

Desktop Review for a 6.48-acre site located at the West End of Galveston Island, near San Luis Pass. This site is on Galveston Island. The Galveston CAD shows the present owner of this site is Marc M. Britton. The legal description is: Abstract 121 Hall & Jones Survey Tract 10-1. The ID is 370263.



Image from Galveston County Central Appraisal District.

Multiple resources were utilized in this desk top review. Images of each is included in this review, along with a brief description of information obtained from the resource.



January 25, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

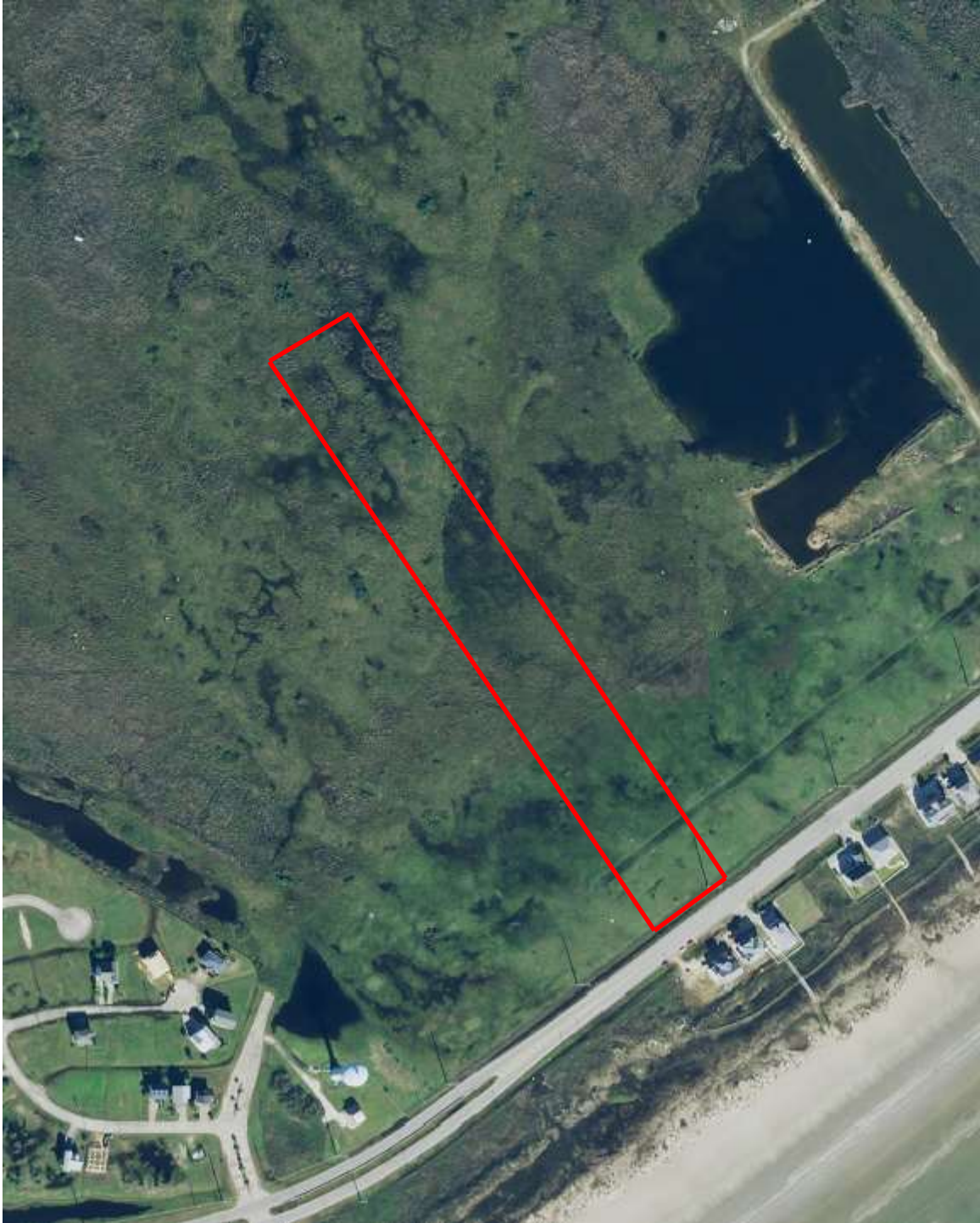
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or completeness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (2022)
 This page was produced by the FWS mapper.

The National Wetlands Inventory Map was obtained from the U. S. Fish and Wildlife Services web page. It indicates a potential wetland near the North property line. The code for this potential wetland area is PEM1A, Palustrine (P), Emergent (EM), Persistent (1), Temporary Flooded (A).



March 3, 2018 Google Earth image. North of the yellow line the image appears to change from upland signature to wetland signature. This area will need further investigation during the site visit.



Texas Natural Resources Information System 2018 aerial image of the site. This aerial photograph was taken shortly after it rained. Standing water can be seen in several locations on this site. This could be due to recent rainfall, or these areas could be wetland areas.



Texas Natural Resources Information System 2018 infrared aerial image of the site. The darker signatures are potential wetland area. Bright reds are probable uplands.



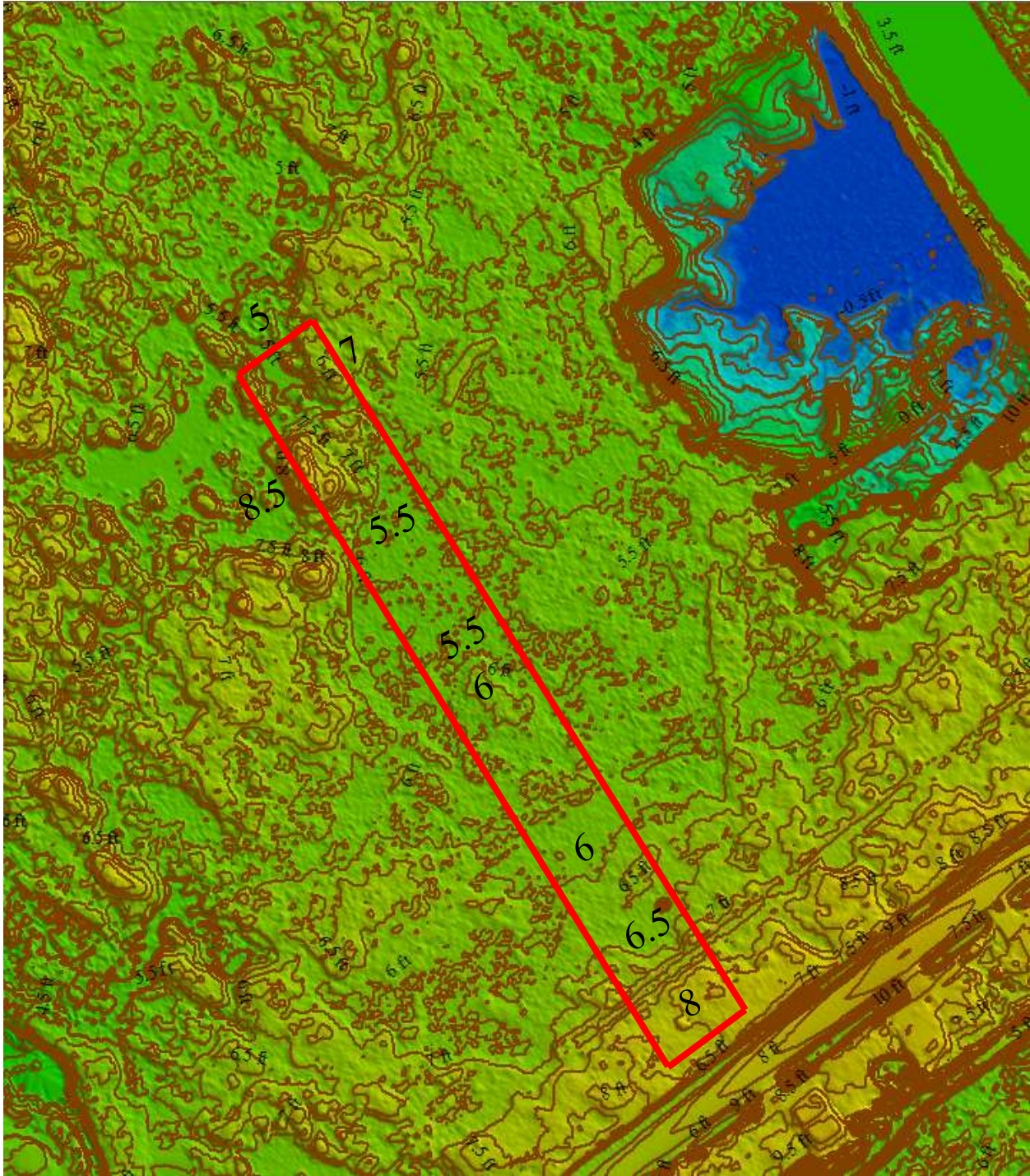
Texas Natural Resources Information System 2020 aerial image of the site. This aerial image does not show the potential wetlands seen in the 2018 aerial image.



Texas Natural Resources Information System 2020 infrared aerial image of the site. This infrared image is inconclusive since the site appears to lack recent rainfall.



The site consists of two soil types. Mt Mustang-Nass complex, 0 to 1 percent slopes, occasionally flooded, occasionally ponded, and Gc Galveston-Nass occasionally ponded complex, 0 to 4 percent slopes, occasionally flooded.



Texas Natural Resources Information System 2018 Upper Coast Lidar. The North property line is at elevation 5 feet. There are two mounds, one at elevation 7 feet and the other at elevation 8.5 feet. South of those mounds the elevation is 5.5 feet. The land gradually increases in elevation to 6.5 feet (North of the South property line). The elevation near FM 3005 is 8 feet.

Summary:

It was difficult to accurately show the property lines since there are no references (i.e. fences).

The northern half of the site may contain wetlands. A site visit will be necessary assess this area.

There is one NWI Mapped Wetland area at the North property line. However, images reviewed indicate wetlands may exist farther South on the site. A site visit will be necessary to determine the extent these potential wetlands.

Images from the Texas Natural Resources Information System for the year 2018 were taken following rainfall and outline potential wetland areas on the site. Images from 2020 are inconclusive since it appears the area had not received rainfall recently.

There are two soil types on the site:

The site consists of two soil types. Mt Mustang-Nass complex, 0 to 1 percent slopes, occasionally flooded, occasionally ponded, and Gc Galveston-Nass occasionally ponded complex, 0 to 4 percent slopes, occasionally flooded. Both are listed as a fine sandy soil to a depth of 60-70 inches. This would indicate this soil drains fairly quickly and is not conducive to wetland formation.

Upper Coast LIDAR elevations indicate the site varies from elevation 5 feet to elevation 8 feet. It is uneven and contains mounds of sand. The areas between elevation 5 and 6.5 need to be investigated for wetlands.

Moving Forward:

- 1) Schedule a site visit to determine the facts on the ground.
- 2) A & M Wetland Consulting Services, LLC will prepare a proposal to prepare and submit a request for an Approved Jurisdictional Determination.
- 3) Upon approval of the proposal, A & M Wetland Consulting Services, LLC will prepare a request for an Approved Jurisdictional Determination, and submit to the USACE for processing.

Thank you,
Andy R. Bouse & Michael J. Christley, P.E.
A & M Wetland Consulting Services, LLC
502 Vivit
Angleton, Texas 77515