

Mustang Island State Park

Site Specific Response Plan

March 19, 2020

Prepared by:
Texas General Land Office
US Coast Guard
Texas Parks and Wildlife
US Fish and Wildlife

Description

The purpose of this project is to develop a site-specific acute pollution event response plan for Mustang Island State Park to minimize damage to natural resources in the system during a pollution event. The plan will provide first responders with high quality, detailed information pertaining to land and water access routes, sensitive habitats to avoid or protect, and specific strategies for protecting those habitats. Sensitive habitats, access routes, and staging areas are clearly marked on maps and defined in the plan, so they can easily be found and utilized by personnel in the field.

Mustang Island State Park is located on Mustang Island, a coastal barrier island, and is located at 27.672162 N, -97.175309 W. The habitat of the Gulf beaches includes sandy beaches and granite constructed jetties. Bayside habitats include a mosaic of flats, marshes, shallow seagrass meadows, tidal inlets and channels. State and federally listed species include sea turtles, red knot, piping plover, reddish egret, aplomado and peregrine falcons. The park offers camping, picnicking, kayaking, fishing, swimming, birdwatching and many other recreational opportunities.

Contact Lists

USCG Monitored Frequencies

Channel	Frequency	Use	Remarks
6	156.3	Ship-to-ship safety	Use for ship-to-ship safety & Search and Rescue
12	156.6	Harbor Master/VTIS	Working Frequency
13	156.65	Bridge to Bridge	Message must be about ship navigation
16	156.8	International Distress, Safety and Calling	Only for hailing, distress, and Search and Rescue
21A	157.5	U. S. Coast Guard Only	U. S. Coast Guard Working Frequency
22A	157.1	USCG Liaison & Maritime	Use this channel to talk to Coast Guard and public
23A	157.05	U. S. Coast Guard Only	U. S. Coast Guard Working Frequency
81A	157.075	GOM	Working Frequency
83A	157.175	GOM	Working Frequency
17		State Operators	Working Frequency

Telephone Contacts

Title	Phone Number
TGLO Region 3 Corpus Christi 24-hour Duty Phone	(361) 687-6220
TGLO Region 3 Corpus Christi Office	(361) 886-1650
USCG Command Center	(361) 939-0450
USCG Pollution Response Duty Phone	(361) 533-7166
Port of Corpus Christi Emergency and Spill Notification (Security Command Center)	(361) 882-1182
Port of Corpus Christi Harbor Master	(361) 882-1773
Texas Parks & Wildlife	(512) 389-4848

Response Procedures

1. Cease all non-essential work. If the number of available personnel permit, assign one to make telephone notifications while other personnel immediately identify incident specific response priorities (#3). If only one staff member is available, begin with notification procedures in the order listed (prioritize notifications).
2. Make necessary notifications (numbers for cooperating response agencies, contractors, and stakeholders. Do not include “courtesy” calls. Use position titles and established phone numbers, not individual names).
 - **National Response Center – (800) 424-8802**
 - **Texas Emergency Spill Reporting Center – (800) 832-8224**
 - **TPWD 24-hr Austin Communications – (512) 389-4848**
 - **le.communications@tpwd.texas.gov**
3. Determine incident specific priority protection areas (prioritize developed Geographic Response Plans in ICS 204 format).
4. Mobilize equipment, manpower, and resources available to implement spill response as outlined in developed ICS 204s.
5. Respond (secure the source, contain, recover).

Booming Strategies

Spills in Corpus Christi Bay:

- Exclusion booming of the inlet to Fish Pass. Inlet is approximately 500’ across. More than one stretch of exclusion boom may be required due to wind and current conditions. Other sections of the bay side of the park should be protected using diversion booming based upon the wind and tidal currents at the time of the spill to prevent oil from passing through the inlets/channels into marshes and flats.

Spills on the Gulf Beach:

- Spills on the beach will be addressed using passive recovery materials in the intertidal zone. The selection of the most appropriate materials will be based on the characteristics of the oil spilled.

Response considerations:

- Under light oiling, the best practice is to let the area recover naturally.
- Heavy accumulations of pooled oil can be removed by vacuum, sorbents, or low-pressure flushing. During flushing, care must be taken to prevent transporting oil to sensitive areas down slope or along the shore.
- Cleanup activities should be carefully supervised to avoid vegetation damage. Attachment 5 of the South Texas Area Contingency Plan provides guidance for the development of Best Management Practices. Due to the presence of Federally listed endangered species, Section 7 consultation may be required. Both actions will aid in minimizing adverse impacts to coastal natural resources.
- Any cleanup activity must not mix the oil deeper into the sediment. Trampling of the roots must be minimized.
- Cutting of oiled vegetation should only be considered when other resources are at greater risk from leaving oiled vegetation in place. Burning of oiled vegetation would be an appropriate action.

Available Resources and Equipment

- TGLO Response Trailer
 - Location / 1830 N. Lexington Avenue, Corpus Christi TX, 78409
 - Contact: TGLO Region 3- Regional Manager
 - Phone Number: (361) 886-1650
 - 1000 ft. of response boom and 300 ft. of Expandi-boom

List of Discharge Cleanup Organizations in the area:

- Miller Environmental Services, Inc.
 - 401 Navigation Boulevard, Corpus Christi, TX 78408
 - (361) 289-9800

Additional information:

- USFWS Best Management Practices for habitat types
- NOAA Shoreline Assessment Manual
- Characteristics of Coastal Habitats (Choosing Spill Response Alternatives) NOAA
- TPWD BMPs on other sources:
 - https://tpwd.texas.gov/huntwild/wild/wildlife_diversity/habitat_assessment/tools.phtml
- Oil Spills in Marshes (Planning & Response Considerations) 2013, NOAA
 - Table 3-4. Guidance on selecting appropriate response options for oiled marshes.
- Refer to GLO toolkit and specific atlas pages for resources at risk (web links and attach hardcopies when applicable)

Staging Areas

(See Fig. 3)

1. Name: **Mustang Island State Park**

- Location / Address: **9394 State Highway 361. Port Aransas, TX**
- Lat/Long: **27° 40' 16.8" N, 97° 01' 19.3" W**
- Closest Boat Ramp: **N/A**
- Distance from Boat Ramp: **N/A**
- Directions: **Travel southeast from Corpus Christi on State Highway 358 to Padre Island; cross the JFK Causeway; continue one mile to the traffic light; turn left onto State Highway 361 (formerly Park Road 53); and go five miles north to park headquarters. The physical address of the park is 9394 State Highway 361.**
- Water Depth at Bulkhead: **N/A**
- TGLO Atlas Number: **193**
- Heliport on Site: **No**
- Phone on Site: **Yes**
- Internet on Site: **Yes**
- Radio on Site: **Yes**
- On Site Power: **Yes**
- On Site Water: **Yes**
- Gated: **Yes**
- Tidal Influence: **N/A**
- Size of Area: **1.8 acres**
- Site Contact: **Mustang Island State Park Superintendent**
- Site Contact Number: **361-749-5246**

2. Name: **Packery Channel Parking Lot**

- Location / Address: **11862 TX-361, Corpus Christi, TX 78418**
- Lat/Long: **27° 37' 7" N, 97° 12' 43.5" W**
- Closest Boat Ramp: **N/A**
- Distance from Boat Ramp: **N/A**
- Directions from Sector **Travel southeast from Corpus Christi on State Highway 358 to Padre Island; cross the JFK Causeway; continue one mile to the traffic light; turn left onto State Highway 361 (formerly Park Road 53); and go 0.75 miles north and turn right on Zahn Road.**
- Water Depth at Bulkhead: **6'**
- TGLO Atlas Number: **199**
- Heliport on Site: **No – Ad hoc heliport could be created on site**
- Phone on Site: **No**
- Internet on Site: **No**

- Radio on Site: **No**
- On Site Power: **No**
- On Site Water: **No**
- Gated: **No**
- Tidal Influence: **Yes**
- Size of Area: **3.6 acres**
- Site Contact: **County Park Director**
- Site Contact Number: **361-949-8122**

3. Name: **Billings/Clem's Boat Ramps**

- Location / Address: **13428 S Padre Island Dr, Corpus Christi, TX**
- Lat/Long: **27° 38' 3.4" N, 97° 14' 15" W**
- Closest Boat Ramp: **Billings and Clem's have boat ramps**
- Distance from Boat Ramp: **3.4 miles**
- Directions from Sector **Travel southeast from Corpus Christi on State Highway 358 to Padre Island; exit to the right just across the JFK Causeway.**
- Water Depth at Bulkhead: **6 feet**
- TGLO Atlas Number: **193**
- Heliport on Site: **No**
- Phone on Site: **No**
- Internet on Site: **No**
- Radio on Site: **No**
- On Site Power: **Yes**
- On Site Water: **Yes**
- Gated: **No**
- Tidal Influence: **Yes**
- Size of Area: **3.7 acres**
- Site Contact: **Director of Maintenance**
- Site Contact Number: **361-808-2660**

Access Routes

Land: To reach the park, travel southeast from Corpus Christi on State Highway 358 to Padre Island; cross the JFK Causeway; continue one mile to the traffic light; turn left onto State Highway 361 (formerly Park Road 53); and go five miles north to park headquarters. The physical address of the park is 9394 State Highway 361.

Park Address: 9394 State Highway 361, Port Aransas, TX 78373

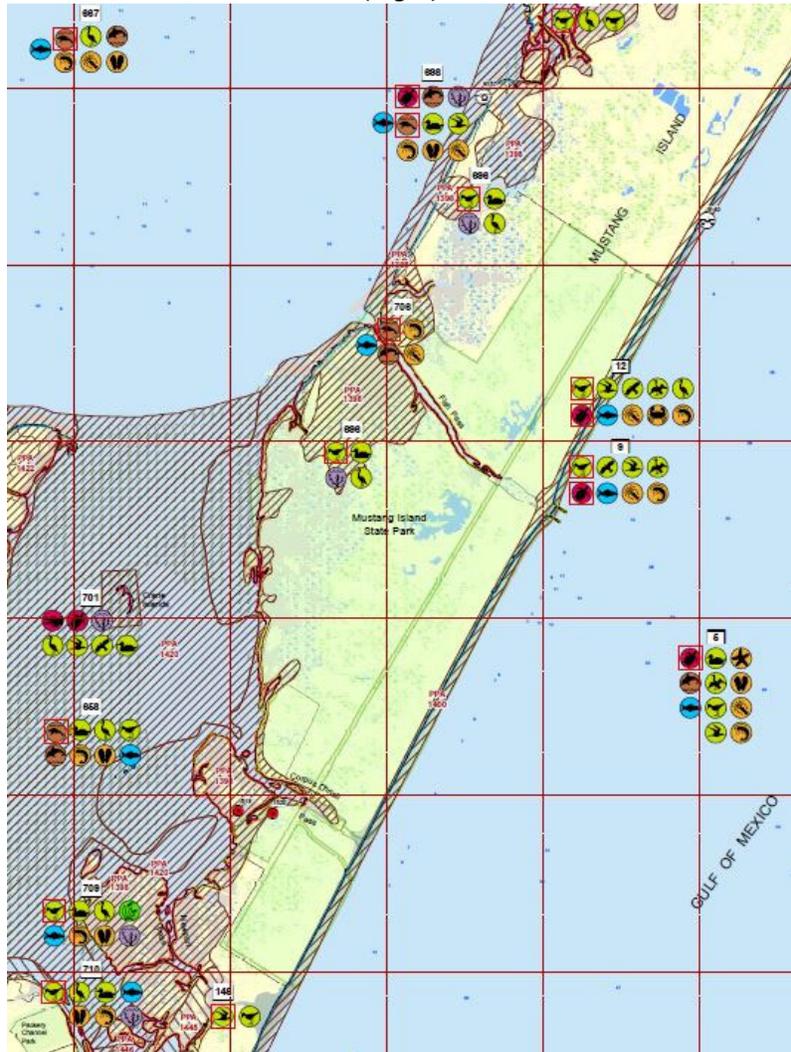
The Park HQ is located at: Latitude: 27.672162, Longitude: -97.175309

Air: Closest Helo Spot is Mustang Beach Airport. Additional landing areas may be available at Mustang Island State Park or Packery Channel, or a 100' by 100' space may be designated as an ad hoc landing area.

Water/Boat Ramps: Three boat ramps are close to the park (Packery Channel, Billings and Clem's). The locations are described in the Staging Areas portion of this document. There is an additional optional ramp at the end of Wilson's Cut which could be pressed into service if the need arises.

Maps

Biological:
(Fig 1)



- <http://www.glo.texas.gov/ost/>
- All biological and shoreline data can be found on the TGLO toolkit using the link above. Mustang Island State Park can be found on page 193.

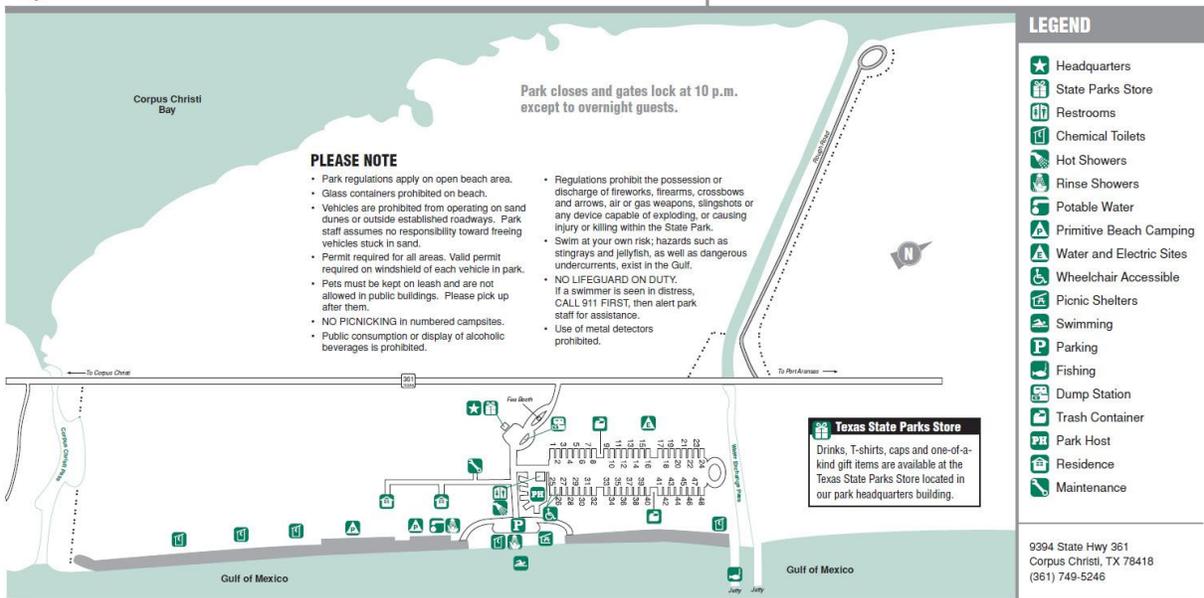
Park Facilities: (Fig 2)



Mustang Island State Park

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PARK RESERVATIONS

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Staging Areas:
(Fig 3)

