

INE NO.	BEARING	DISTANCE	VARAS
L-1	N17°46'17"W	51.07'	18.385 vs.
L-2	N06°40'38"W	65.84'	23.702 vs.
L-3	N21%°28'05"E	18.99'	6.836 vs.
L-4	N73°20'39"W	8.85'	3.186 vs.
L-5	N61D13'39"W	7.91'	2.848 vs.
L-6	N30°43'50"W	11.63'	4.187 vs.
L-7	N02°55'44"W	24.72'	8.899 vs.
L-8	N10°24'07"E	23.48'	8.453 vs.
L-9	N29°07'19"W	20.09'	7.232 vs.
L-10	N00°42'10"W	66.29'	23.864 vs.
L-11	N06°12'21"E	41,49'	14.936 vs.
L-12	N34°33'26"E	29.54'	10.634 vs.
L-13	N42°21'59"E	25.56'	9.202 vs.
L-14	N40°41'42"E	5.38'	1.937 vs.
L-15	N41°18'00"W	7.65'	2.754 vs.
L-16	N50°56'01"W	9.00'	3.240 vs.
L-17	N62°36'15"W	10.15'	3.654 vs.
L-18	N03°18'18"E	16.20'	5.832 vs.
L-10	N51°26'07"W	18.83'	6.779 vs.
L-19 L-20	N23°41'03"W	26.61'	9.580 vs.
L-20	N18°20'37"W	25.56'	9.300 vs.
L-21	N07°22'48"E	14.55'	5.238 vs.
L-22 L-23	N15°05'08"W	31.88'	5.238 vs.
L-20	N00°50'33"W	47.14'	16.970 vs.
L-24	N10°42'44"e	34.76'	
L-25	N03°12'44"W	34.70	12.514 vs.
L-20			14.026 vs.
L-27	N16°08'03"E	51.64'	18.590 vs.
L-20 L-29	N32°46'18"E	57.63'	20.747 vs.
	N07°59'19"E	18.37'	6.613 vs.
L-30	N31°59'57"E	52.92'	19.051 vs.
L-31	N32°02'50"E	28.39'	10.220 vs.
L-32 L-33	N52°27'20"E	12.45'	4.482 vs.
L-33 L-34	N17°53'54"E	9.01'	3.244 vs.
L-34	N74°59'26"W	9.55'	3.438 vs.
L-35	S76°21'26"W	25.88'	9.317 vs.
L-30 L-37	S69°37'45"W	23.52'	8.467 vs.
L-37	N33°55'14"W	15.81'	5.692 vs.
L-30 L-39	N17°52'10"E	12.76'	4.594 vs.
L-40	N10°20'45"W	27.07'	9.745 vs.
L-41		43.53'	15.671 vs.
L-41 L-42	N16°23'30"W	83.94'	30.218 vs.
L-42 L-43	N25°55'09"W	37.69'	13.568 vs.
L-43	N30°50'54"E	98.45'	35.442 vs.
	S10°49'00"E	17.41'	6.268 vs.
L-45	N83°34'27"E	13.65'	4.914 vs.
L-46	N46°36'31"E	23.50'	8.460 vs.
L-47	N65°36'41"E	37.40'	13.464 vs.
L-48	S68°29'49"E	30.68'	11.045 vs.
L-49	S76°16'04"E	37.63'	13.547 vs.
L-50	S70°31'16"E	37.37'	13.453 vs.
L-51	N34°12'08"E	21.82'	7.855 vs.
L-52	N48°26'22"E	35.10'	12.636 vs.
L-53	N32°36'02"E	58.44'	21.038 vs.
L-54	N58°06'41"W	45.18'	16.265 vs.
L-55	N31°45'41"W	41.63'	14.987 vs.
L-56	N03°03'02"W	53.22'	19.159 vs.
L-57	N08°48'46"W	51.93'	18.695 vs.
L-58	N17°52'28"E	57.84'	20.822 vs.
L-59	N27°26'52"E	57.25'	20.610 vs.
L-60	N39°55'06"E	57.41'	20.668 vs.
L-61	N37°20'05"E	55.95'	20.142 vs.
L-62	A REAL PROPERTY AND A REAL		of the Automatical Statistics in the second s

FIELD NOTES

FIELD NOTES for a portion of the littoral boundary along the shoreline of St. Charles Bay, Same Being a portion of the Easterly Boundary Line of the the William Lewis Survey, A-96, Aransas County (formerly Refugio County, Texas), and Same Being the Westerly boundary line of St. Charles Bay State Submerged Land Tract 384, Aransas County, Texas, this boundary being more particularly described as follows:

BEGINNING at grid coordinates North (Y) = 13,244786.36 feet (4,768,123.09 varas), East (X) = 2,621,503.53 feet (943,741.27 varas), Texas Coordinate System, South Central Zone, North American Datum of 1983, a point being on the Mean Higher High Water of said St. Charles Bay, at contour elevation 0.99 feet, North American Vertical Datum of 1988, from which a 5/8" steel rebar set for control bears North 17°42'33" West, a grid distance of 101.46 feet (36.53 varas) and from which National Geodetic Survey monument "LAMAR RESET" bears South 44°03'32" West a grid distance of 8,523.44 feet (3,068.44 vs).

THENCE, along and with the Mean Higher High Water of St. Charles Bay, the following courses and distances:

	and distances;
	THENCE, North 17°46'17" West, a grid distance of 51.07 feet (18.385 varas) to a point;
	THENCE, North 06°40'38" West, a grid distance of 65.84 feet (23.702 varas) to a point;
	THENCE, North 21°28'05" East, a grid distance of 18.99 feet (6.836 varas) to a point
	THENCE, North 73°20'39" West, a grid distance of 8.85 feet (3.186 varas) to a point;
	THENCE, North 61°13'39" West, a grid distance of 7.91 feet (2.848 varas) to a point;
	THENCE, North 30°43'50" West, a grid distance of 11.63 feet (4.187 varas) to a point
	THENCE, North 02°55'44" West, a grid distance of 24.72 feet (8.899 varas) to a point;
	THENCE, North 10°24'07" East, a grid distance of 23.48 feet (8.453 varas) to a point;
	THENCE, North 29°07'19" West, a grid distance of 20.09 feet (7.232 varas) to a point
	THENCE, North 00°42'10" West, a grid distance of 66.29 feet (23.864 varas) to a point;
	THENCE, North 06°12'21" East, a grid distance of 41.49 feet (14.936 varas) to a point;
	THENCE, North 34°33'26" East, a grid distance of 29.54 feet (10.634 varas) to a point
	THENCE, North 42°21'59" East, a grid distance of 25.56 feet (9.202 varas) to a point;
	THENCE, North 40°41'42" East, a grid distance of 5.38 feet (1.937 varas) to a point;
	THENCE, North 41°18'00" West, a grid distance of 7.65 feet (2.754 varas) to a point
	THENCE, North 50°56'01" West, a grid distance of 9.00 feet (3.240 varas) to a point;
	THENCE, North 62°36'15" West, a grid distance of 10.15 feet (3.654 varas) to a point;
2	THENCE, North 03°18'18" East, a grid distance of 16.20 feet (5.832 varas) to a point
	THENCE, North 51°26'07" West, a grid distance of 18.83 feet (6.779 varas) to a point;
	THENCE, North 23°41'03" West, a grid distance of 26.61 feet (9.580 varas) to a point;
	THENCE, North 18°20'37" West, a grid distance of 25.56 feet (9.202 varas) to a point
	THENCE, North 07°22'48" East, a grid distance of 14.55 feet (5.238 varas) to a point;
	THENCE, North 15°05'08" West, a grid distance of 31.88 feet (11.477 varas) to a point;
	THENCE, North 00°50'33" West, a grid distance of 47.14 feet (16.970 varas) to a point
	THENCE, North 10°42'44" East, a grid distance of 34.76 feet (12.514 varas) to a point;
	THENCE, North 03°12'44" West, a grid distance of 38.96 feet (14.026 varas) to a point;
	THENCE, North 16°08'03" East, a grid distance of 51.64 feet (18.590 varas) to a point THENCE, North 32°46'18" East, a grid distance of 57.63 feet (20.747 varas) to a point;
	THENCE, North 07°59'19" East, a grid distance of 18.37 feet (6.613 varas) to a point;
	THENCE, North 31°59'57" East, a grid distance of 52.92 feet (19.051 varas) to a point,
	THENCE, North 32°02'50" East, a grid distance of 28.39 feet (10.220 varas) to a point;
	THENCE, North 52°27'20" East, a grid distance of 12.45 feet (4.482 varas) to a point;
	THENCE, North 17°53'54" East, a grid distance of 9.01 feet (3.244 varas) to a point
	THENCE, North 74°59'26" West, a grid distance of 9.55 feet (3.438 varas) to a point;
	THENCE, South 76°21'26" West, a grid distance of 25.88 feet (9.317 varas) to a point;
	THENCE, South 69°37'45" West, a grid distance of 23.52 feet (8.467 varas) to a point
	THENCE, North 75°25'37" West, a grid distance of 15.81 feet (5.692 varas) to a point;
	THENCE, North 33°55'14" West, a grid distance of 12.76 feet (4.594 varas) to a point;
	THENCE, North 17°52'10" East, a grid distance of 27.07 feet (9.745 varas) to a point
	THENCE, North 10°20'45" West, a grid distance of 43.53 feet (15.671 varas) to a point;
	THENCE, North 16°23'30" West, a grid distance of 83.94 feet (30.218 varas) to a point;
	THENCE, North 25°55'09" West, a grid distance of 37.69 feet (13.568 varas) to a point
	THENCE, North 30°50'54" East, a grid distance of 98.45 feet (35.442 varas) to a point;
	THENCE, South 10°49'00" East, a grid distance of 17.41 feet (6.268 varas) to a point;
	THENCE, North 83°34'27" East, a grid distance of 13.65 feet (4.914 varas) to a point
	THENCE, North 46°36'31" East, a grid distance of 23.50 feet (8.460 varas) to a point;
	THENCE, North 65°36'41" East, a grid distance of 37.40 feet (13.464 varas) to a point;
	THENCE, South 68°29'49" East, a grid distance of 30.68 feet (11.045 varas) to a point
	THENCE, South 76°16'04" East, a grid distance of 37.63 feet (13.547 varas) to a point; THENCE, South 70°31'16" East, a grid distance of 37.37 feet (13.453 varas) to a point;
	THENCE, Soduri 70 ST 16 East, a grid distance of 37.37 feet (13.455 varas) to a point, THENCE, North 34°12'08" East, a grid distance of 21.82 feet (7.855 varas) to a point
	THENCE, North 48°26'22" East, a grid distance of 35.10 feet (12.636 varas) to a point;
	THENCE, North 32°36'02" East, a grid distance of 58.44 feet (21.038 varas) to a point;
	THENCE, North 58°06'41" West, a grid distance of 45.18 feet (16.265 varas) to a point,
	THENCE, North 31°45'41" West, a grid distance of 41.63 feet (14.987 varas) to a point;
	THENCE, North 03°03'02" West, a grid distance of 53.22 feet (19.159 varas) to a point;
	THENCE, North 08°48'46" West, a grid distance of 51.93 feet (18.695 varas) to a point
	THENCE, North 17°52'28" East, a grid distance of 57.84 feet (20.822 varas) to a point;
	THENCE, North 27°26'52" East, a grid distance of 57.25 feet (20.610 varas) to a point;
	THENCE, North 39°55'06" East, a grid distance of 57.41 feet (20.668 varas) to a point
	THENCE, North 37°20'05" East, a grid distance of 55.95 feet (20.142 varas) to a point;
	THENCE, North 44°05'30" East, a grid distance of 64.49 feet (23.216 varas) to a point;
	THENCE, North 51°38'02" East, a grid distance of 19.77 feet (7.117 varas) to a point
	at grid coordinates North (Y) = 13,246,376.03 feet (4,768,695.37 varas), East (X) =
	2,621,826.48 feet (943,857.53 varas) for the terminus of this line, from which point said
	NGS Station "LAMAR RESET" bears South 39°00'45" West, a grid distance of 9,928.89
	feet (3,574.40 vs).

COASTAL BOUNDARY SURVEY

LAMAR PENINSULA, ARANSAS COUNTY, TEXAS **BIG TREE - TEXAS PARKS & WILDLIFE DEPARTMENT** ST. CHARLES BAY Being the Littoral Boundary Along the shoreline of St. Charles Bay, Same Being a Portion of the Easterly Boundary Line of the William Lewis Survey, A-96, and Same Being the Westerly Boundary Line of St. Charles Bay, Submerged Land Tract 384, Aransas County, Texas.

300 FEET



The Party of the P **GRAPHIC SCALE**

100

200

100

0



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.

I, J.L. Brundrett, Jr., Registered Professional Land Surveyor and Duly Elected County Surveyor of Aransas County, Texas, and for the State of Texas, hereby certify that the foregoing map represents a survey of the littoral boundary, made in the field accoding to law, by me and/or under my direct control and supervision, with the field personnel stated, utilizing methodology approved by the Surveying Division of the Texas General Land Office; that, except as shown hereon, there are no areas of artificial fill or build-up, within the limits of this survey; that except as shown hereon, there are no retaining walls, bulkheads or other structures along or immediately landward of the subject boundary and that this map is correct and in accordance with Chapter 21 of the Texas Natural Resources Code.

Surveyed March 27, 2017

Aransas County Surveyor Registered Professional Land Surveyor #2133 Survey Personnel: J.L. Brundrett, Jr. **Thomas Hattenbach** Alex Garcia, Jr.

U. Brundre

State of Texas County of Aransas

Arahsas County Surveyor

FILING NOTICE:

This "Coastal Boundary Survey" is being filed in the Plat Records of Aransas County, Texas, as a public record as required by Section 33.136, Natural Resources Code.

COUNTY CLERK CERTIFICATION:

I, Valerie K, Amason, Clerk of the County Court in and

for Aransas County, Texas, do hereby certify that the foregoing instrument of writing dated the <u>27</u> day of <u>March</u>, A.D., 2

its certificate of authentication was filed for record in my office the 11⁴⁰ day of <u>May</u> A.D., 2018 at <u>2:28</u> o'clock <u>P</u>. m. and duly

A.D., 2016, at 2:28 o'clock P⁰.m. in the Plat

recorded the 11th day of MOn

_, A.D., 2017, with

GENERAL NOTES

- 1.) Bearings and coordinates, shown hereon, are grid, based on the Texas Coordinate System, South Central Zone (4205), North American Datum of 1983.
- 2.) Coordinates are derived from GPS observations as provided by the Trimble Western Data Network, and shown hereon in U.S. Survey feet, with corresponding values in varas shown in parenthesis.
- 3.) Horizontal survey control is referenced to NGS Monument, LAMAR RESET. PID - AN2319, with coordinates N(Y) = 13,238,661.19 (4,765,919.36 v) E(X) = 2,615,576.36 (941,607.75 v), using a Trimble R-10 Receiver working within the Trimble - Western Data Network, and shown hereon in U.S. Survey feet, with corresponding values in varas shown in parenthesis.
- 4.) The convergence angle at LAMAR RESET is 00°59'00.8".
- 5.) The combined scale factor at LAMAR RESET is 1.00008371.
- 6.) Distances are grid, in U.S. survey feet, with corresponding vara values shown in parenthesis.
- 7.) To convert grid distances to surface, divide by a combined scale factor, for this project of 1.00008046.
- 8.) Vertical data was transferred via Real Time Kinematic GPS Measurements from a calibrated Vertical data file established from all known NGS and TXDOT vertical monuments in Aransas County, Texas.
- 9.) The project mapping angle is 00°59'00.8".
- 10.) The subject survey was conducted in support of a Living Shoreline Offshore Restoration Project at Goose Island State Park, by Texas A&M University - Corpus Christi, Harte Research Institute for Gulf of Mexico Studies, in Aransas County, Texas.

VOL 6 paporte

- 11.) Adjacent lots and streets are shown graphically for identification purposes only and are not specifically tied to the subject boundary.
- 12.) Set 5/8" Steel Rebar Control Rods, capped with "J.L. Brundrett, Jr., RPLS 2133."

Records of Aransas County, Texas, in Volume _____, Page 32 (gWitness my hand and seal of the County Court, in and for Aransas County, Texas, at office in Rockport, Texas, the day and year last written above.

alerie 0000361351 Clerk's File No



411 S. Pearl St., P.O. Box 2322 Rockport, Texas 78381

June 14, 2018

Mr. David Pyle, RPLS, LSLS Texas General Land Office Real Estate Services / Surveying Division Stephen F. Austin Bldg., Room 131B 1700 N. Congress Avenue Austin, Texas 78701-1495

Dear Mr. Pyle:

Please find enclosed Recorded Coastal Boundary Survey on Lamar Peninsula prepared for Permit Number SL20170026. If you have any questions, please feel free to contact our office.

Sincerely,

Jerald L. Brundrett, Jr., P.E., R.P.L.S.

TEXAS GENERAL LAND OFFICE TEXAS GENERAL LAND OFFICE AN. 30.136, Natural Resources Code An. 30.136, Natural Resources Code A. ARANSAS, SK. NO. 16 CO. <u>ARANSAS</u>, <u>K. Schreib</u> File Date <u>03/21/2019</u> by

C: 361-729-6479
B: 361-729-7933
Www.gbsurveyor.com



TEXAS GENERAL LAND OFFICE George P. Bush, Commissioner

Surveying Division Coastal Boundary Survey Approval

Project: Aransas Wildlife Shoreline Restoration - Lamar Peninsula

Project No: SL20170026 (GLO)

Project Manager: Amy Nunez, Director, Coastal Field Operations

Surveyor: Jerald L. Brundrett, Jr., RPLS, Aransas County Surveyor

Description: Being a Coastal Boundary Survey, dated March 27, 2017, by Jerald L. Brundrett, Jr., Aransas County Surveyor, delineating the line of Mean Higher High Water along the western shore of St. Charles Bay and State of Texas Submerged Land Tract 384, same line being a portion of the littoral boundary of the William Lewis Survey, Abstract 96. The Survey is in support of Living Shoreline – Offshore Restoration Project at Goose Island State Park, authorized under General Land Office Lease SL20170026. The mid-point of the surveyed line plots at coordinates N28°09'16" (28.154444), W96°58'24" (96.973333) WGS84. A copy of the Coastal Boundary Survey plat is recorded in Volume 6, Page 326, Plat Records of Aransas County, Texas.

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 Klotz, RPLS Surveying Division

Approval Filed as:

Tex.Nat.Res.Code Article 33.136 Aransas County, Sketch No. 16

TEXAS GENERAL LAND OFFICE Art. 33.136, Natural Resources Code CO. ARANSAS, SK NO. 16 File Date 03/21/2019 by U.Schreiber

1700 North Congress Avenue, Austin, Texas 78701-1495 P.O. Box 12873, Austin, Texas 78711-2873 512-463-5001 glo.texas.gov