

Snowy Grouper (*Epinephelus niveatus*) life history for the Gulf of Mexico. Associations and interactions with environmental and habitat variables are listed with citations as footnotes

Life stage	Eco-region	Habitat Zone	Habitat Type	Season	Temp (°C)	Depth (m)	Prey	Predators	Mortality	Growth
eggs ₄	ER-1	offshore	WCA			30-525				
larvae _{4, 6, 9}	ER-1	offshore	WCA	Jun, Oct	28	30-525				
postlarvae _{4, 6, 9}	ER-1	offshore	WCA	Jun, Oct	28	30-525				
early juveniles _{2, 4, 7, 9}	ER-1	nearshore	reefs			> 1				
late juveniles _{2, 4, 5, 7, 9, 10}	ER-1	nearshore, offshore	reefs		*15-29*	17-60	fish, gastropods, cephalopods, other inverts		trawl bycatch	
adults _{1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 14, 16, 17, 18, 20}	ER-1, ER-2	offshore	hard bottom, reef, *shelf edge/slope*		12-26	30-525	fish, crabs, crustaceans, cephalopods, gastropods		vulnerable to fishing pressure; * $M = 0.12^*$	max. size = 1200 mm, max. weight = 30 kg; recruit to fishery at age 8; $L_{inf} = 1064.62$ mm TL, $K = 0.094$, $t_0 = -2.884$, max. age = 35 yrs

spawning adults _{2, 4, 7, 9, 13, 14, 16, 18}	ER-1, ER-2	offshore	*reef, shelf edge/slope*	Apr-Jul (FL Keys), May- Aug (w. FL)		30-525			overfishing causes sex ratio imbalance	protogynous hermaphrodites; 50% maturity = 541 mm TL and 4.92 yrs; 40% of fish ≥ 8 yrs (700 mm) are male; transition = 6-7 yrs and 475 mm FL
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Notes: Information in asterisks comes from studies conducted outside GMFMC jurisdiction

Bold and italicized font indicates proxy data

larvae/ postlarvae: salinity = 37 ppt₆

juveniles: on artificial reefs in ER-2 (occurrences, not
common)₁₅