

Black Grouper

PRELIMINARY

Risk of Overexploitation				Southeastern Black Grouper				
Biological Attributes	High (1)	Medium (2)	Low (3)	Notes	Default Score	AP Score	SSC Score	Council Score
Estimated natural mortality (M)	M ≤ 0.20	0.20-0.40	M ≥ 0.4	M: 0.16 - 0.20 (SEDAR 48)	1			
Age at maturity	≥ 4 years	2-4 years	≤ 2 years	Age at 50% maturity : 6.5 years - protogynous hermaphroditism; Age at transition A50 = 16 years (SEDAR 48)	1			
Final Biological Score					1	#DIV/0!	#DIV/0!	#DIV/0!
Human Dimension Attributes	High (1)	Medium (2)	Low (3)	Notes	Default Score	AP Score	SSC Score	Council Score
Ability to regulate fishery	fishery consistently exceeds Total ACL (ex. 3+ out of 5 years) and/or exceeds Total ACL by more than 15%	fishery mostly kept below Total ACL (ex. Exceeds ACL 1-2 out of 5 years) and/or does not exceed ACL by more than 15%	fishery consistently kept below Total ACL	Commercial Sector 2020-2025: never exceeded Recreational Sector 2020-2025: never exceeded (source: SERO ACL monitoring page)	3			
Potential for discard losses	Dead discards are a significant proportion of the total catch (over 40%)	Dead discards are a moderate proportion of the total catch (20%-40%)	Dead discards very small component of total catch (< 20%)	Commercial: discard logbook data not available Recreational: 2020-2024 MRIP-FES landings and discards: 10.7% DMR = 13.9% (derived from Gag stock assessment)	3			
Annual Commercial value	> 10% total annual revenue	Between 1% and 10% of total annual revenue	< 1% total annual revenue	Average Annual Revenue (2019-2023) = 4.0%	2			
	> 40% of total trip revenue, on average	Between 10% and 40% of total trip revenue, on average	< 10% total trip revenue, on average	Average Total Trip Revenue (2019-2023) = 9.1%	3			
Recreational desirability	> 5% trips report targeting this species	Between 1% and 5% of trips report targeting this species	< 1% trips report targeting this species	Average percent of all trips (2019-2024) = < 0.1% Average percent of all SG trips (2019-2024) = < 1.0%	3			
Social concerns	>13 communities highly reliant on this species	7-13 communities highly reliant on this species	<7 communities highly reliant on this species	Social communities analysis unavailable: Use fishery performance report information				
Final Human Dimension Score					2.80	#DIV/0!	#DIV/0!	#DIV/0!
Environmental Attributes	High (1)			Notes	Default Score	AP Score	SSC Score	Council Score
Ecosystem importance	Does this species significantly affect other species, e.g. as a keystone predator, primary prey, habitat builder etc.?							
Climate change	Is this species likely to experience/be experiencing negative stock impacts due to climate change?							
Other Environmental Variables	Are other environmental variables causing negative effects on this stock, e.g. in the form of regime shifts, recruitment failure, etc.?							
Final Environmental Score					0	0	0	0
Final Risk Score					1.900	#DIV/0!	#DIV/0!	#DIV/0!
					High	#DIV/0!	#DIV/0!	#DIV/0!