

Pacific Community Communauté du Pacifique

Overview of tuna fisheries in the Western and Central Pacific Ocean, including economic conditions – 2017 (WCPFC-SC14-2018 -- WP-GN-1)

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Fourteenth Regular Session of the Scientific Committee (SC 14) 8-16 August 2018 Busan, Republic of Korea

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## WCP-CA Tuna Catch by gear

#### Highlighting 2017 catches



#### 2017 Provisional estimates

- Total Catch 2,539,950 mt (↓ lowest for 6 years...)
- Purse seine -1,812,474 mt (71%  $\rightarrow$ ; similar to 2016...)
- Longline 240,387 mt (9% ↑; but lower than recent 5-yr average)
- Pole-and-line 151,232 mt (7%  $\downarrow$ ; lowest since mid-1960s)
- Other (mainly ID/PH artisanal)  $(13\% \downarrow)$

## WCP-CA Tuna Catch by species

#### Highlighting 2017 catches



## WCP-CA Tuna Catch Value by gear

#### Highlighting 2017 values



### WCP-CA Tuna Catch Value by species

Highlighting 2017 values



Number of vessels (according to WCPFC CCM submissions)



Also please see APPENDIX : Table A3 for vessel numbers according to logbooks



#### Cumulative monthly effort (according to VMS data)



Excludes Indonesia/ Philippines domestic fisheries; includes some transit days

Trends in the proportion of EFFORT and CATCH by set type (major fleets)





2017 Effort = 68% 2017 Catch = 55%

CATCH



Drifting FAD 2017 Effort = 27% 2017 Catch = 40%



Distribution of effort

2017 - neutral ENSO conditions... More effort in the west...



Distribution of effort



2017 – similarity with last neutral ENSO year in 2012

Quarterly Distribution of catch by species

#### Average 2000-2016



#### 2017



Species composition by broad area, set type and size class





### WCP-CA Purse seine fishery – Nominal CPUE



1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016

#### Average Monthly SKJ (top) and YFT (bottom) CPUE, 2010-2017





Good catches of large YFT from UNA schools in 2017

### Purse seine – Economic Overview

### **Skipjack Prices**



#### <u>2017</u>

#### Thai imports \$1,782/mt

Up 25% on 2016 Up 50% on 2015 3<sup>rd</sup> highest in nominal terms but still 15% lower than 2012 5<sup>th</sup> highest in real terms **Yaizu \$1,998/mt** Up 22% on 2016 Up 48% on 2015 2<sup>nd</sup> highest in nominal terms and just 5% lower than 2012 3<sup>rd</sup> highest in real terms 25% higher than the 20 year average

### Purse seine – Economic Overview

#### Catch value



### Purse seine – Economic Overview

### **Economic Conditions**



Good economic conditions maintained in 2017 due to a significant rise in prices which offset declines in catch rates.

Best 5 years occurred in last 6 years

- 2012, 13 and 17 conditions driven by high prices
- 2015 and 16 conditions driven by high CPUE

PURSE SEINE ECONOMIC CONDITIONS INDEX

## WCP-CA Pole-and-line fishery



Annual catch by species

### Pole and line – Economic Overview

#### Catch value



#### <u>2017</u>

Total value \$348m

- Down 8% significantly less than the 24% decline in catch due to higher prices.
- 47% lower than 2012 peak

Annual catch (mt) by species - Highlighting 2017 catches (prov.)



#### Annual TUNA SPECIES COMPOSITION



#### ALB catch rebound in 2017 – link to recent changes in ENSO ?

Catch (mt)

Quarterly Distribution of Catch by species 2010-2016 compared to 2017

Average 2010-2016













Quarterly Distribution of Catch by species 2010-2016 compared to 2017

Average 2010-2016

2017











# Longline – Economic Overview Yellowfin prices (Yen LHS – US\$ RHS)



#### 2017

Prices in Japan generally saw significant increase to be at or near highest levels over past 2 decades:

- Yaizu LL caught up 32% to ¥819/kg
- Frozen prices at selected port prices up by 34% to ¥926/kg,
- Fresh prices at selected port prices were up 29% to ¥931/kg.
- Fresh imports from Oceania up 3% to ¥1,065/kg

Prices for US fresh imports rose 2% to \$9.27/kg

# Longline – Economic Overview Bigeye prices (Yen LHS – US\$ RHS)



#### 2017

Prices in Japan declined or were steady

- Frozen prices at selected port prices down 9% to ¥937/kg,
- Fresh prices at selected port prices down 7% to ¥1,353/kg
- Imported fresh bigeye from Oceania steady at ¥1,140/kg.

Prices for US fresh imports were steady at \$8.77/kg

# Longline – Economic Overview Albacore prices (US\$)



# Longline – Economic Overview Swordfish and striped marlin prices (Yen LHS – US\$ RHS)



# Longline – Economic Overview Catch value



#### <u>2017</u>

Total **tuna** catch value \$1.46b Down marginally on 2016

Albacore \$287m Up 26% (\$59m) driven by 24% increase in catch

Yellowfin \$648m Down 2% driven by 6% decline in catch

Bigeye \$524m Down 7% driven by similar decline in catch Lowest value since 2005

# Longline – Economic Overview Economic Conditions – Southern Longline



SOUTHERN LONGLINE ECONOMIC CONDITIONS INDEX

In 2017 economic conditions index stood at 108 its highest reading since 2008.

Improvement in the economic conditions in the southern longline fishery in recent years driven by higher catch rates and lower costs.

Important to note that after peaking in 2012 effort levels declined significant through to 2016 (when it was 32% lower than in 2012) but with economic conditions improving effort increased in 2017 to be at its highest level since 2013 and 30% higher than 2016 levels.

# Longline – Economic Overview Economic Conditions – Tropical Longline



**TROPICAL LONGLINE ECONOMIC CONDITIONS INDEX** 

# WCP-CA Tuna Fisheries

### 2017 – MAIN POINTS OF INTEREST

#### 1. Trends in catch estimates

- Total catch 2,539,950 mt
- Record Total YFT catch 670,890 mt
- Record PS YFT catch 472,279 mt
- Record SPAC ALB catch 92,291 mt
- Record SPAC LL ALB 89,388 mt
- LL BET catch
- PL lowest since 1960s 151,232 mt

- (↓ **5%** lowest since 2011)
- ( $\uparrow$  4% due to record in PS fishery)
- ( $\uparrow$  2% good catches in 1<sup>st</sup> 3<sup>rd</sup> qtrs)
- ( $\uparrow$  35% due to Longline increase)
- ( $\uparrow$  36% China took 45% of catch)
- (**8%** lowest since 1996 Provisional ?
- (↓ 24% drop in Indonesia catch)

#### 2. PS fishery in 2017

• Clear drop in SKJ catch and CPUE (related to move from El Nino to neutral ENSO ?)

- 58,164 mt

- Continuation of good Yellowfin catches (RECORD)
- Drop in PS BET catch (but provisional)
- Neutral ENSO conditions more effort/catch further west (similar spatially to 2012)
- Combined Pacific Island PS fleet continues to be most significant (36% of PS catch)
- 3. Increases in purse seine and declines in longline catch values
  - LONGLINE US\$ 1.5 billion (steady)
  - PURSE SEINE US\$ 3.4 billion (24% increase on 2016)
  - Total US\$ 5.8 billion