



COMMISSION
EIGHTH REGULAR SESSION
Tumon, Guam, USA
26-30 March 2012

SPC - SELECTED OUTCOMES FROM PROJECTIONS -

WCPFC 2011-IP-13
29 March 2012

SELECTED OUTCOMES FROM PROJECTIONS

The following tables have been constructed from the projection spreadsheet
<http://www.wcpfc.int/doc/WCPFC8-2011-43a/Projections-recent-av-recruitment>

Assumptions:

1. Archipelagic waters purse seine effort remains at the 2010 level, approximately 7,500 days, approximately 70% of which is FAD based (based on recent average conditions) and is unaffected by either FAD or TOTAL closures.
2. Non-archipelagic waters purse seine effort remains at the 2010 level (in the absence of total closures), approximately 53% of which is FAD-based in the absence of FAD closures (2001-2008 average). FAD or TOTAL closures apply to this component of the purse seine fishery.
3. The longline catch of 75,000 mt is approximately equivalent to the 2009 catch and comprises all required reductions under CMM 2008-01.
4. The longline catch of 65,000mt is approximately equivalent to the 2010 catch.

PHID = 2009	FAD CLOSURE DURATION (months)			
	3	4	5	6
LONGLINE CATCH				
75,000	1.31	1.25	1.19	1.12
65,000	1.25	1.19	1.14	1.08
60,000	1.22	1.17	1.11	1.05
55,000	1.20	1.14	1.08	1.03
50,000	1.17	1.11	1.06	1.00

PHID = 2010	FAD CLOSURE DURATION (months)			
	3	4	5	6
LONGLINE CATCH				
75,000	1.19	1.13	1.07	1.01
65,000	1.13	1.08	1.02	0.97
60,000	1.11	1.05	1.00	0.95
55,000	1.08	1.03	0.98	0.93
50,000	1.06	1.00	0.95	0.90

PHID = 2009	<u>TOTAL CLOSURE DURATION</u>			
	(months)			
LONGLINE CATCH	3	4	5	6
75,000	1.27	1.19	1.11	1.04
65,000	1.21	1.14	1.06	0.99
60,000	1.18	1.11	1.04	0.96
55,000	1.16	1.09	1.01	0.94
50,000	1.13	1.06	0.99	0.92

PHID = 2010	<u>TOTAL CLOSURE DURATION</u>			
	(months)			
LONGLINE CATCH	3	4	5	6
75,000	1.14	1.07	1.00	0.92
65,000	1.09	1.02	0.95	0.88
60,000	1.07	1.00	0.93	0.86
55,000	1.04	0.98	0.91	0.84
50,000	1.02	0.95	0.89	0.82

The EU asked what proportion of bigeye overfishing is attributable to the longline, purse seine and ID/PH exemptions individually. As per the assumptions made in WCPFC7-15 and carried over into WCPFC8-43-rev1, the following percentages of bigeye overfishing would be removed if the exemptions did not exist for each individual fishery category:

Longline	11%	(F/Fmsy reduced from 1.35 to 1.31)
Purse seine	23%	(F/Fmsy reduced from 1.35 to 1.27)
PH/ID	14%	(F/Fmsy reduced from 1.35 to 1.30)

The sum of these effects is 48%, which is consistent with our statement that the net effect of all exemptions is approximately 50% of the overfishing that is able to occur under CMM 2008-01 as written (F/Fmsy reduced from 1.35 under the CMM to 1.17 without exemptions).