

Tilefish (*Lopholatilus chamaeleonticeps*) 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 ^{5, 6, 7, 10}	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	WCA	late spring-summer	hatched in 40 hrs at 22.0-24.6 (lab)	80-450				
larvae ^{6, 7, 13}	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	WCA	summer		80-450				
postlarvae ^{6, 7, 13}	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	WCA	summer		80-450				
early juveniles ⁶	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	WCA			80-450				settlement at 9.0-15.5 mm SL
late juveniles ^{1, 8}	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	shelf edge/slope, soft bottom			80-450		larger tilefish, other fish		
adults ^{1, 2, 3, 4, 8, 9, 11, 12, 13, 14, 15, 16}	ER-1, ER-2, ER-3, ER-4, ER-5	offshore	shelf edge/slope, soft bottom		9-14.4	80-450	bivalve mollusks, squids, polychaetes, holothurians, decapod crustaceans, elasmobranchs, and ray-finned fishes	sharks, other tilefish	over-exploitation; mass mortality from cold water intrusion events; $M = 0.137$	max. length = 1000 mm SL; males grow faster, reach larger size; $L_{inf} = 830$ mm TL, $k = 0.13$, $t_0 = -2.14$, max. age = 40 years

<div> <div>spawning</div> <div>adults_{5, 8, 10,}</div> <div>13, 15</div> </div>	<div> <div>ER-1, ER-2,</div> <div>ER-3, ER-4,</div> <div>ER-5</div> </div>	<div> <div>offshore</div> </div>	<div> <div>shelf</div> <div>edge/slope,</div> <div>soft bottom</div> </div>	<div> <div>Jan-Jun</div> <div>peak:</div> <div>Apr</div> </div>		<div> <div>80-450</div> </div>				<div> <div>Fishing pressure</div> <div>may cause males</div> <div>to spawn at</div> <div>smaller sizes;</div> <div>maturity < 1 yr</div> <div>and 150 mm FL</div> <div>(male); 2.5 yrs</div> <div>and 331 mm FL</div> <div>(female);</div> <div>protogynous</div> <div>hermaphrodites</div> </div>
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Bold and italicized font indicates proxy data

Information in asterisks comes from studies conducted outside GMFMC jurisdiction