

Summary Table of Gray Snapper, (<u>Lutjanus griseus</u>) life history for the Gulf of Mexico. Associations and interactions with environmental and habitat variables are listed with citations.												
							Trophic relationships		Habitat Associations and Interactions			
Life Stage	Season	Location	Temp(°C)	Salinity(ppt)	Oxygen	Depth(m)	Food	Predators	Habitat Selection	Growth	Mortality	Production
Eggs	Present after summer spawning, June thru September	Offshore shelf waters and near coral reefs		Hatched in vitro in salinity range of 32 to 36ppt								
Citation	5,23	23,18,13		16								
Larvae	Present April thru November, abundance peak June thru August	Offshore shelf waters and near coral reefs from Florida to Texas	Occur in temp. ranging from 15.6° C to 27.2° C				In vitro, fed on zooplankton in 73-110 mm range	Preyed upon by carnivorous fishes				
Citation	4	13	6				16	12				
Post Larvae		Move into estuarine habitats and seagrass beds					Copepods and amphipods are important food items	Preyed upon by carnivorous fishes	Found especially over dense seagrass beds of <u>Halodule</u> and <u>Syringodium</u>			
Citation		23,15,6					23	12	24,28,19			
Early Juveniles		Found in estuarine habitats and seagrass beds	Found in temperatures ranging from 12.8° C to 36.0° C	In salinities ranging from 0-66.6ppt			Very small juveniles prey primarily on amphipods	Preyed upon by carnivorous fishes	Prefer <u>Thalassia</u> grass flats, marl bottoms, seagrass meadows and mangrove roots			
Citation		23,16,6	19,6,24	1,24,18,19			23	12	24,18,19			Gray Snapper, (<u>Lutjanus griseus</u>) cont.
							Trophic relationships		Habitat Associations and Interactions			
Life Stage	Season	Location	Temp(°C)	Salinity(ppt)	Oxygen	Depth(m)	Food	Predators	Habitat Selection	Growth	Mortality	Production

Late Juveniles		Found in estuaries, channels, bayous, ponds, coastal marshes, mangrove swamps and freshwater creeks. Also may move to offshore habitats	Found in temps. ranging from 12.8° C to 36.0° C	In salinities ranging from 0-66.6ppt			Prey on crustaceans especially penaeid shrimp, crabs, fish, mollusks, and polychaetes	Preyed upon by carnivorous fishes	Prefer <u>Thalassia</u> grass flats, marl bottoms, seagrass meadows, and mangrove roots			
Citation		21,3	19,6,23	1,23,18,25			18,22	12	23,18,19			
Adults		They are marine, estuarine and riverine, occurring up to 32 km offshore and inshore as far as coastal plain freshwater creeks and rivers	Occur in water temps. from 13.4° C to 32.5° C	In salinities ranging from 0-47.7ppt		Reported from depths ranging from 0-180 m	Typically nocturnal predators on fish, shrimp and crabs		Occur on hard bottoms, soft bottoms, wharves & pilings, sand, rubble, rock, coral reefs and mud bottoms			
Citation		1,9,10,2	20,25	6,25		1,9,10,2	17,14,20,21,23,22,18,7,8		20,21,22,11			
Spawning Adults	Summer. Year round in S. Florida (Dec-Oct)	Offshore around reefs or shoals							Found offshore around reefs and shoals			
Citation	5,23,26	5,23							5,23			

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