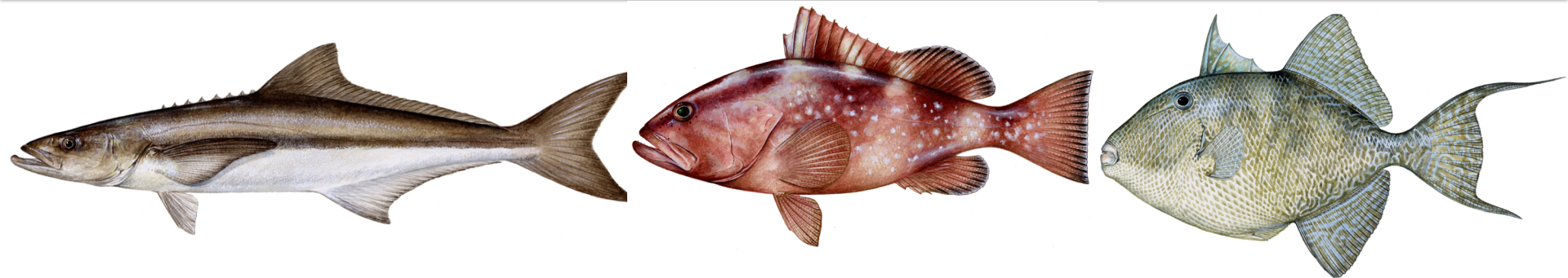




Tab V, No. a

Management Considerations for Using Interim ABC Analyses



Council Motion – October 2019

- SEDAR 61 2019 was completed and reviewed by the SSC and provided to Council
 - BUT given red grouper's intermittent recruitment and vulnerability to red tide, the Council passed the following motion for Gulf red grouper
- **Motion**: To ask the Science Center to conduct interim analyses of red grouper annually starting in 2020.



Interim Analysis

- Uses Harvest Control Rule
- Where ABC from assessment = 4.9 mp gw
 - SSC recommended ABC at Sept 2019 meeting
 - Based on 76% com : 24% rec allocation
 - ABC is in MRIP-FES units
- Future catch projections assumed 2019 landings with commercial ACL = 3.16 mp gw (MRIP-CHTS units) & 2019 recreational landings equal to 2018 landings (210,613 fish)* Table 5.2 in SEDAR61 assessment



Commercial and recreational ACLs, ACTs, and landings for red grouper in pounds

gutted weight (gw) in CHTS units for years in which an ACL and/or an ACT was in place. In 2010 the IFQ program was implemented. In 2013, a Post-Season Accountability Measure for the recreational sector was triggered, and in 2014, the recreational sector was managed to the ACT instead of ACL. In 2015, there was an in-season closure for the recreational sector. The commercial 2021 landings are through April 22,

Year	Commercial ACL	Commercial ACT	Commercial Landings	Commercial %ACT	Recreational ACL	Recreational ACT	Recreational Landings	Recreational %ACL
2004	N/A	5,310,000	5,635,577	106.1%	N/A	N/A	N/A	N/A
2005	N/A	5,310,000	5,380,603	101.3%	N/A	N/A	N/A	N/A
2006	N/A	5,310,000	5,109,824	96.2%	N/A	N/A	N/A	N/A
2007	N/A	5,310,000	3,650,777	68.8%	N/A	N/A	N/A	N/A
2008	N/A	5,310,000	4,748,224	89.4%	N/A	N/A	N/A	N/A
2009	N/A	5,750,000	3,698,227	64.3%	N/A	N/A	N/A	N/A
2010	N/A	5,750,000	2,910,970	50.6%	1,850,000	N/A	635,680	34.4%
2011	N/A	5,230,000	4,783,668	91.5%	1,510,000	N/A	643,745	42.6%
2012	6,030,000	5,370,000	5,219,133	97.2%	1,900,000	N/A	1,752,930	92.3%
2013	6,030,000	5,530,000	4,599,001	83.2%	1,900,000	N/A	2,377,111	125.1%
2014	6,030,000	5,630,000	5,601,144	99.5%	1,900,000	1,730,000	1,600,475	92.5%
2015	6,030,000	5,720,000	4,797,159	83.9%	1,900,000	1,730,000	1,847,573	97.2%
2016	8,190,000	7,780,000	4,497,582	57.8%	2,580,000	2,370,000	1,403,236	54.4%
2017	8,190,000	7,780,000	3,328,271	42.8%	2,580,000	2,370,000	807,085	31.3%
2018	8,190,000	7,780,000	2,363,280	30.4%	2,580,000	2,370,000	872,045	33.8%
2019	3,160,000	3,000,000	2,037,046	67.9%	1,000,000	920,000	764,985	76.5%
2020	3,160,000	3,000,000	2,368,322	78.9%	1,000,000	920,000	TBD	TBD
2021	3,160,000	3,000,000	1,091,946	36.3%	1,000,000	920,000	TBD	TBD

Limitations of Interim Analysis

- Assumes Council will implement the 4.9 mp gw **ABC** and current sector allocation **(Alternative 2)**

	OFL*	ABC	Total ACL	Comm ACL	Rec ACL
Alt 1**	14.16	13.92	4.16	3.16	1.00
MRIP FES equivalent			(5.26)		(2.10)
Alt 2***	5.35	4.90	4.90	3.72	1.18
Preferred Alt 3***	4.66	4.26	4.26	2.53	1.73
Alt 4***	4.70	4.30	4.30	2.60	1.70
Alt 5***	4.67	4.28	4.28	2.56	1.72
Alt 6***	5.03	4.60	4.60	3.16	1.44

Management Considerations

- Recent landings not reaching catch limits, for recreational sector in MRIP-CHTS
- Although this interim analysis for 2020 indicates the ABC could be increased by ~1 mp ww from 4.90 mp ww it is not based on Council's current preferred alternative for sector allocations
- Until the Council decides on sector allocations and corresponding catch advice (OFLs, ABCs, ACLs) from SEDAR 61, Interim Analysis **should not** be used to modify catch advice



Management Considerations

- **Instead**: Use Interim Analysis as a “health check”; SEFSC can provide updated indices of abundance, annually
- Future Interim Analysis can be updated with sector allocations and corresponding ABC and OFL catch levels
- Council can consider changes to catch advice through a Framework Action or other vehicle



Questions?

