

**APPENDIX A:**

**DESCRIPTION OF CRITICAL HABITAT UNITS IN PROPOSED RULE**

## **North Carolina**

Unit NC-1: Oregon Inlet. 11.8 km (7.3 mi) of shoreline in Dare County.

This unit is surrounded by Cape Hatteras National Seashore and Pea Island National Wildlife Refuge, but is mostly privately owned. This unit includes lands on either side of Oregon Inlet.

Unit NC-2: Cape Hatteras Point. 13.0 km (8.1 mi) of shoreline in Dare County.

The majority of the unit is within Cape Hatteras National Seashore. This unit extends from the Cape Hatteras Lighthouse to the Fish Dump.

Unit NC-3: Clam Shoals. 4.5 km (2.8 mi) of shoreline in Dare County.

The entire unit is owned by the State. This unit includes several islands in Pamlico Sound known as Bird Islands.

Unit NC-4: Hatteras Inlet. 19.8 km (12.4 mi) of shoreline in Dare and Hyde Counties.

The majority of the unit is surrounded by Cape Hatteras National Seashore, but is privately owned. This unit includes lands from the end of Highway 12 to Green Island on either side of Hatteras Inlet and all of "Old DOT" spoil island.

Unit NC-5: Ocracoke Island. 5.9 km (3.7 mi) of shoreline in Hyde County.

The majority of the unit is within Cape Hatteras National Seashore. This unit extends from Ocracoke Island Airport to Ocracoke Inlet.

Unit NC-6: Portsmouth Island-Cape Lookout. 54.6 km (33.9 mi) of shoreline in Carteret County.

The entire unit is within Cape Lookout National Seashore. This unit extends southwest from Ocracoke Inlet, and includes Atlantic shoreline to the west sides of islands on Pamlico Sound. Islands include Casey, Sheep, Portsmouth, Whalebone, Kathryne Jane, and Merkle Hammock Islands. This unit also extends from Old Drum Inlet west to New Drum Inlet and from New Drum Inlet west 1.6 km (1.0 mi).

Unit NC-7: South Core Banks . 17.3 km (10.8 mi) of shoreline in Carteret County.

The entire unit is within Cape Lookout National Seashore. This unit extends from Cape Lookout Lighthouse and includes all of Cape Point.

Unit NC-8: Shackleford Banks. 15.7 km (9.8 mi) of shoreline in Carteret County.

The entire unit is within Cape Lookout National Seashore. This unit is in two parts--the eastern 2.4 km (1.5 mi) of Shackleford Banks, including the islands, and the western-most 3.2 km (2.0 mi) of Shackleford Banks.

Unit NC-9: Rachel Carson. 12.6 km (7.8 mi) of shoreline in Carteret County.

The entire unit is within the Rachel Carson National Estuarine Research Reserve. This unit includes islands south of Beaufort including Horse Island, Carrot Island, and Lennox Point.

Unit NC-10: Bogue Inlet. 6.4 km (4.0 mi) of shoreline in Carteret and Onslow Counties.

The majority of the unit is privately owned, with the remainder falling within Hammocks Beach State Park. This unit extends from the roadless areas on the western end of Bogue Banks, including the sandy shoal islands, to Bogue Inlet and the eastern tip of Bear Island, 1.6 km (1.0 mi) from Bogue Inlet west.

Unit NC-11: Topsail. 13.2 km (8.2 mi) of shoreline in Pender County and Hanover County.

This entire area is privately owned. This unit extends from the east tip (0.4 km (.25 mi)) of Figure Eight Island, northeast to the west tip (0.4 km (.25 mi)) of Topsail Beach. It includes both Rich Inlet and New Topsail Inlet.

Unit NC-12: Figure Eight Island. 6.5 km (4.0 mi) of shoreline in New Hanover County.

The majority of the unit is privately owned. This unit includes the west tip of Figure Eight Island (0.8 km (0.5 mi)), including mudflats northwest of Mason Inlet.

Unit NC-13: Masonboro. 3.3 km (2.1 mi) of shoreline in New Hanover County.

The entire unit is within the NC National Estuarine Research Reserve. This unit includes the northern tip of Masonboro Island.

Unit NC-14: Carolina Beach Inlet. 10.3 km (6.4 mi) of shoreline in New Hanover County.

The majority of the unit is within Crowe Sound on Masonboro Island and is owned by the NC National Estuarine Research Reserve. This unit extends approximately 3.2 km (2.0 mi) north of the inlet to 1.2 km (0.75 mi) south of the inlet.

Unit NC-15: Ft. Fisher. 32.9 km (20.4 mi) of shoreline in New Hanover and Brunswick Counties.

The majority of the unit is within Ft. Fisher State Recreation Area. This unit extends from the Ft. Fisher Islands to south of Old Corn Cake Inlet approximately 0.8 km (0.5 mi) on Smith Island.

Unit NC-16: Lockwood Folly Inlet. 1.8 km (1.1 mi) of shoreline in Brunswick County.

The entire unit is on Oak Island and privately owned. This unit extends from the end of West Beach Drive, west to Lockwood Folly Inlet.

Unit NC-17: Shallotte Inlet. 9.5 km (5.9 mi) of shoreline in Brunswick County.

The entire unit is privately owned. This unit extends from Shallotte Inlet and runs east approximately 2.1 km (1.3 mi) on Atlantic Ocean shoreline and Intracoastal waterway side. The island south of Shallotte Inlet is also included.

Unit NC-18: Mad Inlet. 7.9 km (5.0 mi) of shoreline in Brunswick County.

The entire unit is privately owned. This unit extends from the western end of Main Street to Bird Island and includes the marsh areas north of Sunset Beach.

## **South Carolina**

Unit SC-1: Waites Island-North. 4.0 km (2.5 mi) of shoreline in Horry County.

This unit includes the northern end of Waites Island, and the majority of the unit is privately owned.

Unit SC-2: Waites Island-South. 2.4 km (1.2 mi) of shoreline in Horry County.

This unit includes the southern end of Waites Island and is mostly privately owned.

Unit SC-3: Murrells Inlet/Huntington Beach. 6.5 km (4.0 mi) of shoreline in Georgetown County.

The majority of the unit is within Huntington Beach State Park. This unit extends from the groins north of Murrells Inlet and south to the northern edge of North Litchfield Beach.

Unit SC-4: Litchfield. 0.9 km (0.6 mi) of shoreline in Georgetown County.

This unit includes the southern tip of Litchfield Beach and is mostly privately owned.

Unit SC-5: North Inlet. 5.8 km (3.7 mi) of shoreline in Georgetown County.

The majority of the unit is within Tom Yawley Wildlife Center Heritage Preserve (HP). This unit extends to the north of the inlet on Debidue Beach and to the south of the inlet on North Island.

Unit SC-6: North Santee Bay Inlet. 13.8 km (8.7 mi) of shoreline in Georgetown County.

The majority of the unit is within the Tom Yawley Wildlife Center HP and the Santee-Delta Wildlife Management Area. This unit is at the North Santee Bay inlet and includes lands of South Island, Santee Point, Cedar Island, and all of North Santee Sandbar.

Unit SC-7: Cape Romain. 24.9 km (15.5 mi) of shoreline in Charleston County.

The majority of the unit is within Cape Romain National Wildlife Refuge. This unit includes the southern portion of Cape Island, the southernmost portion of Lighthouse Island, and the southern side of the far eastern tip of Raccoon Key.

Unit SC-8: Bull Island. 7.7 km (5.0 mi) of shoreline in Charleston County.

The majority of the unit is within Cape Romain National Wildlife Refuge and land owned by the South Carolina Department of Natural Resources. This unit is the southern portion of Bull Island at the inlet and northeast tip of Capers Island HP at the inlet.

Unit SC-9: Stono Inlet. 16.0 km (9.9 mi) of shoreline in Charleston County.

Most of this unit is privately owned. A portion of the unit is Bird Key-Stono HP.

Unit SC-10: Seabrook Island. 3.5 km (2.5 mi) of shoreline in Charleston County.

This unit extends from Captain Sams Inlet to the southwest approximately 3.5 km (2.5 mi). Most of this unit is privately owned.

Unit SC-11: Deveaux Bank. 6.1 km (3.7 mi) of shoreline in Charleston County.

The entire unit is within Deveaux Bank HP. This unit includes all of Deveaux island.

Unit SC-12: Otter Island. 4.1 km (2.5 mi) of shoreline in Colleton County.

The majority of the unit is within St. Helena Sound HP. This unit includes the southern portion of Otter Island.

Unit SC-13: Harbor Island. 3.9 km (2.5 mi) of shoreline in Beaufort County.

The majority of the unit is State-owned. This unit extends from the northeastern tip of Harbor Island and includes all of Harbor Spit.

Unit SC-14: Caper's Island. 5.7 km (3.7 mi) of shoreline in Beaufort County.

Most of this unit is privately owned. This unit includes the entire Atlantic Coast shoreline of Caper's Island.

Unit SC-15: Hilton Head. 6.0 km (3.7 mi) of shoreline in Beaufort County.

The majority of this unit is State-owned. This unit includes the northeastern tip (Atlantic Ocean side) of Hilton Head Island and all of Joiner Bank.

## **Georgia**

Unit GA-1: Tybee Island. 3.4 km (2.1 mi) of shoreline in Chatham County.

The majority of the unit is privately owned. This unit extends along the northern tip of Tybee Island starting from 0.8 km (.5 mi) northeast from the intersection of Crab Creek and Highway 80 to 0.7 km (.41 mi) northeast from the intersection of Highway 80 and Horse Pen Creek.

Unit GA-2: Little Tybee Island. 12.3 km (7.6 mi) of shoreline in Chatham County.

The majority of the unit is within Little Tybee Island State Heritage Preserve. This unit extends just south of the first inlet to Wassaw Sound along the Atlantic Ocean coastline.

Unit GA-3: North Wassaw Island. 4.0 km (2.5 mi) of shoreline in Chatham County.

The entire unit is within Wassaw National Wildlife Refuge. This unit extends from Wassaw Sound south along the Atlantic Coastline approximately 1.6 km (1.0 mi).

Unit GA-4: South Wassaw Island. 3.3 km (2.0 mi) of shoreline in Chatham County.

The entire unit is within Wassaw National Wildlife Refuge. This unit extends from the last southern 1.6 km (1.0 mi.), around the southern tip of Wassaw Island, up to the first inlet.

Unit GA-5: Ossabaw Island. 15.1 km (9.4 mi) of shoreline in Chatham County.

The entire unit is within Ossabaw Island State HP. This unit includes the northeastern tip (Camp Creek then east ) and 12 km (7.5 mi) south along the Atlantic Ocean shoreline to a point 2.8 km (1.75 mi) past the center inlet.

Unit GA-6: St. Catherine's Island Bar. 6.6 km (4.1 mi) of shoreline in Liberty County.

The entire unit is State owned and located east-northeast of St. Catherine's Island. This unit includes the entire St. Catherine's Island Bar.

Unit GA-7: McQueen's Inlet. 27.2 km (16.9 mi) of shoreline in Liberty County.

The majority of the unit is private land along the eastern-central coastline on St. Catherine's Island. This unit extends from McQueen's Inlet north approximately 3.5 km (2.2 mi) and south approximately 1.6 km (1.0 mi).

Unit GA-8: St. Catherine's Island. 3.5 km (2.2 mi) of shoreline in Liberty County.

The majority of the unit is private land on the southern tip of St. Catherine's Island. This unit starts 1.2 km (0.75 mi) north of Sapelo Sound and stops inland at Brunsen Creek.

Unit GA-9: Blackbeard Island. 6.1 km (3.8 mi) of shoreline in McIntosh County.

The entire unit is within the Blackbeard Island National Wildlife Refuge. This unit includes the northeastern portion of the island.

Unit GA-10: Sapelo Island. 2.4 km (1.5 mi) of shoreline in McIntosh County.

The entire unit is within a State Wildlife Management Unit within Sapelo Island. The unit extends south of Cabretta tip approximately 1.6 km (1.0 mi).

Unit GA-11: Wolf Island. 12.3 km (7.7 mi) of shoreline in McIntosh County.

The majority of the unit is within Wolf Island National Wildlife Refuge and private lands just north of the Refuge. The unit includes the eastern half of Wolf Island.

Unit GA-12: Egg Island Bar. 3.8 km (2.4 mi) of shoreline in McIntosh County.

This unit is State owned and includes all of Egg Island Bar.

Unit GA-13: Little St. Simon's Island. 15.1 km (9.4 mi) of shoreline in Glynn County.

The majority of the unit is private land on Little St. Simon's Island. This unit includes the entire eastern coastline along Little St. Simon's Island.

Unit GA-14: Sea/St. Simon's Island. 3.9 km (2.4 mi) of shoreline in Glynn County.

The majority of the unit is private land on the south tip of Sea Island and on the east beach of St. Simon's Island. This unit extends north of Gould's Inlet (Sea Island) and south of Gould's Inlet (St. Simon's Island).

Unit GA-15: Jekyll Island. 2.8 km (1.7 mi) of shoreline in Glynn County.

The majority of the unit is within State lands on Jekyll Island. This unit includes the southern region of Jekyll Island.

Unit GA-16: Cumberland Island. 36.6 km (22.7) of shoreline in Camden County.

The majority of the unit is along Cumberland Island Wilderness Area and Cumberland Island National Seashore. This unit includes the majority of the eastern Atlantic Ocean shoreline of Cumberland Island.

## **Florida**

Unit FL-1: Big Lagoon. 1.4 km (0.9 mi) of shoreline in Escambia County.

The majority of the unit is within Big Lagoon State Recreation Area. This unit includes the peninsula areas and islands of the State lands.

Unit FL-2: Big Sabine. 6.7 km (4.2 mi) of shoreline in Escambia County.

The majority of the unit is within Gulf Islands National Seashore. This unit includes areas adjacent to Santa Rosa Sound of Big Sabine Point and adjacent embayment.

Unit FL-3: Navarre Beach. 2.9 km (1.8 mi) of shoreline in Escambia and Santa Rosa Counties.

The majority of the unit is within lands owned by Gulf Islands National Seashore and managed by the Santa Rosa Island Authority. This unit includes lands adjacent to Santa Rosa Island.

Unit FL-4: Marifarms. 12.5 km (7.8 mi) of shoreline in Bay County.

The majority of the unit is a mixture of State and private lands. This unit extends just east of Cedar Point and ends on far east side of the southeastern-most Marifarms impoundment.

Unit FL-5: Shell/Crooked Islands. 46.8 km (29.0 mi) of shoreline in Bay County.

The entire unit is within Tyndall Air Force Base. This unit includes all of Shell Island, Crooked Island West, and Crooked Island East.

Unit FL-6: Upper St. Joe Peninsula. 8.2 km (5.1 mi) of shoreline in Gulf County.

The majority of the unit is within St. Joseph State Park. This unit includes the northern portion of the peninsula.

Unit FL-7: Cape San Blas. 5.1 km (3.2 mi) of shoreline in Gulf County.

The majority of the unit is within Eglin Air Force Base. This unit includes the area known as the Cape.

Unit FL-8: St. Vincent Island. 11.6 km (7.2 mi) of shoreline in Franklin County.

The majority of the unit is within St. Vincent National Wildlife Refuge. This unit includes the western end of St. Vincent Island and areas adjacent to West Pass, the eastern end of St. Vincent Island, and the western portion of Little St. George Island.

- Unit FL-9: East St. George Island. 27.8 km (17.3 mi) of shoreline in Franklin County.  
The majority of the unit is within St. George State Park. This unit includes the State lands on the eastern portion of St. George Island.
- Unit FL-10: Yent Bayou. 4.7 km (2.9 mi) of shoreline in Franklin County.  
The majority of the unit is State owned. This unit is adjacent to the area known as Royal Bluff.
- Unit FL-11: Carabelle Beach. 4.1 km (2.5 mi) of shoreline in Franklin County.  
The area within this unit is privately owned. This unit is the peninsula created by Boggy Jordon Bayou.
- Unit FL-12: Lanark Reef. 8.8 km (5.5 mi) of shoreline in Franklin County.  
The entire unit is State owned. This unit includes the entire island.
- Unit FL-13: Phipps Preserve. 4.3 km (2.7 mi) of shoreline in Franklin County.  
The majority of the unit is within Phipps Preserve. This unit includes the western portion of Alligator Point.
- Unit FL-14: Hagens Cove. 20.3 km (12.6 mi) of shoreline in Taylor County.  
The majority of the unit is within Big Bend Wildlife Management Area. This unit extends from Sponge Point to Piney Point.
- Unit FL-15: Anclote Keys. 10.4 km (6.4 mi) of shoreline in Pasco and Pinellas Counties.  
The majority of the unit is within Anclote Key State Preserve. This unit extends from North Anclote Key to the lighthouse.
- Unit FL-16: Three Rooker Island. 7.0 km (4.3 mi) of shoreline in Pinellas County.  
The majority of the unit is within Anclote Key State Preserve. This unit includes all the islands of this complex.
- Unit FL-17: North Honeymoon Island. 4.6 km (2.9 mi) of shoreline in Pinellas County.  
The majority of the unit is within Honeymoon Island State Recreation Area. This unit extends from North Point to the midpoint of Honeymoon Island.
- Unit FL-18: South Honeymoon Island. 3.0 km (1.9 mi) of shoreline in Pinellas County.  
The majority of the unit is private land. This unit is at the southern end of Honeymoon Island and encompasses the far southeastern tip.
- Unit FL-19: Caladesi Island. 4.9 km (3.0 mi) of shoreline in Pinellas County.  
The majority of the unit is within Caladesi Island State Park. This unit extends from Hurricane Pass

to Dunedin Pass on the Gulf of Mexico side.

Unit FL-20: Shell Key and Mullet Key. 14.9 km (9.2 mi) of shoreline in Pinellas County.

The majority of the unit is within Fort Desoto Park. This unit includes the Shell Key Island complex and the northwest portion of Mullet Key.

Unit FL-21: Egmont Key. 6.8 km (4.2 mi) of shoreline in Hillsborough County.

The majority of the unit is within Egmont Key National Wildlife Refuge. This unit includes the entire island.

Unit FL-22: Cayo Costa. 5.6 km (3.5 mi) of shoreline in Lee County.

The majority of the unit is within Cayo Costa State Park, and much of the remaining area is in the Cayo Costa Florida Conservation and Recreation Lands (CARL) acquisition project. This unit extends near the north end of the island and includes Murdock Point.

Unit FL-23: North Captiva Island. 2.9 km (1.8 mi) of shoreline in Lee County.

The unit is within the Cayo Costa CARL land purchase project. This unit extends from Captiva pass at the north to approximately Foster Bay at the south.

Unit FL-24: Captiva Island and Sanibel Island. 2.9 km (1.8 mi) of shoreline in Lee County.

The unit spans the Wulfert Channel that separates Captiva from Sanibel to the south. The large majority of the unit is on Sanibel, extending south to include Bowmans Beach County Park.

Unit FL-25: Bunch Beach. 7.0 km (4.4 mi) of shoreline in Lee County.

This unit is mostly within a CARL Estero Bay acquisition project. It lies along San Carlos Bay, on the mainland between Sanibel Island and Estero Island (Fort Myers Beach). It includes Bunch Beach at the end of John Morris Road on the mainland and the western tip of Estero Island (Bodwitch Point).

Unit FL-26: Estero Island. 4.3 km (2.7 mi) of shoreline in Lee County.

The majority of the unit is privately owned. The unit consists of approximately the southern third of the island's Gulf-facing shoreline (excluding south-facing shoreline at the south end of the island that faces Big Carlos Pass rather than the Gulf).

Unit FL-27: Marco Island. 10.6 km (6.5 mi) of shoreline in Collier County.

The unit is mostly privately owned, except for the Sand Dollar Key area at Tigertail Beach. The unit extends from uninhabited islands on the north side of Big Marco Pass through Sand Dollar Island and Tigertail Beach at the north end of the island, to Marco Island's south end at Caxambas Pass. The islands north of Big Marco Pass are within the Rookery Bay CARL acquisition project.

Unit FL-28: Marquesas Keys. 20.5 km (12.7 mi) of shoreline in Monroe County.

The unit comprises the roughly circular atoll that encloses Mooney Harbor, including Gull Keys and Mooney Harbor Key. The entire unit is within Key West National Wildlife Refuge.

Unit FL-29: Boca Grande/Woman/Ballast Keys. 8.8 km (5.5 mi) of shoreline in Monroe County.

Boca Grande and Woman Keys, east of the Marquesas Keys, are within Key West National Wildlife Refuge. Ballast Key is privately owned.

Unit FL-30: Bahia Honda/Ohio Keys. 12.1 km (7.5 mi) of shoreline in Monroe County.

This unit comprises Bahia Key (including a small island off its southwest shore), which is almost entirely owned by Bahia Honda State Park, plus Ohio Key, which is privately owned.

Unit FL-31: Lower Matecumbe Key. 3.4 km (2.1 mi) of shoreline in Monroe County.

Part of the unit is at Sea Oats Beach, owned by the Village of Islamorada. The remaining is at Ann's Beach.

Unit FL-32: Sandy Key/Carl Ross Key. 2.5 km (1.6 mi) of shoreline in Monroe County.

This unit consists of two adjoining islands in Florida Bay, roughly south of Flamingo in Everglades National Park. The entire area is owned and managed by the National Park Service.

Unit FL-33: St. Lucie Inlet. 4.1 km (2.6 mi) of shoreline in Martin County.

The unit includes a small area on the north shore of St. Lucie Inlet. The great majority of the unit is on the inlet's south side, including Saint Lucie Inlet State Preserve, which is administered by Jonathan Dickinson State Park.

Unit FL-34: Ponce de Leon Inlet. 3.4 km (2.2 mi) of shoreline in Volusia County.

The majority of the unit is within Smyrna Dunes Park and Lighthouse Point Park. This unit extends on either side of the inlet.

Unit FL-35: Huguenot. 25.1 km (15.5 mi) of shoreline in Nassau and Duval Counties.

The majority of the unit is within Big Talbot Island State Park, Little Talbot Island State Park, and the Tinucuan Ecological and Historical Preserve. This unit extends from the Simpson Creek inlet to the inlet of the St. Johns River.

Unit FL-36: Tiger Islands. 4.8 km (3.0 mi) of shoreline in Nassau County.

The entire unit is privately owned. This unit extends the northern tip of Tiger Island running southeast along the Cumberland Sound side of Tiger and Little Tiger Islands including the mouth of Tiger Creek.

## **Alabama**

Unit AL-1: Isle Aux Herbes. 13.3 km (8.3 mi) of shoreline in Mobile County.

This unit includes Mississippi Sound shoreline on Isle Aux Herbes and is state-owned.

Unit AL-2: Dauphin, Little Dauphin, and Pelican Islands. 77.8 km (48.3 mi) of shoreline in Mobile County.

This unit includes areas of Mississippi Sound, Mobile Bay, and Gulf of Mexico shoreline on Dauphin, Little Dauphin, and Pelican Islands. The area is mostly privately owned but includes State and Federal lands.

Unit AL-3: Fort Morgan. 2.82 km (1.7 mi) of shoreline in Baldwin County.

This area includes Mobile Bay and Gulf of Mexico shorelines within Bon Secour National Wildlife Refuge, Fort Morgan Unit. This unit extends from the west side of the pier on the northwest point of the peninsula, following the shoreline southwest around the tip of the peninsula, then east to the terminus of the beach access road. The area is State-owned but is leased by the Federal Government.

## **Mississippi**

Unit MS-1: Lakeshore through Bay St. Louis. 14.6 km (9.1 mi) of shoreline in Hancock County.

This unit extends from the north side of Bryan Bayou outlet and includes the shore of the Mississippi Sound following the shoreline northeast to the southeast side of the Bay Waveland Yacht Club. The shoreline of this unit is privately owned.

Unit MS-2: Henderson Point. 4.3 km (2.7 mi) of shoreline in Harrison County.

This unit extends from 0.2 km (0.13 mi) west of the intersection of 3<sup>rd</sup> Avenue and Front Street and includes the shore of the Mississippi Sound following the shoreline northeast to the west side of Pass Christian Harbor. The shoreline of this unit is privately owned.

Unit MS-3: Pass Christian. 10.6 km (6.6 mi) of shoreline in Harrison County.

This unit extends from the east side of Pass Christian Harbor and includes the shore of the Mississippi Sound following the shoreline northeast to the west side of Long Beach Pier and Harbor. The shoreline of this unit is privately owned.

Unit MS-4: Long Beach. 4.4 km (2.7 mi) of shoreline in Harrison County.

This unit extends from the east side of Long Beach Pier and Harbor and includes the shore of the Mississippi Sound following the shoreline northeast to the west side of Gulfport Harbor. The shoreline of this unit is privately owned.

Unit MS-5: Gulfport. 4.3 km (2.7 mi) of shoreline in Harrison County.

This unit extends from the east side of Gulfport Harbor and includes the shore of the Mississippi Sound following the shoreline northeast to the west side of the groin at the southern terminus of

Courthouse Road, Mississippi City, MS. The shoreline of this unit is privately owned.

Unit MS-6: Mississippi City. 8.1 km (5.0 mi) of shoreline in Harrison County.

This unit extends from the east side of the groin at the southern terminus of Courthouse Road, Mississippi City, MS, and includes the shore of the Mississippi Sound following the shoreline northeast to the west side of President Casino. The shoreline of this unit is privately owned.

Unit MS-7: Beauvoir. 0.6 km (0.4 mi) of shoreline in Harrison County.

This unit extends from the east side of President Casino Broadwater and includes the shore of the Mississippi Sound following the shoreline eastward to the west side of Treasure Bay Casino Resort. The shoreline of this unit is privately owned.

Unit MS-8: Biloxi West. 5.9 km (3.7 mi) of shoreline in Harrison County.

This unit extends from the east side of Treasure Bay Casino Resort and includes the shore of the Mississippi Sound following the shoreline east to the intersection of Interstate 110 and U.S. 90. The shoreline of this unit is privately owned.

Unit MS-9: Biloxi East. 1.5 km (0.9 mi) of shoreline in Harrison County.

This unit extends from the east side of Biloxi Harbor and includes the shore of the Mississippi Sound following the shoreline east to 0.1 km west of the intersection of Oak Street and Beach Boulevard. The shoreline of this unit is privately owned.

Unit MS-10: Ocean Springs West. 1.9 km (1.2 mi) of shoreline in Jackson County.

This unit extends from U.S. 90 and includes the shore of Biloxi Bay following the shoreline southeast to the Ocean Springs Harbor inlet. The shoreline of this unit is privately owned.

Unit MS-11: Ocean Springs East. 2.6 km (1.6 mi) of shoreline in Jackson County.

This unit extends from Weeks Bayou and includes the shore of Biloxi Bay following the shoreline southeast to Halstead Bayou. The shoreline of this unit is privately owned.

Unit MS-12: Deer Island. 14.6 km (9.1 mi) of shoreline in Harrison County.

The entire unit is on Deer Island. This unit includes privately owned Mississippi Sound shoreline.

Unit MS-13: Round Island. 2.6 km (1.6 mi) of shoreline in Jackson County.

This unit includes privately owned Mississippi Sound shoreline.

Unit MS-14: Mississippi Barrier Islands. 130.5 km (81.1 mi) of shoreline in Harrison and Jackson Counties.

This unit includes shoreline of the Mississippi Sound and Gulf of Mexico on Cat, East and West Ship, Horn, Spoil and Petit Bois Islands. Approximately 39.9 km (24.8 mi) are privately owned,

and 95.6 km (59.4 mi) are part of Gulf Islands National Seashore.

Unit MS-15: North and South Rigolets. 5.9 km (3.7 mi) of shoreline in Jackson County, MS, and Mobile County, AL.

This unit extends from the southwestern tip of South Rigolets Island and includes the shore of Point Aux Chenes Bay, the Mississippi Sound, and Grand Bay following the shoreline east around the western tip, then north to the South Rigolets Bayou; then from the southeastern corner of North Rigolets Island north to the northeastern most point of the island. Approximately 4.3 km (2.7 mi) are in Mississippi and 1.6 km (1.0 mi) are in AL. Almost half the Mississippi shoreline length is in the Grand Bay National Wildlife Refuge.

## **Louisiana**

Unit LA-1: Texas/Louisiana border to eastern Vermilion Parish line. 186.9 km (116.1 mi) of shoreline in Cameron and Vermilion Parishes.

This unit extends from the Texas/Louisiana border and includes the shore of the Gulf of Mexico following the shoreline east to the eastern Vermilion Parish line. Approximately 144.8 km (90.0 mi) are privately owned, and 50.7 km (31.5 mi) are part of the state-owned Rockefeller Wildlife Refuge and Cheniere au' Tigre.

Unit LA-2: Wax Lake Outlet and Atchafalaya River Deltas. 35,178 ha (86,927 ac) in St. Mary Parish, LA.

This unit is part of the State-owned Atchafalaya Delta Wildlife Management Area (WMA) and includes islands and exposed mudflats in the eastern portion of the WMA.

Unit LA-3: Point Au Fer Island. 36.7 km (22.8 mi) of shoreline in Terrebonne Parish.

This unit extends from the small island at the northwest tip of Point Au Fer Island, follows the shoreline of Point Au Fer Island southeast, and includes the shore of the Gulf of Mexico following the shoreline southeast to the western side of East Bay Junop. This entire unit is privately owned.

Unit LA-4: Isles Dernieres. 60.7 km (37.7 mi) of shoreline in Terrebonne Parish.

This unit comprises Caillou Bay, Lake Pelto, and Gulf of Mexico shoreline on the state-owned Isles Dernieres chain.

Unit LA-5: Timbalier Islands to Grand Terre Islands. 134.1 km (83.3 mi) of shoreline in Lafourche, Jefferson, and Plaquemines Parishes.

This unit includes 108.8 km (67.6 mi) of privately owned shoreline along West and East Timbalier Islands, from Belle Pass to Cheniere Caminada, Grand Isle, and Grand Terre Island; and 25.3 km (15.7 mi) of state-owned shoreline along West Timbalier, Grand Isle State Park, and Grand Terre Islands. Shoreline includes that of Caillou Bay, Lake Pelto, and the Gulf of Mexico.

Unit LA-6: Mississippi River Delta. 262,730 ha (649,220 ac) in Plaquemines Parish, LA.

This unit is part of the State-owned Pass a Loutre Wildlife Management Area and includes sand islands off South Pass.

Unit LA-7: Breton Islands and Chandeleur Island Chain. 132.9 km (82.6 mi) of shoreline in Plaquemines and St. Bernard Parishes, LA.

This unit includes shoreline of Breton Sound, Chandeleur Sound, and Gulf of Mexico on the Breton Islands and Chandeleur Island chain. A total of 100.4 km (62.4 mi) of shoreline are included in the Breton National Wildlife Refuge, and 32.5 km (20.2 mi) of shoreline is owned by the State.

## **Texas**

Unit TX-1: South Bay and Boca Chica. 7,810 ha (9,575 ac) in Cameron County.

Approximately 3,875 ha (4,448 ac) of the unit are owned and managed by the Lower Rio Grande Valley National Wildlife Refuge. Approximately 1,375 ha (3,398 ac) of the unit falls within the South Bay Coastal Preserve, leased by the Texas General Land Office (TGLO) to Texas Parks and Wildlife Department for management to protect this unique coastal area. In addition, the Texas Parks and Wildlife Department owns and manages 425 ha (1,050 ac) at Boca Chica State Park. The remaining 2,135 ha (5,275 ac) is privately owned and managed. Beaches within the unit reach from the mouth of the Rio Grande northward to Brazos Santiago Pass, south of South Padre Island. The unit includes areas from the Gulf of Mexico at the Rio Grande, west to near Loma de las Vacas, north to the Brownsville Ship Channel near Loma Ochoa, and east to the Gulf of Mexico along the Brownsville Ship Channel.

Unit TX-2: Queen Isabella Causeway. 37 ha (91 ac) in Cameron County.

The area extends along the Laguna Madre west of the city of South Padre Island and is privately owned.

Unit TX-3: Padre Island. 104,550 ha (258,339 ac) in Cameron, Willacy, Kenedy, and Kleberg Counties.

This unit is the largest in Texas. Approximately 45 percent (46,450 ha (114,776 ac)) of the unit is owned and managed by Padre Island National Seashore (PAIS). The TGLO owns and manages about 48 percent (48,900 ha (120,830 ac)), although boundaries between the state-owned lands and private lands are not always well-demarcated. The remaining 9,200 ha (22,733 ac) is privately owned with a significant portion of that area being owned and managed by The Nature Conservancy on South Padre Island. The unit spans the breadth of the island from the north end of the City of South Padre Island to mile marker 30 on PAIS where the unit splits to include only bayside flats and beach. This unit probably harbors the single largest number of wintering piping plovers.

Unit TX-4: Lower Laguna Madre Mainland. 15,555 ha (38,436 ac) in Cameron and Willacy, Counties.

This unit constitutes important habitat when flats on Unit TX-3 are inundated. It is a unit with approximately 3,930 ha (9,711 ac) within the Laguna Atascosa National Wildlife Refuge. Approximately 3,855 ha (9,526 ac) is privately owned, with the remaining 7,770 ha (19,199 ac) owned and managed by the TGLO. The unit constitutes a system of mainland flats reaching from El Realito Peninsula to an area south of the City of Port Mansfield.

Unit TX-5: Upper Laguna Madre. 1,245 ha (3,076 ac) in Kleberg County.

This unit includes 170 hectares (420 acres) of PAIS and consists of a series of small flats along the bayside of Padre Island in the Upper Laguna Madre. The remainder of the area is privately owned with adjacent state-owned submerged lands. The unit stretches from just south of the northern boundary of PAIS to the Kleberg/Nueces County line and includes the area from just gulfward of the Gulf Intercoastal Waterway to uplands on Padre Island.

Unit TX-6: Mollie Beattie Coastal Habitat. 935 ha (2,310 ac) in Nueces County.

This unit is primarily composed of submerged land owned and managed by the TGLO. Much of the unit falls within two state tracts that have been designated under a Memorandum of Understanding between the U.S. Fish and Wildlife Service and the TGLO as an Adopt-a-Habitat site. The unit reaches from uplands on Mustang Island, near State Highway 361, to just gulfward of the Gulf Intercoastal Waterway, and from Packery Channel on the south to just north of Corpus Christi Pass on the north. Approximately 54 ha (133 ac) is owned by Nueces County. Approximately 117 ha (289 ac) of uplands are privately owned, and the remaining 764 ha (1,888 ac) are owned and managed by the TGLO.

Unit TX-7: Newport Pass/Corpus Christi Pass Beach. 200 ha (494 ac) in Nueces County.

This unit is along a stretch of Gulf beach approximately 8.5 km (5.3 mi) long. Approximately 5.75 km (3.6 mi) are managed by the Texas Parks and Wildlife Department as part of Mustang Island State Park. The remaining 2.75 km (1.7 mi) are leased from the TGLO by Nueces County. The unit stretches from near the entrance of Zahn Road onto the beach to Fish Pass to the north.

Unit TX-8: Mustang Island Beach. 19.5 km (12.1 mi) in Nueces County.

This is a stretch of Gulf beach between Fish Pass in Mustang Island State Park to the City of Port Aransas, TX. Approximately 2.5 km (1.5 mi) fall within the State Park, and the remaining 17 km (10.6 mi) are managed by Port Aransas and Nueces County.

Unit TX-9: Fish Pass Lagoons. 175 ha (432 ac) in Nueces County.

This unit is a system of interior lagoons on Mustang Island, within Mustang Island State Park. This system of lagoons falls along either side of Fish Pass and runs northeast to southwest along an axis parallel to the main axis of Mustang Island. The unit encompasses flats approximately 1.0 km (0.6 mi) either side of Fish Pass.

Unit TX-10: Shamrock Island and Adjacent Mustang Island Flats. 880 ha (2,174 ac) in Nueces County.

This unit is made up of privately owned land and adjacent State-owned submerged lands. The Nature Conservancy is the primary private landowner in the unit. The unit encompasses Shamrock Island and includes property gulfward to the entrance of Wilson's Cut, then southwest approximately 3.5 km (2.2 mi). It also includes flats along the margin of lagoons interior to Mustang Island, but adjacent and parallel to Corpus Christi Bay.

Unit TX-11: Blind Oso. 31 ha (77 ac) in Nueces County.

This unit occurs on flats of Oso Bay, from Hans and Pat Suter Wildlife Refuge (owned and managed by the City of Corpus Christi) northeast to Corpus Christi Bay and then southeast along the edge of Texas A&M University - Corpus Christi. The entire unit falls within state-owned submerged lands, but is bordered on all sides by private property.

Unit TX-12: Adjacent to Naval Air Station-Corpus Christi. 88 ha (217 ac) in Nueces County.

This unit also occurs within Oso Bay on flats bordered by Naval Air Station-Corpus Christi on the east. This unit consists of flats near the entrance of Oso Bay to Corpus Christi Bay. The unit occurs within state-owned submerged lands, but is bordered by Federal lands owned and managed by the U. S. Navy.

Unit TX-13: Sunset Lake. 370 ha (914 ac) in San Patricio County.

This unit is owned and managed by the City of Portland within a system of city parks. Some of the described area falls within the jurisdiction of the TGLO. It includes two city park units referred to as Indian Point and Sunset Lake. Much of the unit is a recent acquisition by the city, and management considerations for the park include the area's importance as a site for wintering and resident shorebirds. The area is bordered on the northwest by State Highway 181 and on the southeast by Corpus Christi Bay. To the north, the unit is bordered by the City of Portland and includes the remainder of the peninsula, which follows along State Highway 181.

Unit TX-14: East Flats. 520 ha (1,284 ac) in Nueces County.

About 240 ha (593 ac) of the west end of this unit falls within State-owned (TGLO) submerged lands. The remainder of the unit is privately owned. It is bordered on the north by dredge placement areas bordering the Corpus Christi Ship Channel, on the west by Corpus Christi Bay, and on the east by the City of Port Aransas. It is bisected by a navigation channel.

Unit TX-15: North Pass. 710 ha (1,754 ac) in Aransas County.

This unit is a washover system, primarily on the privately owned San Jose Island. The unit is bordered on the west by Aransas Bay, just south of Mud Island, and it abuts the beach unit TX-16 to the east. The unit borders TX-16 for approximately 2.0 km (1.2 mi) and stretches landward (to the north and west) to Aransas Bay.

Unit TX-16: San Jose Beach. 32.0 km (19.9 mi) of shoreline in Aransas County.

This unit occupies a stretch of beach on the privately owned island of San Jose. The unit stretches

from the jetties on the south end of San Jose Island, just north of Port Aransas, to Cedar Bayou, where San Jose Island is adjacent to Matagorda Island.

Unit TX-17: Allyn's Bight. 109 ha (269 ac) in Aransas County.

This unit is adjacent to and bordered on the east by San Jose Island. It occurs south of a section of the San Jose Island shoreline known as Allyn's Bight, at the northeast end of Mud Island along the east margin of Aransas Bay.

Unit TX-18: Cedar Bayou/Vinson Slough. 3,645 ha (9,007 ac) in Aransas County.

This unit abuts unit TX-17 on San Jose Island and unit TX-19 on Matagorda Island. It includes the highly dynamic area of Cedar Bayou, the pass that separates San Jose Island and Matagorda Island. This area includes a small section of Matagorda Island National Wildlife Refuge (approximately 43 ha (106 acres)) with much of the remaining 3,602 ha (8,154 ac) occurring on the privately owned island of San Jose. The unit is a band adjacent to Aransas Bay, averaging approximately 3.0 km (1.9 mi) wide and stretching from Cedar Bayou to a point about 4.0 km (2.5 mi) south of Long Reef.

Unit TX-19: Matagorda Island Beach. 69.0 km (43.0 mi) of shoreline in Calhoun County.

This stretch of beach on Matagorda Island extends from Cedar Bayou on the southwest (where it abuts TX-18), to Pass Cavallo on the northeast. The unit falls entirely within the boundary of the Matagorda Island National Wildlife Refuge.

Unit TX-20: Ayres Point. 590 hectares (1,458 acres) in Calhoun County.

This unit includes marsh and flats at Ayres Point on Matagorda Island National Wildlife Refuge. The unit is on Ayres Point between Shell Reef Bayou and Big Brundrett Lake.

Unit TX-21: Panther Point to Pringle Lake. 2,629 ha (6,496 ac) in Calhoun County.

This unit represents a narrow band of habitats about 1.0 km (0.6 mi) wide that stretches from Panther Point to the northwest end of Pringle Lake. The unit is entirely within Matagorda Island National Wildlife Refuge.

Unit TX-22: Decros Point. 905 ha (2,236 ac) at the Matagorda/Calhoun County line.

This unit includes about 7.0 km (4.3 mi) of Gulf beach habitat along the tip of Matagorda Peninsula southwest of the Matagorda Ship Channel. The adjacent upland is privately owned.

Unit TX-23: West Matagorda Peninsula Beach. 40.0 km (24.8 mi) of shoreline in Matagorda County.

This unit extends from the jetties at the Matagorda Ship Channel to the old Colorado River channel. This beach is along private lands.

Unit TX-24: West Matagorda Bay/Western Peninsula Flats. 1,165 ha (2,879 ac) in Matagorda County.

This unit is a series of flats, exposed at low tide, along the bayside of Matagorda Peninsula on the

margin of West Matagorda Bay. The peninsula is privately owned, and this unit is one of two bayside flats that have been identified on the peninsula. This is the western most of the two West Matagorda Bay units.

Unit TX-25: West Matagorda Bay/Eastern Peninsula Flats 430 ha (1,062 ac) in Matagorda County.

This unit is the eastern-most of two units on the bayside of West Matagorda Bay along Matagorda Peninsula. The peninsula along which this unit is located is privately owned.

Unit TX-26: Colorado River Diversion Delta. 455 ha (1,124 ac) in Matagorda County.

This unit consists of flats that have formed in the northeast corner of West Matagorda Bay where the Colorado River empties into the bay. It is state-owned.

Unit TX-27: East Matagorda Bay/Matagorda Peninsula Beach West. 22.0 km (13.7 mi) of shoreline in Matagorda County.

This unit is along Gulf beach on the Matagorda Peninsula southeast of East Matagorda Bay. It stretches from the old Colorado River channel northeast along the peninsula.

Unit TX-28: East Matagorda Bay/Matagorda Peninsula Beach East. 9.5 km (5.9 mi) of shoreline in Matagorda County.

This unit runs along the Gulf beach on the northeast end of Matagorda Peninsula from southeast of Brown Cedar Cut to a point on the beach southeast of Carancahua Bend. It is a beach adjacent to private land.

Unit TX-29: Brown Cedar Cut. 270 ha (667 ac) in Matagorda County.

This is a unit on the bayside of Matagorda Peninsula in East Matagorda Bay. It occurs along privately owned land. It encompasses the flats associated with Brown Cedar Cut and abuts unit TX-28 to the southeast.

Unit TX-30: Northeast Corner East Matagorda Bay. 245 ha (605 ac) in Matagorda County.

This is a unit in the northeast corner of East Matagorda Bay. It is a system of flats associated with tidal channels near the Intracoastal Waterway. It abuts unit TX-28 to the southeast.

Unit TX-31: San Bernard NWR Beach. 14.0 km (8.7 mi) of shoreline in Matagorda and Brazoria Counties.

This is a unit composed of Gulf beach, 8.0 km (5.0 mi) of which lies within San Bernard National Wildlife Refuge. The unit stretches from the mouth of the San Bernard River to a point along the beach approximately 14.0 km (8.7 mi) to the southwest.

Unit TX-32: Gulf Beach Between Brazos and San Bernard Rivers. 9.0 km (5.6 mi) of shoreline in Brazoria County

This unit is a stretch of Gulf beach between the Brazos River and the San Bernard River.

Unit TX-33: Bryan Beach and Adjacent Beach. 6.0 km (3.7 mi) of shoreline in Brazoria County.

Part of this unit of Gulf beach lies within the Bryan Beach unit of the Peach Point Wildlife Management Area and is owned and managed by the Texas Parks and Wildlife Department.

Unit TX-34: San Luis Pass. 6.0 km (3.7 mi) of shoreline near the Brazoria/Galveston County line.

This unit is associated with the floodtide delta at San Luis Pass and includes Gulf beach and extensive sand flats associated with the pass. Approximately 57 percent of the unit includes flats in the floodtide delta, which are state-owned and managed by the TGLO. Much of the remainder of the unit is owned by the TGLO, but managed by local government. The unit includes the floodtide delta northwest of the causeway, as well as a 6.0-km (3.7-mi) stretch of beach starting at the causeway and running northeast along the Gulf.

Unit TX-35: Big Reef. 3.0 km (1.9 mi) of shoreline in Galveston County.

This unit is on the southwest side of Bolivar Roads, on the north end of the City of Galveston. It is made up of approximately 85 ha (210 ac) of beach along the inlet and associated sand flats. The area is currently managed by the City of Galveston, and much of the site is under a conservation agreement to further protection of the resources at the site.

Unit TX-36: Bolivar Flats. 670 ha (1,655 ac) in Galveston County.

This unit of flats was formed by accretion behind the jetties at Bolivar Roads near the tip of Bolivar Peninsula. The unit stretches from the jetties on the southwest to a point on the Gulf beach just north of Beacon Bayou. It includes almost 5.0 km of Gulf shoreline. The area is leased from TGLO by Houston Audubon Society and managed for its important avian resources. This unit also includes one of two Western Hemisphere Shorebird Reserve Network sites in Texas.

Unit TX-37: Rollover Pass. 290 ha (717 ac) in Galveston County.

This unit is on the bayside of Rollover Bay on Bolivar Peninsula. It includes flats on State-owned land managed by the TGLO.