EFH Requirements for Species Managed by the Gulf of Mexico Fishery Management Council: Ecoregion 2, Tarpon Springs to Pensacola Bay, FL.

Species	Life Stage	System[1]	EFH
Pink shrimp[2]	eggs	M	<50 m; sand/shell bottom
	larvae	M	<50 m; planktonic, sand/shell bottom, SAV
	juvenile	E	<64 m; sand/shell substrate, SAV
	adults	M	<64 m; sand/shell substrate
White shrimp[2]	eggs	M	9-34 m; sand/shell/soft bottoms
	larvae	E/M	<64 m; plankton, soft bottom, estuarine marsh
	juvenile	E	soft bottom, estuarine marsh
Stone crab	eggs	E/M	<62 m; sand/shell/hard bottoms, SAV, reefs
	larvae	E/M	<62 m; planktonic
	juvenile	E/M	<62 m; sand/shell/hard bottoms, SAV
Gulf stone crab	eggs	E/M	<18 m; sand/shell/soft bottom
	larvae/postlarvae	E/M	<18 m; planktonic, oyster reef, soft bottom
	juvenile	E	<18 m; sand/shell/soft bottom, oyster reef
Red drum	eggs	M	planktonic
	larvae/postlarvae	E	planktonic, SAV, sand/shell/soft bottom, emergent marsh
	juvenile	M/E	<5 m; SAV, sand/shell/soft/hard bottom, emergent marsh
	adults	M/E	1-46 m (9-18 m S of Crystal River); SAV, pelagic, sand/shell/soft/hard bottom, emergent marsh
Red grouper	eggs	M	20-100 m; planktonic
	larvae	M	20-100 m; planktonic
	juvenile	M/E	<50 m; hard bottoms, SAV, reefs
	adults	M	3-183 m; reefs, hard bottoms
Black grouper	eggs	M	18-28 m; planktonic
	larvae	M	10-150 m; planktonic
	juvenile	E/M	SAV, hard bottoms, reefs
	adults	M/E	10-150 m; hard bottoms, mangrove, reefs
Gag grouper	eggs	M	50-120 m; planktonic
	larvae	M	50-120 m; planktonic
	juvenile	M/E	<50 m; SAV, reefs, hard bottom
	adults	M	20-120 m; hard bottom, reefs
Nassau grouper	eggs	M	planktonic
	larvae	M	2-50 m; planktonic
	juvenile	M	SAV, reefs

[1] E=estuarine, M=marine
[2] Marine EFH S of Crystal River excludes 18-46 m. depth zone

EFH Requirements Tarpon Springs to Pensacola Bay, FL -- Continued

Species	Life Stage	System	EFH
Warsaw grouper	eggs	M	40-183 m; planktonic
	larvae	M	40-183 m; planktonic
	juvenile	M	20-30 m; reefs
Yellowedge grouper	eggs	M	35-183 m; planktonic
	larvae	M	35-183 m; planktonic
	postlarvae/juvenile	M	35-183 m; hard bottom
	adults	M	35-183 m; reefs bottom
Red hind	eggs	M	18-110 m; planktonic
	larvae	M	18-110 m; planktonic
	juvenile	M	2-110 m; reefs
Rock hind	eggs	M	2-100 m; planktonic
	larvae	M	2-100 m; planktonic
	juvenile	M	2-110 m; reefs
Speckled hind	eggs	M	146-183 m; planktonic
	larvae	M	146-183 m; planktonic
Scamp	eggs	M	60-189 m; planktonic
	larvae	M	60-189 m; planktonic
	juvenile	M	12-33 m; hard bottoms, reefs, mangrove
Schoolmaster	eggs	M	<90 m; planktonic
	larvae	M	<90 m; planktonic
	juvenile	E/M	<90 m; SAV, mangrove, emergent marsh, reefs, hard bottom
Red snapper	eggs	M	18-37 m; planktonic
	larvae	M	18-37 m; planktonic
	juvenile	M	17-183 m; hard/soft/sand/shell bottom
	adults	M	7-146 m; reefs, hard/sand/shell bottoms
Vermilion snapper	eggs	M	>180 m; planktonic
	juvenile	M	1-25 m; reefs, hard bottom
	adult	M	>180 m; reefs, hard bottom
Gray snapper	eggs	M	<180 m; planktonic, reefs
	larvae	M/E	<180 m; planktonic, reefs
	postlarvae/juvenile	M/E	<180 m; SAV, mangrove, emergent marsh
	adults	E/M	<180 m; emergent marsh, reefs, sand/shell/soft/hard bottoms
Yellowtail snapper	eggs	M	1-183 m; planktonic
	juvenile	M/E	1-183 m; SAV, mangrove, soft bottom
	adults	M	1-183 m; reefs, hard bottom, shoals/banks
Lane snapper	eggs	M	4-132 m; planktonic
	larvae	E/M	4-132 m; reefs, SAV
	juvenile	E/M	<20 m; SAV, mangrove, reefs, sand/shell/soft bottom
Blackfin snapper	eggs	M	40-183 m; planktonic
	juvenile	M	12-40 m; hard bottom

EFH Requirements Tarpon Springs to Pensacola Bay, FL -- Continued

Species	Life Stage	System	EFH
Dog snapper	eggs	M	planktonic
	larvae	M	planktonic
	juvenile	E/M	SAV, mangrove, emergent marsh
Hogfish	juvenile	E/M	3-30 m; SAV
Dwarf sand perch	juvenile	M	hard bottom
Greater amberjack	eggs	M	1-183 m; planktonic
	larvae	M	1-183 m; pelagic
	juvenile	M	1-183 m; drift algae (Sargassum)
Lesser amberjack	eggs	M	planktonic
	larvae	M	pelagic
	juvenile	M	55-130 m; drift algae (Sargassum)
Almaco jack	eggs	M	15-160 m; planktonic
	juvenile	M	15-160 m; drift algae (Sargassum)
Banded rudderfish	larvae	M	10-130 m; planktonic
	juvenile	M	10-130 m; drift algae (Sargassum)
Blueline tilefish	eggs	M	60-183 m; planktonic
	larvae	M	60-183 m; planktonic
Goldface tilefish	eggs	M	60-183 m; planktonic
	larvae	M	60-183 m; planktonic
Golden tilefish	eggs	M	80-183 m; planktonic
	larvae	M	80-183 m; planktonic
	juvenile	M	80-183 m; hard/soft bottom, shelf edge/slope
Gray triggerfish	eggs	M	10-100 m; reefs
	larvae	M	drift algae (Sargassum)
	postlarvae/juvenile	M	10-100 m; drift algae (Sargassum), mangroves, reefs
Spanish mackerel	eggs	M	<50 m; plankton
	larvae	M	9-84 m; plankton
	juvenile	M	<50 m; pelagic
	adults	E/M	<75 m; pelagic
Coral	all stages	M	planktonic, FL Middle Grounds, reefs