Tab D, No. 4(a)

Shrimp Amendment 18: Modifying the Shrimp Effort Threshold

Background

- Threshold was put in place in Amendment 14
  - Bycatch of red snapper was a primary factor affecting recovery
  - Indicated a need for a reduction in red snapper bycatch
  - Initial reduction was based on the average effort in the baseline years 2001-2003
  - Effort from the shrimp fishery was outlined to be reduced by 74%, then drop to 67% in 2011
  - Amendment outlined that effort should be reduced by 60% in 2032 (when red snapper was projected to be rebuilt)

Background

- Updated information
  - Red snapper status has changed
  - Effect of shrimp fishery on mortality is less than previously thought
  - Shrimp fishery has never exceeded effort and is contracting
  - While red snapper catches have increased with rebuilding, shrimp fishery has not seen any gains

Year	Threshold level	% Effort reduction of industry from 2001-2003 baseline
2008	74	83.6
2009	74	77.9
2010	74	80.7
2011	74*	67.8
2012	67	81.7
2013	67	73.1
2014	67	67.4
2015	67	71.7
2016	67	68.6
2017	67	67.1

Purpose and Need

- The purpose of this action is to reduce the red snapper bycatch reduction target in the federal Gulf shrimp fishery in response to the latest Gulf red snapper stock assessment.

- The need for this action is to promote economic stability in the federal Gulf shrimp fishery by reducing effort constraints and to equitably distribute the benefits from rebuilding, while continuing to protect, the Gulf red snapper stock.

Action 1: Allow shrimp effort to increase

- Alternative 1: No Action
  - Unclear if the reduction to 60% would be automatic in 2032
- Alternative 2: Set a static shrimp effort reduction goal for shrimp effort
  - 63%
  - 60%
  - 56%
- Alternative 3: Set a timeline for incremental changes to the shrimp effort reduction goal
  - (Table on next page)

Action 1: Allow shrimp effort to increase

- Alternative 3: continued

Option a: Change every 2 years									
Target	Total % change	% Change each interval	2020	2022	2024	2026	2028	2030	2032
Suboption a: 60	7	1	66	65	64	63	62	61	60
Suboption b: 56	11	1.6	65.4	63.9	62.3	60.7	59.1	57.6	56
Option b: Change every 5 years									
Target	Total % change	% Change each interval	2020	2025	2030	2032	-	-	-
Suboption a: 60	7	1.75	65.25	63.5	61.75	60	-	-	-
Suboption b: 56	11	2.75	64.25	61.5	58.75	56	-	-	-

Action 1: Information to Consider

Year	ABC					
	SEDAR 52 Base (current 67%)	Reduce to 60%	Reduce to 56%	Reduce to 40%	Reduce to 0%	Assessment based on F in 2001-2003
2019	16.0	16.0	16.0	14.7	13.1	13.3
2020	15.0	15.0	15.0	13.9	12.5	12.7
2021	14.3	14.3	14.2	13.3	12.0	12.2
2022	13.8	13.7	13.7	12.8	11.5	11.7
2023	13.4	13.3	13.3	12.4	11.1	11.2
2024	13.2	13.1	13.0	12.2	10.7	10.9
2025	13.1	13.0	12.9	12.0	10.6	10.7
2026	13.0	13.0	12.8	12.0	10.5	10.7
2027	13.0	12.9	12.8	12.0	10.5	10.6
2028	13.0	12.9	12.8	11.9	10.5	10.6
2029	13.0	12.9	12.8	11.9	10.5	10.6
2030	13.0	12.9	12.8	11.9	10.4	10.6
2031	13.0	12.9	12.8	11.9	10.4	10.6
2032	13.0	12.9	12.8	11.9	10.4	10.6

*Full Report is in Appendix A

Additional Questions

- Would the Council like to add an action that would develop a framework procedure to reduce the effort threshold?
- Are there any other effort reductions that the Council would like to consider?
- Are the range of alternatives appropriate?