Cou			What does this policy address:	Does the Council also	When was the current policy		Is the policy FMP- specific, or does one	How was the	Is the policy incorporated	What decisions does the policy	What factors are included in the policy: biological, economic, environmental,	Was the policy tested using Management Strategy Evaluation	Does the policy address flexibility in applying its provisions? For example, in a	Does the SSC deviate from the ABC	Has the Council evaluated its risk policy? What were the key conclusions of that evaluation? Did
	a f	formal risk o	only ABCs, all Council decisions, etc.?	have a separate ABC control rule policy?	adopted? Was this the initial policy, or does it modify an earlier policy?	ABC control rule		(e.g. in a plan amendment or other Council action, established	into the regulations?	address (e.g., determination of ABCs, all management	assessment uncertainty, etc.?	(MSE)?	Council with tiered ABC control rules based on assessment uncertainty, can the SSC modify its ABC recommendation in either direction based on other		the Council modify its policy as a result?
				poncy:	earner poncy:			as a policy in an operations handbook, etc.)?		decisions, etc.)?			factors?		
MA	FMC Ye	r	rule and a default level of uncertainty for the OFL	the ABC control rule and risk policy	The current rules were implemented in December of 2020. Prior to this, there was an omnibus framework action in 2018, and an interim framework action to the Mackerel, Squid and Butterfish FMP in 2012. The ABC control rule and risk policy were initially uniplemented in 2011.	Omnibus ABC and Risk Policy Framework Adjustment	All FMPs	Framework adjustment to the original Omnibus Amendment	Yes (85 FR 81152) and regulations - https://www.ecf r.gov/current/titl e-50/part- 648/subpart-b		Control rule - There are 4 Tiers of assessments. The SSC evaluates nine criterion to determine scientific uncertainty - these include eccoystem considerations, data quality, biological factors, and others. The risk policy considers biological implications - MSE reviewed stock productivity sensitivity analysis; and economic modeled catch levels and net economic gain/joss and stability for comm/rec. Environmental considerations are not in current regs; however, the Council is considering a separate risk policy for forage species (EAFM guidance doc).	fishery yield implications of different risk policy alternatives (Wiedenmann 2018). The MSE included an evaluation of five different alternatives, including the current risk policy, assuming two different of PLC of distributions (60% and 100%) with variable natural mortality, recruitment, and stock assessment data for summer flounder, scup, and butterfish. In 2019, pr. Wiedenmann updated	50 CFR 648.20: "The SSC may deviate from the control rule methods and recommend an ABC that differs from the result of the ABC control rule application;	although this occurence is rare. For there with an OFL all fisheries wave fallen into Tier 3 - assessments, where the SSC has into criteria they will evaluate to determine scientific uncertainty, which are detailed in the 2020 SSC report (linked in the narrative summany). The SSC can, and has, modified previous ABC recommendations and has done so in either direction. The SSC observeive previous ABC commendations on an annual basis, although a change in either direction does not happen too often. A change to a previous ABC recommendation so na nanual basis, although a change in either direction does not happen too often. A change to a previous ABC recommendation flypically occurs when compelling new information is available or a new analysis has been completed (e.g., a Canadian).	ves the MAFMC started to evaluate its original policy in 2016. In 2017, during the initial risk policy review, the Council agreed to postpone final action until after the completion of additional analyses, which more fully consider the social and economic impacts and trade-offs of different risk policy alternatives. The conclusion from the MSE stated the Council could take a little additional risk and result in increased economic benefits (e.g., summer flounder). The Council specified that the evaluation should assess the short- and long-term trade-offs between stock blomass protection, fishery yield, and economic benefits. Development of the Omnibus Risk Policy Framework was reinitiated in 2019, and the final rule published in 2020.
SAI	no se po Co ive Co in th	o, there is 1 ta a parate risk solicy. The omprehens e ABC e ABC occupant of Rule corporates is risk lerance olicy.		e ABC Control Rule Amendment is the primary risk policy. It includes a new ABC control rule, criteria and	The revised ABC Control Rule is in the process of being finalized and implemented in early 2023. It modifies the previous policies from 2015 (for the Snapper Grouper FMP only) and 2011 (Comprehensive Amendment).	Comprehensive ABC Control Rule Amendment	It applies to three FMPs: Dolphin Wahoo Fishery, Golden Crab Fishery, Golden Crab Fishery, and the Snapper Grouper Fishery. It does not apply to the Coastal Migratory Pelagics or Spiny Lobster FMPs, which have shared jurisdiction with the GMFMC, or the Shrimp and Coral/live bottom habitat FMPs.	A comprehensive amendment to the FMPs.	No, not at the time of this review (as the Amendment is under secretarial review). However, the original ABC Control Rules (2011 and 2015) were incorporated into regulations.	ABC control rules and phase-in of ABC control rules, uncertainty in assessments, and carry-over provisions.	The SSC proposed an evaluation method for developing a stock risk rating that includes biological, human dimensions, and environmental attributes to inform the risk of oversishing. Refer to page 12 of the Draft EA (or Appendix 6 of the narrative summary) for more information	No, not for determining the ABC control rule. However, there are MSE processes planned for other actions in Dolphin Wahoo FMP (SFFSC-led initiative) and Snapper-Grouper FMP.	Despite not having a separate, formal risk policy, the process that has been proposed in the new ABC control rule (CR) includes flexibility in three areas: 1) SSC assessment of uncertainty when developing ABC recommendations, 2) Council determination of risk tolerance (P*) to apply through the ABC recommendations, and 3) Allowance of carry-over and phase-in for specific situations. These provisions are not explicitly separate from the ABC CR but will be built into the new ABC CR through the amendment.	deviates from strict application of the approved ABC KR in Recessary to address scientific uncertainty, recruitment variability, declining population trends, or available information. If the SSC deviates from the ABC CR, it must provide a writter explanation describing my the deviation was necessary, how the alternative ABC recommendation is derived, and how the alternative	Yes, the original ABC CRs were implemented in 2011 and 2015, and started to be evaluated in 2016. In applying the current ABC (RS (as specified in the Comprehensive AL Amendment and Snapper Grouper Amendment 29), to different stocks and assessments from 2012-2016, the SSC began to express concerns that the rules lacked adequate resolution to distinguish differences in uncertainty levels across assessments, did not address continued developments in data-poor assessment methods, and mixed uncertainty evaluation (an SSC role under the MSA) and risk tolerance determination (a Council role under the MSA). Additionally, the existing CR does not provide a means to make use of 2020 guidance for National Standard 1 that increased the flexibility available to regional fisher ymanagement councils for managing catch limits by allowing phasing in of

Cou	ncil Do	oes the	What does this	Does the	When was the	What is it called	Is the policy FMP-	How was the	Is the policy	What decisions	What factors are included in the policy:	Was the policy tested using	Does the policy address flexibility in	Does the SSC deviate from the ABC	Has the Council evaluated its risk policy? What
l cou			policy address:		current policy		specific, or does one		incorporated		biological, economic, environmental,	Management Strategy Evaluation	applying its provisions? For example, in a		were the key conclusions of that evaluation? Did
				have a	adopted? Was this			(e.g. in a plan	into the		assessment uncertainty, etc.?	(MSE)?	Council with tiered ABC control rules	control rules.	the Council modify its policy as a result?
				separate ABC	the initial policy, or		FMPs managed by	amendment or	regulations?	determination of	assessment uncertainty, etc.	(mac).	based on assessment uncertainty, can		the council mounty to policy us a result.
	Po		decisions, etc.?		does it modify an		the Council?	other Council	regulations:	ABCs. all			the SSC modify its ABC recommendation		
		l'		policy?			the Council?	action, established		management			in either direction based on other		
				policy?	earlier policy?										
								as a policy in an		decisions, etc.)?			factors?		
								operations							
								handbook, etc.)?							
PFM	C No	0	N/A	Yes, the	The policies in the	The Groundfish	There is not one	Amendments to	The SSC-	The sigma-P*	For groundfish, the assessment categories	No	The SSC can only modify ABC	Yes, with good rationale, and	The HCRs were evaluated as part of Amendment
				Groundfish	Groundfish FMP	FMP primarily	policy, as each FMP	the FMP	recommended	policy addresses	(1- Data rich, 2- Data moderate, and 3 -		recommendations down.	typically a short-term deviation to	24 to the Pacific Groundfish FMP (2015) to develop
				FMP includes a	were initially	uses the term	has unique HCRs.		method for	the determination	Data poor) address scientific uncertainty			add precuation, although this is rare.	default HCRs. In 2018, the SSC held a meeting to
				sigma-P*	adopted with	harvest control	Both the Groundfish		incorporating	of ABCs. The HCRs	when determining the ABC. Other factors,				start the process to review analyses pertaining to
				policy to	Amendment 23 in	rules (HCRs), as	and Coastal Pelagics		scientific	address the	such as conservation concerns,				the scientific uncertainty in estimating OFL (sigma).
				determine the	2011. Since this	well as sigma	FMPs utilize the		uncertainty is	determination of	socioeconomic concerns, and ecological				The SSC recommendations for sigma values were
				ABC buffer,	time, the HCRs	values and P*	sigma-P* approach.		referred to as	ACLs, if an	considerations are taken into				adopted by the Council in 2019. These
				and harvest	were revised in	values, which is			the sigma-P*	additional	consideration for determining ACLs, when				recommendations are referenced in the narrative
				control rules	2015, and the the	referred to as			approach and is		an additional buffer is warranted.				summary (Section 2.3).
				(HCRs) to	Council adopted	the sigma-P*			discussed in	warranted.					. ,,,
				determine the	new approaches for				detail in the final						
				ACL if	determining sigma				rule for the 2011-						
				spawning	values in 2019,				2012 biennial						
				biomass is	following SSC				harvest						
				estimated to	recommendations.				specifications						
				be in the	recommendations.				and						
				precautionary					management						
				zone.											
				zone.					measures (76 FR						
									27508, May 11,						
									2011) and 2013-						
									2014 (77 FR						
									67974, November 12						
GMI	MC No	0	N/A	Yes, there is an	The ABC control	ABC Control	The current ABC	Amendments to	Yes, see Section	Determination of	Assessment model composition (i.e., type	No	Yes; however, it is unlikely that the SSC	Yes: however, if the SSC is aware of	Yes, see Section 4.3 of the narrative summary for
				ABC control	rule was		control rule was	FMPs	4.2 of the		of assessment - quantitative, age-				details. The Council is currently in the process of
				rule policy	implemented in		implemented as		narrative		structured, MSY-derived benchmarks,			model. it can deviate from	modifying it's control rules, and a new amendment
				,	2011 (effective date		part of three		summary for		proxy reference points, etc.) and			specifications in the ABC control rule	
					in January 2012).		actions: 1) Generic		links to the		characterization of scientific uncertainty			to better account for scientific	
					This is the original		ACL/AM		regulations.		(i.e., OFL considerations and inputs - e.g.,			uncertainty.	
					policy, and portions		Amendment for the				natural mortality, age and growth				
					of this are currently		GMFMC's Red				parameters, discard rates, discard				
					being revised in a		Drum, Reef Fish,				mortaility, and use of sensitivity runs;				
					new amendment		Shrimp, Coral, and				presence of retrospective patterns; and				
					that will build on		Coral Reefs FMPs. 2)				consideration of environmental				
					previous efforts.		Amendment 18 to				covariates). See kingfish example in				
					including a draft		the FMP for Coastal				Appendix 4 of the narrative summary.				
							Migratory Pelagic				Appendix 4 of the narrative summary.				
					generic amendment for		Resources of the								
1			J				Gulf of Mexico and								
ı					carryover										
ı					provisions and		Atlantic, and 3)								
ı					framework		Amendment 10 to								
ı					modifications in		the FMP for Spiny								
ı					2019. The SSC also		Lobster in the Gulf								
ı					started to analyze		of Mexico and South								
1			J		alternatives to		Atlantic. There are								
					Landar Alex ADC		Laurance to cultiple								

Coun	Council have a formal rist policy?	What does this e policy address: k only ABCs, all Council decisions, etc.?	Council also have a separate ABC control rule policy?	the initial policy, or does it modify an earlier policy?	(e.g. risk policy, ABC control rule tiers, etc.)?	Is the policy FMP- specific, or does one policy address all FMPs managed by the Council?	policy adopted (e.g. in a plan amendment or other Council action, established as a policy in an operations handbook, etc.)?	Is the policy incorporated into the regulations?	What decisions does the policy address (e.g., determination of ABCs, all management decisions, etc.)?	What factors are included in the policy: biological, economic, environmental, assessment uncertainty, etc.?		Does the policy address flexibility in applying its provisions? For example, in a Council with tiered ABC control rules based on assessment uncertainty, can the SSC modify its ABC recommendation in either direction based on other factors?		Has the Council evaluated its risk policy? What were the key conclusions of that evaluation? Did the Council modify its policy as a result?
NPFN	C They have a management to policy that has a number of policy objectives around making management decisions, but not a specific risk policy.	has a number of management policies. None of them are specific to risk policies; however, the		The initial ABC control rules were approved by the Council as amendments 44/44 to the groundfish FMPs (GOA and BSAI) in 1996, and BSAI) in 1996, and BSAI in 1996, and BSAI in 1996 and EAS and BSAI in 1996 as Amendments 56/56. In 2022, the Joint Groundfish Plan Teams and SSC started a workgroup to address the current policies, and that	OFL Control Rule (Tier System) - If a stock is in the level where biomass can be determined, a sloping harvest control rule is applied.	The OFL Control Rule is FMP specific, for groundfish.	FMPs. Also, the housekeeping amendment(s) brought language alignment with the MSA for the ACL and ABC control rule.	in rulemaking, categorized by	number of objectives around decisions.The control rules address setting	The Risk Table incorporates environmental and economic factors (see Appendix 2A in the narrative summary). The Control Rule (Tiers) only considers assessment uncertainty (see Appendix 2B in the narrative sumary).	evaluates the efficacy of the Tier System.	The SSC can only modify it down. The maximum permissable ABC is set by the tier and can't go higher, unless the tier changes.	Yes, they can; but only to reduce it.	In November and December 2022, the Joint Groundfish Plan Teams and the SSC identified a need for a workgroup to address the current policies for the application of harvest control rules for groundfish, and new approaches for accounting for changes in ecosystems related to climate change. While both the Plan Teams and the SSC identified several topics of interest related to this general topic, the recommendation was to allow the February 2023 SSC workshop to inform the specific scope and focus of a potential workgroup. Previously, the SSC held a workshop on risk tables, and summarized their review of the subgroup recommendations in the June 2021 SSC report (agenda Item D4 and Appendix A). See Section 4.3 of the narrative summary for more information.
WPRF	MC No	N/A		It was adopted in 2011, and it is the original policy.	Tiered ABC Control Rule	The policy addresses all of the Council's Fishery Ecosystem Plans (FEPs).	Amendment for the Western Pacific Region to Establish a Process for Specifying ACLs and AMs. The action started in 2007 with SSC involvment.	published on June 27, 2011 (76 FR 3725) + 50 CFR Subpart A:	Determination of ABCs, ACLs, and AMs	Assessment uncertainty is taken into account with tiers, and the ABC control rule is focused on biology. The ABC is reduced to the ACL using social, economic, ecological, and management uncertainty (SEEM factors). See the narrative summary, Section 3, for more information on this approach.	No	The SSC can reduce their recommendations, but cannot modify recommendations higher. The SEEM factors are all a reduction from the ABC.	Yes, the SSC can deviate, although only to reduce it. However, in practice, they have not deviated.	No, although the Council is starting conversations about developing a risk policy.
CFMC	No	N/A	ABC control rule policy. One item the Council has not done is to develop a policy on setting its P*	The current rules were adopted in 2022 with the implementation of the Island-Based FMPs. The CFMC modified an original policy from 2010 and 2011, acribbean ACL amendments.	ABC Control Rule (CR) (Please see the ABC CR Tiers in the Island Based FMPs.)	The ABC CR is implemented through each Island-Based FMP; however, the same rule applies for each FMP.	fisheries management in the U.S. Caribbean to three separate FMPs by area; Puerto Rico, St. Thomas/St. John and St. Croix, and USVI. Each	has been effective since October 13, 2022 (87 FR 56204) + regulations are included in multiple subsections within 50 CFR Parts 600 and 622.	ABCs and ACLs	Assessment uncertainty is addressed by ABC CR Tiers 1-4, and are specifically addressed in sigma-min. Recent discussion on the use of ensemble approaches in the future also address uncertainty. Biological and ecological factors are also considered, especially when dealing with species in Tier 4 (data limited). These factors are also of special interest when considering herbivores and species with spawning aggregating behavior (e.g., groupers). Consideration of expert opinion from the District Advisory Panel members was also integrated in the 5SC's development of the ABC CR policy. Economic considerations included the changes brought by hurricanes (Irma and Maria in 2017), an earthquake (2020), and the pandemic (2020). Events that have a great economic impact may be addressed in the future as part of fisuses with uncertainty.	based on the specific Data Limited Models (DLM) explored for setting ABCs.	Yes, the ABCs set under the Island-Based MPs and the spiny lobster amendment (ongoing) include flexibility in addressing their provisions. The SSC may modify its recommendations in either direction.	implemented in October 2022. The	Yes, they had an ABC Control Rule Work Group that met in 2016 and developed recommendations for the recently implemented ABC CR. These recommendations were presented to the SSC, and the SSC presented the ABC CR to the Council, and it was integrated into the Island-Based FMPs.