



**The Commission for the Conservation and Management of
Highly Migratory Fish Stocks in the Western and Central Pacific
Ocean**

**The Intersessional Meeting to Progress
the Draft Bridging Measure for Tropical Tunas
Hilton Hawaiian Village Beach Resort & Spa
Honolulu, Hawaii
22 – 24 August 2017**

MEETING REPORT

Issued: 31 August 2017

**The Commission for the Conservation and Management of
Highly Migratory Fish Stocks in the Western and Central Pacific Ocean**

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MEETING REPORT

AGENDA ITEM 1 — OPENING OF THE MEETING

1. The Commission for the Conservation and Management of Highly Migratory Fish Stocks in the Western and Central Pacific Ocean held an Intersessional Meeting to Progress the Draft Bridging Measure for Tropical Tunas (WCPFC-SS2) from 22-24 August 2017 in Honolulu, Hawaii.
2. The following Members and Participating Territories attended WCPFC-SS2: American Samoa, Australia, the People’s Republic of China, the Commonwealth of the Northern Mariana Islands (CNMI), the Cook Islands, the European Union (EU), the Federated States of Micronesia (FSM), Guam, Indonesia, Japan, Kiribati, the Republic of Korea, the Republic of the Marshall Islands (RMI), Nauru, New Zealand, Niue, Palau, Papua New Guinea (PNG), the Philippines, Samoa, the Solomon Islands, Chinese Taipei, Tokelau, Tonga, Tuvalu, the United States of America (USA), and Vanuatu.
3. The following non-party countries attended WCPFC-SS2 as Cooperating Non-Members (CNMs): El Salvador.
4. Observers from the following governmental and inter-governmental organizations (IGOs) attended WCPFC-SS2: Pacific Islands Forum Fisheries Agency (FFA), the Parties to the Nauru Agreement (PNA), and the Pacific Community (SPC), as the WCPFC’s Scientific Services Provider.
5. Observers from the following non-governmental organizations (NGOs) attended WCPFC-SS2: American Tunaboat Association, Conservation International, Environmental Defense Fund (EDF), International Seafood Sustainability Foundation (ISSF), the Nature Conservancy, the Pew Charitable Trusts (PEW), World Tuna Purse Seine Organization, and World Wide Fund for Nature (WWF).
6. A list of all participants is attached as **Attachment A**.

7. The meeting opened at 8.45am on Tuesday 22 August 2017.
8. The Commission Chair, Madam Rhea Moss-Christian, made some opening remarks which are contained in **Attachment B**.
9. The agenda, as adopted, is attached as **Attachment C**.

AGENDA ITEM 2. PRESENTATION OF THE OUTCOMES OF THE SCIENTIFIC COMMITTEE'S 13TH ANNUAL SESSION

10. Dr John Hampton (SPC-OFP) presented the status of tropical tuna stocks and the presentation is attached as **Attachment D**.
11. The Scientific Committee Chair, Madam Berry Muller presented the relevant outcomes of the Scientific Committee's 13th Annual Session, in particular, the management advice on bigeye, skipjack and yellowfin. Her presentation is attached as **Attachment E**.

AGENDA ITEM 3. PRESENTATION OF REV4 OF THE DRAFT BRIDGING CMM ON TROPICAL TUNAS (CONSULTATIVE DRAFT)

12. The Commission Chair provided an overview of *Rev4 of the Draft Bridging CMM on Tropical Tunas (Consultative Draft)* (**WCPFC-SS2-2017-03**) and referred the meeting to the accompanying document *Status of CMM 2016-01 in relation to Rev4 of the Draft Bridging measure on Tropical Tunas* (**WCPFC-SS2-2017-03A**).
13. The Legal Adviser, Dr Penelope Ridings, provided an overview of the working paper on the *Proposed Treatment of MCS and Other Provisions of the CMM 2016-01 in the Draft Bridging CMM on Tropical Tunas* (**WCPFC-SS2-2017-04**).

AGENDA ITEM 4. PRESENTATIONS BY COMMISSION MEMBERS

14. Members and Participating Territories were provided the opportunity to introduce their proposals. Many CCMs delivered statements on proposals including those that are included in *Rev4 of the Draft Bridging CMM on Tropical Tunas (Consultative Draft)*. Some CCMs shared general views and comments on issues related to Rev4.
15. The non-PNA SIDS proposal circulated prior to the meeting (*Additional Proposals to Rev4 of the Draft Bridging Measure on Tropical Tunas - WCPFC-SS2-2017-03B*) was also introduced.
16. NGOs and other observers were also provided an opportunity to deliver brief statements under this agenda item.

AGENDA ITEM 5. DISCUSSIONS OF REV4 OF THE DRAFT BRIDGING CMM ON TROPICAL TUNAS (CONSULTATIVE DRAFT)

17. The Commission Chair led a discussion on Paragraphs 1 – 11 of *Rev 4 of Draft Bridging CMM on Tropical Tunas (Consultative Draft)* (WCPFC-SS2-2017-03). This covered the three sections within Rev4 that are titled: Purpose, Principles for Application of the Measure, and Harvest Strategies for Bigeye, Skipjack, and Yellowfin tuna.
18. A small working group, led by New Zealand, was tasked to further discuss the management objectives for Bigeye and Yellowfin under the harvest strategy section, including possible evaluation criteria for the purpose of scenario modelling.
19. The Commission Chair led a discussion on Purse Seine Fishery Management (Paragraphs of 12-36). The discussions were structured into four topics: FAD management (paras 12-18); purse seine effort (paras 19-23, 33); purse seine capacity (paras 28, 31, 32); catch retention (para 34); and research (para 36).
20. A small working group, led by Australia, was tasked to further discuss the issues related to FAD management and report back to plenary.
21. The Commission Vice-Chair, Madam Jung-re Riley Kim, led a discussion on Longline Fishery Management included in paragraphs of 37-55. The discussions were structured into four topics: bigeye catch limits (paras 37-45); longline capacity (paras 46-50); MCS provisions; and yellowfin catch limits (paras 54-55).
22. A small working group, led by Japan, was tasked to further discuss the longline topics and report back to plenary.
23. The Commission Vice-Chair led a discussion on Other Commercial Fisheries included in paragraphs of 56-57.
24. The Commission Vice-Chair led a discussion on the preamble provisions of Rev4. The discussion was deferred until after the finalisation of the operative provisions of the draft measure.

AGENDA ITEM 6. MCS AND OTHER PROVISIONS OF THE CMM 2016-01

25. The Commission Chair, supported by the Legal Adviser, led a discussion on the working paper on the *Proposed Treatment of MCS and Other Provisions of the CMM 2016-01 in the Draft Bridging CMM on Tropical Tunas* (WCPFC-SS2-2017-04).

26. There was general agreement to retain the MCS and Other Provisions in the Draft Bridging CMM on Tropical Tunas.

AGENDA ITEM 7. SUMMARY OF DISCUSSIONS AND WAY FORWARD

27. The Commission Chair presented the *Chair's Summary of Issues for Further Discussion at WCPFC14* which is attached as **Attachment F**. The document is the Chair's attempt to capture the key outstanding issues that will be the basis for discussion at WCPFC14 and is not intended to exclude or prevent other issues being raised by CCMs. It is not meant to represent an agreed record by members of the outcome of the discussions.
28. The Commission Chair undertook to circulate a Rev5 of the *Draft Bridging CMM on Tropical Tunas (Consultative Draft)* to CCMs by **September 8, 2017**.

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| <p>29. The Commission agreed to task the Scientific Services Provider, SPC-OFP with completing the scientific evaluations for presentation to WCPFC14 using the evaluation criteria and management options as described in Attachment G.</p> <p>30. The Commission agreed to hold a one day meeting prior to WCPFC14 in Manila, Philippines on Friday, 1st December 2017, to further progress the Draft Bridging Measure for Tropical Tunas.</p> <p>31. The Secretariat was tasked to source funding for the one day meeting including the possibility of external funding.</p> |
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AGENDA ITEM 8. OTHER MATTERS

32. There were no other matters.

AGENDA ITEM 9. CLOSE OF MEETING

33. The Commission Chair thanked the participants, the Vice-Chair, the Executive Director and staff, and SPC-OFP for their support to the meeting. Appreciation and gratitude were also expressed to the hosts for their warm hospitality.
34. The meeting closed at 3.15pm on Thursday 24th August 2017. --

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Draft Bridging CMM on Tropical Tuna
Hilton Hawaiian Village, Waikiki, Hawaii
22 – 24 August 2017
LIST OF PARTICIPANTS**

AUSTRALIA**Gordon Neil**

Assistant Secretary
Department of Agriculture and Water Resources
18 Marcus Clark St., Canberra
+61 2 6272 5863
gordon.neil@agriculture.gov.au

Don Bromhead

Manager - Tropical Tuna Fisheries
Australian Fisheries Management Authority
PO Box 7051
Canberra B.C.
Canberra A.C.T. 2610
Australia
612 62255363
Don.Bromhead@afma.gov.au

Nadija Hallas

Assistant Director
Department of Agriculture and Water Resources
18 Marcus Clark St, Canberra
+62 2 6272 2245
nadija.hallas@agriculture.gov.au

Trent Timmiss

Senior Manager - Tuna and International
Fisheries
Australian Fisheries Management Authority
PO Box 7051
Canberra B.C.
Canberra A.C.T. 2610
Australia
612 62255363
Trent.Timmiss@afma.gov.au

CHINA**Liu Xiaobing**

Distinguished Professor
Shanghai Ocean University
999 hu Cheng Huan Road, Lin Gang New town,
Shanghai China
xiaobing.liu@hotmail.com

Li Yan

Deputy Director of Highseas Fisheries
China Overseas Fisheries Association
Room 1216, Jing Chao Mansion, NO.5
Nongzhanguan Nanlu, Chaoyang District,
Beijing China
86-10-65854355
admin1@tuna.org.cn

COOK ISLANDS**Ben Ponia**

Secretary
Ministry of Marine Resources
PO Box 85 Avarua, Rarontonga
+682 28721
b.ponia@mmr.gov.ck

Timothy Costelloe

Director of Offshore Division
Ministry of Marine Resources
PO Box 85 Avarua, Rarontonga
+682 28721
t.costelloe@mmr.gov.ck

EUROPEAN UNION

Angela Martini

International Relation Officer
European Commission
angela.martini@ec.europa.eu

Stamatis Varsamos

International Relation Officer
European Commission
Stamatios.varsamos@ec.europa.eu

Ignacio de Leiva Moreno

Fisheries Attaché
Delegation of the European Union for the
Pacific
ignacio.de-leiva@eeas.europa.eu

FEDERATED STATES OF MICRONESIA

Eugene Pangelinan

Executive Director
National Oceanic Resource Management
Authority
P.O. Box PS122
691-320-2700
eugene.pangelinan@norma.fm

Mathew Chigiyal

Deputy Director
National Oceanic Resource Management
Authority
P.O. Box PS122, Palikir, Pohnpei FM 96941
691-320-2700
mathew.chigiyal@norma.fm

Naiten Bradley Phillip Jr.

Chief of Research
National Oceanic Resource Management
Authority
bradley.phillip@norma.fm

INDONESIA

Putuh Suadela

Sub Directorate of Fish Resources
Management in IEEZ and High Seas
Directorate of Fish Resources Management
Directorate General of Capture Fisheries,
Ministry of Marine Affairs and Fisheries
sdi.djpt@yahoo.com

Sofi Chullatus Sofia

Head of Section for Utilization of Fish
Resources Management in IEEZ and High Seas
Directorate of Fish Resources Management
Ministry of Marine Affairs and Fisheries
Jl. Medan Merdeka Timur No. 16, Jakarta,
Indonesia
+62-21-3453008/ 62-21-3453008
sdi.djpt@yahoo.com

JAPAN

Shingo Ota

Councillor, Resources Management Department
Fisheries Agency of Japan
1-2-1 Kasumigaseki, Chiyoda-ku, Tokyo
+81-3-3502-8459
shingo_ota810@maff.go.jp

Kengo Tanaka

Counsellor, Resources Management Department
Fisheries Agency of Japan
1-2-1 Kasumigaseki, Chiyoda-ku, Tokyo,
+81-3-3502-8459
kengo_tanaka880@maff.go.jp

Ryoichi Nakamura

Assistant Director, Fisheries Management
Division
Fisheries Agency of Japan
1-2-1 Kasumigaseki, Chiyoda-ku, Tokyo
+81-3-6744-2364
ryoichi_nakamura520@maff.go.jp

Wataru Tanoue

Assistant Director, International Affairs Division
Fisheries Agency of Japan
1-2-1 Kasumigaseki, Chiyoda-ku, Tokyo
+81-3-3502-8459
wataru_tanoe630@maff.go.jp

Hiroshi Nishida

Director-General, Tuna and Skipjack Resources
Division
National Research Institute of Far Seas Fisheries
(NRIFSF)
5-7-1 Orido, Shimizu-ku, Shizuoka-shi,
Shizuoka
+81-54-336-6042
hnishi@affrc.go.jp

Kikuo Chiyo

Director, International Division
Japan Tuna Fisheries Co-operative Association
2-31-1, Eitai, Koto-ku, Tokyo, JAPAN
+81-3-5646-2382
gyojyo@japantuna.or.jp

Minoru Honda

Executive Managing Director
Japan Far Seas Purse Seine Fishing Association
14-10 Ginza 1Chome, Chuo-ku, Tokyo
1040061, JAPAN
+81-3-3564-2315
honda@kaimaki.or.jp

KIRIBATI**Aketa Tanga**

Director Licensing Compliance Division
Ministry of Fisheries and Marine Resources
Development
Bairiki, Tarawa, Kiribati
(686) 21099
aketat@mfmrd.gov.ki

REPUBLIC OF KOREA**Seunglyong Kim**

Deputy Director
Ministry of Oceans and Fisheries of Korea
kpoksl5686@korea.kr

Jung-shim Lim

Administration Officer (Director General's
Office)
Ministry of Oceans and Fisheries of Korea
limjs30@naver.com

Anthony Kim

Deputy General Manager Silla
Co., Ltd.
#286-7 Seokchon-dong, Songpa-gu,
Seoul, Korea
+822-3434-9717
jhkim@sla.co.kr

Kyung Yung Lee

Deputy General Manager
Sajo Industries Co., Ltd.
dada1000@sajo.co.kr

Mitch Ma

Staff
Silla Co., Ltd
#286-7 Seokchon-dong, Songpa-gu,
Seoul, Korea
+82-2-3434-9720
hjma@sla.co.kr

Jae-Un Park

Deputy General Manager
Hansung Enterprise Co. Ltd
63, Yeoungdo-gu, Taejong-ro
+82-51-410-7114
jupark1024@hsep.com

Sang-Jin Park

Director
Dongwon Industries Co., Ltd
275 YangJae-Dong, Seocho-Gu, Seoul, Korea
+82(0)2 589 3078
sjpark@dongwon.com

Young Su Kim

In-house Counsel
Sajo Group
Seoul, Korea
+82 10 9290 7679
Rexkim113@hotmail.com

Tae Wang

Vice President
Dong Won Fisheries
8 Teheran-Ru 8-Gil, Gangnam-GLI
Seoul, Korea
+82 10 2038 5834
taewang@dwsusan.com

Sang-Doo Kim

Managing Director
Dong Won Fisheries
+82 10 8307 6410
Sdkim6309@hotmail.com

Ah Ram Yoo

Dong Won Fisheries
Mabangro 60 Seocho, Seoul, Korea
82-10-4288-588
lmlm432@dongwon.com

Song Jun Su

Section Chief
Sajo Industries Co., Ltd.
107-39 Tongil-Ro Seodamun-Gu, Seoul, Korea
+82-10-4535-8269
jssong@sajo.co.kr

Bongjun Choi

Assistant Manager
Korea Overseas Fisheries Association
bj@kosfa.org

Hyunai Shin

General Manager
Korea Overseas Fisheries Association
275-1, Yangjae-dong, Seoul, Korea
fleur@kosfa.org

Junghee Choi

Advisor
Korea Overseas Fisheries Cooperation Centre,
Ministry of Oceans and Fisheries of the Republic
of Korea
288 Hannuri-Daero, Sejong Special Self-
governing City, Republic of Korea
+82 10-9303-4448
hellojunghee@kofci.org

Choi Hyosun

Inspector
National Fishery Products Quality Management
Service, Republic of Korea
bunguh00@gmail.com

**REPUBLIC OF THE MARSHALL
ISLANDS****Glen Joseph**

Director
Marshall Islands Marine Resources Authority
PO Box 860 Marshall Islands,
Majuro MH 96960
gjoseph@mimra.com

Berry Muller

Marshall Islands Marine Resources Authority
PO Box 860 Marshall Islands,
Majuro MH 96960
bmuller@mimra.com

Wanjun Young

Manager
Pan Pacific Foods (RMI) Inc.
Delap, Majuro
+6926257127
ywj_tuna@163.com

NAURU**Murin Jeremiah**

mhzjere@gmail.com

NEW ZEALAND**Arthur Hore**

Manager Offshore Fisheries
Ministry for Primary Industries
608 Rosebank Road, Avondale,
Auckland 1026
+64-9-8207686
arthur.hore@mpi.govt.nz

Megan Linwood

Senior Policy Analyst, International Fisheries
Management
Ministry for Primary Industries
Pastoral House, 25 The Terrace, PO Box 2526,
Wellington 6011, New Zealand
+64-4-8301532
megan.linwood@mpi.govt.nz

Geoff Tingley

Fishery Technical Director
Sustainable Fisheries Partnership
+64 21 047 8587
geoff.tingley@sustainablefish.org

NIUE**Josie Tamate**

Director-General, Ministry of Natural Resources
Government of Niue
Alofi
Josie.Tamate@mail.gov.nu

Brendon Pasisi

Advisor
Government of Niue
brandon.pasisi@mail.gov.nu

Poi Okesene

Director DAFF
Niue Government
PO Box 74 Alofi, Niue Island
+(683) 4032
poi.okesene@mail.gov.nu

Quentin Hanich

A/Professor
University of Wollongong
Wollongong
410570616
hanich@uow.edu.au

PALAU**Kathleen Sisor**

Fisheries Licensing and Revenue Officer II
Division of Oceanic Fisheries Management
Bureau of Marine Resources
Ministry of Natural Resources, Environment and
Tourism
utau.sisor@gmail.com

PAPUA NEW GUINEA**Philip Polon**

Deputy Managing Director
National Fisheries Authority
11th Floor Deloitte Tower, Douglas Street
P.O.Box 2016, Port Moresby, NCD
Papua New Guinea
Ph: +6753090444
Email: p.polon@fisheries.gov.pg

Leban Gisawa

Executive Manager - Fisheries Management
Unit
National Fisheries Authority
11th Floor Deloitte Tower, Douglas Street
P.O.Box 2016, Port Moresby, NCD
Papua New Guinea
Ph: +6753090444
Email: lgisawa@fisheries.gov.pg

Thomas Usu

Acting Tuna Manager - Fisheries Management
Unit
National Fisheries Authority
11th Floor Deloitte Tower, Douglas Street
P.O.Box 2016, Port Moresby, NCD
Papua New Guinea
Ph: +6753090444
Email: tusu@fisheries.gov.pg

David Karis

Manager - VMS Unit
National Fisheries Authority
11th Floor Deloitte Tower, Douglas Street
P.O.Box 2016, Port Moresby, NCD
Papua New Guinea
Ph: +6753090444
Email: lg@fisheries.gov.pg

Simon Kaumi

Foreign Service Officer
Department of Foreign Affairs
P.O.Box 422, Waigani, NCD
Papua New Guinea
Ph: +675 3016143
Email: simon.kaumi3@gmail.com

Harry Chen
Operation Officer
South Seas Tuna Corporation
PO Box 376, Port Moresby 121, National
Capital District, Papua New Guinea
sstcharry@gmail.com

Jonathan Kidu

Director (Branch Manager)
Papua New Guinea Department of Foreign
Affairs
P.O Box 422, Waigani, National Capital District
3014156
jonathan.kidu@dfat.gov.pg

PHILIPPINES

Drusila Esther Bayate

Assistant Director for Technical Services

Asis G. Perez

Advisor, South Catabato Purse Seiners
Association

Dominic Salazar

Manager, Trinity Homes Industrial Corporation

Elaine Garvilles

Acquaculturist II, BFAR

Marlo Demo-os

Acquaculturist II, BFAR

Peter Erick Cadapan

Fishing Regulations Officer, BFAR

Rafael Ramiscal

Supervising Acquaculturist, BFAR

Rosanna Bernadette B. Contreras

Executive Director
Socksargen Federation of Fishing and Allied
Industries, Inc.
Mezzanine Floor Market 3 Hall, General Santos
Fish Port Complex, Tambler,
General Santos City, Philippines
fishing.federation@gmail.com

Sammy Malvas

Regional Director, BFAR 12

Samuel Luis F. Resma

Vice President - Operations
RD Fishing Group
First Road, Calumpang, General Santos City,
Philippines
+63-998-5835243
slfresma@rdfishing.com.ph

Fatma M Idris

Regional Director
DA-BFAR
Davao City, Philippines
09176237758
fchaneco@yahoo.com

Richie Tan

Vice President for Operation
SAFII Compound Banisel, Tambler, Genral
Santos City, South Cotabato 9500, Philippines
+639176360168
richiecoco@gmail.com

SAMOA

Ueta Junior Faasili

Principal Fisheries Officer Ministry of
Agriculture and Fisheries
ueta.faasili@maf.gov.ws

SOLOMON ISLANDS

Allom Lee

Industry base on Solomon Islands
Southern Seas Logistic Ltd
Point Cruz, Honiara,
+677-7334489
allom.yuhyow@gmail.com

Ferral Lasi

Under Secretary
Ministry of Fisheries and Marine Resources
FLasi@fisheries.gov.sb

Trevor Ramoni

Assistant Secretary
Ministry of Foreign Affairs and External Trade
Melanesian House, Tandai Highway
21250
Trevor.Ramoni@mfaet.gov.sb

CHINESE TAIPEI

Ding-Rong Lin

Director
Fisheries Agency, Council of Agriculture
dingrong@ms1.f.a.gov.tw

Hsiang-Yi Yu

Specialist
Fisheries Agency, Council of Agriculture
hsiangyi@ms1.f.a.gov.tw

Wen-Ying Wang

Section Chief
Fisheries Agency, Council of Agriculture
wenying@ms1.f.a.gov.tw

Chia-Chi Fu

Director
Overseas Fisheries Development Council
joseph@ofdc.rg.tw

Shui-Kai Chang

Professor
National Sun Yat-sen University
skchang@faculty.nsysu.edu.tw

Chris Liu

Manager
Taiwan Purse Seiner Association
Room 202, No.2 Yu Kang Middle 1st Road,
Kaohsiung
+88678131619
wf268@winfar.com.tw

Eric Tsai

General Manager
Taiwan Purse Seiner Association
Room 202, No.2 Yu Kang Middle 1st Road,
Kaohsiung
+88678131619
eriktsai@gmail.com

Ko Chun Ming

Chairman
Taiwan Purse Seiner Association
Room 202, No.2 Yu Kang Middle 1st Road,
Kaohsiung
+88678131619
peter@tppsa.org.tw

Peter Sheu

General Secretary
Taiwan Purse Seiner Association
Room 202, No.2 Yu Kang Middle 1st Road,
Kaohsiung
+88678131619
peter@tppsa.org.tw

Teresa Hsu

Manager
Taiwan Purse Seiner Association
Room 202, No.2 Yu Kang Middle 1st Road,
Kaohsiung
+88678131619
twthsu@fongkuo.com.tw

Tony Lin

Senior Officer
Taiwan Tuna Association
3F-2 No. 2 Yu-Kang Central
1st Road Qianzhen Dist.
Kaohsiung
+886-7-841-9606 ext. 22
tony@tuna.org.tw

TONGA

Vilimo Fakalolo

Deputy CEO
Ministry of Fisheries
Box 871, Nukualofa,
vilimofakalolo@gmail.com

TUVALU

Samasoni Finikaso

Director of Fisheries
samfinikaso70@gmail.com

Solomua Ionatana

Principal Fisheries Officer – Oceanic
tualen@gmail.com

UNITED STATES OF AMERICA

Alexa Cole

Deputy Chief, Enforcement Section
NOAA Office of General Counsel
1315 East West Highway, SSMC 3,
Washington, DC 20910
301-427-8286
alexa.cole@noaa.gov

Bill Pickering

Assistant Director
NOAA - OLE
1845 Wasp Blvd. #176,
Honolulu, Hawaii 96818
808-725-6100
bill.pickering@noaa.gov

David Itano

Fisheries Consultant
Western Pacific Regional Fishery Management
Council, SSC
1164 Bishop St, Suite 1400, Honolulu, HI 96813
(808) 522-8220
daveitano@gmail.com

Emma Htun

Special Assistant to the Deputy Assistant
Administrator for Regulatory Programs NOAA
National Marine Fisheries Service
emma.htun@noaa.gov

Michael Brakke

Foreign Affairs Officer
U.S. Department of State
BrakkeMT@state.gov

Paul Dalzell

Senior Scientist
Western Pacific Regional Fishery Management
Council
1164 Bishop Street, Suite 1400,
Honolulu, Hawaii 96813
1-808-522-8220
paul.dalzell@noaa.gov

Sam Rauch

Acting Deputy Assistant Secretary for
International Fisheries, NOAA

Deputy Assistant Administrator for Regulatory
Programs, NMFS
samuel.rauch@noaa.gov

Tim Johns

US Commissioner
WCPFC
5615 Poola Street
808-223-3553
tjohns@damonestate.com

James Douglas Hines

Executive Director
South Pacific Tuna Corp
619-201-6644
dhines@aftholdings.com

Larry Da Rosa

Fleet Manager
Tradition Mariner LLC
3030 Nichols St.
San Diego CA. 92106
619-223-6147
ldarosa1@cox.net

Stuart Chikami

Manager
Western Pacific Fisheries, Inc.
4395 S. Cameron Street Unit C
Las Vegas, NV 89103 USA
+1 702 588 4573
schikami@westpacfish.com

Frederick W. Tucher

Chief, Pacific Islands Section, NOAA Office of
General Counsel
NOAA - U.S. Department of Commerce
1845 Wasp Blvd., Bldg 176,
Honolulu, HI 96818
808 725 5201
Frederick.Tucher@noaa.gov

Michael Goto

U.S. Commissioner
U.S. Delegation
mgoto@unitedfishingagency.com

Jim Cook

Vice President
Pop Fishing and
Marine
1133 North Nimitz
808-478-4178
jim@pop-hawaii.com

Kristen Johns

Attorney
Pacific Islands Section, NOAA Office of
General Counsel NOAA
U.S. Department of Commerce
1845 Wasp Blvd., Bldg 176,
Honolulu HI 96818
808-725-5203
kristen.johns@noaa.gov

Sarah Malloy

Deputy Regional Administrator NMFS
Pacific Islands Regional Office
sarah.malloy@noaa.gov

Emily Crigler

Fishery Policy Analyst
NOAA Fisheries
emily.crigler@noaa.gov

Zora McGinnis

Fishery Policy Analyst
NOAA Fisheries
zora.mcginis@noaa.gov

Tom Graham

Chief, International Fisheries Division
NOAA Fisheries
tom.graham@noaa.gov

Valerie Post

Fishery Policy Analyst
NOAA Fisheries
valerie.post@noaa.gov

Rini Ghosh

Fishery Policy Analyst
NOAA Fisheries
rini.ghosh@noaa.gov

Michael Tosatto

Regional Administrator
Pacific Islands Regional Office
NOAA Fisheries
michael.tosatto@noaa.gov

Kitty (Rose) Simonds

Executive Director
Western Pacific Regional Fishery Management
Council
1164 Bishop Street, Suite 1400,
Honolulu, Hawaii 96813
1-808-522-8220
kitty.simonds@noaa.gov

Edwin Ebisui Jr

Council Member
Western Pacific Regional Fishery Management
Council
1164 Bishop Street, Suite 1400,
Honolulu, Hawaii 96813
1-808-522-8220
nshore808@msn.com

Keith Bigelow

Supervisory Fisheries Research Scientist
NOAA Fisheries
FRMD/PIFSC/NMFS/NOAA,
1845 Wasp Boulevard, Bldg. #176,
Honolulu, Hawaii 96818
+1 808 7255388
keith.bigelow@noaa.gov

Eric Kingma

Int. Fisheries, NEPA, Enforcement Coord.
WPFMC
1164 Bishop Street, Suite 1400,
Honolulu, Hawaii 96813
808-522-8141
eric.kingma@wpcouncil.org

Brian Hallman

Executive Director
American Tunaboat Association
1 Tuna Lane
San Diego, California, USA 92101
bhallmanata@gmail.com

Joe Finete

Master and Owner of FV Jeanette
ATA
1101 Fleetridge Dr.
San Diego, CA 92106
619-347-5292
Jeanfinet@aol.com

Svein Fougner

Policy Advisor
Hawaii Longline Association
32506 Seahill Drive, Rancho Palos Verdes,
California, USA 90275
310-377-2661
fougneranalytics@gmail.com

William M Sardinha

Vessel Manager
American Tunaboat Association
3687 Voltaire St.
San Diego, CA 92106
619 405 1344
Bill@SardinhaCileu.sdcoxmail.com

Gerald Leape

Director
Pew Charitable Trusts
901 E St NW.
Washington DC 20004
202-431-3938
gleape@pewtrusts.org

John Sibert

Fisheries Researcher
University of Hawaii
3039 Alencastre Pl.
808-294-3842
sibert@hawaii.edu

Pierre Kleiber

Fishery Scientist
NOAA Fisheries (retired)
1736 Bertram St.
808-343-8974
pkleiber.hi@gmail.com

VANUATU**Tony Taleo**

Principal Data Officer
Vanuatu Fisheries Department
PO BOX 1022
6785501150
ttaleo@gmail.com

PARTICIPATING TERRITORIES**AMERICANN SAMOA****Solip Hong**

sbhong@dons.usfca.edu

Alema Leota

Governor's Legal Counsel
American Samoa Government
alema.asag@gmail.com

**COMMONWEALTH OF NORTHERN
MARIANAS ISLANDS****Raymond Roberto**

raysaipan@gmail.com

GUAM**Vincent Leon Guerrero**

Special Assistant, Climate Change and Education
Office of the Governor of Guam
P.O. Box 2950, Hagatña, GU 96932
(671) 688-3091
vince.leonguerrero@guam.gov

TOKELAU**Grant (Stan) Crothers**

stancrothers@gmail.com

**COOPERATING NON MEMBERS
EL SALVADOR****Juan Jose Osorio Gomez**

MCS Chief and WCPFC Commissioner
MAG-CENDEPESCA
Final 1a Av Norte, Santa Tecla
+50322101961
juan.osorio@mag.gob.sv

**INTER-GOVERNMENTAL OBSERVER
ORGANISATIONS**

***PACIFIC ISLANDS FORUM
FISHERIES AGENCY (FFA)***

James T. Movick
Director General
PO Box 629, Honiara
+667 21124
James.movick@ffa.int

Wez Norris
Deputy Director General
1 FFA Rd, Honiara, Solomon Islands
+67721124
wez.norris@ffa.int

Tim Adams
Director Fisheries Management
1 FFA Rd
+67721124
Tim.adams@ffa.int

Alice McDonald
Fisheries Management Advisor
1 FFA Rd, Honiara
+67721124
alice.mcdonald@ffa.int

Pamela Maru
Fisheries Management Adviser
1 FFA Road, West Kola'a Ridge, PO Box 629,
Honiara, Solomon Islands
+677 21124
pamela.maru@ffa.int

***PARTIES TO THE NAURU
AGREEMENT (PNA)***

Ludwig Kumoru
Chief Executive Officer
ludwig@pnatuna.com

Sangaa Clark
Policy Advisor
sangaa@pnatuna.com

Les Clark
Advisor

les@rayfishresearch.com

Transform Aqorau
Legal/Technical Adviser
transform@pnatuna.com

**NON-GOVERNMENTAL OBSERVER
ORGANISATIONS**

***AMERICAN TUNABOAT ASSOCIATION
(ATA)***

Raymond Clarke
Vice President
South Pacific Tuna Corp
PO Box 463, Waialua Hawaii 96791
808 722 0486
rclarke@sopactuna.com

***ENVIRONMENT DEFENSE FUND
(EDF)***

Sarah Ann O'Brien
Senior Manager
Environmental Defense Fund
2023603193
mcteesa@gmail.com

***INTERNATIONAL SUSTAINABILITY
SEAFOOD FOUNDATION (ISSF)***

Claire van der Geest
Policy Advisor ISSF
cvandergeest@iss-foundation.org

Eric Gilman
Pelagic Ecosystems Research Group (PERG)
8088889440
EricLGilman@gmail.com

THE NATURE CONSERVANCY

Mark Zimring
Tuna Program Director - IndoPacific Tuna
Program
mzimring@tnc.org

Craig Heberer

Deputy Director - IndoPacific Tuna Program
402 W Broadway, Suite 1350
San Diego, California, USA, 92101
011-760-805-5984
craig.heberer@tnc.org

***THE PEW CHARITABLE TRUSTS
(PEW)***

Amanda Nickson

Director-Global Tuna Conservation
The Pew Charitable Trusts
901 E Street NW 10th floor
2026749829
anickson@pewtrusts.org

Glen Holmes

Officer
The Pew Charitable Trusts
gholmes@pewtrusts.org

***WORLD TUNA PURSE SEINE
ORGANIZATION (WTPO)***

Marcel Roderick C Chiu

Secretariat
World Tuna Purse seine Organization (WTPO)
17 Floor Frabelle Business, Centre, 111 Rada
Street, Legas
9179469370
wtpo.secretariat.manila@gmail.com

***WORLD WIDE FUND FOR NATURE
(WWF)***

Katherine Seto

Researcher - World Wide Fund for Nature
katyseto@berkeley.edu

WCPFC SECRETARIAT

Rhea Moss Christian

WCPFC Chair
Western and Central Pacific Fisheries
Commission
Kaselehlie St, PO Box 2356,
Kolonias, Pohnpei 96941
691-3201993
rhea.moss@gmail.com

Jung-re Riley Kim

WCPFC Vice-Chair
Western and Central Pacific Fisheries
Commission
Policy Officer, Multilateral Fisheries Negotiator
Ministry of Oceans and Fisheries of Korea
rileykim1126@gmail.com

Feleti P. Teo

Executive Director
Western and Central Pacific Fisheries
Commission
Kaselehlie St, PO Box 2356,
Kolonias, Pohnpei 96941
691-3201993
feleti.teo@wcpfc.int

SungKwon Soh

Science Manager
Western and Central Pacific Fisheries
Commission
Kaselehlie St, PO Box 2356,
Kolonias, Pohnpei 96941
691-3201993
sungkwon.soh@wcpfc.int

Aaron Nighswander

Finance and Administrative Manager
Western and Central Pacific Fisheries
Commission
Kaselehlie St, PO Box 2356,
Kolonias, Pohnpei 96941
691-3201993
aaron.nighswander@wcpfc.int

Lara Manarangi-Trott

Compliance Manager
Western and Central Pacific Fisheries
Commission

Kaselehlie St, PO Box 2356,
Kolonia, Pohnpei 96941
691-3201993
lara.manarangi-trott@wcpfc.int

Penelope Ridings

Legal Advisor
Western and Central Pacific Fisheries
Commission
Kaselehlie St, PO Box 2356,
Kolonia, Pohnpei 96941
691-3201993
pennyridings@yahoo.com

Kristen Barry

Consultant
kris@fourthpillarconsulting.com.au

THE PACIFIC COMMUNITY (SPC)

John Hampton

Chief Scientist
Pacific Community
BP D5, Noumea Cedex 98848, New Caledonia
+687 260147
johnhh@spc.int

Graham Pilling

Principal Fisheries Scientist, OFP
Pacific Community
B.P. D5, 98848 Noumea, New Caledonia
+687 262000
grahamp@spc.int

Timothy Park

Pacific Community
B.P. D5, 98848 Noumea, New Caledonia

WCPFC
CHAIR'S OPENING REMARKS
HONOLULU
22-24 AUG 2017

Good morning, everyone, and welcome to the Intersessional Meeting to Progress the Draft Bridging Measure for Tropical Tunas. I now declare this meeting, open.

I would like to first say thank you to our hosts, the Government of the United States, for kindly offering the venue for us to have this meeting. I would also like to recognize the efforts of the Western Pacific Regional Fishery Management Council and in particular, Director Kitty Simonds and her staff, for the excellent arrangements.

I would also like to express on behalf of the Commission, our sincere gratitude to the FAO's ABNJ Common Oceans Tuna Project for providing funding for developing State CCMs to attend this meeting.

1. Thank you everyone for taking time out of your busy schedules to be here.
2. This session was originally shaping up as 90 attendees – as things have evolved, more than 170 people are here. That could partly speak to the delights of Honolulu but I prefer to think it shows the commitment that everyone has to the important work being done here.
3. I'd like to make some opening remarks:
4. As we're all aware, CMM 2016-01 expires in 4 months. So, the clock is ticking to get a bridging measure in place that will provide clear mechanisms for managing healthy tropical tuna stock levels until a comprehensive Harvest Strategy is developed. This session is a forum for discussing the shape of a bridging measure to provide those mechanisms.
5. Let me be clear here: Rev4 is a draft; it's simply a basis for our discussions as a Commission.
6. How did we get here?
 - The initial consultative draft of the Bridging CMM was issued in Circular 2016/34 on 15 July 2016. It built on the existing CMM 2016-01 and sought to simplify its structure by providing a more streamlined framework for further discussions.
 - Rev1 of the consultative draft was submitted to WCPFC13 as a meeting paper on 5 November 2016 and reflected feedback from CCMs during and after the plenary discussion at TCC12.
 - After presentation of the draft for consultation at WCPFC13, Rev2 was posted, reflecting additional comments received during that Annual Session.

- At WCPFC13, the Commission also agreed on the forward process for the bridging measure: to commence work electronically in the early part of 2017, with a focus on the structure and provisions that weren't dependent on scientific advice.
 - Rev3, dated 10 February 2017, was shared in Circular 2017/07 and included comments received from Members after WCPFC13.
 - Rev4 is the version before you. It includes Member proposals received since Rev3, as well as a few further changes that I proposed, based partly on your feedback, to create more specificity in the document.
7. Let me stress here that there is no agenda at play to disenfranchise any Member or group of Members; the inclusions in Rev4 simply reflect the contributions of CCMs who have responded to date. Naturally, CCM's have put forward their preferred positions but that doesn't necessarily mean those positions will take precedence; it's just a starting point for discussions. CCM's that haven't responded so far will have their opportunity in this forum. All CCM positions will be heard.
 8. I know some of you feel that getting consensus around Rev4 will be very hard. I understand that perspective but I would say this:
 9. Having a mountain to climb isn't new terrain for this Commission. Achieving consensus in this multilateral environment is often challenging. Members are passionate about their positions and compromise can seem far away.
 10. However, despite the difficult challenges we've faced many times over the years, progress has been made.
 11. Speaking with each other face to face, in an open forum, is the best way to achieve progress. History has taught us that. In fact, one of the most significant achievements we've had took place here in Honolulu in 2000 when we adopted the Convention and our Commission was established.
 12. Thank you to those Members who made contact before this session to express their commitment to cooperation, so the work can move forward. Your spirit of positive leadership is very much valued.
 13. Could I ask everyone here to approach the next three days with a spirit of cooperation. Developing a bridging measure that balances the interests of all members is more likely to be achieved if we approach the session with that mindset.

Thank you.



**The Intersessional Meeting to Progress
the Draft Bridging Measure for Tropical Tunas**

Hilton Hawaiian Village Beach Resort & Spa

Honolulu, Hawaii

22 – 24 August, 2017

ADOPTED AGENDA

1. Opening of Meeting

- 1.1 Welcoming remarks by Commission Chair
- 1.2 Adoption of agenda
- 1.3 Meeting arrangements

2. Presentation of the Outcomes of the Scientific Committee 13th Annual Session

- 2.1 Stock assessment outcomes for bigeye and yellowfin
- 2.2 Relevant recommendations of the SC13

3. Presentation of the Draft Bridging CMM on Tropical Tuna Rev4 (Consultative Draft)

- 3.1 Draft Bridging CMM on Tropical Tunas Rev 4 (Consultative Draft)
- 3.2 Discussion limited to clarification on Rev4.
- 3.3 Introduction of proposed treatment of MCS and Other Provisions of the CMM 2016-01 in the Draft Bridging CMM on Tropical Tunas

4. Presentations by Commission Members

5. Discussions of the Draft Bridging CMM on Tropical Tuna Rev4 (Consultative Draft)

6. MCS and Other Provisions of the CMM 2016-01

- 6.1 Discussion on the proposed treatment of MCS and Other Provisions of the CMM 2016-01 in the Draft Bridging CMM on Tropical Tunas.

7. Summary of Discussions and Way forward

8. Other Matters

9. Close of Meeting

—



Pacific
Community
Communauté
du Pacifique

STATUS OF TROPICAL TUNA STOCKS

OFP SPC

TT CMM meeting, Honolulu, August 2017



Structure

- Presenting by tropical tuna stock
 - Time series of catches
 - Status and uncertainty in:
 - Recent assessed status from latest assessment grid
 - Future projected status under ‘status quo’ conditions

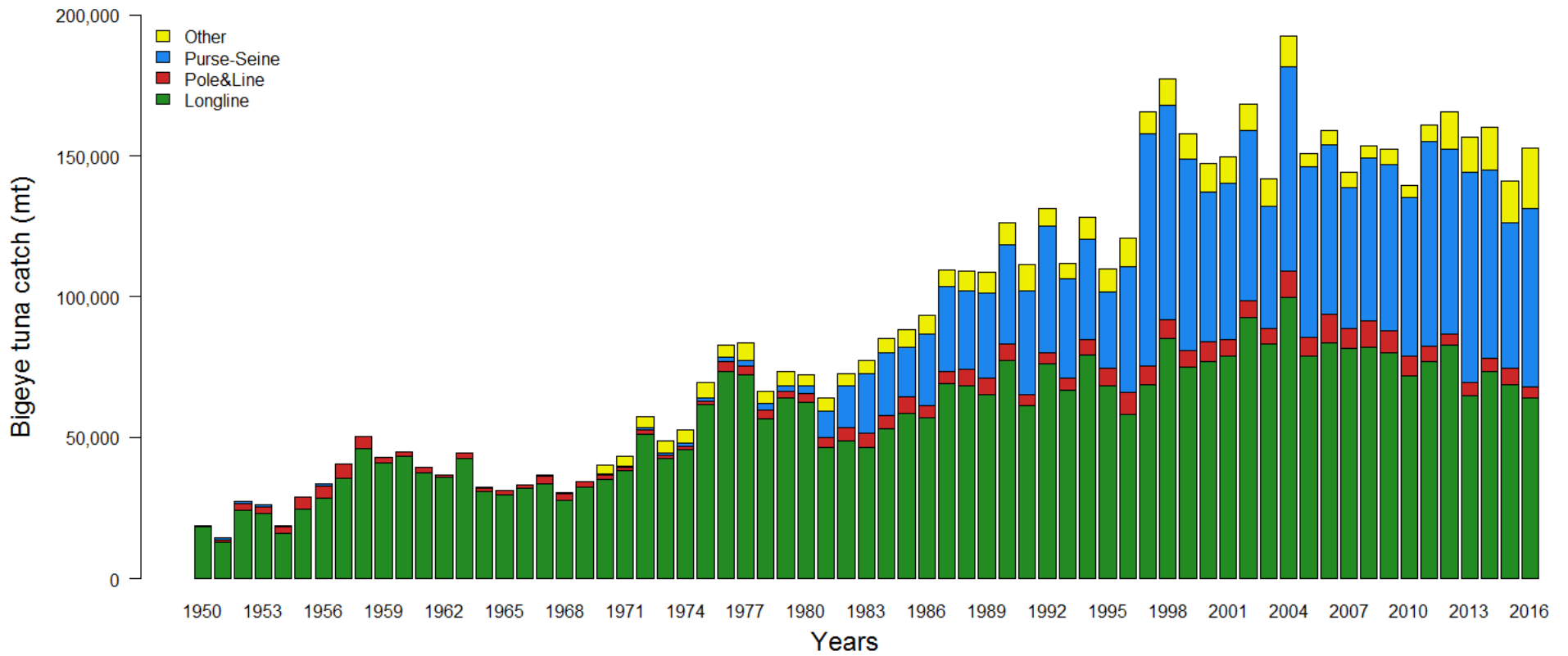


Projections

- Assuming 'status quo' fishery conditions
- Across the grid of model runs selected by SC
- Constant catchability at recent levels
- 200 stochastic projections per model
 - Future recruitments from specified periods
- Evaluate average future depletion levels
- Evaluate risk of $SB < LRP$



Bigeye



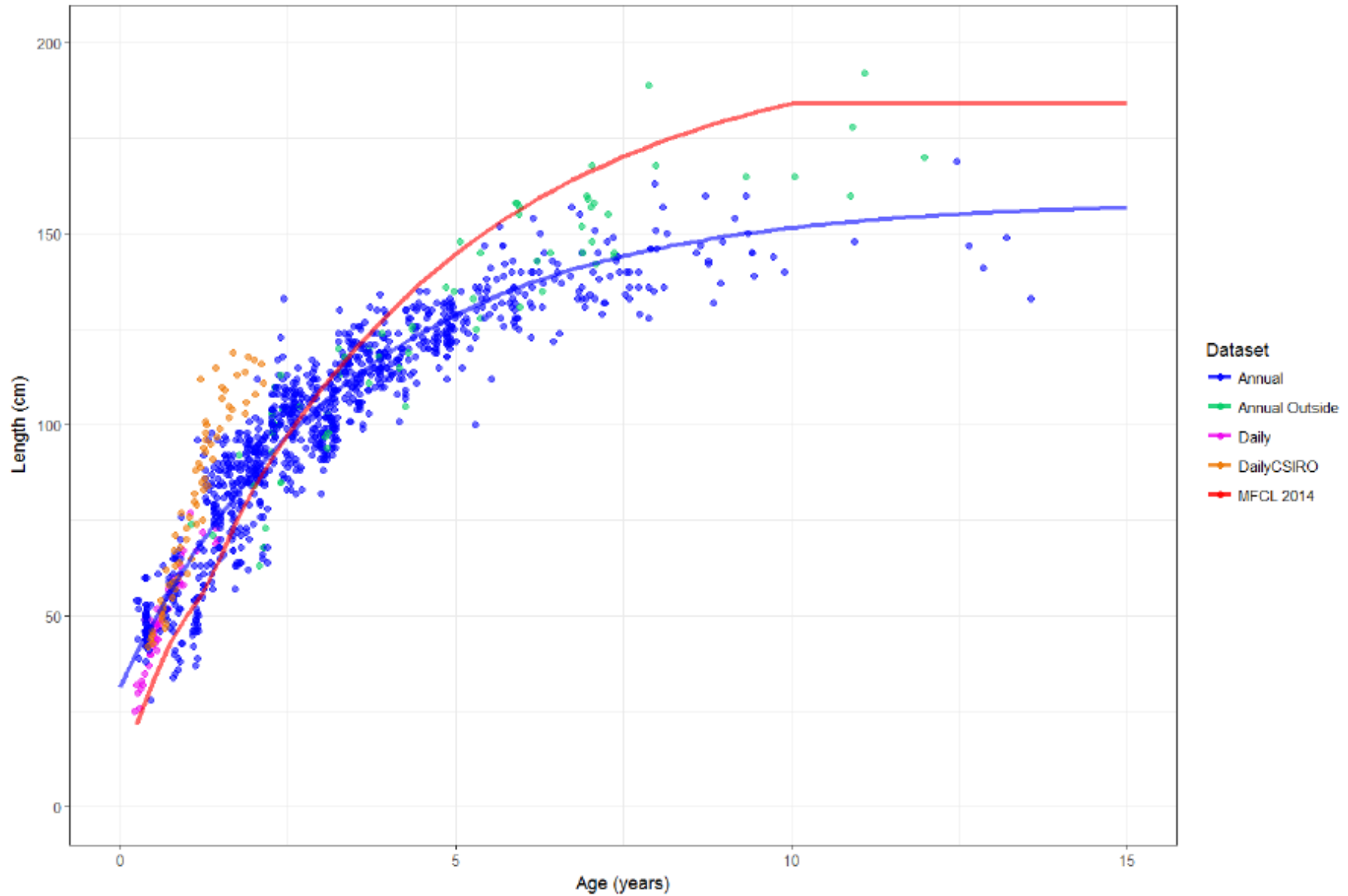
2017 developments



- Update all data – catch/effort, tagging, sizes – includes re-estimated PS catch
- Include new biological information from Farley *et al.* (2017)
- Consideration of alternative regional structure
- Investigated structural uncertainty – 72 separate model runs
- Two key influential uncertainties:
 - BET growth/maturity
 - Regional structure

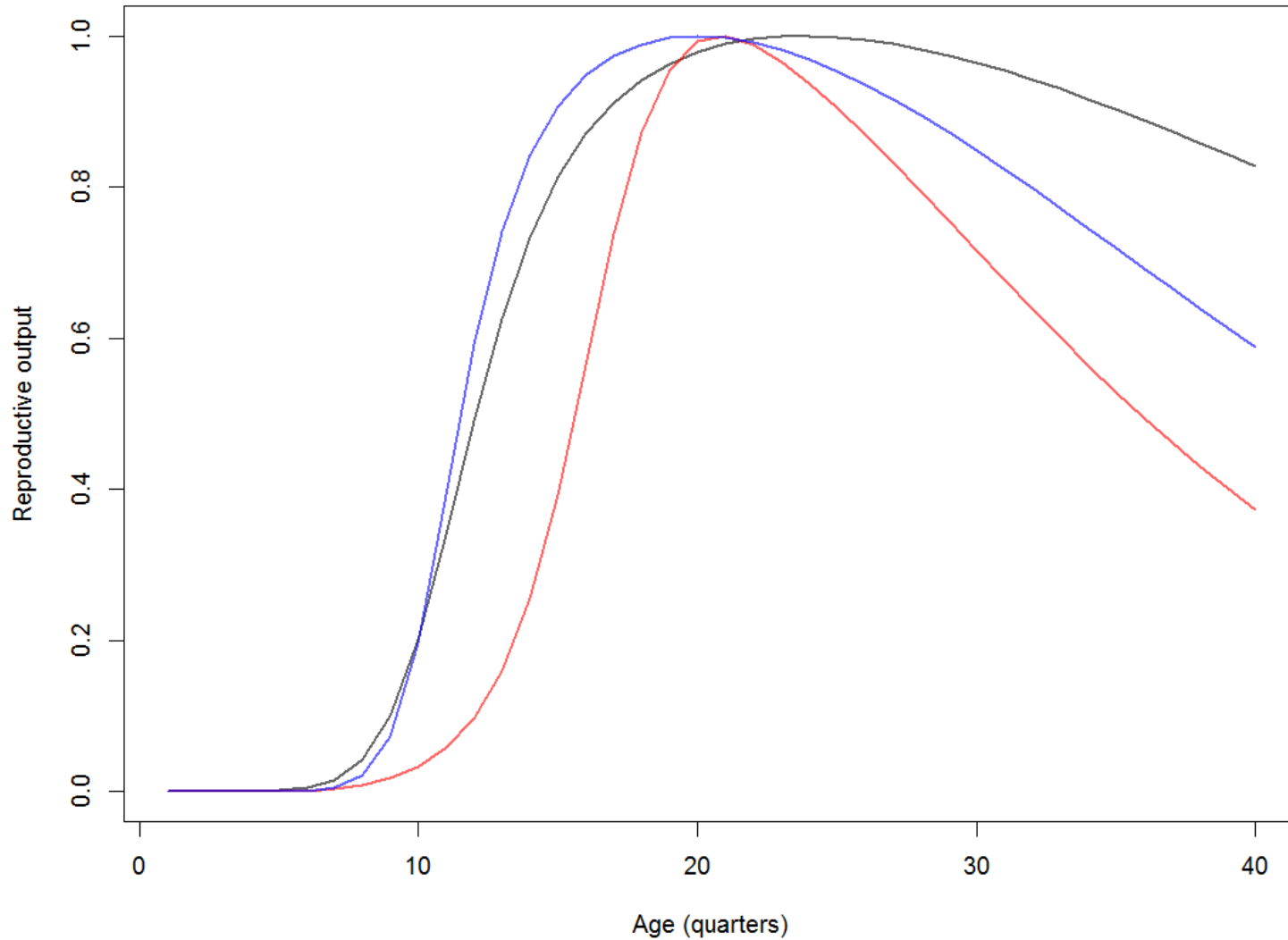


BET growth





Maturity-at-age

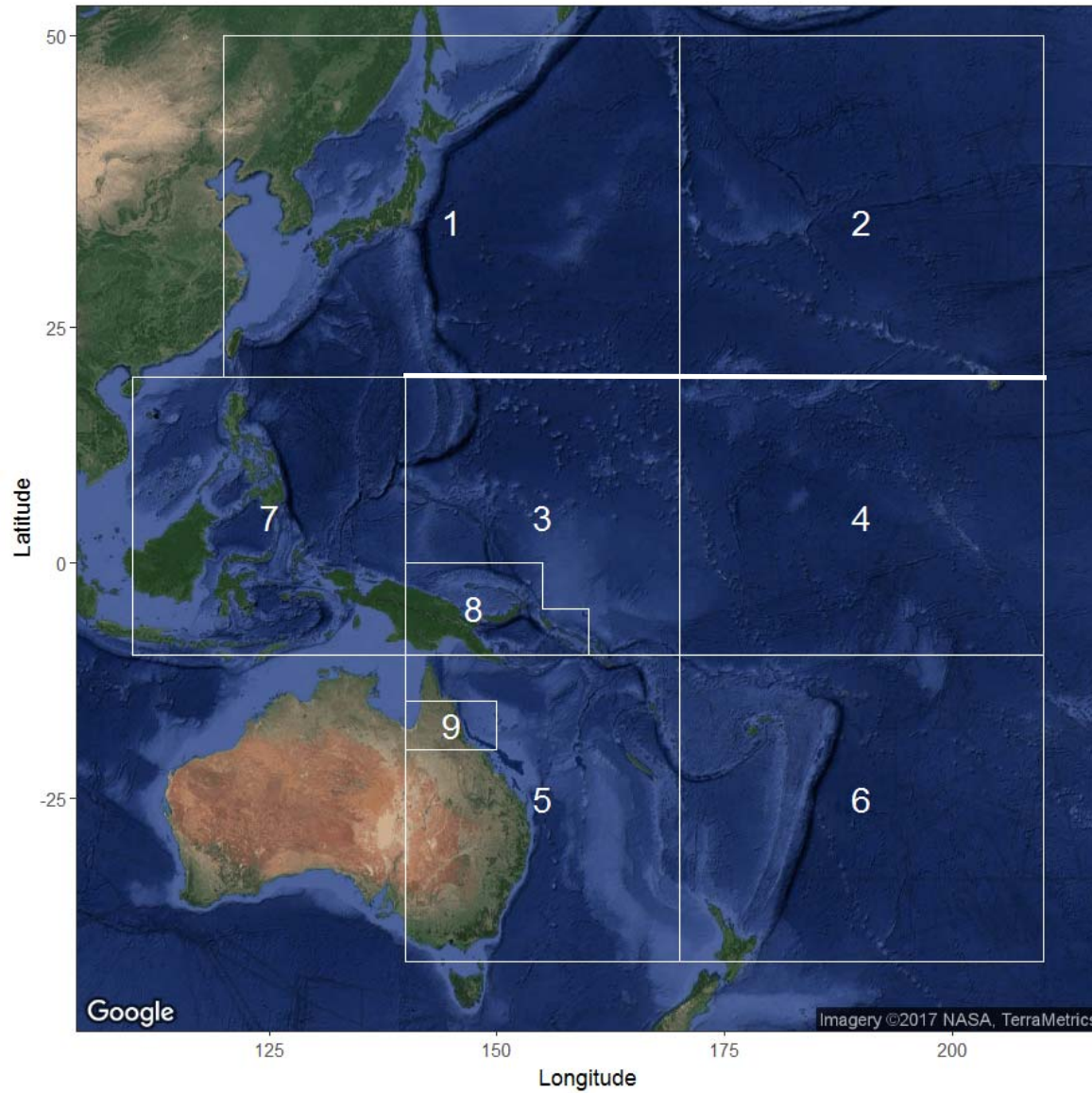


Red: 2014

Blue: 2014 growth + new maturity

Black 2017 growth + new maturity

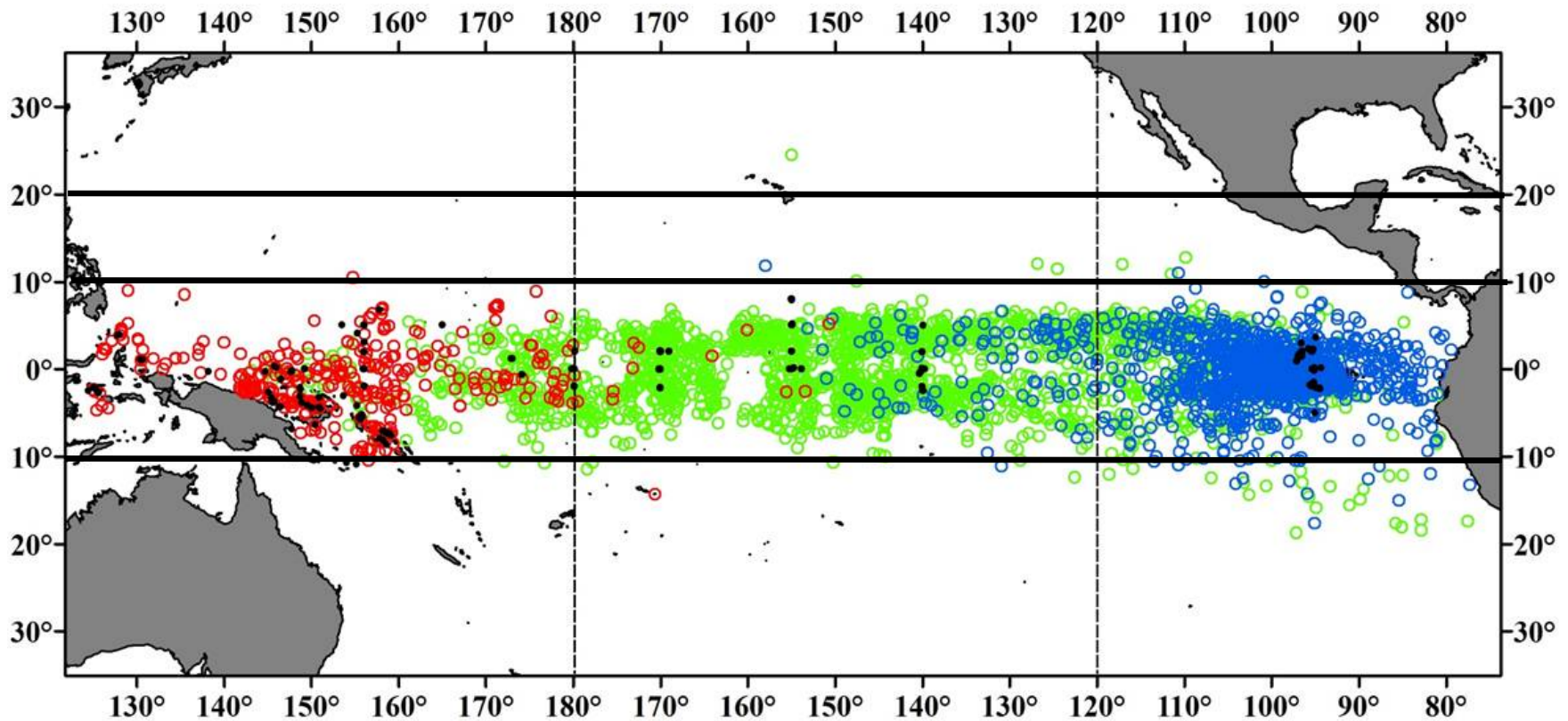
Regional structure - 2014



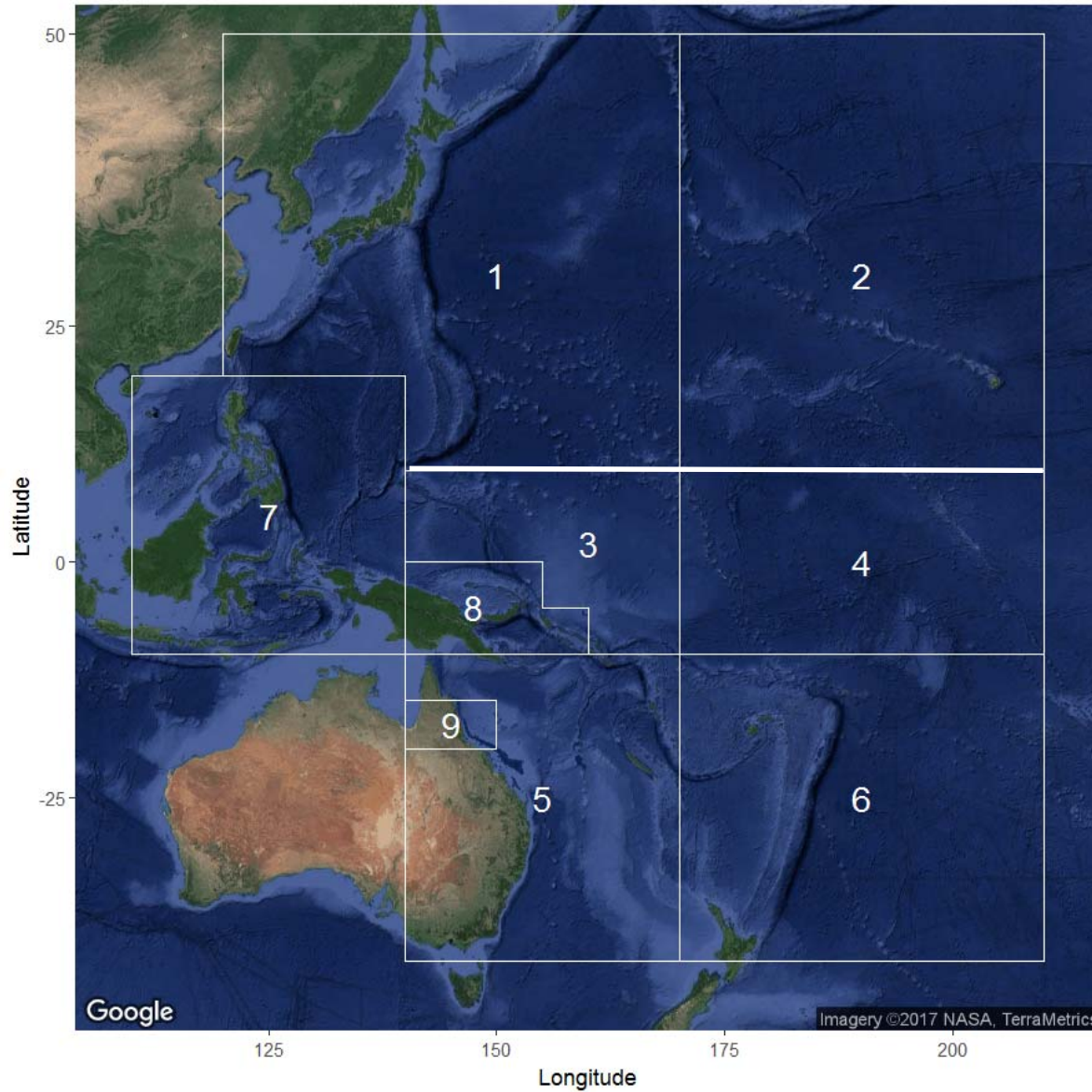
New information



- PAW recommended investigating alternative spatial structure based on recent analysis of tagging data from across the Pacific

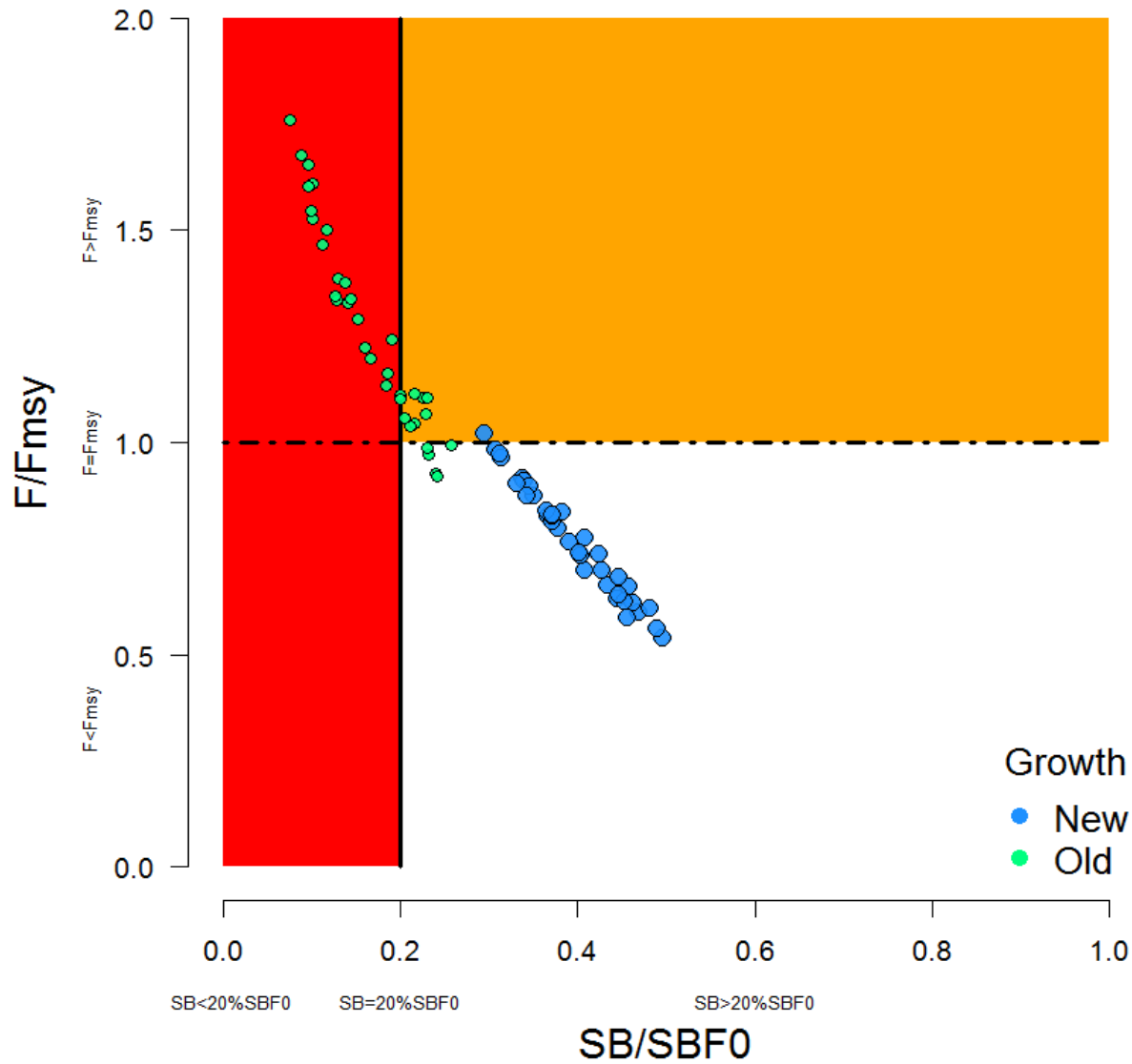


Regional structure 2017

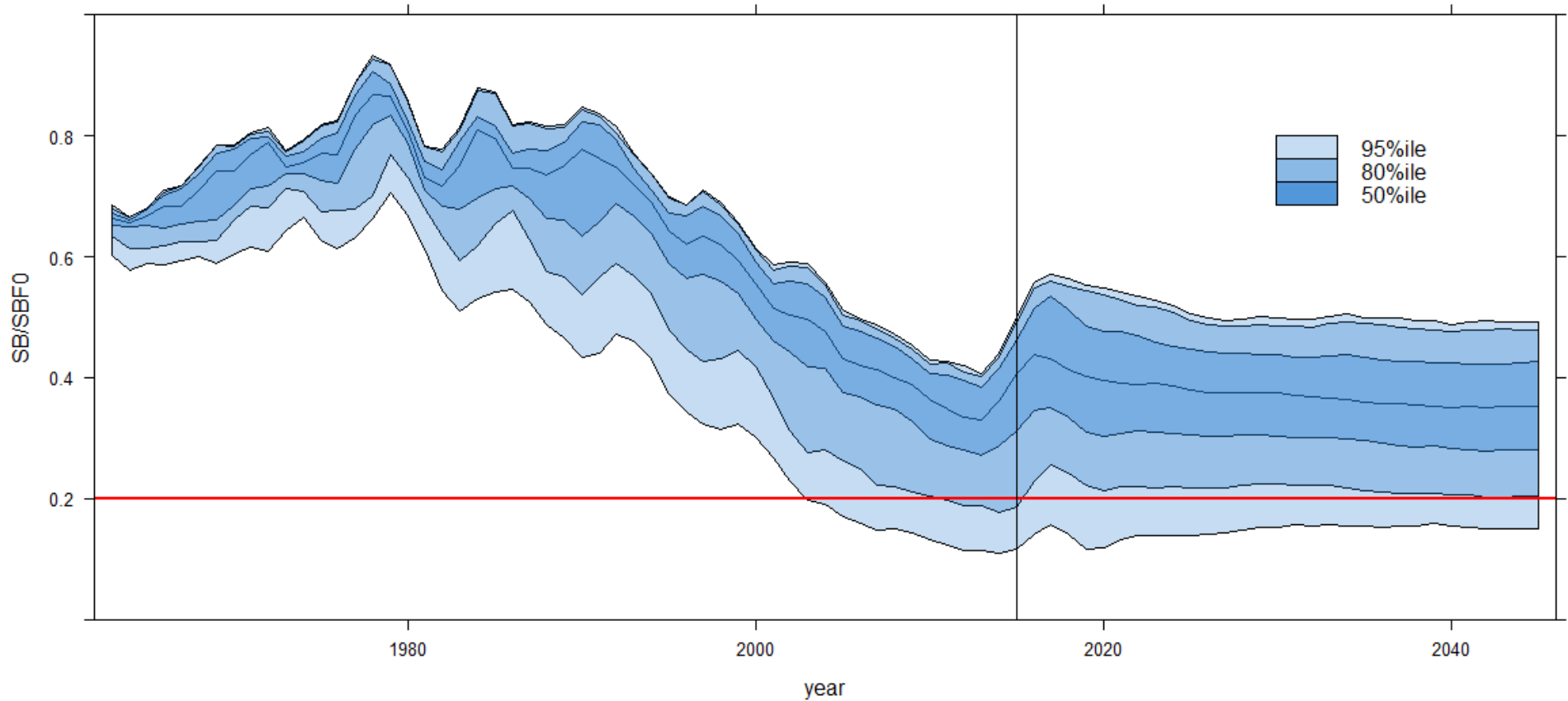




2017 assessment



Bigeye – weighted models



NOTE: work in progress

NOTE 2: relatively optimistic – 2015 conditions, recent positive recruitments

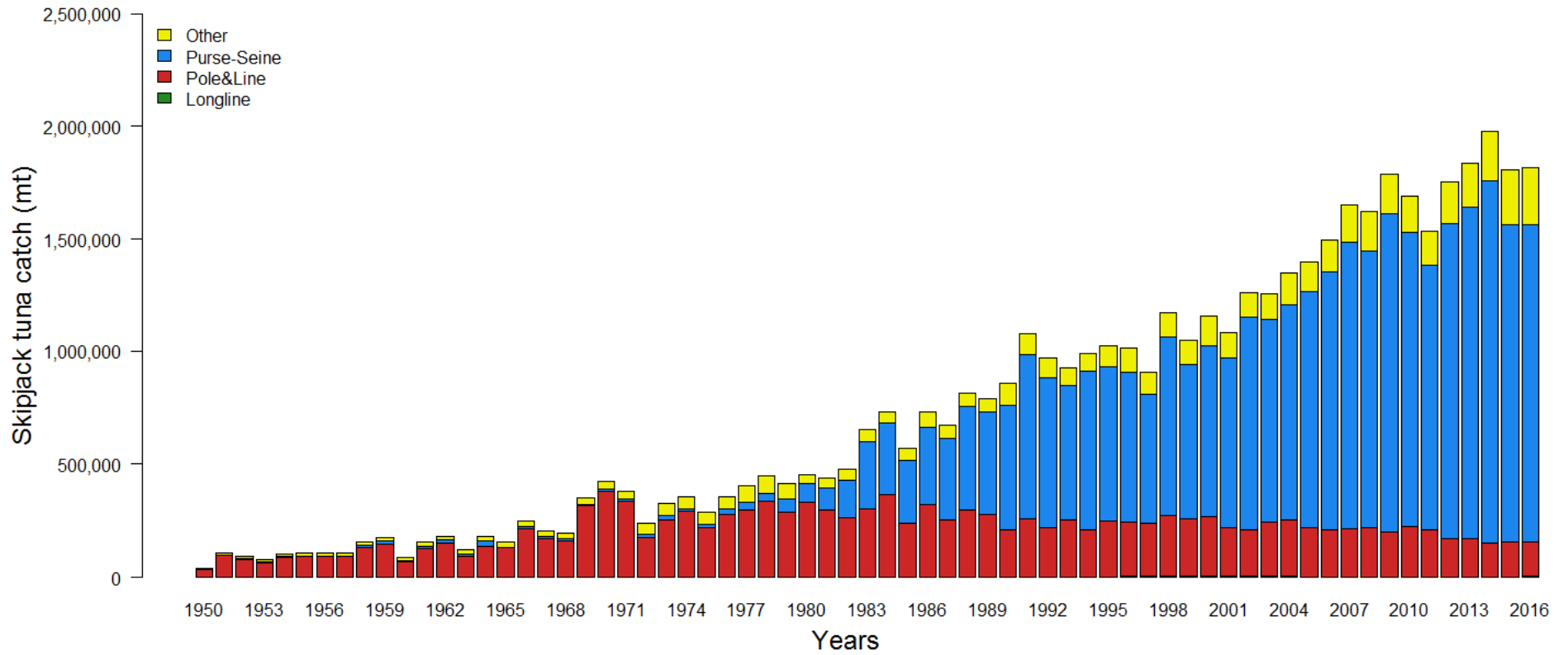


2015 and 2045 status

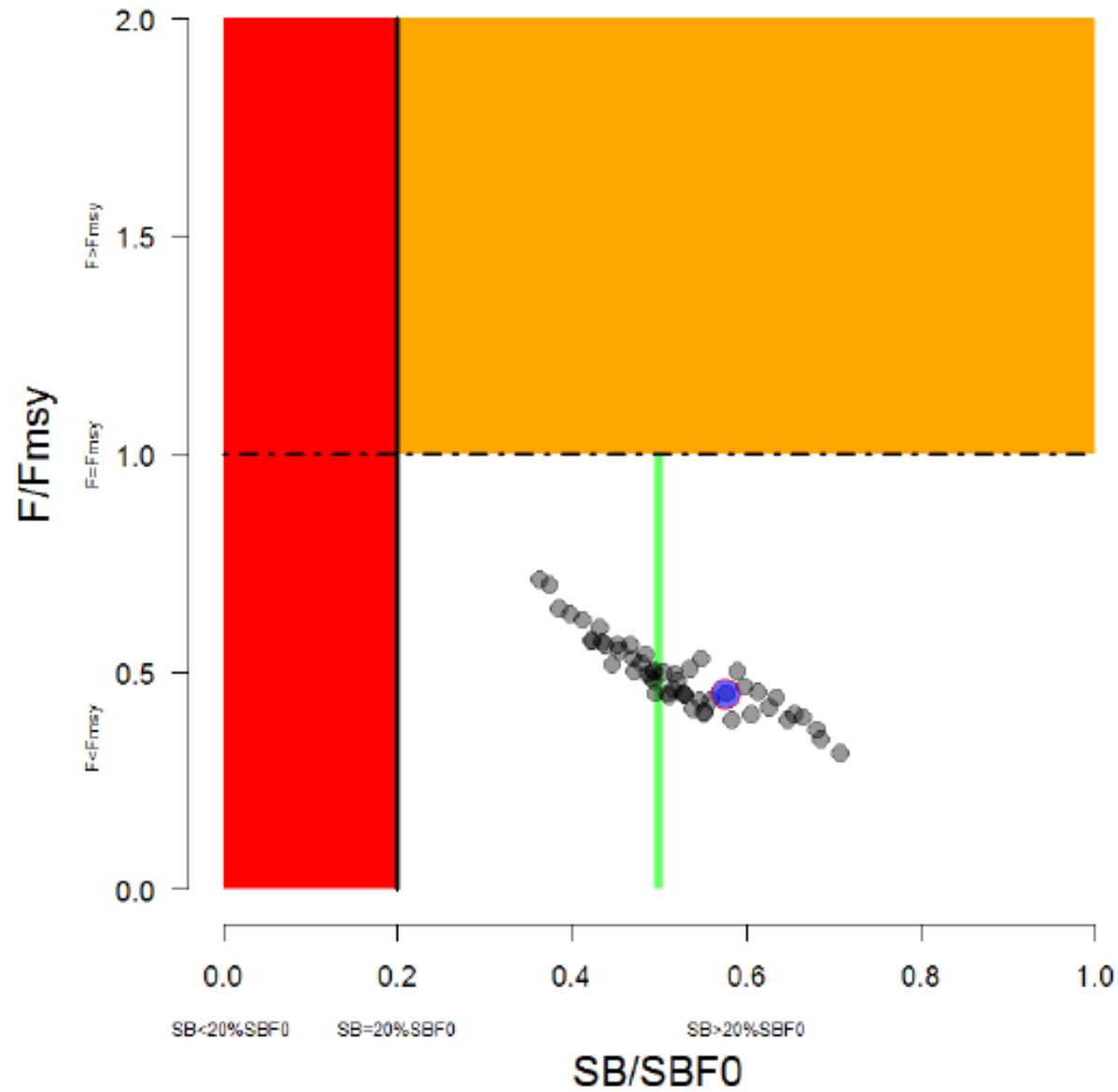
Indicator	Bigeye
Assessment	
$SB_{2015}/SB_{F=0}$	0.37
Prob. $SB_{2015}/SB_{F=0} < 0.2$	0.15
$SB_{2012-2015}/SB_{F=0}$	0.32
Prob. $SB_{2012-2015}/SB_{F=0} < 0.2$	0.16
$F_{2011-2014}/F_{MSY}$	0.83
Prob. $F_{2011-2014}/F_{MSY} > 1.0$	0.23
Projections	
$SB_{2045}/SB_{F=0}$	0.35
Prob. $SB_{2045}/SB_{F=0} < 0.2$	0.10



Skipjack

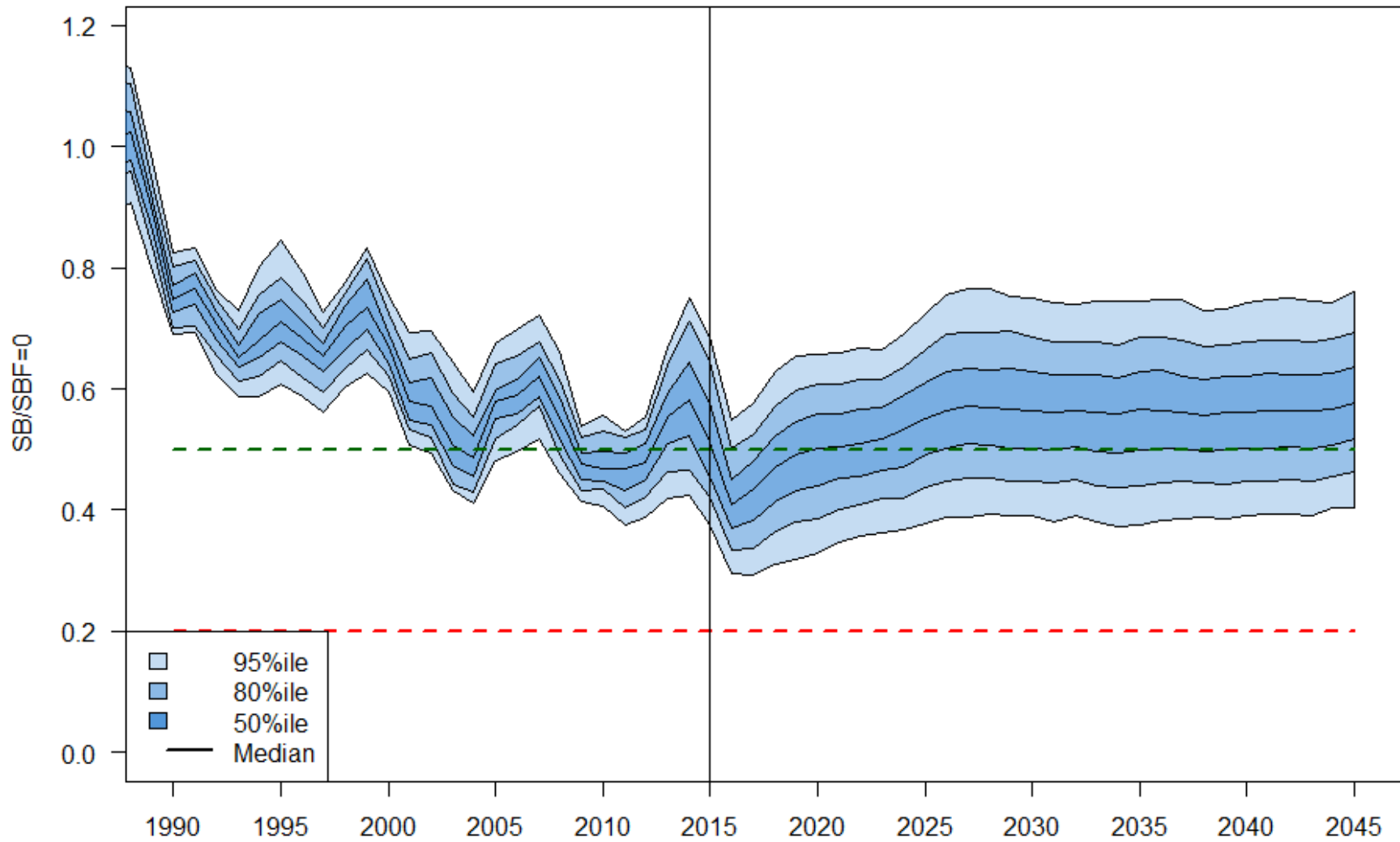


2016 assessment





Skipjack



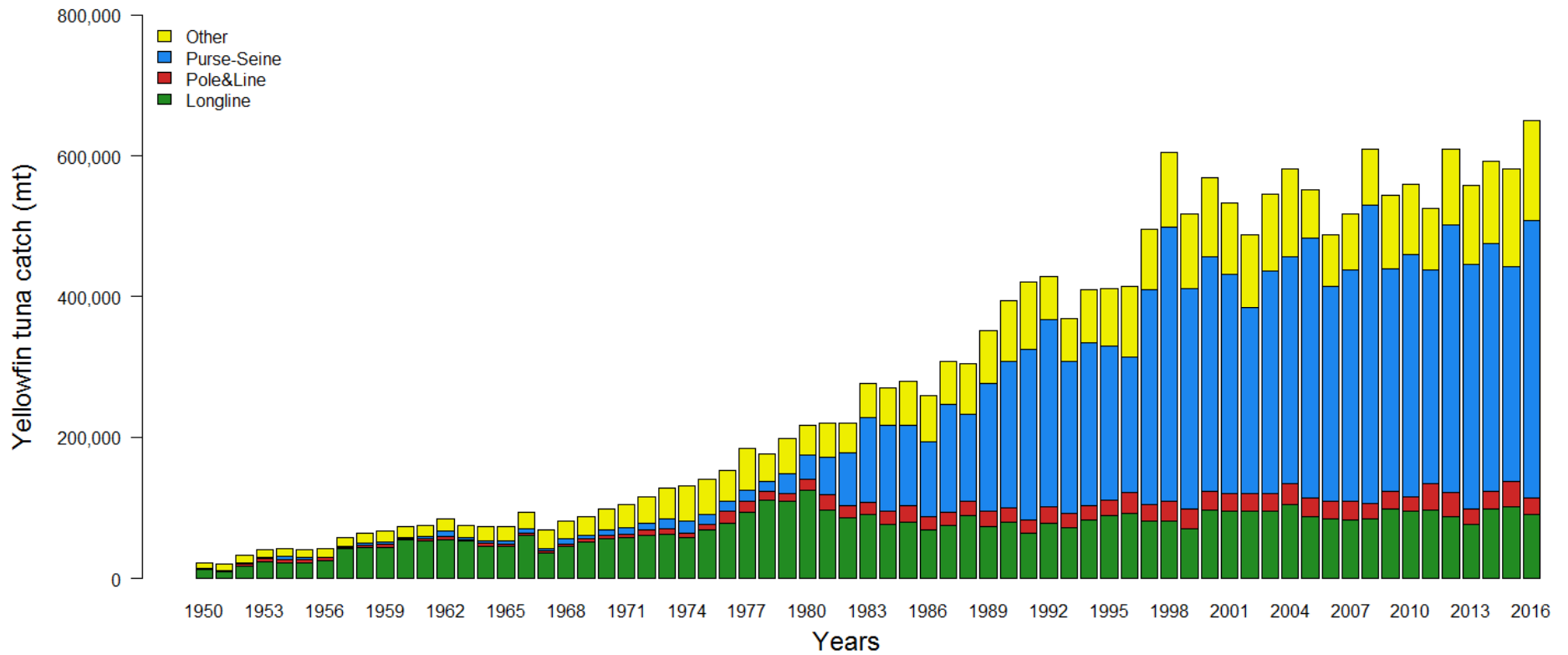


2015 and 2045 status

Indicator	Skipjack
Assessment	
$SB_{2015}/SB_{F=0}$	0.51
Prob. $SB_{2015}/SB_{F=0} < 0.2$	0.00
$SB_{2012-2015}/SB_{F=0}$	0.49
Prob. $SB_{2012-2015}/SB_{F=0} < 0.2$	0.00
$F_{2011-2014}/F_{MSY}$	0.48
Prob. $F_{2011-2014}/F_{MSY} > 1.0$	0.00
Projections	
$SB_{2045}/SB_{F=0}$	0.58
Prob. $SB_{2045}/SB_{F=0} < 0.2$	0.00

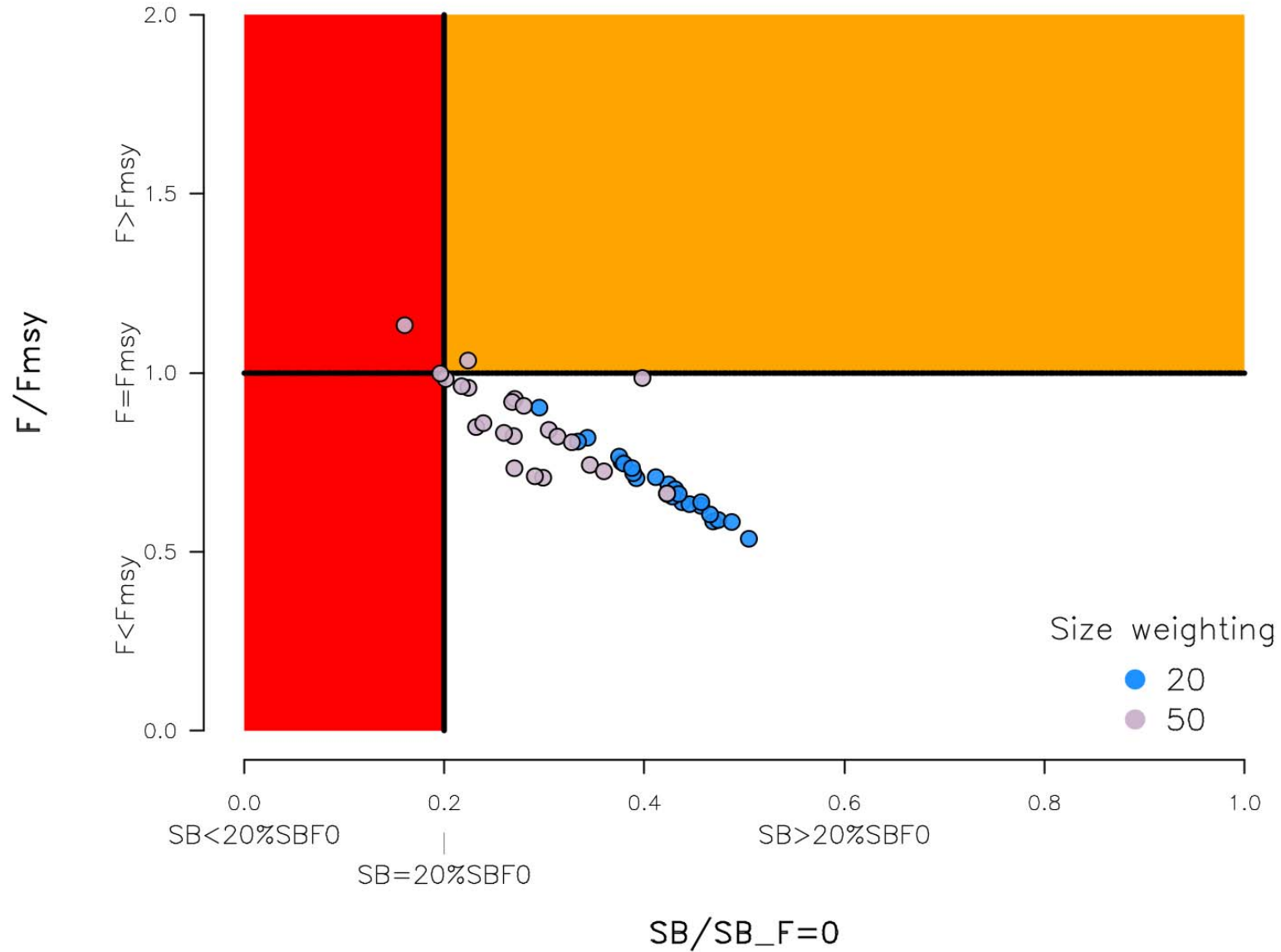


Yellowfin

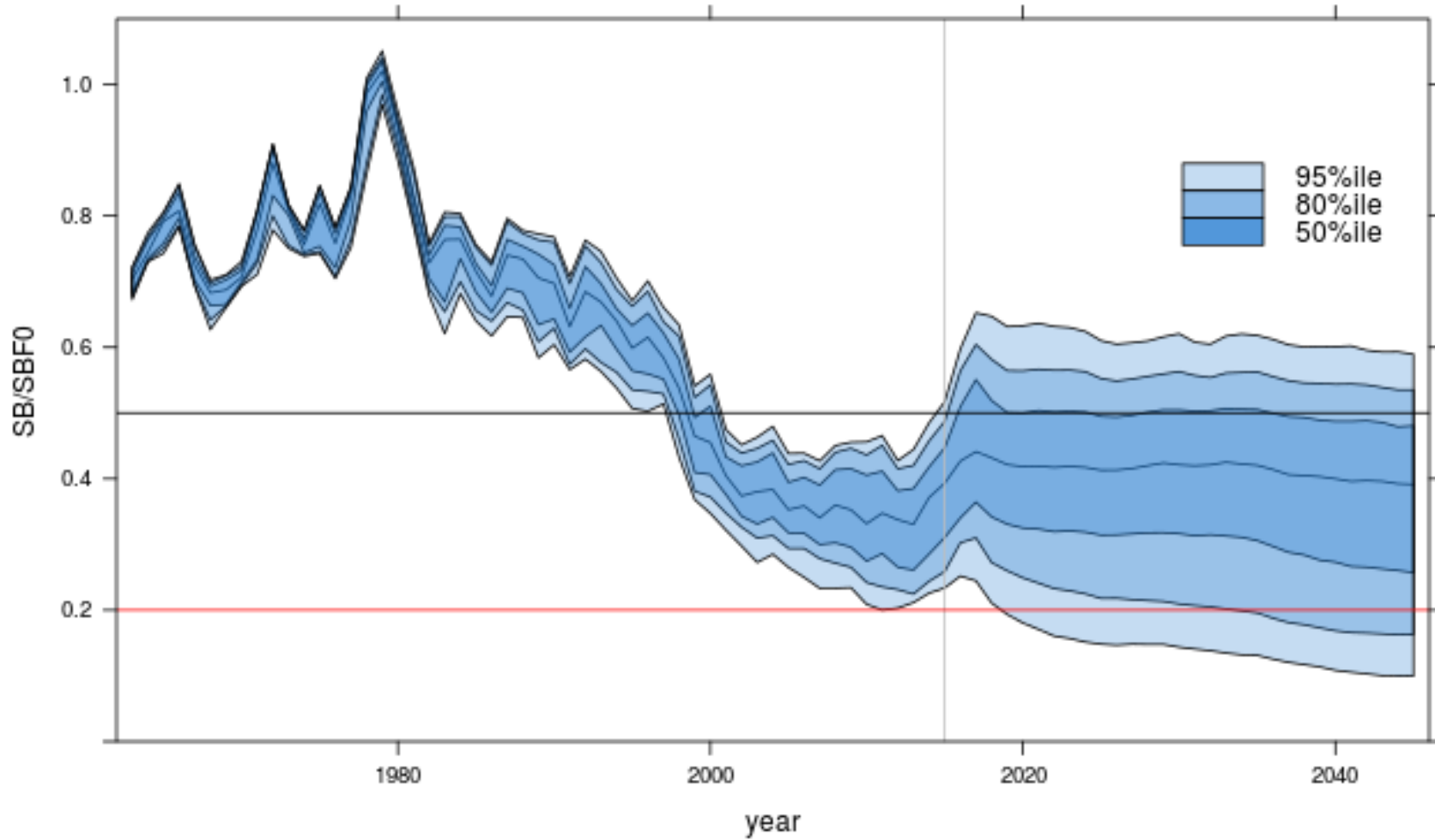




2017 assessment



Yellowfin





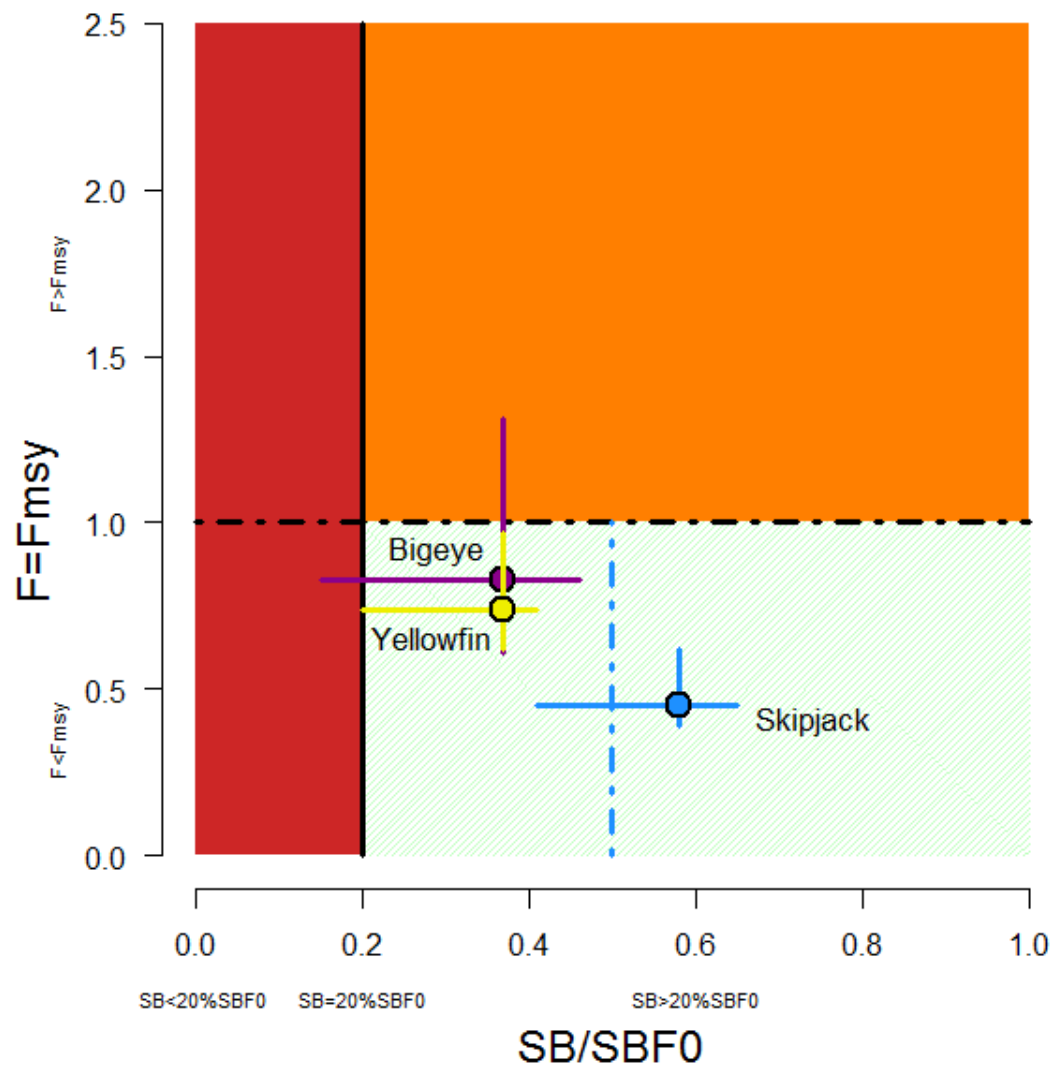
2015 and 2045 status

Indicator	Yellowfin
Assessment	
$SB_{2015}/SB_{F=0}$	0.37
Prob. $SB_{2015}/SB_{F=0} < 0.2$	0.04
$SB_{2012-2015}/SB_{F=0}$	0.33
Prob. $SB_{2012-2015}/SB_{F=0} < 0.2$	0.08
$F_{2011-2014}/F_{MSY}$	0.74
Prob. $F_{2011-2014}/F_{MSY} > 1.0$	0.04
Projections	
$SB_{2045}/SB_{F=0}$	0.39
Prob. $SB_{2045}/SB_{F=0} < 0.2$	0.16



Summary Table

Indicator	Bigeye	Skipjack	Yellowfin
Assessment			
$SB_{2015}/SB_{F=0}$	0.37	0.51	0.37
Prob. $SB_{2015}/SB_{F=0} < 0.2$	0.15	0.00	0.04
$SB_{2012-2015}/SB_{F=0}$	0.32	0.49	0.33
Prob. $SB_{2012-2015}/SB_{F=0} < 0.2$	0.16	0.00	0.08
$F_{2011-2014}/F_{MSY}$	0.83	0.48	0.74
Prob. $F_{2011-2014}/F_{MSY} > 1.0$	0.23	0.00	0.04
Projections			
$SB_{2045}/SB_{F=0}$	0.35	0.58	0.39
Prob. $SB_{2045}/SB_{F=0} < 0.2$	0.10	0.00	0.16





Hotspots Analysis

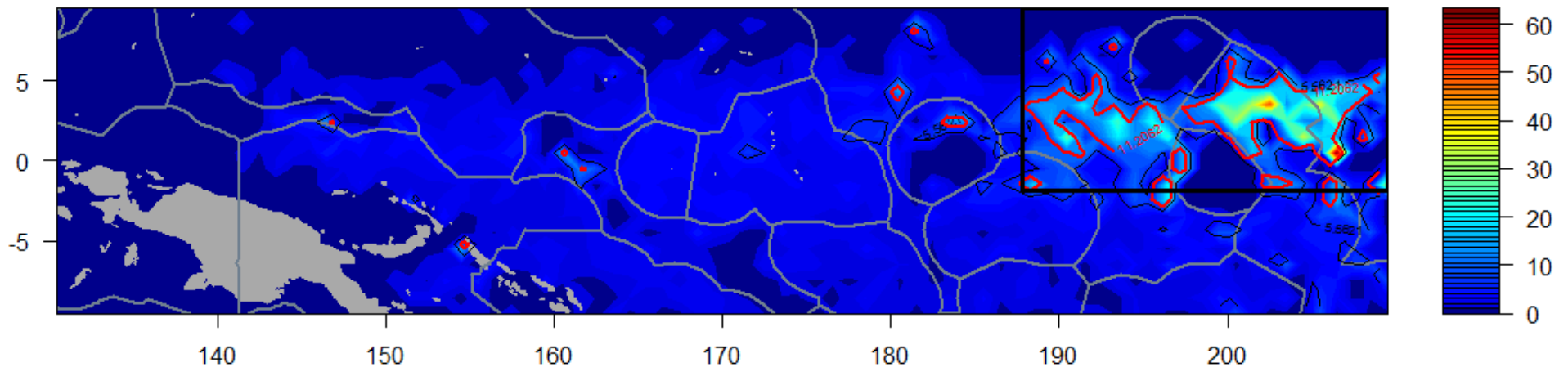


Table 7. Percentage of tuna catch within the ‘CPUE hotspot’ area per year.

Year	% BET catch hotspot	% SKJ catch hotspot	% YFT catch hotspot	% total catch hotspot	% ass. set hotspot
2011	5.90	1.72	1.89	2.05	1.07
2012	8.11	1.72	2.85	2.20	1.26
2013	13.90	2.74	3.91	3.72	2.45
2014	12.70	2.15	2.57	2.80	1.96
2015	12.77	10.32	7.70	10.16	6.64
2016	2.85	1.09	1.58	1.25	1.08



**The 13th Session of the Scientific Committee
Cook Islands, 7-19 August 2017**

**Management Advice for
Bigeye, Yellowfin and Skipjack Tuna**

**Berry Muller
SC Chair**

WCPO Bigeye Tuna

General notes:

Though 2017 assessment has a significant improvement, the amount of uncertainty is higher than 2014 assessment due to the inclusion of new information (growth and regional structures).

2017 Assessment outcomes

Noting the level of uncertainties,

- a) Spawning biomass is likely above the biomass LRP ($20\%SB_{F=0}$).
 - the stock is not in an overfished condition (84% probability)

- b) Recent fishing mortality ($F_{2011-2014}$) is likely below F_{MSY} .
 - the stock is not experiencing overfishing (77% probability)

WCPO Bigeye Tuna

Recommendations

1. Fishery impact was higher in the tropical region, particularly on juvenile bigeye tuna. Therefore, SC13 recommends that WCPFC14 could continue to consider measures to reduce F from fisheries that take juveniles, with the goal to increase bigeye fishery yields and reduce any further impacts on the spawning potential for this stock in the tropical regions
2. As a precautionary approach, SC13 recommends that the F on bigeye tuna stock should not be increased from current level to maintain current or increased spawning biomass until the Commission establishes a target reference point
3. For further study, SC13 recommended to concentrate on the two axes of uncertainty, e.g. growth and regional structure

Bigeye Hotspots

1. In preliminary research, two bigeye hotspots were identified:
 - a) a high bigeye catch hotspot within the EEZs of Nauru and the Western part of Kiribati's Gilbert Islands; and
 - b) a high bigeye CPUE hotspot in the tropical North-Eastern area.

2. While several challenges were identified in considering spatial management options for bigeye tuna (SC13-MI-WP-07), the SC recommended that this meeting note the preliminary results contained in the report.

WCPO Yellowfin Tuna

Assessment outcomes

1. Noting the level of uncertainties,
 - a) Spawning biomass is likely above the biomass LRP ($20\%SB_{F=0}$)
 - the stock is not in an overfished condition (92% probability)
 - b) Recent F ($F_{2011-2014}$) is likely below F_{MSY}
 - the stock is not experiencing overfishing (96% probability)
2. Fishing mortality for both juvenile and adult show a steady increase since the 1970s:
 - Adult F has increased continuously; but
 - Juvenile F has stabilized since the late 1990s at a level similar to adult F

WCPO Yellowfin Tuna

Recommendations

1. SC13 recommends that WCPFC could consider measures to reduce F from fisheries that take juveniles, with the goal to increase to maximum fishery yields and reduce any further impacts on the spawning potential for this stock in the tropical regions
2. SC13 recommends that the current spawning biomass levels be maintained until the Commission establishes a target reference point
3. For further research, SC13 encouraged reviewing yellowfin growth through otolith study for future assessment

WCPO Skipjack Tuna

General notes

1. The stock is currently moderately exploited and fishing mortality level is sustainable.
2. Additional purse-seine effort will yield only modest gains in long-term catches, and may result in a corresponding increase in fishing mortality for bigeye and yellowfin tunas.
3. Skipjack spawning biomass is now around the adopted TRP.

Recommendations

1. SC13 reiterated the SC12 recommendation that the Commission take action to keep the spawning biomass near the TRP, and also advocates for the adoption of harvest control rules based on the information provided.

Thank you...





**The Intersessional Meeting to Progress the Draft Bridging Measure for Tropical Tunas
Hilton Hawaiian Village Beach Resort & Spa
Honolulu, Hawaii
24 August 2017**

Chair's Summary of Issues for Further Discussion at WCPFC14


Traffic Light Dashboard

	On track for agreement
	Progress possible
	Significant negotiation required


NOTE: This document is the Chair's attempt to capture the key outstanding issues that will form the basis of discussion at WCPFC14. It is not an agreed record of discussion and is not intended to exclude or prevent other issues being raised.







INTRODUCTORY PARAGRAPHS 1-11

ISSUE	STATUS	FURTHER DISCUSSION
<ul style="list-style-type: none"> Principles for Application of the Measure 		<ul style="list-style-type: none"> Placement and drafting of provisions in the Bridging Measure, relating to SIDS

PURSE SEINE FISHERY – FAD Management

ISSUE	STATUS	FURTHER DISCUSSION
<p>Closures vs FAD set limits:</p> <ul style="list-style-type: none"> CCM-based FAD set limits Zone-based FAD closures High seas FAD closures 		<p><u>Small Working Group outputs:</u></p> <ul style="list-style-type: none"> Option 1 - CCM 2016-01 (2017 FAD closure limits), 4 month FAD closure/flag state option for 4th month+ high seas FAD closure (Kiribati exemption and footnote3). Option 2 - 2a - PNA, 3 Month FAD closure + High Seas FAD closure (Kiribati exempt); 2b - 3 Month FAD closure and 5 month high seas FAD closure. Option 3 - 3a - USA, No FAD closure, hard FAD set limits option 3a USA to provide hard limit; 3b - ask SPC to calculate limit necessary to meet objective.



ISSUE	STATUS	FURTHER DISCUSSION
		<ul style="list-style-type: none"> - Option 4 - Japan, 4 month closure/flag state option for 4th month + high seas FAD closure (no Kiribati exemption), 5th month FAD closure for non-SIDS fleets averaging >500mt of Bigeye per purse seiner. 350 FAD limit (cannot be assessed by SPC). - Option 5 - Zone-based FAD set limits, with equal SIDS allocation on the high seas.
Definition of FADs		<ul style="list-style-type: none"> - Differing views on amending the definition
Exploratory FAD fishing in EEZ		<ul style="list-style-type: none"> - Niue proposal
Philippines fleet in HSP1		<ul style="list-style-type: none"> - Continuation of application of existing measure
Ecological impact of FADs		<ul style="list-style-type: none"> - Need concrete proposal on non-entangling FADs



PURSE SEINE FISHERY – Effort Control


ISSUE	STATUS	FURTHER DISCUSSION
<p>Purse seine effort control:</p> <ul style="list-style-type: none"> • EEZ vs High Seas • Olympic allocation system for high seas limits • CCM-based limits/control • Exemptions (dependent on limits) 		<ul style="list-style-type: none"> – Coastal States to set effort (or catch) limits within their EEZs – No purse seine fishing in the high seas area, south of 20S and restrict north of 20N to 2010 levels – Quarterly limits on the high seas effort (and the Olympic system) – CCM-based limits throughout the Convention area; or between 20S and 20N – Quarterly limits on the high seas, based on 2010 level (and the Olympic system) – Non-PNA SIDS proposal

PURSE SEINE FISHERY – Yellowfin catch limits



ISSUE	STATUS	FURTHER DISCUSSION
<p>Setting yellowfin catch limits</p>		<ul style="list-style-type: none"> – Differing views on need for hard limits



PURSE SEINE FISHERY – Capacity


ISSUE	STATUS	FURTHER DISCUSSION
Limit number of vessels Restructure fleet Exemptions		Possible options: <ul style="list-style-type: none"> – Existing provisions from CMM 2016-01 (some or all paragraphs 49-55) – No provisions on Capacity – Pending outcome of discussions on zone-based vs flag-based FAD and effort limits

PURSE SEINE FISHERY – Transferability of effort limits


ISSUE	STATUS	FURTHER DISCUSSION
Global transferability that covers both catch limits and effort limits		<ul style="list-style-type: none"> – Discussion required on concept
Transferability for non-PNA SIDS		<ul style="list-style-type: none"> – Transferring of in-zone limits to other CCMs to be used on the high seas





PURSE SEINE FISHERY – Catch Retention

ISSUE	STATUS	FURTHER DISCUSSION
Inclusion of longline		Possible options: <ul style="list-style-type: none"> - Development of standalone proposal on longline discard ban - Not having longline catch retention clauses

PURSE SEINE FISHERY – Research


ISSUE	STATUS	FURTHER DISCUSSION
Level of obligation to conduct research on yellowfin and bigeye fisheries		<ul style="list-style-type: none"> - Clarification of obligation and drafting


LOONGLINE FISHERY – Catch and effort limits


ISSUE	STATUS	FURTHER DISCUSSION
Zone-based / flag-based Area of application Exemptions		<ul style="list-style-type: none"> – Global limit on the high seas effort (and the Olympic system) with no SIDS exemption – Zone-based management and high seas bigeye catch limits with SIDS exemption – CCM-based limits between 20S and 20N, with no SIDS exemption – CCM-based catch limits with most SIDS having a minimum catch limit of 2,000 mt
Yellowfin catch limits		<ul style="list-style-type: none"> – Differing views on need for hard limits



LOONGLINE FISHERY – Capacity



ISSUE	STATUS	FURTHER DISCUSSION
Limits on vessel numbers and types Fleet structure		<ul style="list-style-type: none"> - Differing views on need for capping vessel numbers - Pending discussions on capacity limits

OTHER COMMERCIAL FISHERIES

ISSUE	STATUS	FURTHER DISCUSSION
Setting a hard limit or taking a stepwise approach		<ul style="list-style-type: none"> - PNA and US will work together to agree an approach



MCS PROVISIONS

ISSUE	STATUS	FURTHER DISCUSSION
<ul style="list-style-type: none"> • Transshipment - LL • VMS - LL • Observer Coverage - LL 		<ul style="list-style-type: none"> – Differing views on transshipment ban or additional controls on transshipment at sea – Differing views on manual reporting ban for longline – Differing views on increasing observer coverage on longline vessels; discussion of e-monitoring – Differing views on the area of application of MCS measures
<ul style="list-style-type: none"> • Charters – PS and LL • Monthly BE Reporting - LL 		<ul style="list-style-type: none"> – Differing views on removal vs retention of provisions in the bridging measure – SWG on LL measures proposed deletion of monthly BE reporting requirement in the bridging measure; deletion subject further strengthening of other MCS tools

PREAMBLE: Not yet discussed; pending finalization of operative provisions.

Tasking to Scientific Services Provider for WCPFC14

Evaluation Criteria

In evaluating the performance of management measures in relation to the interim objectives for **bigeye and yellowfin** the following evaluation criteria will be considered:

- the spawning biomass depletion ratio ($SB/SB_{F=0}$) is to be maintained at or above the average $SB/SB_{F=0}$ for 2012-2015
- the fishing mortality is to be maintained at or below the average fishing mortality level in 2011-2014
- the fishing mortality at F_{MSY}
- the risk of breaching the adopted limit reference point of 20% of the estimated recent average spawning biomass in the absence of fishing
- Vulnerable biomass
- [relative impact on spawning biomass by fishery sector/gear]

In evaluating the performance of management measures in relation to the interim objectives for **skipjack** the following evaluation criteria will be considered:

- Catches
- Vulnerable biomass
- the spawning biomass depletion ratio ($SB/SB_{F=0}$) is to be maintained on average at the target reference point
- the fishing mortality is to be maintained at or below the average fishing mortality level in 2011-2014
- the fishing mortality at F_{MSY}
- the risk of breaching the adopted limit reference point of 20% of the estimated recent average spawning biomass in the absence of fishing
- [relative impact on spawning biomass by fishery sector/gear]

Management Options

Option 1 –

1a CCM 2016-01 (2017 FAD closure limits), 4 month FAD closure/flag state options for 4th month + high seas FAD closure (KI exemption and footnote3)

1b – 2015-16 measures

1c – 2012-15 measures

Option 2 –

2a – PNA, 3 months FAD closure + (3/4/5/6/9/12 month) high seas FAD closure (KI exempt); + total effort equals 3/4/5000 days on the high seas.

Option 3 –

3a - USA, No FAD closure, hard FAD set limits option (USA to provide hard limit);

3b - ask SPC to calculate limit necessary to meet objective.

Option 4 - Japan, 4 month closure/flag state option for 4th month + high seas FAD closure, 5th month FAD closure for non-SIDS fleets averaging >500mt of Bigeye per purse seiner (average 2010-2013 – check ref).

Option 5 – 3 month FAD closure, zero effort (PS) for 3 months in the high seas

