

Yellowedge Grouper (*Hyporthodus flavolimbatus*) 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 ₉	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	WCA			35-370				
larvae ₉	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	WCA			35-370				
postlarvae ₁₆	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	WCA	*Jul-Oct*		35-370				
early juveniles ₁₉	ER-1, ER-2, ER-3, ER-4, ER-5	nearshore, offshore				9-110				
late juveniles _{12, 19}	ER-1, ER-2, ER-3, ER-4, ER-5	nearshore, offshore	hard bottom			9-110				
adults _{1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18}	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	hard bottom, soft bottom, *shelf edge/slope*		10.7-27.0	35-370	brachyuran crabs, fish, other inverts		$Z = 0.128, M = 0.048-0.090, F = 0.038-0.080$	max. age = 85 yrs, max. length = 1228 mm TL; $L_{inf} = 1005$ mm TL, $K = 0.059, t_0 = -4.75$
spawning adults _{7, 9, 11, 17, 18}	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	*shelf edge/slope, reefs*	Feb-Sep, Nov peak: Mar-Sep	*14.47*	35-370				Protogynous hermaphrodites; 50% maturity = 547 mm TL and 8 yrs (females), 50% transition = 815 mm TL and 22 yrs

Notes: ***Bold and italicized font indicates proxy data***

Information in asterisks comes from studies conducted outside GMFMC jurisdiction

Adults: salinity = 25.3-38.0 ppt₁₅

DO = 2.1-9.6 mg/L₁₅

Spawning Adults: form local spawning aggregations₁₄