  (WITHDRAWN)

**Fishing Technology Specialist Working Group**

FT WP–1  Campbell, R. *Measuring effective longline effort in the Australian Eastern Tuna and Billfish Fishery.* CSIRO. Division of Marine Research, Hobart, Australia.


FT WP–4  Itano, D. *A summarization and discussion of technical options to mitigate the take of juvenile bigeye and yellowfin tuna and associated bycatch species found in association with floating objects.* Pelagic Fisheries Research Programme, Honolulu, Hawaii.


FT IP–4  Beverly, S. *Notes on a longline trip in the New Caledonia EEZ using TDRs in combination with remote sensing data (SSH and SST).* Coastal Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.


**Biology Specialist Working Group**

BI WP–1  Sun, Chi-lu, Wei-Ren Wang and Suzan Yeh. *Reproductive biology of yellowfin tuna in the central and western Pacific Ocean.* Institute of Oceanography, National Taiwan University, Chinese-Taipei.

BI WP–2  Allain, V. *Diet of large pelagic predators of the western and central Pacific Ocean.* Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.
BI WP–3  Allain, G. **The influence of the environment on horizontal and vertical bigeye tuna movements investigated by analysis of archival tag records and ecosystem model outputs.** Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.


BI WP–6  Clear, N.P., K. Evans, J. S. Gunn, J. Hampton, S. Bestley, K. Hartmann, T. Patterson & J. Sibert **Movement of bigeye tuna (Thunnus obesus) determined from archival tag light-levels and sea surface temperatures.** Division of Marine Research, CSIRO, Hobart, Tasmania, Australia. Oceanic Fisheries Program, Secretariat of the Pacific Community, Noumea, New Caledonia. Joint Institute of Marine and Atmospheric Research, University of Hawai‘i at Manoa, Honolulu, Hawai‘i, USA.

BI WP–7  Evans, K., N. P. Clear, T. Patterson, J. S. Gunn & J. Hampton. **Behaviour and habitat preferences of bigeye tuna (Thunnus obesus) tagged in the western Coral Sea.** Division of Marine Research, CSIRO, Hobart, Tasmania, Australia. Oceanic Fisheries Program, Secretariat of the Pacific Community, Noumea, New Caledonia.

BI IP–1  WPRFMC. **Except from “Background Paper for Amendment 14 to the Pelagics Fishery Management Plan” – Chapter 1: Bigeye tuna (Thunnus obesus) general description of the species within the Pacific Ocean.** Western Pacific Regional Fishery Management Council (WPRFMC). Honolulu, Hawaii.

**Stock Assessment Specialist Working Group**


SA WP–2-SUP  Hampton, J. & M. Maunder. **Comparison of Pacific-wide, western and central Pacific, and eastern Pacific assessments of bigeye tuna.** Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia. IATTC. Inter-American Tropical Tuna Commission. La Jolla, California, USA.


SA WP–6 Campbell, R. Annual indices of swordfish availability in the south-west Pacific. CSIRO. Division of Marine Research, Hobart, Australia.


SA WP–9 (WITHDRAWN)


SA IP–2 Fonteneau, A. An overview of yellowfin tuna stocks, fisheries and stock status worldwide. IRD. Sete, France.

Ecosystem and Bycatch Specialist Working Group

EB WP–1 Molony, B. Estimates of the mortality of non-target species with an initial focus on seabirds, turtles and sharks. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.

EB WP–2 Molony, B. Summary of the biology, ecology and stock status of billfishes in the WCPFC, with a review of major variables influencing longline fishery performance. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.


EB WP–4 Kirby, D. Prey consumption estimates for tunas in the WCPO. Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.

### EB WP–6
Sibert, J. *Ecosystem Boundaries and Indicators: Getting started with the ecosystem approach.* Pelagic Fisheries Research Program. JIMAR. University of Hawaii. USA.

### EB WP–7
Ward, P. & R. Myers. *Shifts in open-ocean fish communities coinciding with the commencement of commercial fishing.* Department of Biology, Dalhousie University. Halifax, Canada.

### EB WP–8
Lehodey, P. *Application of SEAPODYM to the Pacific Pelagic Ecosystem. Recent results and perspectives.* Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.

### EB WP–9

### EB WP–10
Allain, V. *Ecopath model of the pelagic ecosystem of the western and central Pacific Ocean.* Oceanic Fisheries Programme, Secretariat of the Pacific Community, Noumea, New Caledonia.

### EB WP–11

### EB WP–12
Ward, P. & R. Myers. *Inferring the depth distribution of catchability for pelagic fishes and correcting for variations in the depth of longline fishing gear.* Department of Biology, Dalhousie University. Halifax, Canada.

### EB IP–1
Small, C. *Distribution of albatrosses and petrels in the Western & Central Pacific & overlap with WCPFC longline fisheries.* Birdlife International Global Seabird Programme.

### Fishery Reports by members and observers

#### FR WP–1 NEW ZEALAND

#### FR WP–2 KOREA

#### FR WP–3 INTER–AMERICAN TROPICAL TUNA COMMISSION (IATTC)
IATTC. *Tunas and billfishes in the Eastern Pacific Ocean in 2004.* IATTC. Inter-American Tropical Tuna Commission. La Jolla, California, USA.

#### FR WP–4 CANADA

#### FR WP–5 JAPAN

FR WP–6 CHINESE-TAIPEI


FR WP–7 FEDERATED STATES OF MICRONESIA


FR WP–8 PHILIPPINES


FR WP–9 TONGA


FR WP–10 PAPUA NEW GUINEA


FR WP–11 VANUATU


FR WP–12 FIJI

Amoe, J. Fiji tuna and billfish fisheries. Fisheries Department, Ministry of Fisheries and Forests, Fiji.

FR WP–13 AUSTRALIA


FR WP–14 MARSHALL ISLANDS


FR WP–15 NEW CALEDONIA


FR WP–16 EU–SPAIN

FR WP–17 USA


FR WP–18 NAURU


FR WP–19 SOLOMON ISLANDS

Diake, S. *National Tuna status report for Solomon Islands for 2004*. Department of Fisheries and Marine Resources. Honiara, Solomon Islands.

FR WP–20 COOK ISLANDS


FR WP–21 FRENCH POLYNESIA


FR WP–22 SAMOA


FR WP–23 KIRIBATI


FR WP–24 NIUE