



Figure 4.7-1. Location of 10x10 Minute Quadrants with Designated EFH within and Adjacent to the Project Area

Table 4.7-3 shows species within the five quadrants of the Project Area that have identified EFH. The table includes the life stage where each species can be found within the five quadrants.

Table 4.7-3. Species with EFH by Life Stage within the Project Area.

Species	Eggs	Larvae	Juveniles	Adults
whiting (<i>Merluccius bilinearis</i>)	4	4	4	
red hake (<i>Urophycis chuss</i>)	1	1	1	
witch flounder (<i>Glyptocephalus cynoglossus</i>)	1,2,4	5		
windowpane flounder (<i>Scophthalmus aquosus</i>)	1,2,3,4	2,3,4,5	1,2,3,5	
Atlantic sea herring (<i>Clupea harengus</i>)			2	1,2,3,4
monkfish (<i>Lophius americanus</i>)	2,3,4	2,3,4		
bluefish (<i>Pomatomus saltatrix</i>)	4	4	1,2,3,4,5	1,2,3,4
long finned squid (<i>Loligo pealeii</i>)	N/A ^{a/} 1-5	N/A 1-5	3,5	5
short finned squid (<i>Illex illecebrosus</i>)	N/A 1-5	N/A 1-5		
Atlantic butterfish (<i>Pepilius triacanthus</i>)			2,4	4
summer flounder (<i>Paralichthys dentatus</i>)	4	4,5	1,2,3,4,5	1,2,3,4,5
scup (<i>Stenotomus chrysops</i>)	N/A 1-5	N/A 1-5	1,2,3,4,5	1,2,3,4,5
black sea bass (<i>Centropristis striata</i>)	N/A 1-5	2,4	1,2,3,4,5	1,2,3,4,5
surf clam (<i>Spisula solidissima</i>)	N/A 1-5	N/A 1-5	2,3,4	3
ocean quahog (<i>Artica islandica</i>)	N/A 1-5	N/A 1-5		
spiny dogfish (<i>Squalus acanthias</i>)		N/A 1-5	1,2,3,4,5	2,3,4,5
king mackerel (<i>Scomberomorus cavalla</i>)	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5
Spanish mackerel (<i>Scomberomorus maculatus</i>)	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5
cobia (<i>Rachycentron canadum</i>)	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5
red drum (<i>Sciaenops ocellatus</i>) ^{b/}	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5	1,2,3,4,5
sand tiger shark (<i>Carcharias taurus</i>)		1,2,3,4,5		1,2,3,4,5
Atl. sharpnose shark (<i>Rhizopriondon terraenovae</i>)				1,2,3,4,5
dusky shark (<i>Carcharhinus obscurus</i>)		1,2,3,4,5	1,2,3,4,5	
shortfin mako shark (<i>Isurus oxyrinchus</i>)		5		
sandbar shark (<i>Carcharhinus plumbeus</i>)		1 HAPC ^{c/} , 2,3,4,5	1 HAPC, 2,3,4,5	1 HAPC, 2,3,4,5
scalloped hammerhead shark (<i>Sphyrna lewini</i>)			1,2,3,4,5	
tiger shark (<i>Galeocerdo cuvieri</i>)		1,2,3,4,5	1,2,3,4,5	1,2,3,4,5
bluefin tuna (<i>Thunnus thynnus</i>)			5	5
swordfish (<i>Xiphias gladius</i>)			5	
skipjack tuna (<i>Katsuwonus pelamis</i>)				5

a/ N/A indicates some of the species either have no data available on the designated life stages, or those life stages are not present in the species' reproductive cycle

b/ Red Drum EFH is no longer designated outside of the Gulf of Mexico Fishery Management Council. However, designated EFH for this species was shown in the 10' x 10' minute squares overlapping the Project Area.

c/ HAPC is habitat area of particular concern

The following sections provide accounts of the habitat requirements for particular species and their life stages for which designated EFH potentially occurs within or in the vicinity of the Project Area. The primary sources of information for the habitat requirements of the EFH species were the EFH source documents developed by the Fishery Management Councils and issued by NOAA Fisheries. These documents provide descriptions of the habitat for locations where fish have been found to some degree of abundance. The mere occurrence of fish in a particular habitat is not an indication that it is essential, or even in its preferred habitat. It is only an indication that the fish was found in a particular habitat when a