

THE PEW CHARITABLE TRUSTS



Summary of existing measures

Presentation to the WCPFC FAD Working Group

Pohnpei, FSM, Sept. 28-30 Dave Gershman





- Introduction
- Comparison of measures across RFMOs
- WCPFC-specific measures
 - FAD management plans
 - FAD closure
- Recommendations



Measures to do what?

- To enable FAD use within biological parameters
 - 1. Collect data
 - 2. Manage bycatch, ecosystem impacts
 - 3. Mitigate juvenile tuna catch



Comparison of selected FAD-related measures

Measure	IATTC	ICCAT	ΙΟΤϹ	WCPFC
Management Plans	No	Yes	Yes	Yes
Reporting FAD activity, numbers	Yes	Yes	Yes	No
Support vessels	No	Yes	Yes	No
Marking, ID FADs	Yes (2017)	No	Pending	No
Non-entangling	No (should be deployed)	Yes (2017)	No (to be phased-in)	No
Biodegradable	No (should be promoted)	No (should be prioritized)	No (should be promoted)	No
Restrict numbers of FADs	No	Yes (monitored)	Yes (monitored)	No
Catch limits	No	Yes (TAC for YFT, BET)	Yes (TAC for YFT)	No
Time area closures	Yes	Yes	No	Yes

3 Take-Away Points

- 1. Different approaches reflecting different priorities across RFMOs
- 2. Although having the largest number of deployments, WCPFC has fewer FAD measures
- 3. No RFMO has a systemic approach to manage FADs



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FAD Management Plans

- Required by several iterations of the tropical tuna measure
- Para 37 requires submission, with strategies to limit capture of small BET and "at a minimum meet" suggested guidelines
- Guidelines specified in Attachment E



Updated Assessment

Criteria from Attachment E, CMM 2015-01	China	Chinese Taipei	Ecuador	El Salvador	EU	FSM	Indonesia
Year of issue	2013	2009	No plan on file	2012	2010	2009	2014
Scope							
Vessel-types		r		·			
FAD types							
Max FAD numbers permitted to be deployed		5				1	
Reporting procedures for deployment							
Catch reporting from FAD sets		0					
Incidental by-catch reduction and utilization policy						()	
Consideration of interaction with other gear types							
Statement or policy on "FAD ownership"						1	
Institutional arrangements for management of the FAD Management Plans							
Institutional responsibilities		a					
Application processes for FAD deployment approval							
Obligations of vessel owners and masters in respect of FAD deployment and use				1		(
FAD replacement policy						1	
Reporting obligations		N				1	
Observer acceptance obligations						1	
Relationship to Catch Retention Plans							



Conclusion

- 1. No CCM's plan met minimum criteria
- Plans range widely in format and detail
- 3. Older plans not updated, appear out of date
- 4. Not satisfactory as information gathering tool



FAD Closure

FAD Closures and Purse Seine Bigeye Catches





Source: Table A3, WCPFC-SC12-2016/GN-WP-01-rev 3 Excludes domestic PS effort in Philippines, Indonesia and Vietnam

Options Studied

Option	BET Mitigation Result
Extending the FAD closure	X
Design changes to FADs	X
Operational changes to PS vessels	X
Species discrimination	X

Paper: IWG01-OP01



FAD Set Levels



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Concluding Points

- No RFMO has a full system to manage FADs.
- Objective of FAD management should be to enable their use within safe biological parameters.
- Little to no acknowledged 'best practice' on how to do this.



A Comprehensive Approach

- Data collection and protocols to minimize ecosystem impacts, calibrated to the specifics of the fishery and responsive to changing conditions
- FAD tracking offers scientific data to be used in research
- Without more research, FAD set limits can manage impacts on bigeye at an aggregate level





Thank you!



Estimating The Use of FADs Around the World

An updated analysis of the number of fish aggregating devices deployed in the ocean