

FIELD NOTE DESCRIPTION

Being the line of Mean High Water of the East Bay of Galveston Bay along a portion of the Daniel Craft Survey, Abstract Number 70, Chambers County, Texas and being a portion of the northerly boundary of East Bay of Galveston Bay Submerged Tract 150. The meander line of said Mean High Water being more particularly described as follows (bearings and coordinates shown hereon are grid values referenced to the Texas Coordinate System of 1983, South Central Zone and NGS Monuments "HGCS 50" and "HGCS 49". Distances shown are surface distances and may be converted to grid distances by multiplying by a scale factor of 0.999873167):

COMMENCING at NGS Monument "HGCS 50" having grid coordinates of N=13,794,094.44 feet (4,965,874.998 varas) and E=3,238,564.99 feet (1,165,883.396 varas) from which NGS Monument "HGCS 49" bears North 82°42'48" West, 35,215.01 feet (12,677.405 varas);

THENCE, South 71°08'58" East, a distance of 90,749.29 feet (32,669.743 varas) to a point on the line of Mean High Water of the East Bay of Galveston Bay, on the southerly line of said Daniel Craft Survey, and for the POINT OF BEGINNING and westerly end of said meander line having grid coordinates of N=13,764,777.07 feet (4,955,319.745 varas) and E=3,324,436.03 feet (1,196,796.971 varas);

THENCE, in a generally easterly direction, along said meander line of Mean High Water of the East Bay of Galveston Bay and the southerly line of said Daniel Craft Survey the following thirty (30) courses:

- L1. N 60°33'27" E, a distance of 31.00 feet (11.161 varas) to a point;
- L2. N 83°22'28" E, a distance of 32.22 feet (11.599 varas) to a point;
- L3. S 74°12'21" E, a distance of 11.87 feet (4.272 varas) to a point;
- L4. S 71°56'45" E, a distance of 14.87 feet (5.354 varas) to a point;
- L5. N 36°14'43" E, a distance of 40.42 feet (14.552 varas) to a point;
- L6. N 33°10'52" E, a distance of 21.06 feet (7.582 varas) to a point;
- L7. N 42°18'02" E, a distance of 17.52 feet (6.306 varas) to a point;
- L8. S 84°59'59" E, a distance of 7.29 feet (2.623 varas) to a point;
- L9. N 48°07'53" E, a distance of 3.16 feet (1.136 varas) to a point;
- L10. N 22°03'20" E, a distance of 2.06 feet (0.740 varas) to a point;
- L11. S 62°37'44" E, a distance of 2.62 feet (0.944 varas) to a point;
- L12. N 70°52'39" E, a distance of 2.57 feet (0.924 varas) to a point;
- L13. N 01°17'41" E, a distance of 2.04 feet (0.734 varas) to a point;
- L14. N 05°36'46" W, a distance of 32.26 feet (11.613 varas) to a point;
- L15. N 08°49'55" E, a distance of 30.36 feet (10.931 varas) to a point;
- L16. N 45°34'37" E, a distance of 11.69 feet (4.210 varas) to a point;
- L17. N 38°10'15" E, a distance of 26.00 feet (9.360 varas) to a point;
- L18. N 67°44'15" E, a distance of 26.00 feet (9.360 varas) to a point;
- L19. N 69°16'12" E, a distance of 31.67 feet (11.401 varas) to a point;
- L20. N 79°46'39" E, a distance of 12.58 feet (4.529 varas) to a point;
- L21. S 64°07'17" E, a distance of 26.86 feet (9.670 varas) to a point;
- L22. S 47°29'34" E, a distance of 21.57 feet (7.765 varas) to a point;
- L23. S 27°13'24" E, a distance of 23.75 feet (8.551 varas) to a point;
- L24. S 71°46'59" E, a distance of 3.99 feet (1.435 varas) to a point;
- L25. S 06°36'47" W, a distance of 3.91 feet (1.407 varas) to a point;
- L26. S 24°17'21" W, a distance of 2.88 feet (1.035 varas) to a point;
- L27. S 53°15'16" E, a distance of 8.57 feet (3.084 varas) to a point;
- L28. N 67°55'41" E, a distance of 4.57 feet (1.644 varas) to a point;
- L29. N 61°09'49" E, a distance of 4.59 feet (1.653 varas) to a point;
- L30. N 72°09'37" E, a distance of 21.78 feet (7.840 varas) to the end of said meander line, having grid coordinates of N=13,764,920.75 feet (4,955,371.470 varas) and E=3,324,763.87 feet (1,196,914.993 varas), from which NGS Monument "HGCS 50" bears North 71°08'06" East 91,013.48 feet (32,764.852 varas).

NOTICE:

This survey was performed in accordance with Section 33.136, Natural Resources Code, for the purpose of evidencing the location of the shoreline in the area depicted in this survey as that shoreline existed before commencement of erosion response activity, as required by Chapter 33, Natural Resources Code. The line depicted on this survey fixes the shoreline for the purpose of locating a shoreline boundary, subject to movement landward as provided by Section 33.136, Natural Resources Code.

NOTES:

- 1) All coordinates and bearings shown hereon are grid values referenced to the Texas Coordinate System of 1983, South Central Zone and NGS Monuments "HGCS 49" and "HGCS 50". All distances shown hereon are surface distances unless noted and may be converted to grid distances by multiplying by a scale factor of 0.999873167. Mapping angle for this project is 02°05'24". Elevations were established through GPS static observations referenced to NAVD '88, Geoid12A datum.
- 2) Elevation of Mean High Water was determined by comparison of an on-site tide gauge and the Eagle Point Tide Gauge. Elevation of Mean High Water at this site was determined to be 0.77' NAVD '88, Geoid12A datum.
- 3) This is an Erosion Control Project with possible slope protection, bulkheading and/or breakwater construction.

I, William E. Merten, Licensed State Land Surveyor in and for the State of Texas, do hereby certify that on March 14, 2014, I have located the natural contour line of Mean High Water in accordance with methodology approved by the General Land Office, on the ground, according to law, in accordance with Natural Resources Code Section 21.042 and with the personnel stated, and that said contour line is true and correct as shown hereon. To the best of my knowledge no artificial fill, any development or placement of retaining walls, other than as shown hereon, that would cause alteration to said contour line has occurred within the area surveyed.

This survey has been filed for record and duly recorded the 30th day of June 2014, in Book 95098 Page \_\_\_\_\_, of the County Surveyors Records, Chambers County, Texas. CLERKS FILE NO.

Field Personnel:  
Hediberto Zavala, Mario Marin, Bobby Lister

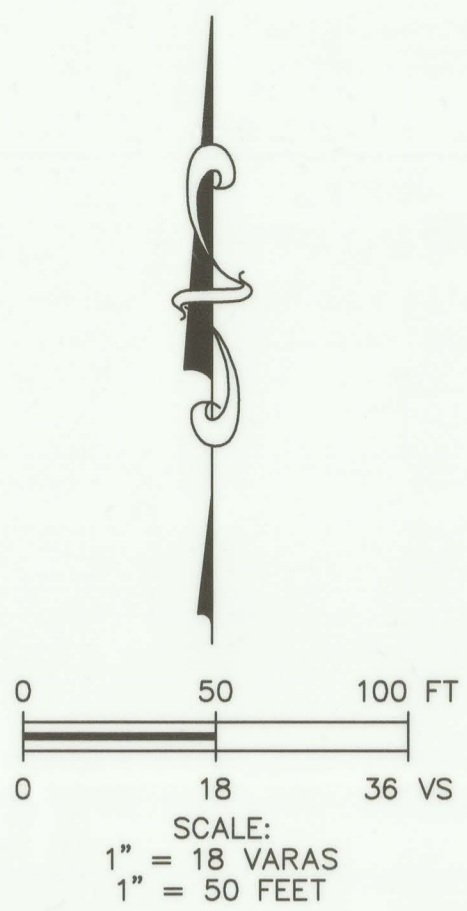
William E. Merten  
Licensed State Land Surveyor



STATE OF TEXAS  
COUNTY OF CHAMBERS }  
I, HEATHER H. HAWTHORNE, hereby certify that this instrument was filed on the date and at the time stamped hereon by me; and was duly recorded, in the Volume and Page of the named RECORDS of Chambers County, Texas, as stamped hereon by me, on  
*June 30, 2014*  
COUNTY CLERK  
CHAMBERS COUNTY, TEXAS

GLO PERMIT NO. SL20140019

FOR GENERAL LAND OFFICE USE ONLY

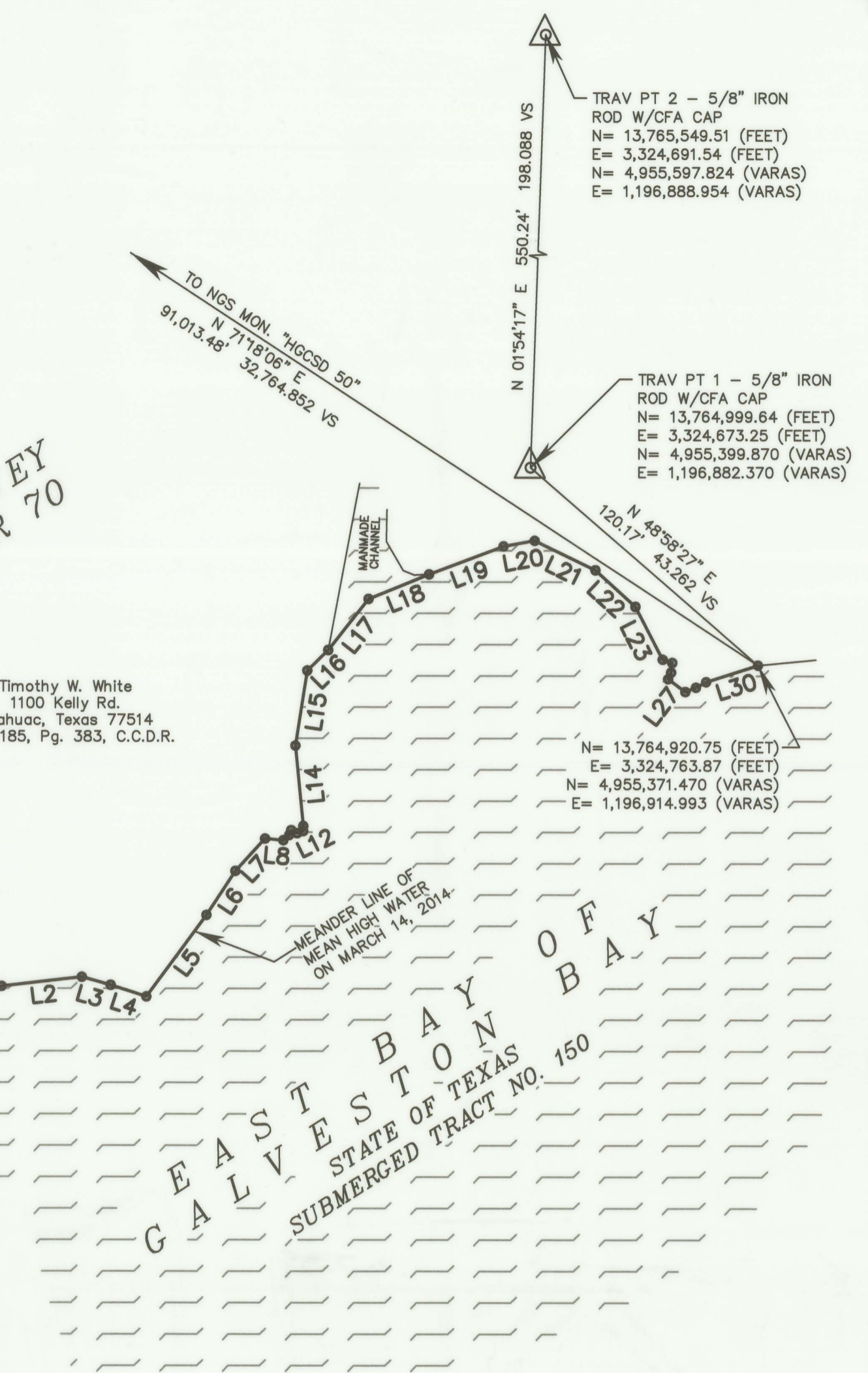


TEXAS GENERAL LAND OFFICE  
Art. 33.136, Natural Resources Code  
Chambers Co. Sketch No. 8  
File Date 06/10/2014 by R. Kertje

DANIEL CRAFT SURVEY  
ABSTRACT NUMBER 70  
LIBERTY 8-366

Timothy W. White  
1100 Kelly Rd.  
Anahuac, Texas 77514  
Vol. 1185, Pg. 383, C.C.D.R.

LINE	BEARING	DISTANCE FEET	DISTANCE VARAS
L1	N 60°33'27" E	31.00	11.161
L2	N 83°22'28" E	32.22	11.599
L3	S 74°12'21" E	11.87	4.272
L4	S 71°56'45" E	14.87	5.354
L5	N 36°14'43" E	40.42	14.552
L6	N 33°10'52" E	21.06	7.582
L7	N 42°18'02" E	17.52	6.306
L8	S 84°59'59" E	7.29	2.623
L9	N 48°07'53" E	3.16	1.136
L10	N 22°03'20" E	2.06	0.740
L11	S 62°37'44" E	2.62	0.944
L12	N 70°52'39" E	2.57	0.924
L13	N 01°17'41" E	2.04	0.734
L14	N 05°36'46" W	32.26	11.613
L15	N 08°49'55" E	30.36	10.931
L16	N 45°34'37" E	11.69	4.210
L17	N 38°10'15" E	26.00	9.360
L18	N 67°44'15" E	26.00	9.360
L19	N 69°16'12" E	31.67	11.401
L20	N 79°46'39" E	12.58	4.529
L21	S 64°07'17" E	26.86	9.670
L22	S 47°29'34" E	21.57	7.765
L23	S 27°13'24" E	23.75	8.551
L24	S 71°46'59" E	3.99	1.435
L25	S 06°36'47" W	3.91	1.407
L26	S 24°17'21" W	2.88	1.035
L27	S 53°15'16" E	8.57	3.084
L28	N 67°55'41" E	4.57	1.644
L29	N 61°09'49" E	4.59	1.653
L30	N 72°09'37" E	21.78	7.840



A COASTAL BOUNDARY SURVEY OF  
THE EAST BAY OF GALVESTON BAY  
ADJACENT TO  
THE DANIEL CRAFT SURVEY  
ABSTRACT NUMBER 70  
CHAMBERS COUNTY, TEXAS

**CobbFendley**

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CFA JOB# 1402-008-01 FB NO. 2567 DATE: 03/20/2014  
SCALE: 1" = 50' (18 VARAS) SHEET 1 OF 1



**Surveying Division  
Coastal Boundary Survey Approval**

**Project:** East Bay – Kelly Road Shoreline Protection

**Project No:** SL20140019 GLO

**Project Manager:** Mollie Powell (TGLO Regional Director, Upper Coast)

**Surveyor:** William E. Merten, Licensed State Land Surveyor

**Description:** A Coastal Boundary Survey on the northerly shore of East Bay of Galveston Bay, dated March 14, 2014, by William E. Merten, Licensed State Land Surveyor, in support of a shoreline protection and marsh habitat creation project, proposed under Texas General Land Office lease SL20140019. The survey delineates a portion of the littoral boundary of the Daniel Craft Survey, Abstract 70, along the line of Mean High Water, same line being on the northerly boundary of State of Texas, East Bay, Submerged Land Tract 150. The site is situated at the southern terminus of Kelley Road on said East Bay, east of Smith Point at approximate coordinates N 29° 31' 47", W 94° 44' 02", WGS84. A copy of the survey is recorded in Book 4, at Page 201, of the County Surveyor's Record and as Chambers County Clerk's File No. 95098.

A Coastal Boundary Survey for the above-referenced project has been reviewed and accepted; upon completion of public notice requirements, the survey will be filed in the Texas General Land Office, Archives and Records, in accordance with provisions of the *Texas Natural Resources Code*, Chapter 33.136.

Approved:

Signed: David A. Pyle  
Surveying Division

July 8, 2014  
Date

Approval Filed as:

*Tex. Nat. Res. Code* Article 33.136, Chambers County, Sketch No. 8

TEXAS GENERAL LAND OFFICE  
Art. 33.136, Natural Resources Code  
Co. Chambers, Sketch No. 8  
File Date 06/20/2018 by R. Kertye

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