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TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Orange, Report No. 2
File Date Feb 3, 2012 by DJH

367200



FIELD NOTES

Coastal boundary survey performed on the line of mean high water along a portion of the John Forsyth Survey, Abstract 79, and Old River Cove (Sabine Lake) in Orange County, Texas.

All bearings, distances, and coordinates are grid and are referenced to the Texas Plane Coordinate System, Central Zone, NAD83, U. S. survey feet. Monument LUB0520D, DL4467 has been utilized. The mapping angle at the 8" concrete filled pipe found is +3°20'23" and the combined scale factor is 1.000040319.

Beginning at a point on the shoreline that has a State Plane Coordinate Value of N:10019901.07 and E:4346118.03 U. S. survey feet. THENCE with the line of mean high water the following bearings and distances:

LINE	BEARING	DISTANCE	
L1	S 69°15'49" E	64.45'	23.20 varas
L2	N 82°32'01" E	128.90'	46.40 varas
L3	S 89°28'09" E	165.16'	59.46 varas
L4	N 72°09'36" E	128.05'	46.10 varas
L5	N 72°50'10" E	96.30'	34.67 varas
L6	N 70°56'18" E	156.47'	56.33 varas
L7	S 81°38'50" E	78.68'	28.32 varas
L8	S 81°17'45" E	143.99'	51.84 varas
L9	S 64°08'44" E	133.64'	48.11 varas
L10	N 81°58'00" E	40.50'	14.58 varas
L11	S 64°25'03" E	117.76'	42.39 varas

L12	N 89°07'27" E	72.59'	26.13 varas
L13	N 46°21'30" E	63.13'	22.73 varas
L14	N 38°20'59" E	78.46'	28.25 varas
L15	N 66°19'28" E	95.45'	34.36 varas
L16	S 71°26'43" E	74.95'	26.98 varas
L17	S 36°51'28" E	39.98'	14.39 varas

to the right bank (mouth) of a canal.
THENCE S42°21'26"E 80.44 feet or 28.96 varas to the left bank of the said canal returning to the line of mean high water along Old River Cove at a point which has a coordinate value of N:10019904.72 and E:4347723.39. THENCE continuing with the line of mean high water along Old River Cove the following bearings and distances:

L18	S 47°38'46" E	32.22'	11.60 varas
L19	S 86°21'20" E	108.55'	39.08 varas
L20	S 80°36'08" E	67.92'	24.45 varas
L21	S 64°12'53" E	111.94'	40.30 varas
L22	S 24°22'09" W	39.07'	14.07 varas
L23	S 76°04'51" E	78.00'	28.08 varas
L24	N 81°34'23" E	56.46'	20.33 varas
L25	N 57°04'41" E	27.54'	9.91 varas

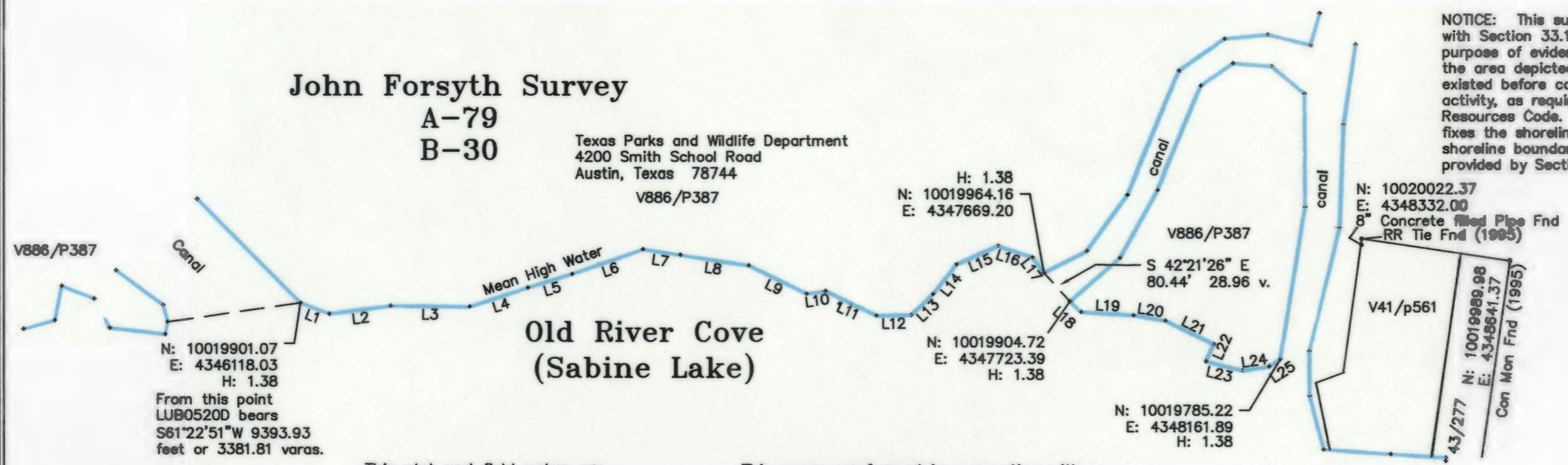
to the end point of this project area.

Field Personnel:
Nedra J. Foster
Alvin Lassiter

Coastal Boundary Survey of a Portion
of
Old River Cove
in
Orange County, Texas

I, Nedra J. Foster, Licensed State Land Surveyor, do hereby certify that the line of mean high water shown hereon was correctly surveyed by me on the ground and according to law on March 10, 2011. (In accordance with Texas Natural Resources Code Sec. 21.042 and in accordance with methodology for the project approved by the surveying Division of the GLO). Points on Old River Cove are on the line of mean high water and lines connecting are meander lines. To the best of my knowledge no fill or buildup is located within the area surveyed nor are there retaining walls existing in the project area. Given under my hand and seal this 21st day of March 2011.

Nedra J. Foster
Nedra J. Foster
L. S. L. S.

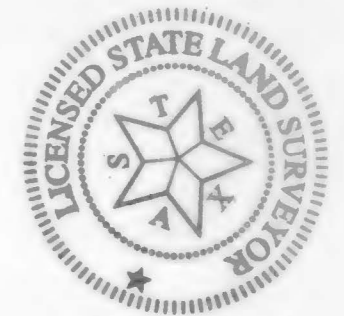


NOTICE: This survey was performed in accordance with Section 33.136, Natural Resources Code, for the purpose of evidencing the location of the shoreline in the area depicted in this survey as that shoreline existed before commencement of erosion response activity, as required by Chapter 33, Natural Resources 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.

Shine & Associates, Inc.
P. O. Box 305
Silsbee, Texas 77656
409-385-9383

This plat and field notes are recorded in Orange County Public Records at V 367200 P _____ on 4/11/11

This survey performed in connection with Lower Neches Wildlife Management Area - Old River Cove Rock Breakwater. Ducks Unlimited Project No. US-DU-TX-50-03. General Land Office Project No. SL20110020.





**Surveying Division
Coastal Boundary Survey Approval**

Project: Ducks Unlimited / "Lower Neches Wildlife Management Area - Old River Cove Rock Breakwater"

Project No: SL 20110020 (Texas General Land Office)
US-DU-TX-50-03, Ducks Unlimited

Project Manager: Jeffrey Davis, TGLO Regional Director, Upper Coast

Surveyor: Nedra J. Foster, Licensed State Land Surveyor

Description: Coastal Boundary Survey, ^{Supplemental} dated March ~~21~~¹⁰, 2011, conducted by Nedra J. Foster, Licensed State Land Surveyor. Survey depicts the littoral boundary line of the John Forsyth Survey, Abstract 79, along the northerly shore of Old River Cove (Sabine Lake), same being a portion of the southerly boundary of the Lower Neches Wildlife Management Area. Boundary begins at a point, 0.8 miles easterly from the center of State Highway(s) 73/87, on the east side of the mouth of an existing canal and extends eastward approximately 2000 feet.

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
Survey Division

April 8, 2011
Date

Approval Filed as:

sketch
Tex. Nat. Res. Code Article 33.136, Orange County Report No. 2

TEXAS GENERAL LAND OFFICE
Art 33.136. Natural Resources Code
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File Date Feb. 3, 2012 by DJF
See Sketch 2

Shine & Associates, Inc.

LAND BOUNDARY SURVEYORS
D. D. SHINE, RPLS, LSLs
NEDRA J. FOSTER, RPLS, LSLs

April 7, 2011

Mr. David Pyle
General Land Office
1700 N. Congress
Austin, Texas 78701

Re: General Land Office Project No. SL20110020
Coastal Boundary Survey under TNRC 33.136

Dear David:

Enclosed is the survey plat for filing in connection with the above referenced project. This was filed in Orange County Public Records on April 7, 2011 with a file number of 367200.

Please call if there is anything else needed for this project. Thanks for your help.

Respectfully submitted,



Nedra J. Foster

Cc: Mr. Jason A. Vickery, P.E.
Ducks Unlimited, Inc.
915 Front Street
Richmond, Texas 77469
Ducks Unlimited Project # US-DU-TX-50-03

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code

Co. Orange, Report No. 2

File Date Feb 3, 2012 by DJF

Office

Project

3 February 2012

INPUT

State Plane, NAD83
4203 - Texas Central, U.S. Feet

OUTPUT

State Plane, NAD27
4203 - Texas Central, U.S. Feet

Accuracies of conversions from NAD 83 to NAD 27 are typically 12 to 18 cm.

1

1/2

Northing/Y: 10019901.07

Easting/X: 4346118.03

Northing/Y: 177323.825

Easting/X: 4049634.234

366

Convergence: 3 20 10.26271

Scale Factor: 1.000036125

Convergence: 3 20 10.57795

Scale Factor: 1.000036170

Grid Shift (U.S. ft.): X/Easting = -296483.8, Y/Northing = -9842577.2

Datum Shift (m.): Delta Lat. = -23.601, Delta Lon = -16.401

2

2/2

Northing/Y: 10019785.22

Easting/X: 4348161.89

Northing/Y: 177207.989

Easting/X: 4051678.066

Convergence: 3 20 22.17310

Scale Factor: 1.000036322

Convergence: 3 20 22.48791

Scale Factor: 1.000036367

Grid Shift (U.S. ft.): X/Easting = -296483.8, Y/Northing = -9842577.2

Datum Shift (m.): Delta Lat. = -23.600, Delta Lon = -16.379

Remark: