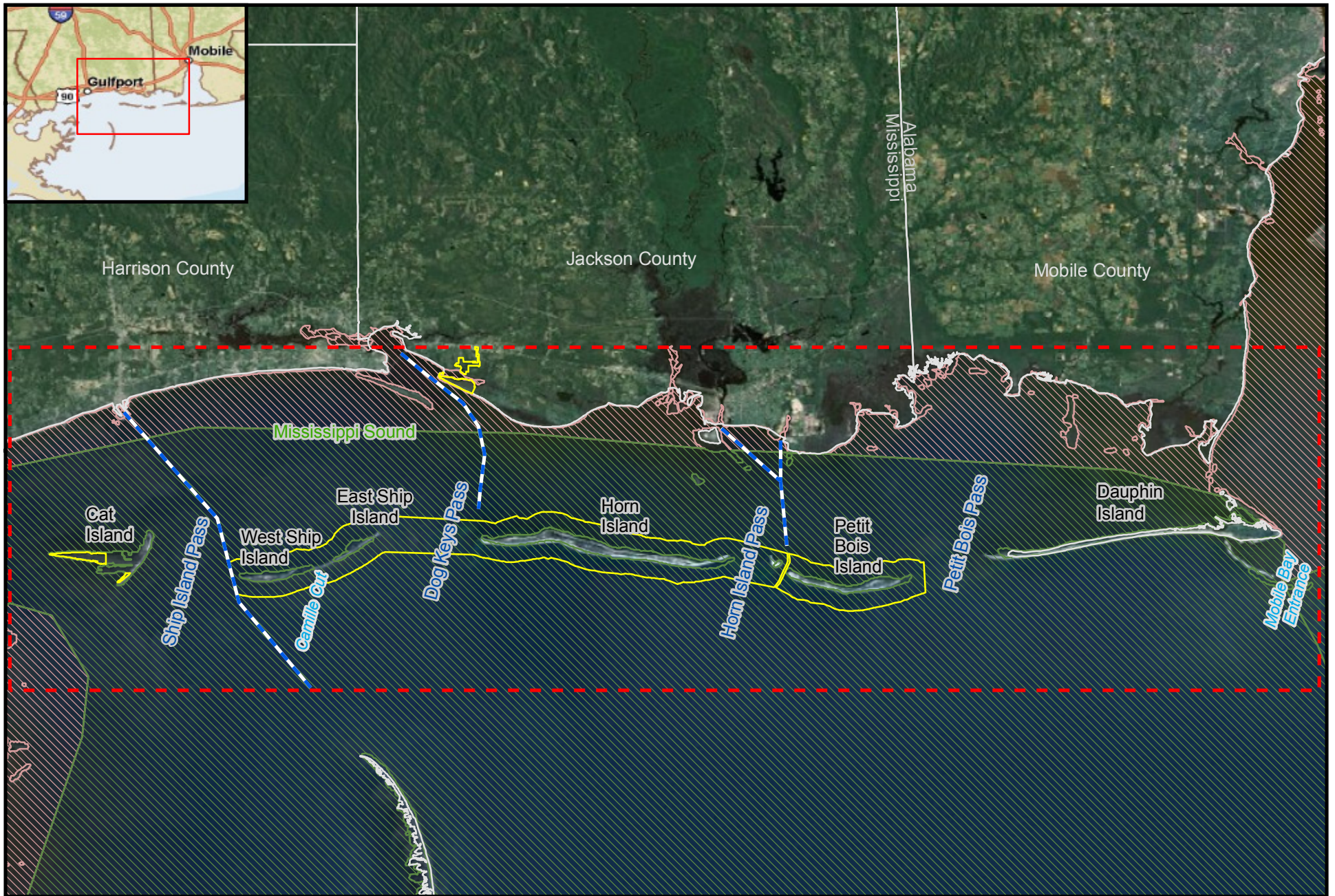


## **Appendix O**

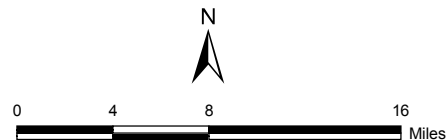
### **Essential Fish Habitat Maps**

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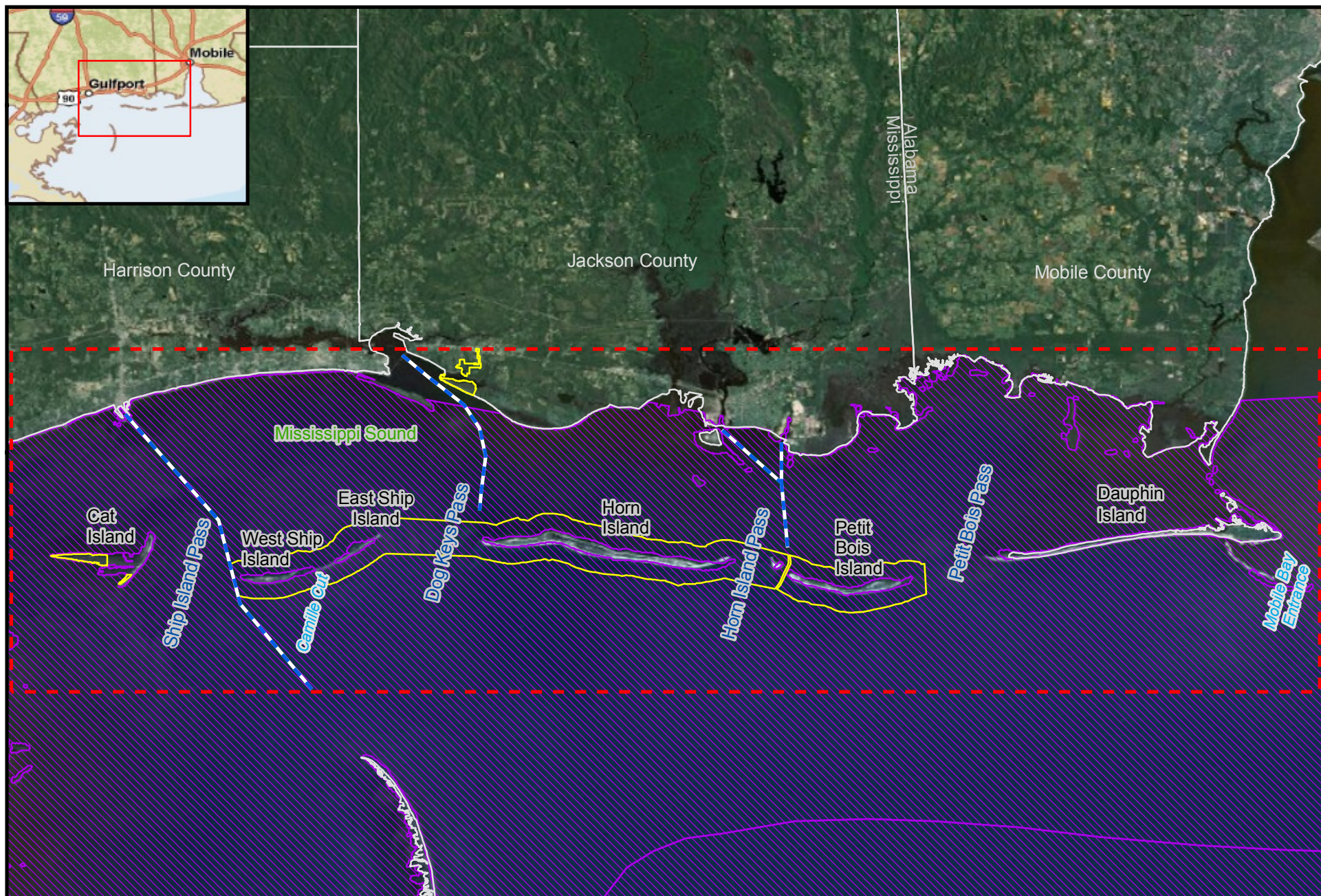


- — — Deep Draft Shipping Channel
- - - - - Project Area
- Gulf Islands National Seashore
- Brown Shrimp Offshore Habitat**
- Nursery Area
- Adult Area

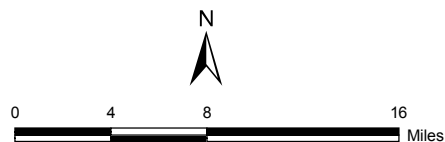


**FIGURE 1**  
**ESSENTIAL FISH HABITAT BY SPECIES - BROWN SHRIMP**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



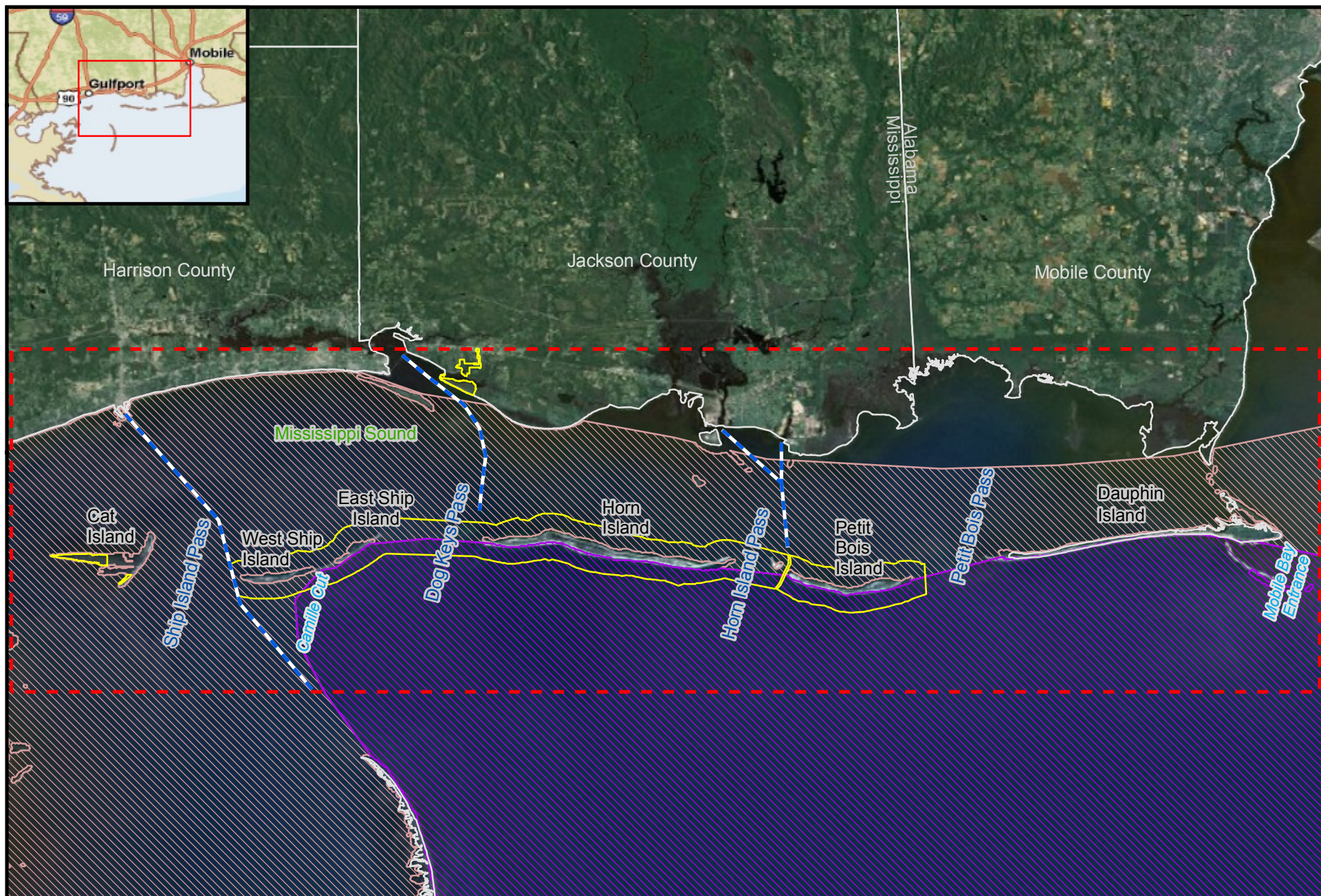


- Deep Draft Shipping Channel
- Project Area
- Gulf Islands National Seashore
- Cobia Offshore Habitat**
- Spawning Area (Spring, Summer)

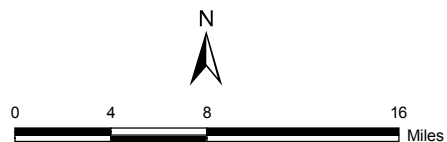


**FIGURE 2**  
**ESSENTIAL FISH HABITAT BY SPECIES - COBIA**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



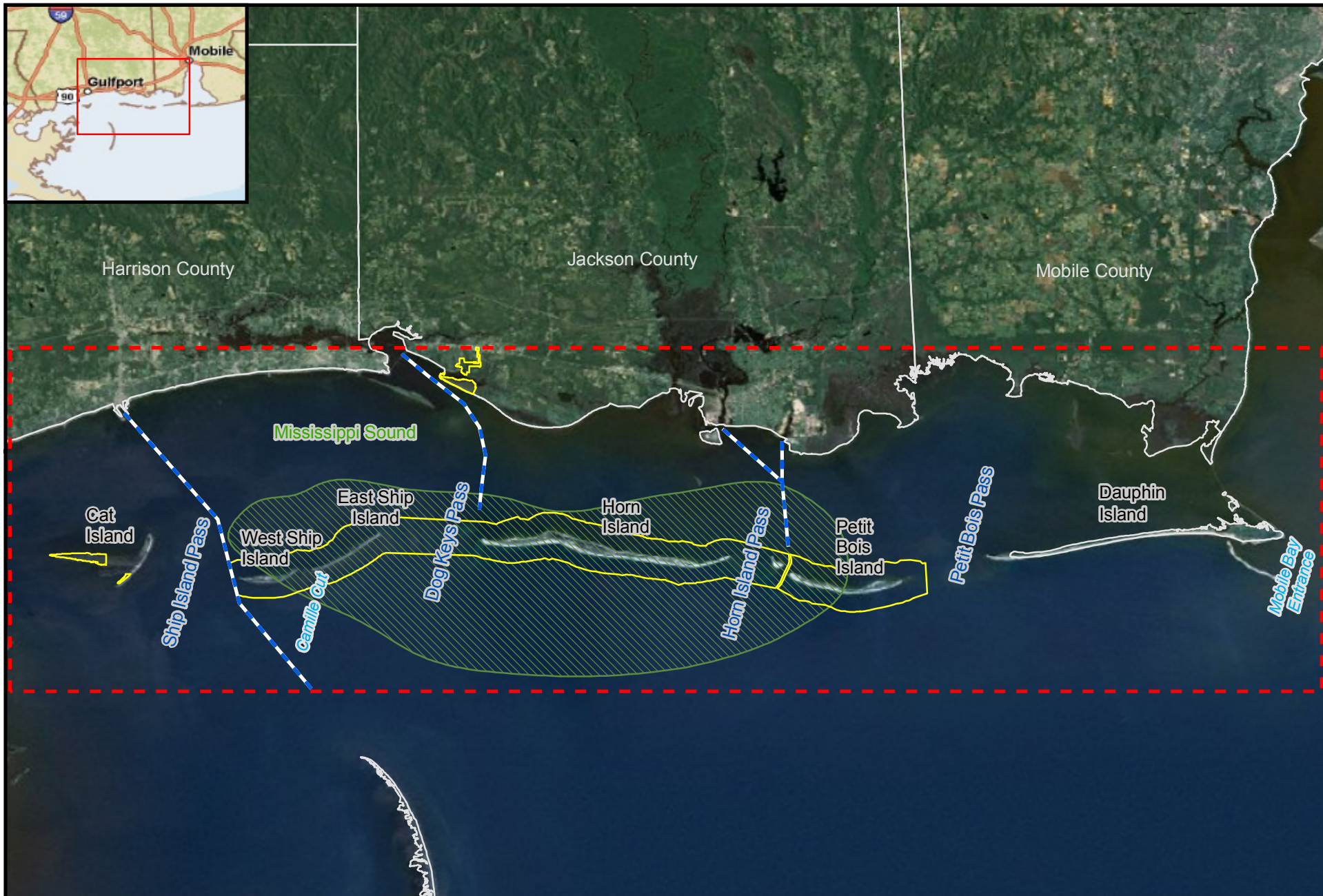


- — — Deep Draft Shipping Channel
- - - - - Project Area
- Gulf Islands National Seashore
- Gray Snapper Offshore Habitat
- Nursery Area (Year-round)
- Spawning and Adult Area

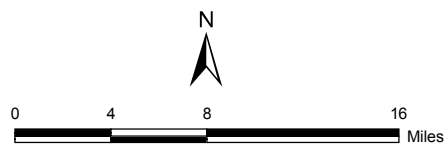


**FIGURE 3**  
**ESSENTIAL FISH HABITAT BY SPECIES - GRAY SNAPPER**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



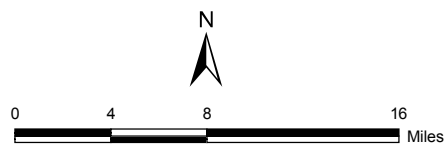
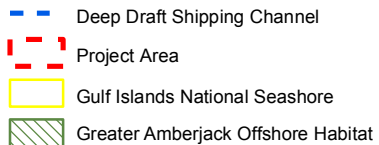


- Deep Draft Shipping Channel
- Project Area
- Gulf Islands National Seashore
- Gray Triggerfish Offshore Habitat



**FIGURE 4**  
**ESSENTIAL FISH HABITAT BY SPECIES - GRAY TRIGGERFISH**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS

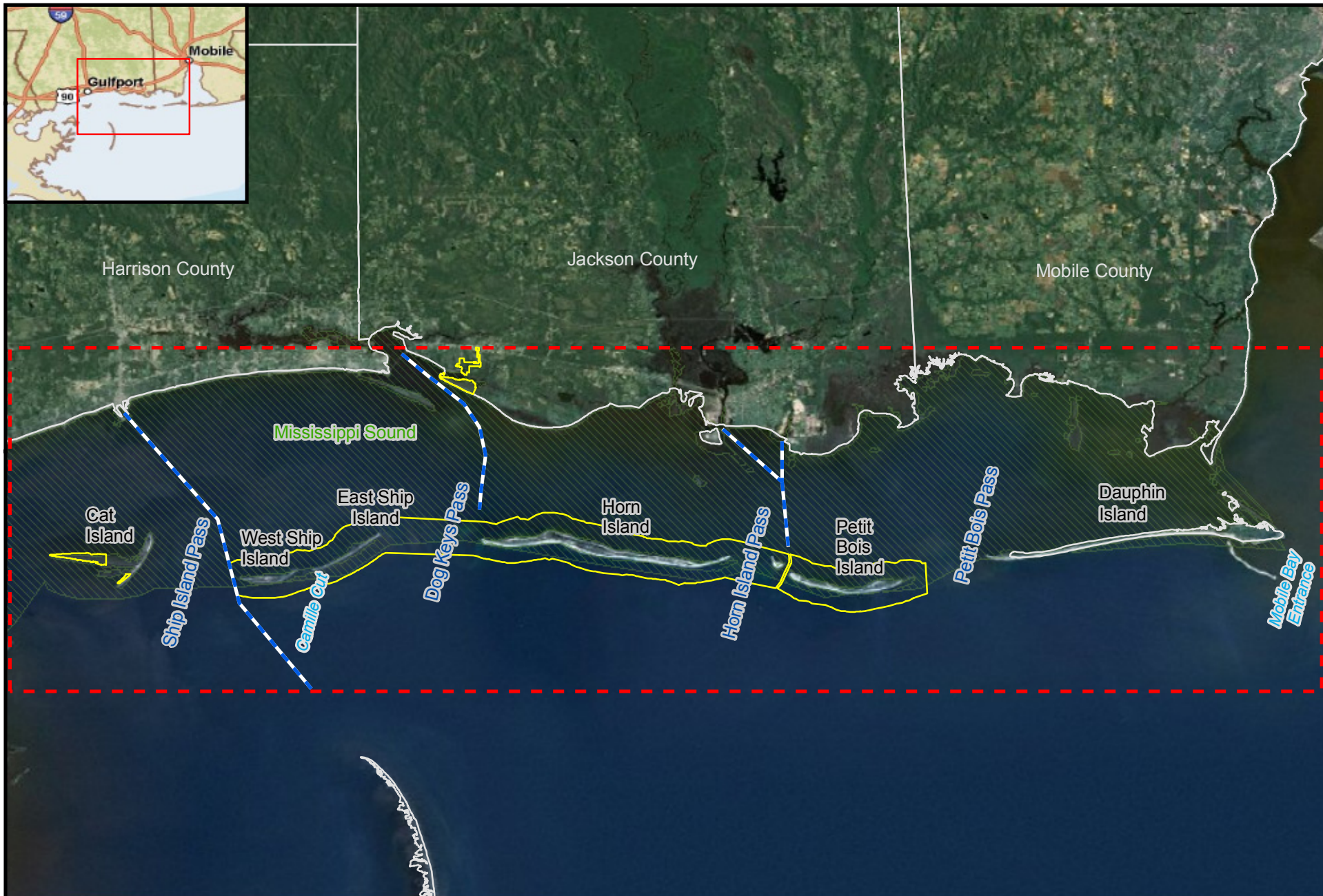




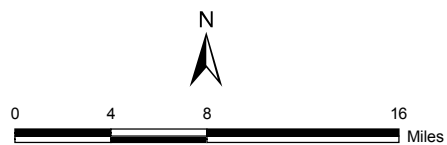
**FIGURE 5**

**ESSENTIAL FISH HABITAT BY SPECIES - GREATER AMBERJACK**  
MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS





- Deep Draft Shipping Channel
- Project Area
- Gulf Islands National Seashore
- Gulf Sturgeon Offshore Habitat

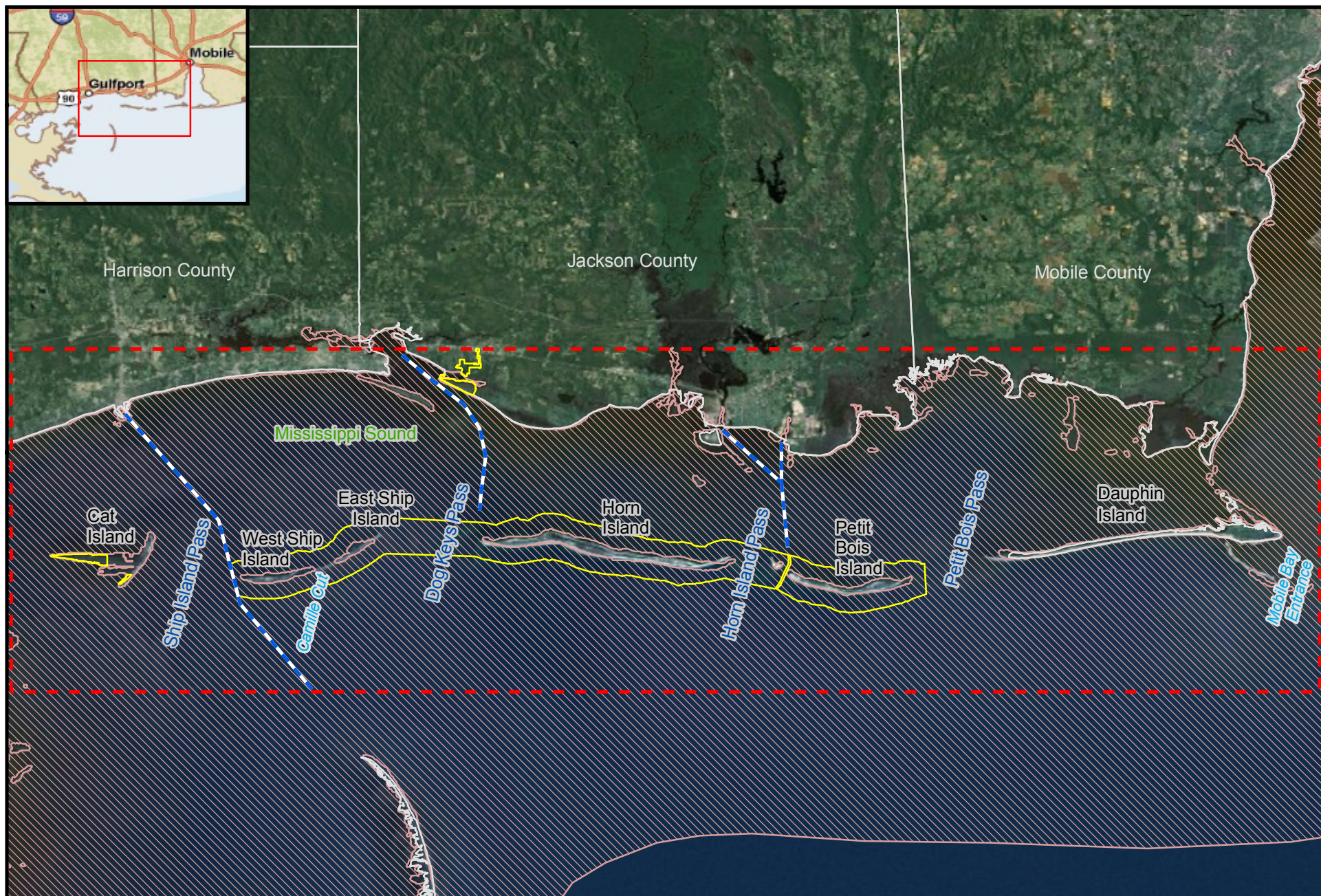


**FIGURE 6**  
**ESSENTIAL FISH HABITAT BY SPECIES - GULF STURGEON**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS

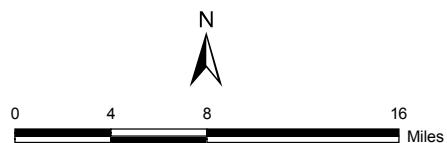






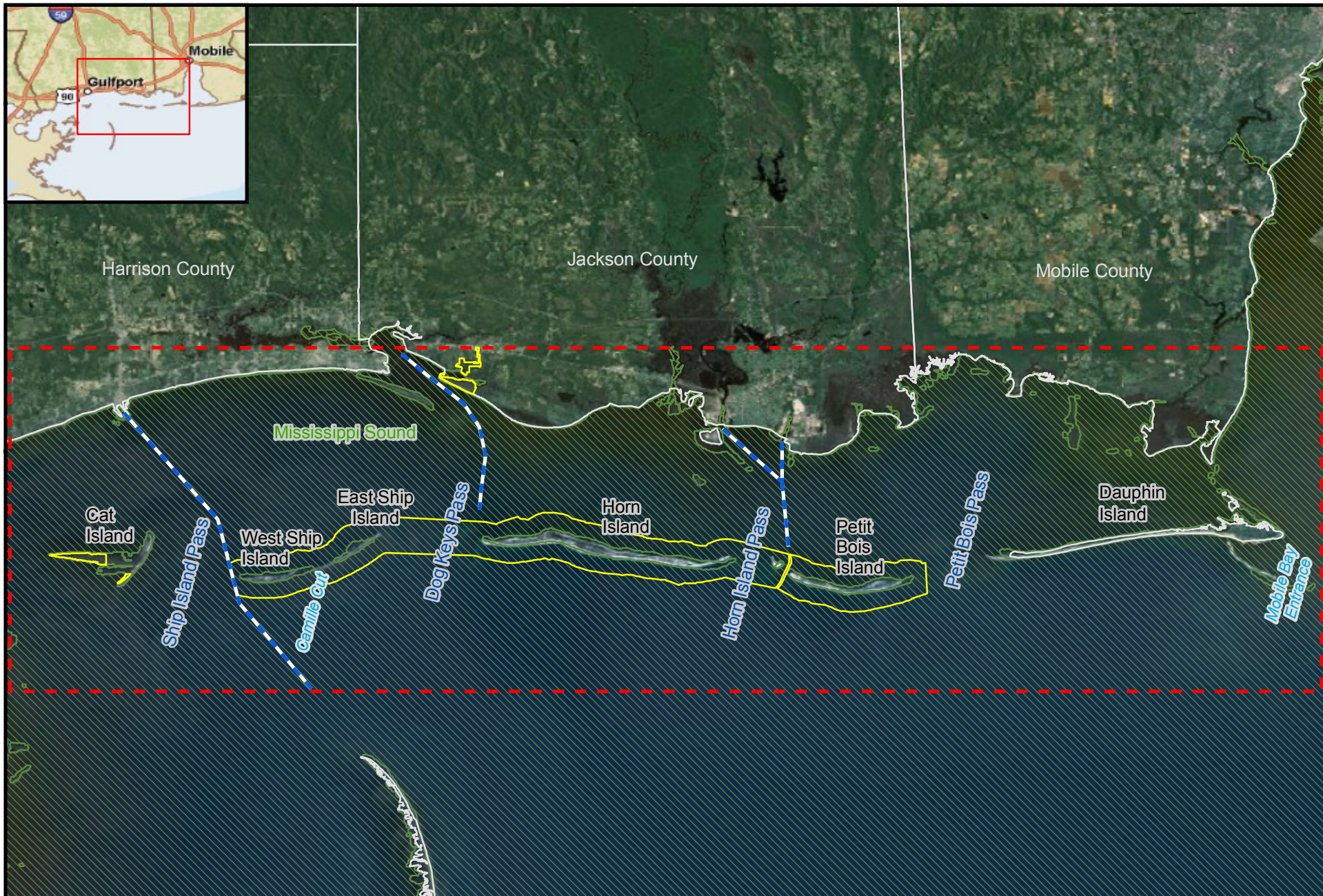


- — — Deep Draft Shipping Channel
- - - - - Project Area
- Gulf Islands National Seashore
- Lane Snapper Offshore Habitat
- Nursery Area

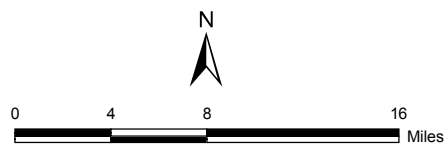


**FIGURE 8**  
**ESSENTIAL FISH HABITAT BY SPECIES - LANE SNAPPER**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS





- Deep Draft Shipping Channel
- Project Area
- Gulf Islands National Seashore
- Lesser Amberjack Offshore Habitat

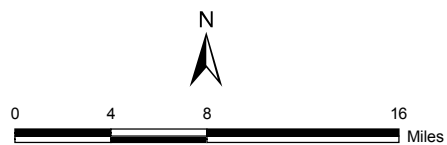


**FIGURE 9**  
**ESSENTIAL FISH HABITAT BY SPECIES - LESSER AMBERJACK**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



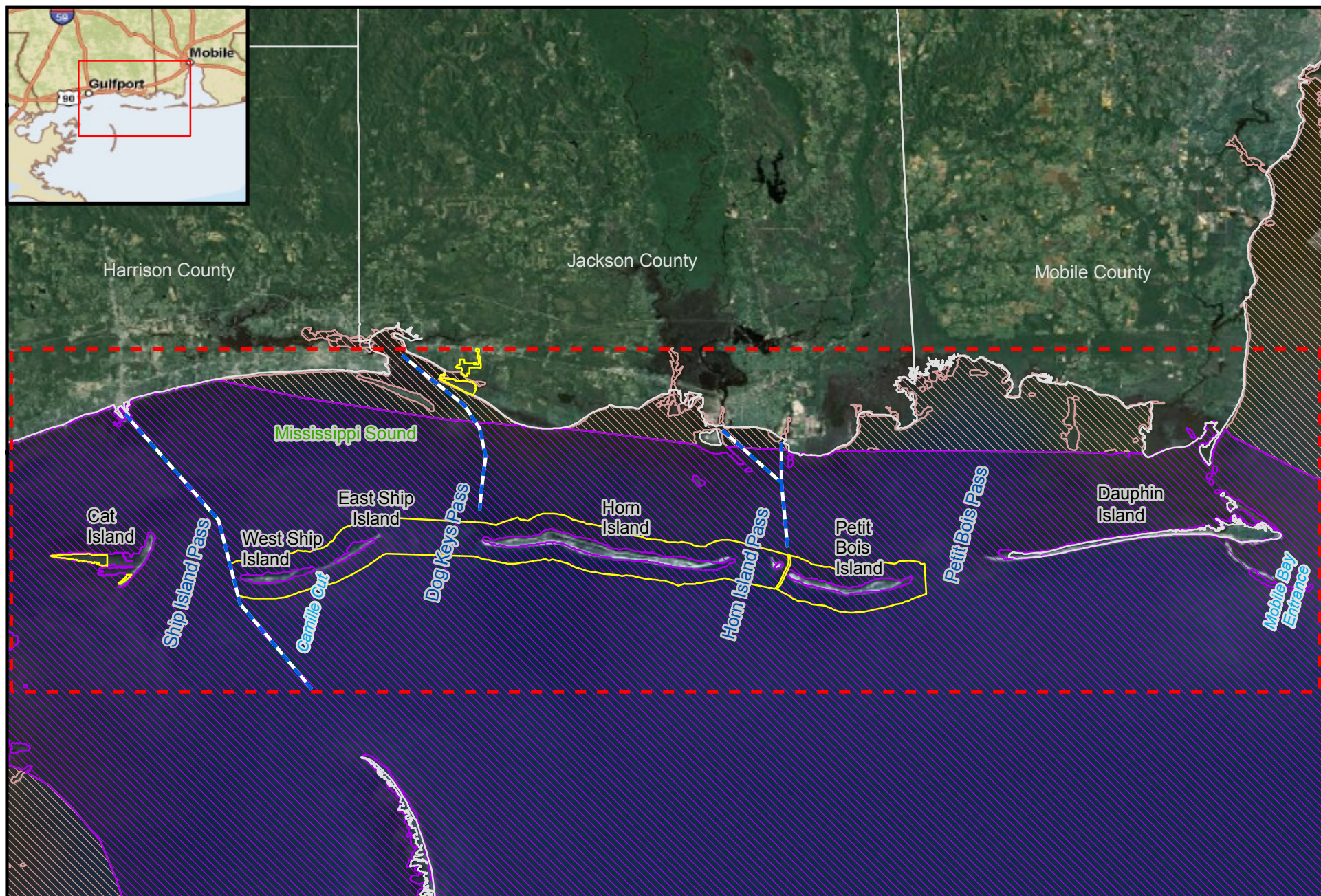


- Deep Draft Shipping Channel
- - - Project Area
- Gulf Islands National Seashore
- Little Tunny Tuna Offshore Habitat

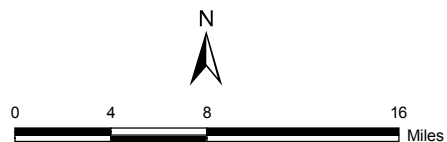


**FIGURE 10**  
**ESSENTIAL FISH HABITAT BY SPECIES - LITTLE TUNNY TUNA**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



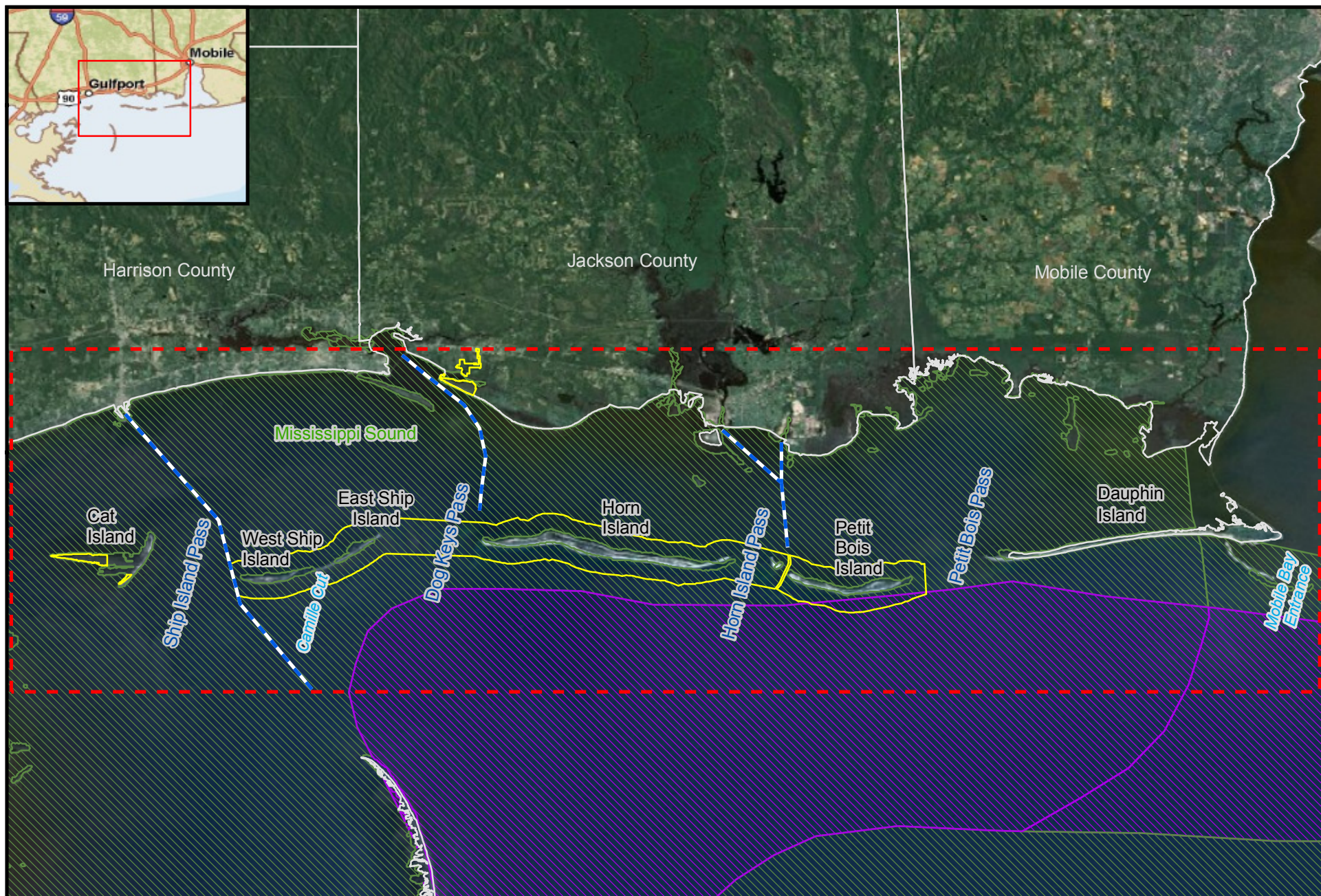


- — — Deep Draft Shipping Channel
- - - - - Project Area
- Gulf Islands National Seashore
- Pink Shrimp Offshore Habitat
- Nursery Area
- Spawning Area

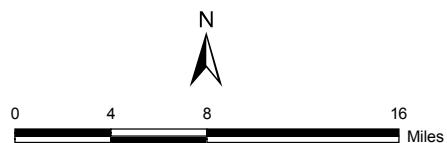


**FIGURE 11**  
**ESSENTIAL FISH HABITAT BY SPECIES - PINK SHRIMP**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



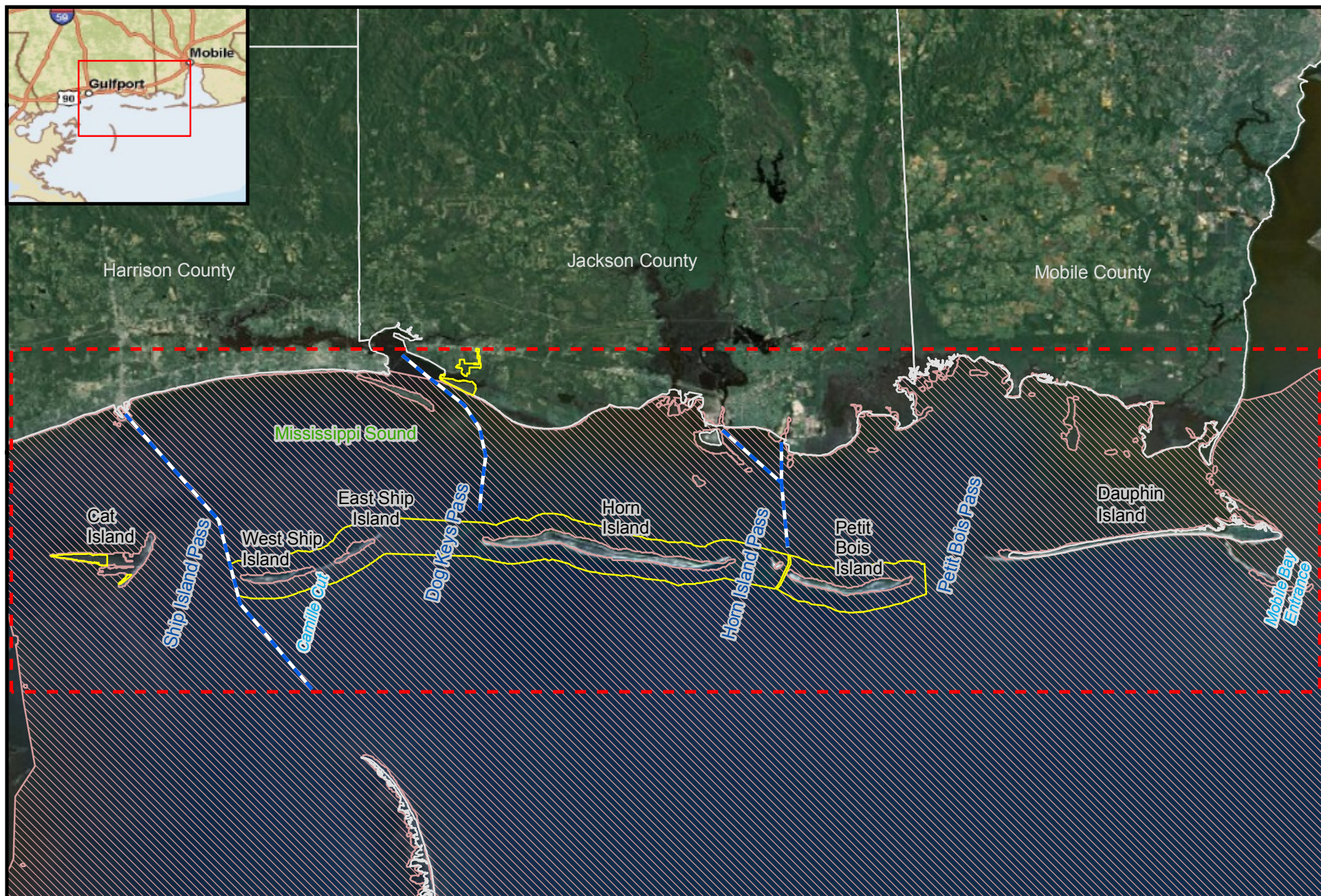


- — — Deep Draft Shipping Channel
- - - - - Project Area
- Gulf Islands National Seashore
- Red Drum Offshore Habitat**
- Spawning Area
- Adult Area

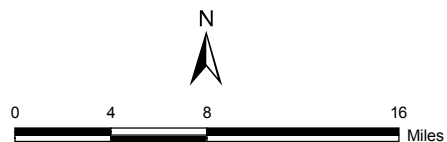


**FIGURE 12**  
**ESSENTIAL FISH HABITAT BY SPECIES - RED DRUM**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



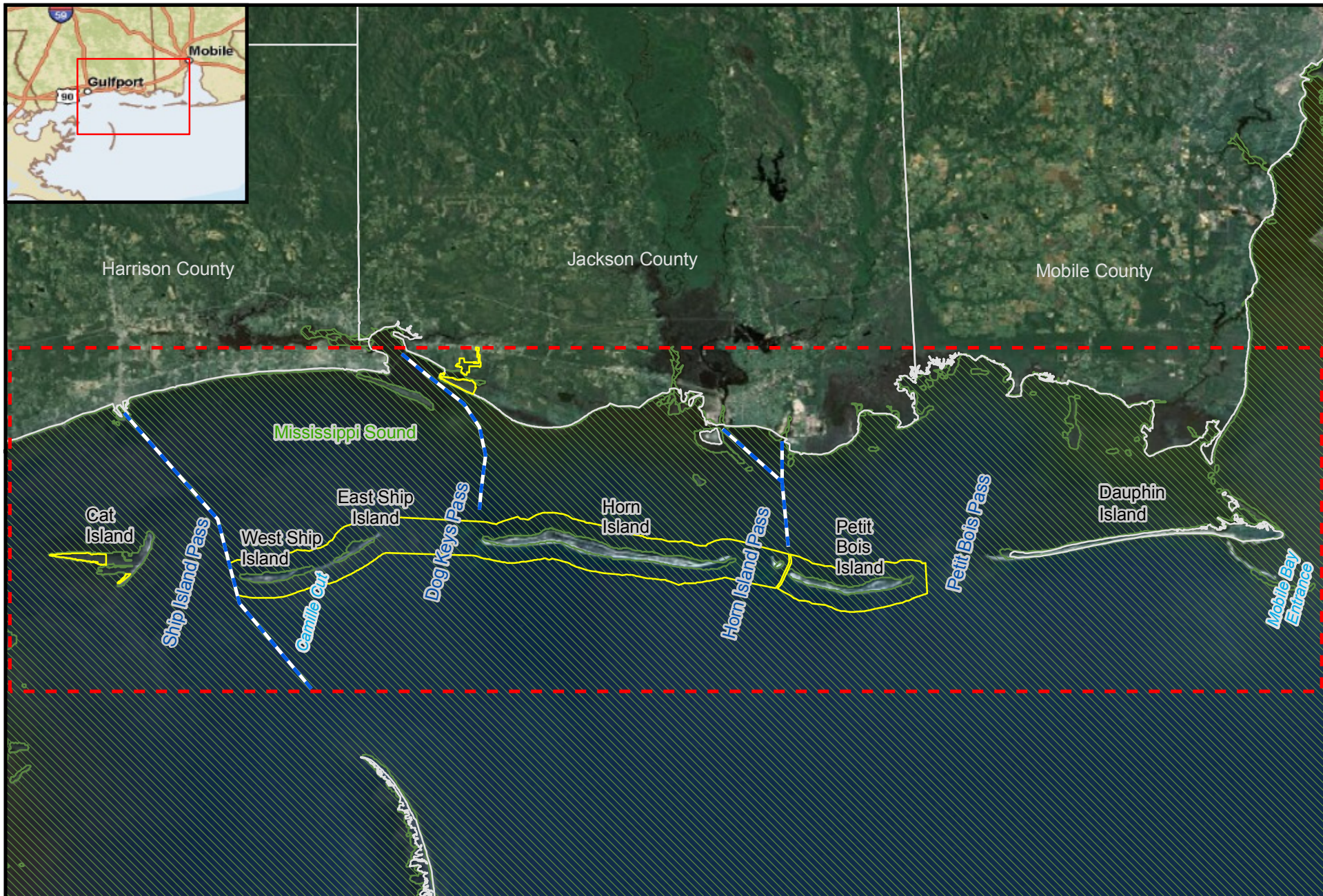


- — — Deep Draft Shipping Channel
- - - - - Project Area
- Gulf Islands National Seashore
- ▨▨▨▨▨ Red Snapper Offshore Habitat
- Nursery Area

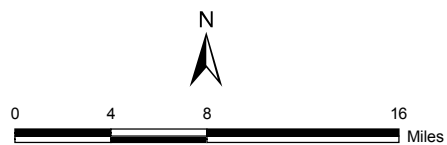


**FIGURE 13**  
**ESSENTIAL FISH HABITAT BY SPECIES - RED SNAPPER**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



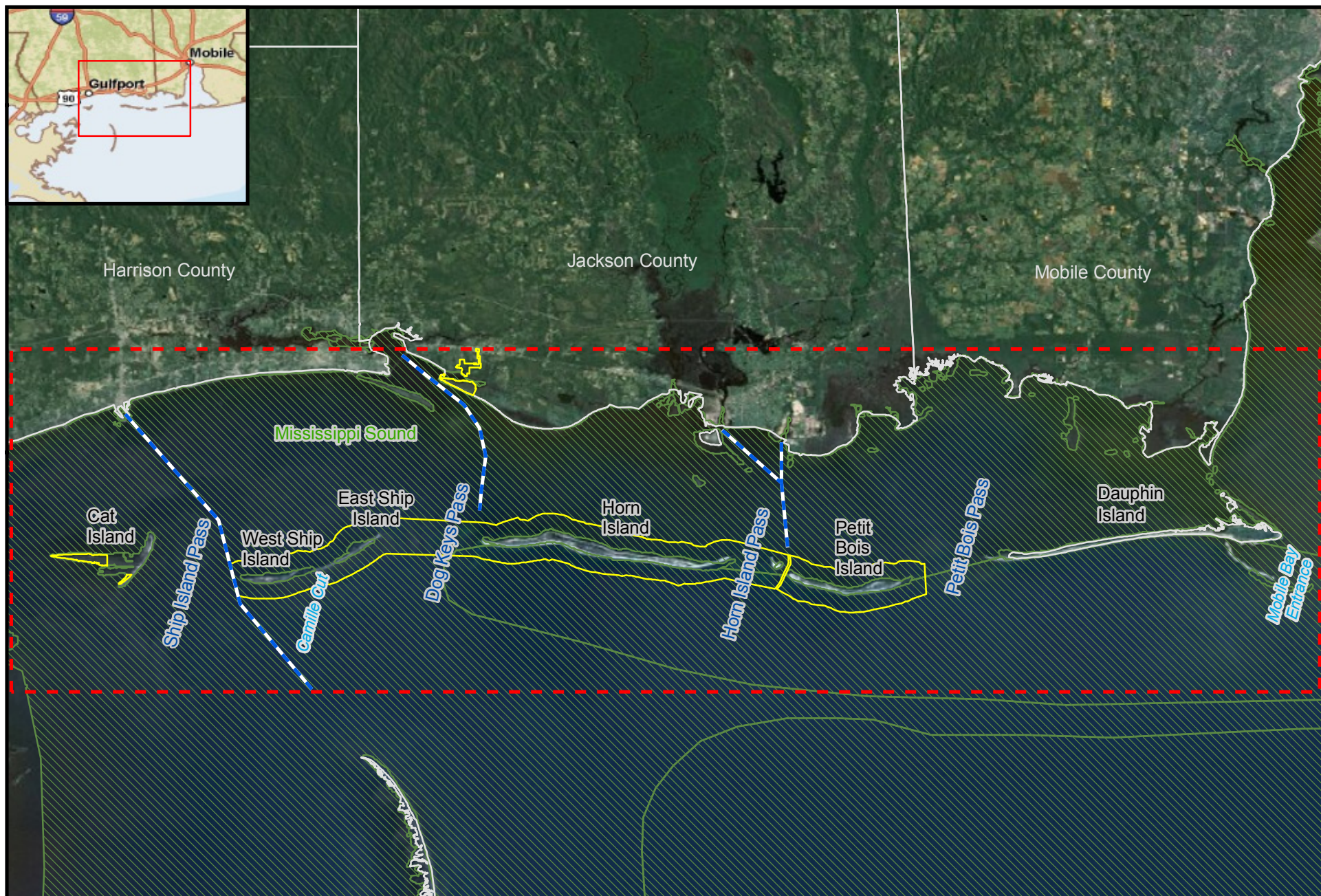


- Deep Draft Shipping Channel
- Project Area
- Gulf Islands National Seashore
- Scamp Offshore Habitat

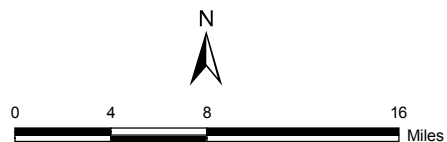


**FIGURE 14**  
**ESSENTIAL FISH HABITAT BY SPECIES - SCAMP**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



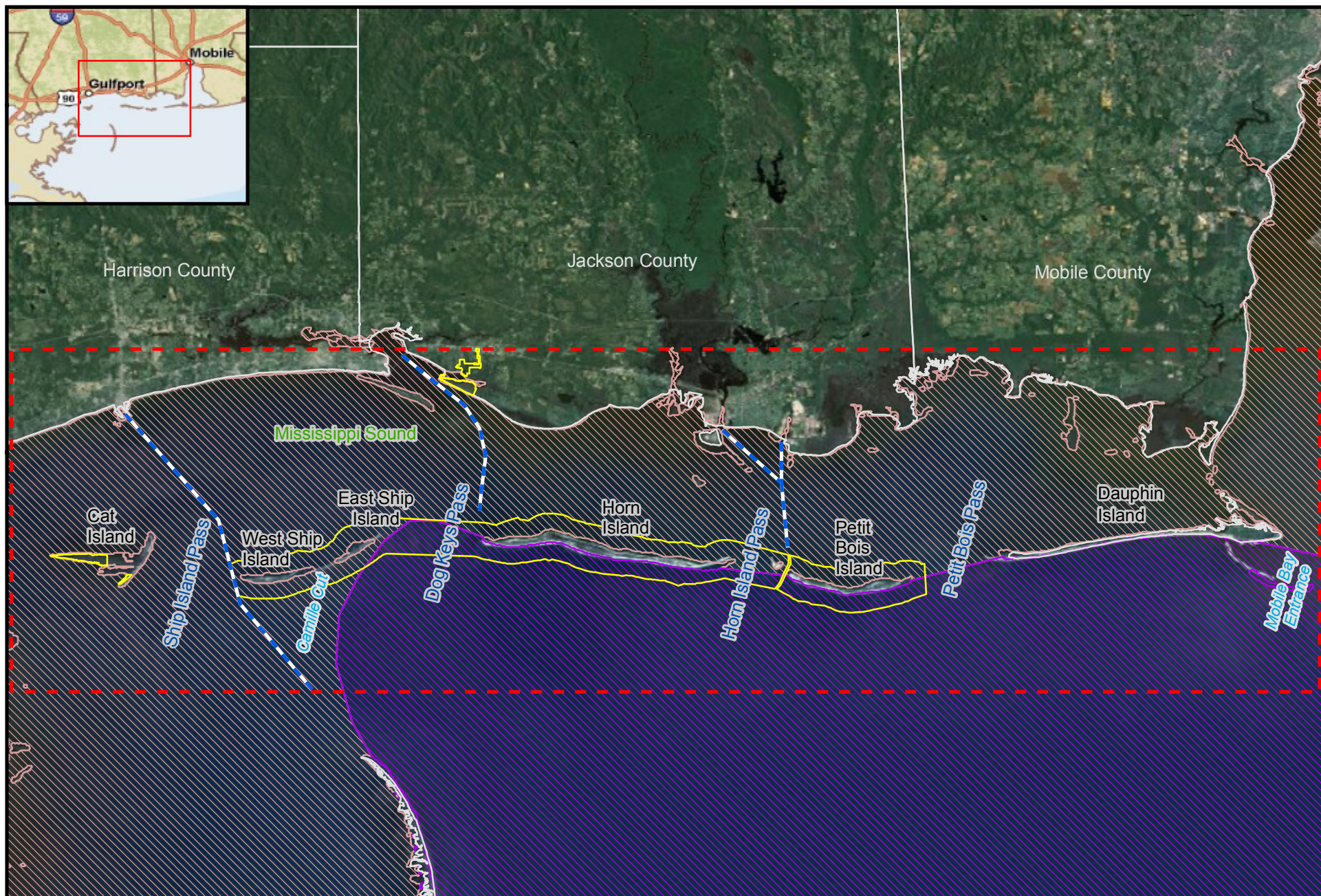


- — — Deep Draft Shipping Channel
- - - - - Project Area
- Gulf Islands National Seashore
- Spanish Mackerel Offshore Habitat**
- Adult Area (Year-round)

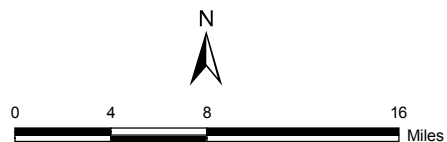


**FIGURE 15**  
**ESSENTIAL FISH HABITAT BY SPECIES - SPANISH MACKEREL**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS



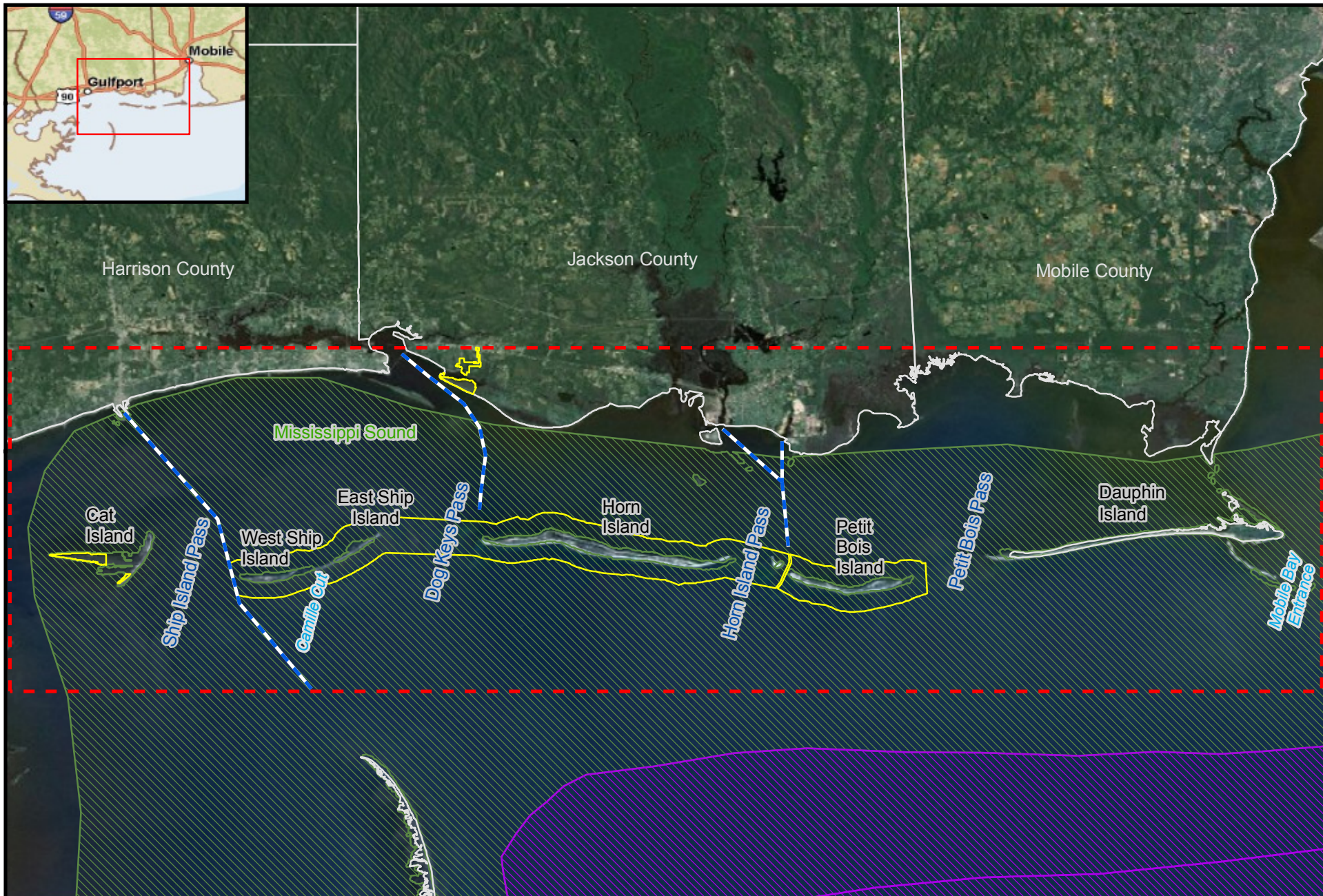


- — — Deep Draft Shipping Channel
- - - - - Project Area
- Gulf Islands National Seashore
- Stone Crab Offshore Habitat
- Nursery Area
- Spawning Area

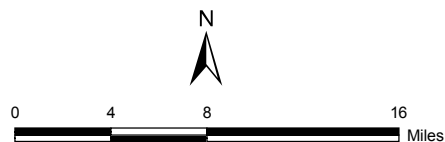


**FIGURE 16**  
**ESSENTIAL FISH HABITAT BY SPECIES - STONE CRAB**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS





- — — Deep Draft Shipping Channel
- - - - - Project Area
- Gulf Islands National Seashore
- White Shrimp Offshore Habitat**
- Spawning Area
- Adult Area



**FIGURE 17**  
**ESSENTIAL FISH HABITAT BY SPECIES - WHITE SHRIMP**  
 MsCIP COMPREHENSIVE BARRIER ISLAND RESTORATION SEIS