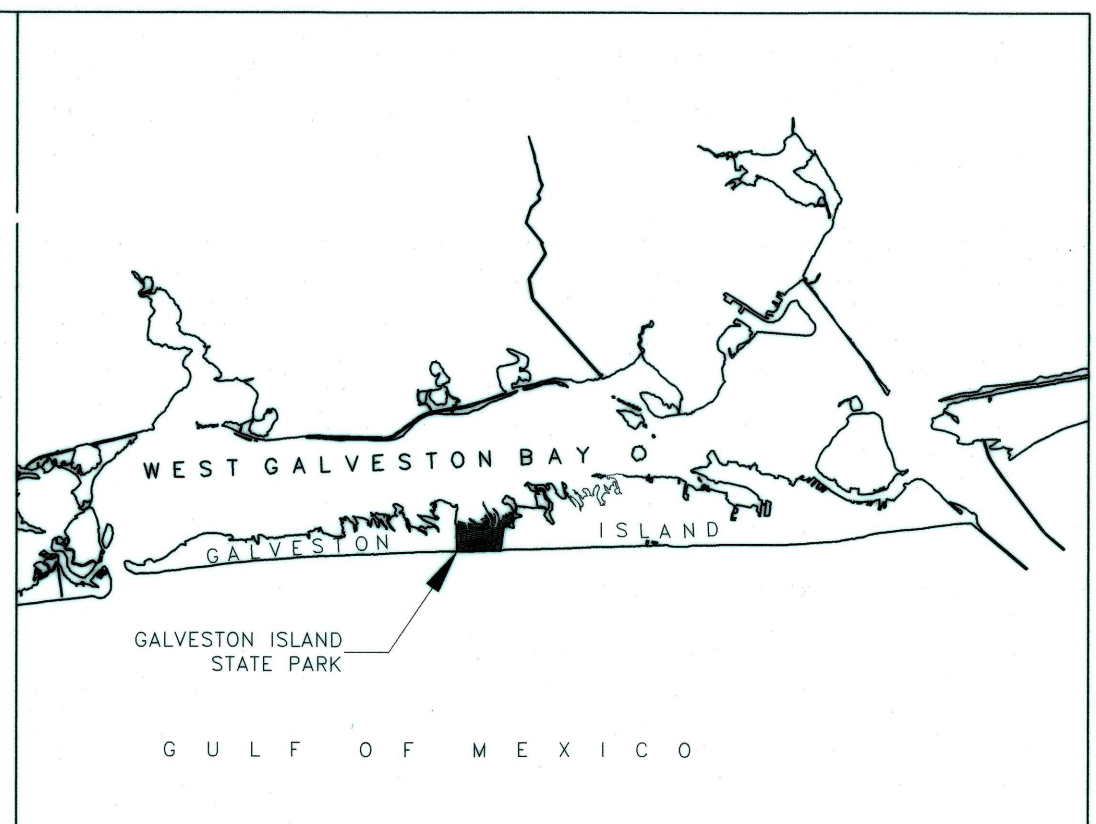
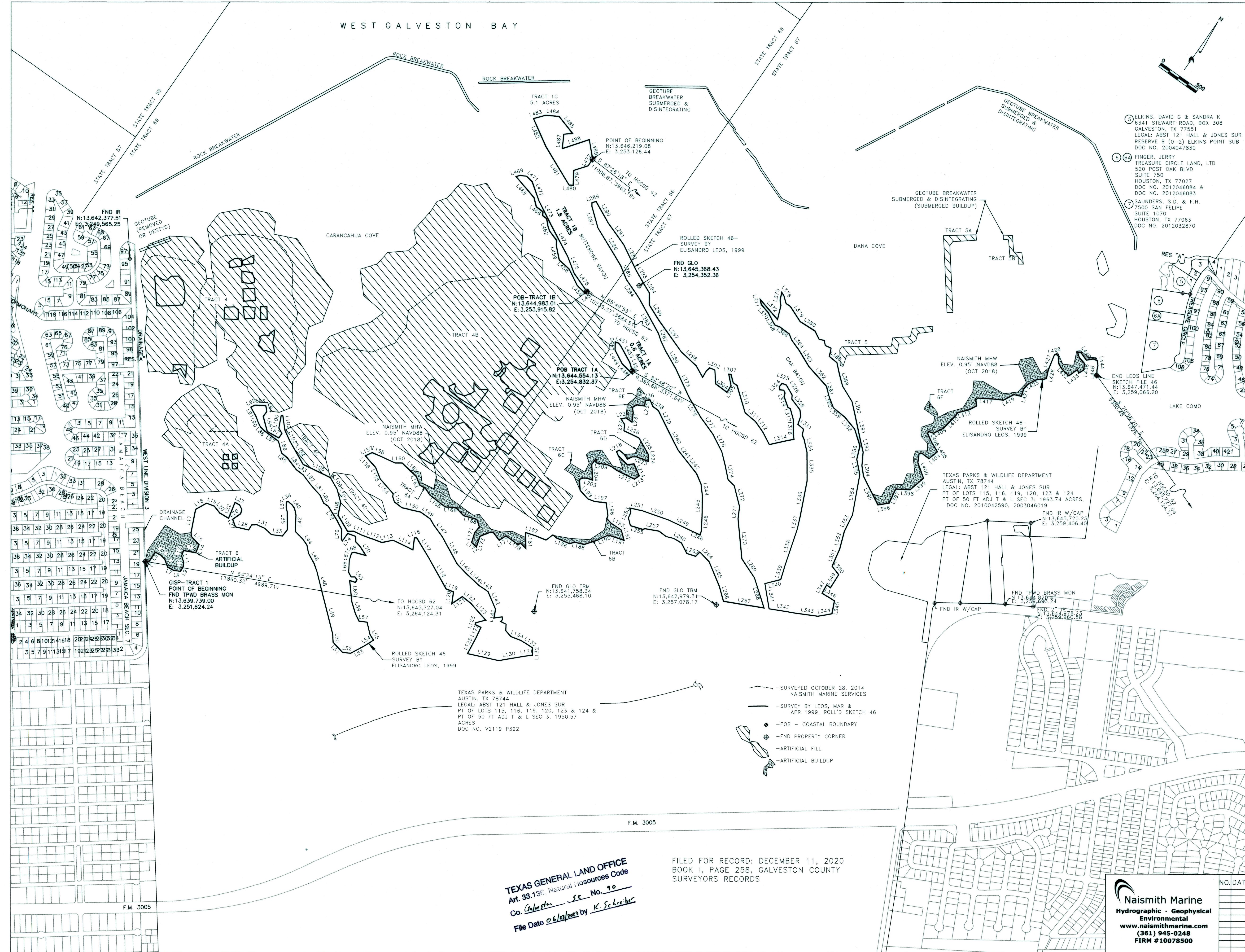


WEST GALVESTON BAY



- NOTES:
1. EROSION RESPONSE WORK: ADDITIONAL 7,550 LF OF ROCK BREAKWATER CEPPA PROJECT NO. 1637 ADMINISTERED BY THE TEXAS GENERAL LAND OFFICE, COASTAL RESOURCES
 2. ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AS DEFINED BY ARTICLE 21-071 OF THE NATURAL RESOURCES CODE OF THE STATE OF TEXAS, US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE SCALE FACTOR IS 0.999865482 AND MAPPING ANGLE IS 01d 58' 58".
 3. COORDINATES AND ELEVATIONS ARE BASED ON MONUMENTS & ON OPUS SOLUTIONS. VERTICAL DATUM: NAVD88

REFERENCE MONUMENT "HGCSO 62"
 N: 13,645,727.04
 E: 3,264,124.31
 ELEV: 6.30' NAVD88

REFERENCE MONUMENT "H 1186 1964"
 N: 13,652,031.54
 E: 3,271,254.86
 ELEV: 5.59' NAVD88

REFERENCE MONUMENT "PAM 26 ARP"
 N: 13,646,502.95
 E: 3,263,870.16
 ELEV: 15.18' NAVD88

4. ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: HEMISPHERE S320 OR TRIMBLE R8.
5. MEAN HIGH WATER (MHW) OF 0.95' NAVD88 FOR WEST GALVESTON BAY WAS DETERMINED FROM "CARANCAHUA LAKE" TIDE GAUGE DATA REFERENCED TO USCG FREEPORT AND GALVESTON PIER 21 GAUGES.
6. TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
7. UPLAND TRACT LINES SHOWN HEREON ARE BASED ON DEED DESCRIPTIONS AND APPRAISAL DISTRICT MAPS; LINES ARE SHOWN FOR REFERENCE ONLY.
8. REFERENCE ACCOMPANYING REPORT DATED OCT, 2018 FOR ADDITIONAL INFORMATION.
9. BACKGROUND IMAGE: NAIP 2016 & 2017 DIGITAL ORTHO (NMS).
10. TOE OF ARTIFICIAL FILL EVIDENCED USING 2005 & 2016-2017 AERIAL PHOTOGRAPHY AND MARSH RESTORATION CONSTRUCTION PLANS

I, JAMES M. NAISMITH, HEREBY STATE THAT THIS DRAWING REPRESENTS A SURVEY THAT IS CORRECT; IN ACCORDANCE WITH SECTION 21.042 TEXAS NATURAL RESOURCES CODE, WAS MADE ACCORDING TO LAW; WAS MADE IN THE FIELD UNDER MY DIRECT CONTROL AND SUPERVISION; WAS MADE UTILIZING METHODOLOGY APPROVED BY THE GLO; AND IS RECORDED IN

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.

NO FILL OR BUILDUP IS LOCATED WITHIN THE SURVEYED AREA AND NO RETAINING WALLS OR STRUCTURAL MODIFICATIONS HAVE BEEN PLACED ALONG THE SURVEYED LITTORAL BOUNDARY EXCEPT WHERE NOTED.

SURVEYED: OCTOBER 15-18, 2018 SURVEY PERSONNEL: JAMES M. NAISMITH SETH GAMBILL

FILED FOR RECORD: DECEMBER 11, 2020
 BOOK 1, PAGE 258, GALVESTON COUNTY
 SURVEYORS RECORDS

TEXAS GENERAL LAND OFFICE
 Art. 33.136, Natural Resources Code
 Co. Galveston, SE No. 90
 File Date 06/02/2022 by K. Schreiber

Naismith Marine
 Hydrographic · Geophysical
 Environmental
 www.naismithmarine.com
 (361) 945-0248
 FIRM #10078500

NO.	DATE	REVISION

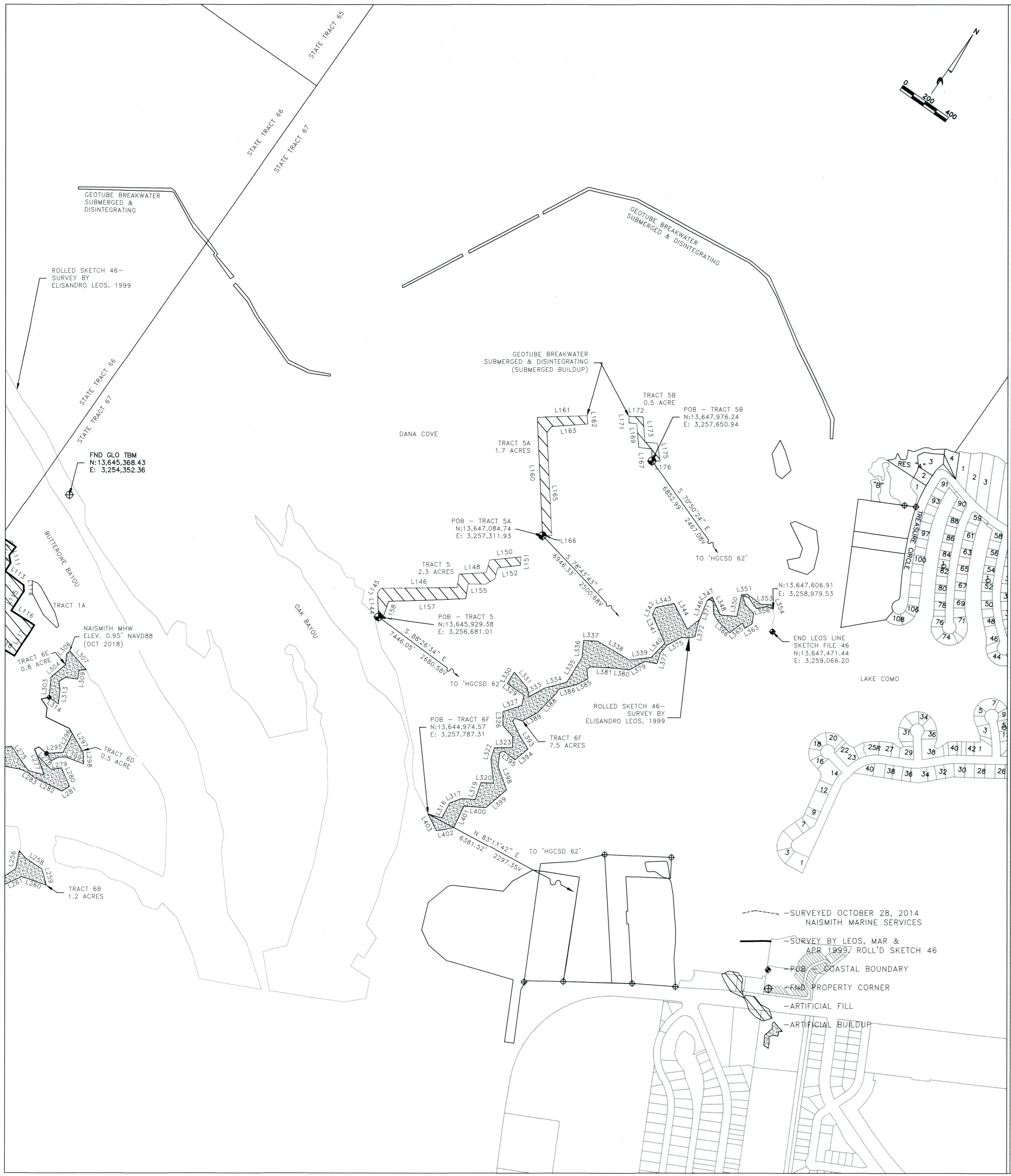
SCALE: 1" = 500'
 DWN. BY: JZG PLAN SHEET 1 OF 4 DATE: OCT 2018

**GALVESTON ISLAND STATE PARK -
TRACT 1 -**

LINE	BEARING	DISTANCE	VARAS
L1	N 38°53'14"	E 6.40	2.30V
L2	N 52°25'25"	E 40.95	14.74V
L3	N 01°38'48"	W 117.94	42.46V
L4	N 82°37'53"	E 69.40	24.98V
L5	S 78°47'18"	E 62.61	22.54V
L6	S 55°41'08"	E 94.25	33.93V
L7	N 83°51'56"	E 72.14	25.97V
L8	N 63°26'46"	E 80.04	28.81V
L9	N 06°25'31"	W 61.86	22.27V
L10	N 29°02'12"	W 47.96	17.27V
L11	N 52°48'40"	W 73.94	26.62V
L12	N 51°14'01"	W 63.34	22.80V
L13	N 65°11'00"	E 138.74	49.95V
L14	N 31°14'45"	W 96.32	34.67V
L15	N 78°16'06"	W 125.44	45.16V
L16	N 38°58'50"	W 44.40	15.99V
L17	N 23°54'56"	W 260.71	93.85V
L18	N 25°47'39"	E 139.83	50.34V
L19	N 76°02'28"	E 92.08	33.15V
L20	S 73°56'45"	E 99.25	35.73V
L21	N 86°59'21"	E 109.79	39.52V
L22	N 12°46'51"	W 89.94	68.38V
L23	N 84°25'01"	E 60.69	21.85V
L24	S 59°59'14"	E 53.95	19.42V
L25	S 19°41'29"	E 48.96	17.63V
L26	S 20°06'41"	W 107.47	38.69V
L27	S 54°59'10"	E 88.71	31.93V
L28	N 67°49'54"	E 151.07	54.39V
L29	N 03°51'58"	W 63.95	23.02V
L30	N 52°08'48"	E 59.99	21.60V
L31	N 78°46'48"	E 92.80	33.41V
L32	S 81°13'18"	E 102.51	36.90V
L33	N 62°25'13"	E 122.21	44.00V
L34	N 03°33'08"	E 89.40	32.18V
L35	N 35°32'40"	W 196.62	70.78V
L36	N 46°58'17"	W 51.58	18.57V
L37	N 33°29'56"	W 59.78	21.52V
L38	N 33°04'57"	E 19.27	6.94V
L39	S 84°31'38"	E 62.52	22.51V
L40	S 68°28'56"	E 46.79	16.85V
L41	S 47°22'29"	E 72.15	25.97V
L42	S 32°54'15"	E 183.70	66.13V
L43	S 79°21'08"	E 118.49	42.66V
L44	S 69°10'21"	E 79.02	28.45V
L45	S 46°06'53"	E 93.48	33.65V
L46	S 63°05'58"	E 130.00	46.80V
L47	S 54°15'36"	E 92.74	33.99V
L48	S 49°06'30"	E 251.86	90.67V
L49	S 49°18'39"	E 463.12	166.72V
L50	S 38°09'47"	E 89.42	32.19V
L51	S 78°17'43"	E 152.35	54.85V
L52	N 61°15'20"	E 89.54	32.23V
L53	N 27°14'17"	E 165.28	59.50V
L54	N 23°28'36"	E 125.88	45.32V
L55	N 66°07'34"	W 76.92	27.69V
L56	N 48°03'55"	W 138.76	49.95V
L57	S 61°56'04"	W 90.45	32.56V
L58	N 60°59'16"	W 91.15	32.81V
L59	N 51°24'31"	W 138.23	49.76V
L60	N 41°01'45"	W 236.80	85.25V
L61	N 73°20'35"	E 66.68	24.01V
L62	N 03°24'09"	W 33.75	12.15V
L63	N 69°53'16"	W 39.30	14.15V
L64	S 54°17'52"	W 42.29	15.23V
L65	N 62°26'38"	W 56.85	20.47V
L66	N 32°45'08"	W 131.36	47.29V
L67	N 18°19'17"	W 86.02	30.97V
L68	N 39°14'36"	E 31.26	11.25V
L69	N 70°12'14"	E 134.44	48.40V
L70	N 68°31'22"	W 120.85	43.51V
L71	N 77°38'04"	W 69.68	25.09V
L72	N 34°05'06"	W 58.74	21.15V
L73	S 75°17'59"	W 94.52	34.03V
L74	S 00°53'37"	W 101.94	36.70V
L75	N 66°02'16"	W 23.73	8.54V
L76	N 32°30'13"	W 104.82	37.73V
L77	N 61°55'38"	W 113.30	40.79V
L78	N 67°18'21"	W 185.59	66.81V
L79	S 89°23'47"	W 60.45	21.76V
L80	N 59°14'09"	W 96.17	34.62V
L81	N 77°11'49"	W 143.17	51.54V
L82	N 72°00'15"	W 149.43	53.79V
L83	N 88°25'48"	W 94.61	34.06V
L84	N 72°27'13"	W 167.09	60.15V
L85	N 85°33'46"	W 82.45	29.68V
L86	N 49°46'22"	W 134.81	48.53V
L87	N 89°02'26"	W 189.55	68.24V
L88	N 79°10'09"	W 67.79	24.40V
L89	N 61°05'08"	W 51.93	18.70V
L90	N 56°06'43"	W 72.88	26.24V
L91	N 64°26'35"	W 113.97	41.03V
L92	N 28°36'38"	E 50.98	18.35V
L93	N 56°26'41"	E 119.68	43.09V
L94	S 43°53'24"	E 67.53	24.31V
L95	S 01°21'46"	E 65.10	23.44V
L96	S 49°48'31"	E 173.47	62.45V
L97	N 83°32'54"	E 145.86	52.51V
L98	N 00°09'49"	E 59.46	21.41V
L99	N 64°43'52"	W 69.96	25.19V
L100	N 24°18'16"	W 138.34	49.80V

LINE	BEARING	DISTANCE	VARAS
L101	N 44°23'07"	E 18.61	6.70V
L102	S 43°16'15"	E 166.06	59.78V
L103	S 59°46'02"	E 135.38	48.74V
L104	S 64°47'41"	E 293.36	105.61V
L105	N 80°53'58"	E 335.67	120.84V
L106	S 65°25'30"	E 145.23	52.28V
L107	S 50°21'00"	E 154.76	55.71V
L108	S 23°21'33"	E 144.13	51.89V
L109	S 68°07'23"	E 205.40	73.94V
L110	N 54°51'14"	E 65.56	23.60V
L111	N 80°26'49"	E 97.70	35.17V
L112	N 75°35'57"	E 241.05	86.78V
L113	N 43°15'52"	E 125.55	45.20V
L114	N 80°29'48"	E 243.87	87.79V
L115	N 28°28'05"	W 132.31	47.63V
L116	N 37°33'37"	E 23.71	8.53V
L117	S 66°26'20"	E 266.26	95.86V
L118	N 64°10'31"	E 392.79	141.40V
L119	N 77°53'05"	E 88.52	31.87V
L120	S 26°53'06"	E 132.67	47.76V
L121	N 20°42'50"	E 141.31	50.87V
L122	S 86°20'19"	E 119.08	42.87V
L123	S 76°28'14"	E 249.22	89.72V
L124	S 40°48'06"	W 113.02	40.69V
L125	S 15°04'49"	E 22.24	8.01V
L126	N 80°10'02"	E 72.50	26.10V
L127	S 09°34'17"	E 128.92	46.41V
L128	S 06°50'06"	E 198.16	71.34V
L129	N 67°08'31"	E 355.23	127.88V
L130	N 45°22'25"	E 244.67	88.08V
L131	N 48°03'15"	E 131.53	47.35V
L132	N 34°46'13"	W 81.97	29.51V
L133	S 87°45'22"	W 153.06	55.10V
L134	S 76°53'13"	W 119.65	43.08V
L135	N 75°46'36"	W 85.57	30.80V
L136	N 32°33'17"	W 71.22	25.44V
L137	S 81°00'28"	W 66.07	23.79V
L138	N 04°58'06"	E 30.25	10.89V
L139	N 42°18'20"	W 29.18	10.50V
L140	N 46°34'29"	W 92.13	33.17V
L141	N 24°10'21"	W 98.95	35.62V
L142	N 58°13'32"	W 213.43	76.84V
L143	S 88°06'11"	W 118.75	42.75V
L144	N 82°04'57"	E 190.13	68.45V
L145	N 78°33'07"	W 150.02	54.01V
L146	N 63°23'26"	W 342.40	123.27V
L147	N 71°21'48"	W 156.33	56.28V
L148	N 64°46'35"	W 86.64	31.19V
L149	N 89°54'39"	W 129.31	46.55V
L150	S 67°38'14"	W 213.49	76.86V
L151	N 87°17'31"	W 104.04	37.45V
L152	N 52°35'10"	W 61.41	22.11V
L153	N 27°25'49"	W 33.45	12.04V
L154	N 76°17'44"	W 215.40	77.54V
L155	N 57°21'42"	W 136.22	49.04V
L156	N 75°47'58"	W 174.90	62.96V
L157	N 30°16'15"	E 80.69	29.05V
L158	N 78°23'11"	E 110.62	39.82V
L159	N 79°50'21"	E 167.65	60.35V
L160	N 55°22'30"	E 78.99	28.44V
L161	S 81°55'01"	E 216.46	77.93V
L162	S 56°57'28"	E 100.50	36.18V
L163	N 85°40'53"	E 75.05	27.02V
L164	S 68°25'26"	E 85.81	30.89V
L165	S 87°01'06"	E 215.14	77.45V
L166	N 60°14'46"	E 122.05	43.94V
L167	N 78°19'47"	E 120.51	43.88V
L168	N 70°45'31"	E 152.00	54.72V
L169	S 54°30'07"	E 89.35	32.17V
L170	S 05°27'10"	W 81.58	29.37V
L171	S 17°31'38"	E 114.19	41.11V
L172	S 82°25'25"	E 72.82	26.22V
L173	N 16°21'28"	W 124.25	44.73V
L174	N 32°27'18"	E 112.32	40.44V
L175	N 52°11'17"	E 42.50	15.30V
L176	S 71°45'51"	E 109.99	39.59V
L177	N 21°29'11"	E 90.32	32.51V
L178	S 89°29'03"	E 166.07	59.78V
L179	N 28°05'56"	E 31.42	11.31V
L180	S 78°36'29"	E 81.88	29.48V
L181	N 36°32'22"	W 177.31	63.83V
L182	N 73°11'31"	E 117.24	42.21V
L183	N 77°17'31"	E 126.60	45.58V
L184	N 77°39'35"	E 96.90	34.88V
L185	S 83°15'23"	E 52.29	18.83V
L186	N 78°24'18"	E 157.49	56.70V
L187	N 37°28'50"	E 56.25	20.25V
L188	N 68°03'06"	E 150.48	54.17V
L189	N 36°58'59"	E 150.48	54.17V
L190	N 30°36'48"	E 138.32	49.08V
L191	N 73°26'52"	E 183.23	65.96V
L192	N 50°29'33"	W 118.69	42.73V
L193	S 88°35'45"	W 136.54	49.16V
L194	S 75°47'55"	W 69.82	25.14V
L195	N 13°23'55"	W 32.18	11.58V
L196	N 42°51'11"	W 143.91	51.81V
L197	S 62°15'02"	W 130.50	46.98V
L198	S 76°08'12"	W 78.03	28.09V
L199	N 77°47'05"	W 128.17	46.14V
L200	N 38°13'55"	W 121.21	43.64V

LINE	BEARING	DISTANCE	VARAS
L201	N 33°29'23"	E 41.63	14.99V
L202	N 77°19'27"	E 42.84	15.42V
L203	N 72°49'55"	E 68.88	24.80V
L204	N 38°42'55"	W 172.29	62.02V
L205	N 00°21'58"	E 74.65	26.87V
L206	N 86°33'53"	E 14.01	5.04V
L207	S 00°34'05"	W 19.64	7.07V
L208	S 50°57'35"	E 19.77	7.12V
L209	N 65°23'00"	E 129.20	46.51V
L210	N 81°04'46"	E 50.91	18.33V
L211	S 89°55'09"	E 68.16	24.54V
L212	N 80°51'13"	E 217.64	86.78V
L213	N 21°14'11"	E 63.41	22.83V
L214	N 58°34'19"	W 144.47	52.01V
L215	S 47°31'51"	W 76.26	27.45V
L216	N 80°03'22"	W 142.85	51.43V
L217	N 57°29'16"	W 48.16	17.34V
L218	N 27°32'50"	E 34.40	12.38V
L219	S 85°05'48"	E 73.92	26.81V
L220	S 68°16'12"	E 61.68	22.21V
L221	N 29°47'34"	E 60.60	21.82V
L222	N 54°33'38"	E 47.82	17.22V
L223	N 75°46'07"	E 141.88	51.08V
L224	N 37°51'11"	W 81.65	29.39V
L225	N 64°55'37"	W 202.11	72.76V
L226	S 80°38'49"	W 188.02	67.69V
L227	N 28°04'19"	W 69.33	24.96V
L228	N 69°30'07"	W 74.92	26.97V
L229	N 44°26'29"	E 58.01	20.88V
L230	S 89°51'35"	E 81.65	29.39V
L231	N 27°54'04"	W 103.01	37.08V
L232	N 42°16'14"	W 62.21	22.40V
L233	N 25°36'42"	E 55.76	20.07V
L234	N 63°19'17"	E 86.26	31.05V
L235	N 25°29'17"	W 64.33	23.16V
L236	S 52°06'02"	E 52.51	18.90V
L237	S 66°47'58"	E 76.06	27.38V
L238	S 89°14'41"	E 74.70	26.89V
L239	S 61°12'43"	E 239.42	86.19V
L240	S 62°02'32"	E 249.97	89.99V
L241	S 73°19'40"	E 142.64	51.35V
L242	N 63°59'20"	E 300.05	108.02V
L243	N 62°49'15"	E 246.11	88.60V
L244	N 45°56'47"	E 157.78	56.



ARTIFICIAL FILL (GEOTUBE BUILDUP)
TRACT 5 - 2.3 ACRES

LINE	BEARING	DISTANCE	VARAS
L144	N 37°16'06" E	172.34	62.04V
L145	N 02°41'11" E	240.31	14.51V
L146	S 42°24'31" E	150.75	198.22V
L147	N 25°54'28" E	95.75	34.47V
L148	N 51°39'36" E	193.53	69.67V
L149	N 19°33'36" E	94.54	34.03V
L150	N 49°07'14" E	122.09	61.99V
L151	S 32°56'10" E	59.88	21.56V
L152	N 48°15'18" E	167.04	60.14V
L153	N 21°08'32" E	180.88	79.05V
L154	S 23°55'56" E	75.45	27.16V
L155	S 55°31'02" E	122.80	46.01V
L156	S 26°08'52" E	1107.22	38.80V
L157	S 53°05'41" E	656.08	200.19V
L158	N 15°50'00" E	129.01	46.44V
L159	S 73°26'11" E	31.01	11.16V

TRACT 5A - 1.7 ACRES

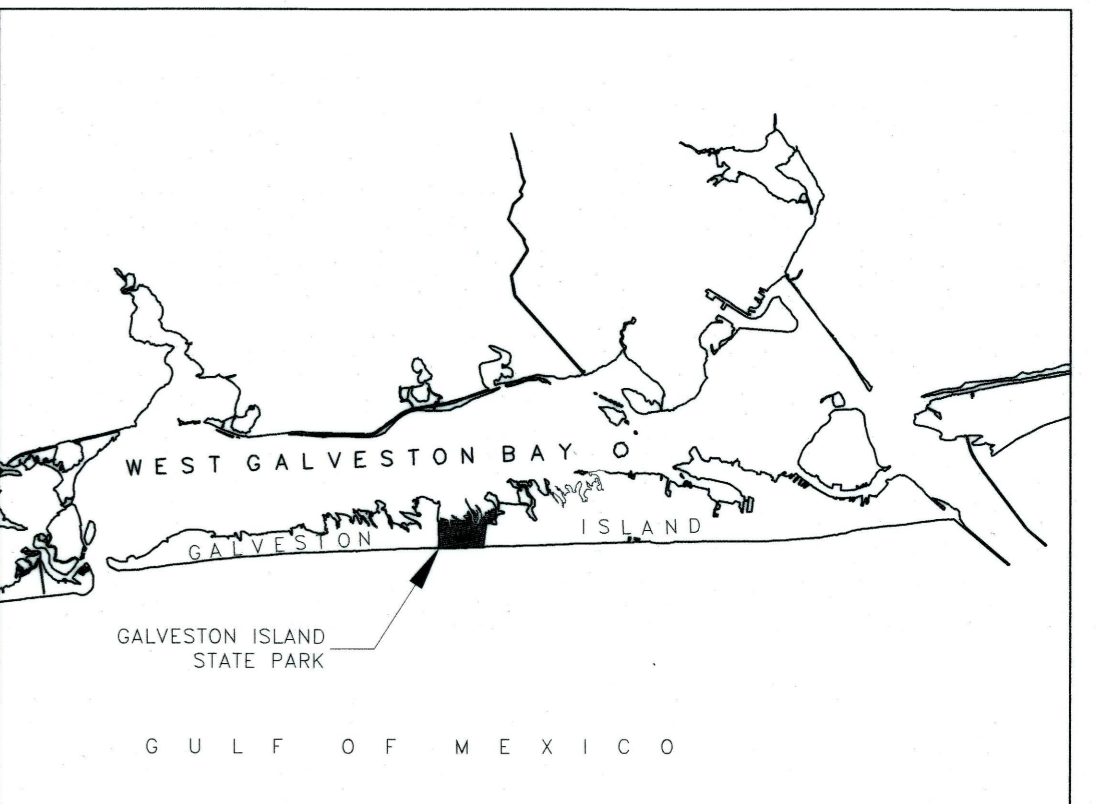
LINE	BEARING	DISTANCE	VARAS
L160	N 37°37'48" E	849.90	305.96V
L161	N 53°14'42" E	359.17	129.50V
L162	S 39°45'48" E	60.21	21.87V
L163	S 51°07'58" E	263.53	84.80V
L164	N 02°03'21" E	32.97	19.07V
L165	S 37°45'28" E	740.83	266.70V
L166	S 55°00'00" E	66.00	23.76V

TRACT 5B - 0.5 ACRE

LINE	BEARING	DISTANCE	VARAS
L167	N 36°59'37" E	86.23	31.04V
L168	N 61°08'14" E	93.54	35.87V
L169	N 39°59'12" E	172.57	62.72V
L170	S 61°00'32" E	57.31	20.63V
L171	N 35°04'52" E	47.00	16.92V
L172	N 58°18'22" E	110.89	66.68V
L173	S 39°20'07" E	181.49	65.32V
L174	N 59°38'57" E	88.92	32.01V
L175	S 43°49'08" E	128.80	46.37V
L176	S 55°06'13" E	65.79	20.43V

ARTIFICIAL FILL
TRACT 6F - 7.5 ACRES

LINE	BEARING	DISTANCE	VARAS
L315	N 71°33'12" E	103.11	37.12V
L316	N 06°19'51" E	20.96	43.26V
L317	N 34°01'47" E	99.73	32.86V
L318	N 58°46'07" E	98.71	35.54V
L319	N 61°18'58" E	127.03	45.73V
L320	N 57°13'41" E	89.49	32.22V
L321	N 40°53'37" E	176.38	63.50V
L322	N 18°00'03" E	83.99	30.24V
L323	N 54°20'57" E	131.41	47.31V
L324	N 33°58'05" E	80.83	29.03V
L325	N 77°39'15" E	105.42	37.95V
L326	N 35°10'52" E	100.49	36.17V
L327	N 36°43'11" E	143.37	51.81V
L328	N 22°54'20" E	75.50	27.18V
L329	N 89°42'03" E	147.50	53.10V
L330	N 03°06'54" E	67.25	35.01V
L331	S 74°33'43" E	149.21	53.72V
L332	S 45°23'21" E	63.82	22.98V
L333	N 25°58'20" E	125.06	45.02V
L334	N 36°59'38" E	167.91	60.45V
L335	N 03°28'24" E	209.80	75.17V
L336	N 29°38'33" E	124.87	44.95V
L337	N 58°06'29" E	99.78	35.74V
L338	N 85°23'47" E	169.70	67.08V
L339	N 48°10'21" E	156.85	56.47V
L340	N 08°26'41" E	141.43	50.92V
L341	N 58°54'50" E	221.78	79.84V
L342	N 11°15'26" E	67.64	20.75V
L343	N 42°32'44" E	135.60	48.82V
L344	S 63°03'15" E	209.23	75.32V
L345	N 16°23'23" E	110.94	39.84V
L346	N 13°17'47" E	149.70	53.88V
L347	N 22°19'29" E	42.85	15.36V
L348	N 59°43'56" E	139.77	50.32V
L349	N 61°08'51" E	116.97	43.66V
L350	N 23°03'47" E	180.28	57.70V
L351	N 48°15'47" E	40.83	14.70V
L352	N 89°53'59" E	123.34	44.40V
L353	N 59°00'14" E	144.92	26.37V
L354	S 56°54'11" E	56.32	13.07V
L355	S 78°18'13" E	48.78	17.56V
L356	N 44°21'32" E	77.37	27.85V
L357	N 71°58'21" E	47.94	17.26V
L358	N 68°28'24" E	51.44	18.52V
L359	N 68°49'50" E	45.61	15.70V
L360	N 53°15'29" E	67.69	24.37V
L361	N 78°31'45" E	83.99	30.24V
L362	N 26°47'27" E	75.52	27.19V
L363	N 23°18'24" E	62.58	22.52V
L364	N 57°58'52" E	40.92	14.25V
L365	N 18°08'14" E	115.99	41.76V
L366	N 80°24'03" E	114.97	41.39V
L367	N 66°48'28" E	83.31	22.79V
L368	N 38°17'01" E	87.38	31.46V
L369	N 89°17'51" E	26.96	9.70V
L370	N 42°57'09" E	20.71	7.45V
L371	N 19°17'47" E	184.17	66.30V
L372	N 23°03'13" E	92.78	33.40V
L373	N 44°00'00" E	43.67	15.72V
L374	N 56°20'50" E	57.37	20.85V
L375	N 28°57'30" E	116.39	41.90V
L376	N 07°02'47" E	72.48	26.09V
L377	N 18°06'54" E	82.34	29.64V
L378	N 63°39'21" E	85.76	30.87V
L379	N 27°04'23" E	131.38	47.30V
L380	N 62°28'05" E	89.54	32.23V
L381	N 58°27'28" E	191.56	68.96V
L382	N 19°16'32" E	50.39	10.94V
L383	N 41°22'32" E	30.14	10.85V
L384	N 42°09'59" E	40.67	14.64V
L385	N 28°01'46" E	94.44	34.00V
L386	N 40°37'29" E	131.21	47.24V
L387	N 05°05'55" E	33.58	12.09V
L388	N 09°11'31" E	95.65	70.44V
L389	N 27°07'01" E	73.00	44.28V
L390	N 74°39'01" E	58.98	21.23V
L391	N 04°40'00" E	25.32	9.11V
L392	N 60°21'23" E	111.26	40.05V
L393	N 65°53'30" E	119.43	43.00V
L394	N 16°08'55" E	122.70	44.17V
L395	N 86°45'17" E	99.91	35.97V
L396	N 39°23'03" E	52.03	11.53V
L397	N 28°22'53" E	99.25	35.75V
L398	N 54°55'55" E	180.79	65.08V
L399	N 14°05'04" E	197.49	71.10V
L400	N 58°42'12" E	136.07	56.90V
L401	N 09°51'45" E	170.89	61.52V
L402	N 45°30'32" E	126.27	45.46V
L403	N 61°44'45" E	135.79	48.88V



- NOTES:
- EROSION RESPONSE WORK; ADDITIONAL 7,550 LF OF ROCK BREAKWATER CEPRA PROJECT NO. 1637 ADMINISTERED BY THE TEXAS GENERAL LAND OFFICE, COASTAL RESOURCES
 - ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AS DEFINED BY ARTICLE 21.071 OF THE NATURAL RESOURCES CODE OF THE STATE OF TEXAS, US FEET. ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL DISTANCES GRID. THE SCALE FACTOR IS 0.999865482 AND MAPPING ANGLE IS 01d 58' 58".
 - COORDINATES AND ELEVATIONS ARE BASED ON MONUMENTS & ON OPUS SOLUTIONS. VERTICAL DATUM: NAVD88
 - REFERENCE MONUMENT "HGCD 62"
N: 13,645,727.04
E: 3,264,124.31
ELEV: 6.30' NAVD88
 - REFERENCE MONUMENT "H 1186 1964"
N: 13,652,031.54
E: 3,271,254.86
ELEV: 5.59' NAVD88
 - REFERENCE MONUMENT "PAM 26 ARP"
N: 13,645,502.95
E: 3,263,870.16
ELEV: 15.18' NAVD88
 - ALL POSITIONS AND ELEVATIONS RECORDED USING SURVEY GRADE, RTK GPS. EQUIPMENT: HEMISPHERE S320 OR TRIMBLE R8.
 - MEAN HIGH WATER (MHW) OF 0.95' NAVD88 FOR WEST GALVESTON BAY WAS DETERMINED FROM "CARANCAHUA LAKE" TIDE GAUGE DATA REFERENCE TO USCG FREEPORT AND GALVESTON PIER 21 GAUGES.
- STATE/PRIVATE OWNERSHIP ALONG GALVESTON STATE PARK (GCPR VOL 2119 PG 392) WAS HELD AT MHW LINE SHOWN ON TEXAS NATURAL RESOURCE CODE ARTICLE 33.136, GALVESTON COUNTY, SKETCH FILE 46, COUNTER #5981, FILED FEBRUARY 28, 2000.
- TO CONVERT FEET TO VARAS MULTIPLY BY 0.36.
 - UPLAND TRACT LINES SHOWN HEREON ARE BASED ON DEED DESCRIPTIONS AND APPRAISAL DISTRICT MAPS; LINES ARE SHOWN FOR REFERENCE ONLY.
 - REFERENCE ACCOMPANYING REPORT DATED OCT. 2018 FOR ADDITIONAL INFORMATION.
 - BACKGROUND IMAGE: NAIP 2016 & 2017 DIGITAL ORTHO (NMS).
 - TOE OF ARTIFICIAL FILL EVIDENCED USING 2005 & 2016-2017 AERIAL PHOTOGRAPHY AND MARSH RESTORATION CONSTRUCTION PLANS

I, JAMES M. NAISMITH, HEREBY STATE THAT THIS DRAWING REPRESENTS A SURVEY THAT IS CORRECT; IN ACCORDANCE WITH SECTION 21.042 TEXAS NATURAL RESOURCES CODE, WAS MADE ACCORDING TO LAW; WAS MADE IN THE FIELD UNDER MY DIRECT CONTROL AND SUPERVISION; WAS MADE UTILIZING METHODOLOGY APPROVED BY THE GLD; AND IS RECORDED IN

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.

NO FILL OR BUILDUP IS LOCATED WITHIN THE SURVEYED AREA AND NO RETAINING WALLS OR STRUCTURAL MODIFICATIONS HAVE BEEN PLACED ALONG THE SURVEYED LITTORAL BOUNDARY EXCEPT WHERE NOTED.

SURVEYED: OCTOBER 15-18, 2018 SURVEY PERSONNEL:
JAMES M. NAISMITH
SETH GAMBILL

FILED FOR RECORD: DECEMBER 11, 2020
BOOK 1, PAGE 258, GALVESTON COUNTY
SURVEYORS RECORDS

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, sk No. 70
File Date 06/15/2021 by K. Schreiber

Naismith Marine
Hydrographic - Geophysical
Environmental
www.naismithmarine.com
(361) 945-0248
FRM #10078500

NO.	DATE	REVISION

FILL MAP SHOWING ARTIFICIAL FILL ASSOCIATED WITH A COASTAL BOUNDARY SURVEY BEING THE LITTORAL BOUNDARY ALONG GALVESTON ISLAND STATE PARK BEING MULTIPLE TRACTS OF THE EDWARD HALL AND LEVI JONES, A-121 ADJACENT TO W. GALVESTON BAY AND SUBMERGED STATE TRACTS 66 & 67 GALVESTON COUNTY, TEXAS

SCALE: 1"= 500'
DWN. BY: JZG

PLAN SHEET 4 OF 4

DATE:
OCT 2018



TEXAS GENERAL LAND OFFICE
GEORGE P. BUSH, COMMISSIONER

Surveying Division
Coastal Boundary Survey Approval

Project: Galveston Island State Park, Submerged Tracts 66 & 67, Galveston Co.

Project No: CEPRA Project No. 1637 (administered by GLO)

Project Manager: Amy Nuñez, Manager, Corpus Christi-Lower Coast
Texas General Land Office

Surveyor: James Naismith, Licensed State Land Surveyor

Description: Coastal Boundary Survey, by James Naismith, Licensed State Land Surveyor, dated January 27, 2021, being Fill Map showing Artificial Fill associated with a Coastal Boundary Survey being the littoral boundary along Galveston Island State Park- being multiple tracts of the Edward Hall and Levi Jones, A-121, adjacent to W. Galveston Bay and Submerged State Tracts 66 & 67, Galveston County, Texas. The coordinates of its mid-point being, 29°12'19.04"N, 94°57'42.82"W WGS84. A copy of the survey has been recorded in Book I, Page 258, Galveston County Surveyors Records.

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, LSLs
Surveying Services

3/15/2022

Date

Approval Filed as:

Tex.Nat.Res.Code Article 33.136 Galveston County, Sketch No. 90

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code

Co. Galveston, SK No. 90

File Date 06/23/2022 by K. Screiber

Naismith Marine Services, Inc.

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Rockport, TX 78382
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[FIRM #10078500](#)

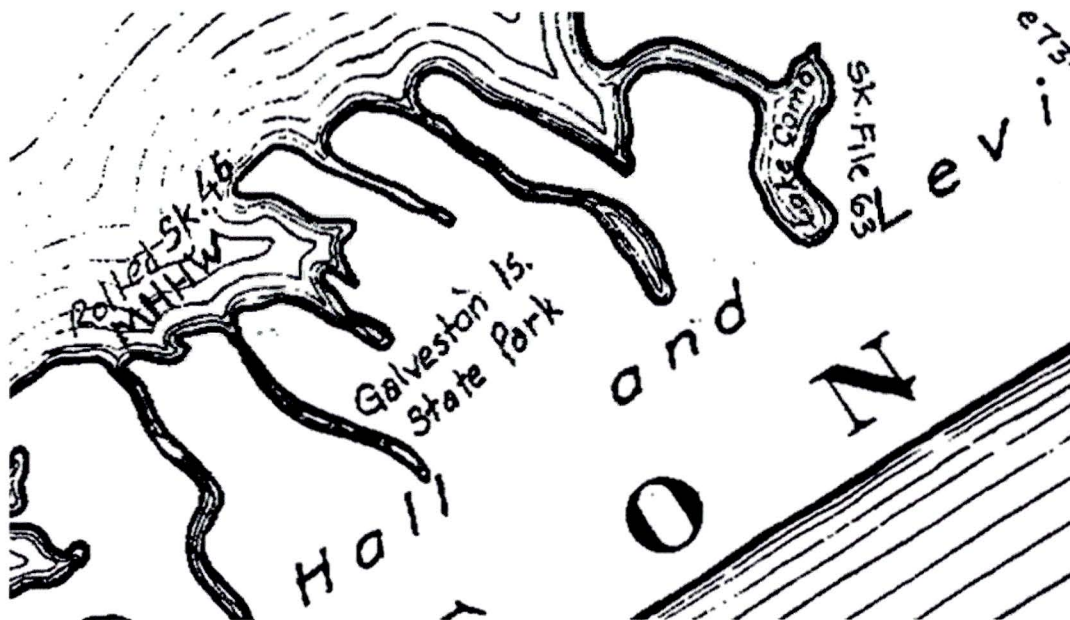


October, 2018

Report of a Coastal Boundary Survey for

FILL MAP SHOWING ARTIFICIAL FILL ASSOCIATED WITH A COASTAL BOUNDARY SURVEY BEING THE LITTORAL BOUNDARY ALONG GALVESTON ISLAND STATE PARK- BEING MULTIPLE TRACTS OF THE EDWARD HALL AND LEVI JONES, A-121, ADJACENT TO W. GALVESTON BAY AND SUBMERGED STATE TRACTS 66 & 67 GALVESTON COUNTY, TEXAS

This report accompanies a map of survey dated October, 2018.



Survey area is along the northwest side of the Hall and Jones Survey, A-121, and part of the 1837 Trimble and Lindsey Survey of Galveston Island.

Background

The littoral boundary of a portion of Galveston Island State Park (GISP) was delineated along the northwest side of Galveston Island. The survey delineates various portions of the littoral boundary of the Hall & Jones Survey, Abstract 121. The purpose was to evidence “the location of the shoreline in the area depicted in this survey as that shoreline existed before commencement of erosion response activity.” The littoral boundary was last surveyed by Naismith Marine Services in October 2014 and is filed under document# 94880 as Galveston County Sketch 79. This report outlines some additional fill and artificial buildup that exists.

The surveyed portion of Galveston Island State Park is bordered by Jamaica Beach on the west, Lake Como and various tracts on the east, and F.M. 3005 on the south. The Galveston Island State Park property lies within the Trimble and Lindsey 1837 Survey – Section 3

According to laws authorized by the First Congress of the Republic of Texas, Galveston Island (except the previously granted M.B. Menard Grant) was surveyed into lots of 10 and 40 acres. The survey was carried out by R.C. Trimble and William Lindsey which is shown on the Trimble and Lindsey map of 1837. Common Law of England is applied to lands conveyed in Texas after January 20, 1840. The majority of lots were bought by Levi Jones and Edward Hall. The Hall and Jones Grant was signed by Mirabeau B. Lamar, president of the Republic of Texas, on November 28, 1840 and the boundary between state and private ownership is the Mean High Water (MHW) line (Bouse, Texas Natural Resource Code Article 33.136, Galveston County, Sketch File 47).

Survey Control

Horizontal control for this project is based on the control point ‘HGCS D 62’ - PID: AW5708, ‘H 1186 1964’ - PID: AW0621, ‘PAM 26 ARP’ – PID: DI3438, benchmarks near the survey area, and ‘1649 A 2012’ a control monument set for the Carancahua Lake Tide Gauge directly across West Galveston Bay from the project site. OPUS solutions were used to check the published coordinates of ‘HGCS D 62’ in the Texas State Plane Coordinate System, South Central Zone. Datum is NAD83, US Feet.



HGCS D 62 - PID: AW5708

Tidal Datums

MHW for this portion of West Galveston Bay was determined in June 2013 for an adjacent project along a 62 acre tract of the Hall and Jones Survey, A-121 to the southwest of Jamaica Beach, filed at the Texas GLO under Texas Natural Resource (TNR) Code Article 33.136, Galveston County, Sketch File 72. The tide gauge 'USCG Freeport' and three months of tidal observations at the tide gauge 'Carancahua Lake' were used to establish MHW for this survey. Reference to 'Carancahua Lake' was made by tying in three benchmarks; '1649 A 2012', '1649 B 2012', and '1649 C 2012'. The MHW elevation was also compared and checked to the datums established at the 'Galveston Railroad Bridge' tide gauge from the 'Pier 21' tide gauge. As referenced to this survey, the elevation of MHW on the West Galveston Bay shoreline is 0.95 feet (datum is NAVD 88, geoid 2012a).

MHW Survey

The MHW line was measured and recorded along the shoreline of West Galveston Bay along GISP, being part of the Hall & Jones Survey, A-121, surveyed by Trimble and Lindsey in 1837 and signed to Hall & Jones November 28, 1840, the effective date of the grant. The 2018 survey was conducted October 15-18, 2018. A previous littoral boundary survey was completed by Naismith Marine Services (NMS) on September 15 – 19, 2014 by James M. Naismith, LSLS. The 2014 littoral boundary was filed by Texas GLO (GLO) as document# 94880 as Galveston County Sketch 79. Due to artificial fill, State/private ownership along the littoral boundary of GISP, (GCPR vol 2119 Pg 392), was held at the Mean Higher High Water (MHHW) line shown on the TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999. The project area is composed of mostly clay, silt, and sand. In most areas it is heavily vegetated. Upland tract owners are shown on the accompanying map based on Galveston County Public Records (GCPR) and Galveston County appraisal district maps. Tracts were drawn based on observed boundary corners on the ground.



Above: typical vegetated shoreline along GISP

This survey does not represent a property boundary survey for any of the upland tracts.

State lease tracts were drawn from GLO map 'East Part of West Bay & S-W Part of Galveston Bay' "Galveston County Showing Subdivision for Mineral Development – General Land Office – Austin, Texas. Bob Armstrong, Commissioner April 1963" (2003_1906.tif).

Artificial fill and submerged private land

Artificial fill, artificial buildup, and rock and geotube breakwaters exist at the project location between the northeast line of Jamaica Beach Subdivision and the northeast end of Galveston Island State Park.

According to Google Earth historical imagery and aerial photography taken July 2017 (NMS), a series of marsh mounds were completed from 2010 to 2011 along the West Galveston Bay shoreline at the State Park with more mounds completed in 2017. Marsh mounds were completed in 2017 under CEPRA project #1601. Portions of existing artificial fill boundaries were held from the 2014 NMS littoral boundary survey (GLO document# 94880, Galveston County Sketch 79). Artificial fill boundaries were extended to represent fill areas out to current toe of fill.

The GISP shoreline along West Galveston Bay was determined to contain artificial buildup as a result of erosive distribution of marsh restoration materials from adjacent marsh mound building sites (updated 2018). The State Park shoreline has since accreted from between 0 to 260 feet beyond the MHHW line depicted in TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999.

Galveston Island State Park – Tract 1

Field Notes for the littoral boundary along the West Galveston Bay shoreline of the called 1,950.57 acre tract described in volume 2119 page 392 of the GCPR, being part of the Hall & Jones Survey, A-121, surveyed by Trimble and Lindsey in 1837 and signed to Hall & Jones November 28, 1840, the effective date of the grant. The boundary is adjacent to State Tracts 66 and 67 in West Galveston Bay, Galveston County, Texas. Bearings, distances, and coordinates are grid, Texas State Plane Coordinate System, South Central Zone, North American Datum of 1983, US Feet.

Beginning at a found submerged TPWD concrete monument on the east edge of a drainage channel of varying width (approx. 10' to 14'), N: 13,639,739.00, E: 3,251,624.24, from which "HGCS D 62" bears N 64°24'13" E a distance of 13,860.32' (4,989.71v);

thence N 38°53'14" E along MHHW line shown on TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999 a distance of 6.4' (2.3v) and for the following calls;

thence N 52°25'25" E a distance of 40.95' (14.74v);
thence N 01°38'48" W a distance of 117.94' (42.46v);
thence N 82°37'53" E a distance of 69.40' (24.98v);
thence S 78°47'18" E a distance of 62.61' (22.54v);
thence S 55°41'08" E a distance of 94.25' (33.93v);
thence N 83°51'56" E a distance of 72.14' (25.97v);
thence N 63°26'46" E a distance of 80.04' (28.81v);
thence N 06°25'31" W a distance of 61.86' (22.27v);
thence N 29°02'12" W a distance of 47.96' (17.27v);
thence N 52°48'40" W a distance of 73.94' (26.62v);
thence N 15°14'01" W a distance of 63.34' (22.80v);
thence N 65°11'00" E a distance of 138.74' (49.95v);
thence N 13°14'45" W a distance of 96.32' (34.68v);
thence N 78°16'06" W a distance of 125.44' (45.16v);
thence N 38°58'50" W a distance of 44.40' (15.98v);
thence N 23°54'56" W a distance of 260.71' (93.86v);
thence N 25°47'39" E a distance of 139.83' (50.34v);
thence N 76°02'28" E a distance of 92.08' (33.15v);
thence S 73°56'45" E a distance of 99.25' (35.73v);
thence N 86°59'21" E a distance of 109.79' (39.52v);
thence N 12°46'51" W a distance of 189.94' (68.38v);
thence N 84°25'01" E a distance of 60.69' (21.85v);
thence S 59°59'14" E a distance of 53.95' (19.42v);
thence S 19°41'29" E a distance of 48.96' (17.63v);
thence S 20°06'41" W a distance of 107.47' (38.69v);
thence S 54°59'10" E a distance of 88.71' (31.94v);
thence N 67°49'54" E a distance of 151.07' (54.39v);

thence N 03°51'39" W a distance of 63.95' (23.02v);
thence N 52°08'48" E a distance of 59.99' (21.6v);
thence N 78°46'48" E a distance of 92.80' (33.41v);
thence S 81°13'18" E a distance of 102.51' (36.90v);
thence N 62°25'13" E a distance of 122.21' (44.00v);
thence N 03°33'08" E a distance of 89.40' (32.18v);
thence N 35°32'40" W a distance of 196.62' (70.78v);
thence N 46°58'17" W a distance of 51.58' (18.57v);
thence N 33°29'56" W a distance of 59.78' (21.52v);
thence N 33°04'57" E a distance of 19.27' (6.94v);
thence S 84°31'38" E a distance of 62.52' (22.51v);
thence S 68°28'56" E a distance of 46.79' (16.84v);
thence S 47°22'29" E a distance of 72.15' (25.97v);
thence S 32°54'15" E a distance of 183.70' (66.13v);
thence S 79°21'08" E a distance of 118.49' (42.66v);
thence S 69°10'21" E a distance of 79.02' (28.45v);
thence S 46°06'53" E a distance of 93.48' (33.65v);
thence S 63°50'28" E a distance of 130.00' (46.80v);
thence S 54°15'36" E a distance of 92.74' (33.39v);
thence S 49°06'30" E a distance of 251.86' (90.67v);
thence S 49°18'39" E a distance of 463.12' (166.72v);
thence S 38°09'47" E a distance of 89.42' (32.19v);
thence S 78°17'43" E a distance of 152.35' (54.85v);
thence N 61°15'20" E a distance of 89.54' (32.23v);
thence N 27°14'17" E a distance of 165.28' (59.5v);
thence N 23°28'36" E a distance of 125.88' (45.32v);
thence N 66°07'34" W a distance of 76.92' (27.69v);
thence N 48°03'55" W a distance of 138.76' (49.95v);
thence S 61°56'04" W a distance of 90.45' (32.56v);
thence N 60°59'16" W a distance of 91.15' (32.81v);
thence N 51°24'31" W a distance of 138.23' (49.76v);
thence N 41°01'45" W a distance of 236.80' (85.25v);
thence N 73°20'35" E a distance of 66.68' (24.00v);
thence N 03°24'09" W a distance of 33.75' (12.15v);
thence N 69°53'16" W a distance of 39.30' (14.15v);
thence S 54°17'52" W a distance of 42.29' (15.22v);
thence N 62°26'38" W a distance of 56.85' (20.47v);
thence N 32°45'08" W a distance of 131.36' (47.29v);
thence N 18°19'17" W a distance of 86.02' (30.97v);
thence N 39°14'36" E a distance of 31.26' (11.25v);
thence N 70°12'14" E a distance of 134.44' (48.4v);
thence N 68°31'22" W a distance of 120.85' (43.51v);
thence N 77°38'04" W a distance of 69.68' (25.08v);
thence N 34°05'06" W a distance of 58.74' (21.15v);

thence S 75°17'59" W a distance of 94.52' (34.03v);
thence S 00°53'37" W a distance of 101.94' (36.70v);
thence N 66°02'16" W a distance of 23.73' (8.54v);
thence N 32°30'13" W a distance of 104.82' (37.74v);
thence N 61°55'38" W a distance of 113.30' (40.79v);
thence N 67°18'21" W a distance of 185.59' (66.81v);
thence S 89°23'47" W a distance of 60.45' (21.76v);
thence N 59°14'09" W a distance of 96.17' (34.62v);
thence N 77°11'49" W a distance of 143.17' (51.54v);
thence N 72°00'15" W a distance of 149.43' (53.79v);
thence N 88°25'48" W a distance of 94.61' (34.06v);
thence N 72°27'13" W a distance of 167.09' (60.15v);
thence N 85°33'46" W a distance of 82.45' (29.68v);
thence N 49°46'22" W a distance of 134.81' (48.53v);
thence N 89°02'26" W a distance of 189.55' (68.24v);
thence N 79°10'09" W a distance of 67.79' (24.40v);
thence N 61°05'08" W a distance of 51.93' (18.69v);
thence N 56°06'43" W a distance of 72.88' (26.24v);
thence N 64°26'35" W a distance of 113.97' (41.03v);
thence N 28°36'38" E a distance of 50.98' (18.35v);
thence N 56°26'41" E a distance of 119.68' (43.08v);
thence S 43°53'24" E a distance of 67.53' (24.31v);
thence S 01°21'46" W a distance of 65.10' (23.44v);
thence S 49°48'31" E a distance of 173.47' (62.45v);
thence N 83°32'54" E a distance of 145.86' (52.51v);
thence N 00°09'49" E a distance of 59.46' (21.41v);
thence N 64°43'52" W a distance of 69.96' (25.19v);
thence N 24°18'16" W a distance of 138.34' (49.8v);
thence N 44°23'07" E a distance of 18.61' (6.70v);
thence S 43°16'15" E a distance of 166.06' (59.78v);
thence S 59°46'02" E a distance of 135.38' (48.74v);
thence S 64°47'41" E a distance of 293.36' (105.61v);
thence N 80°53'58" E a distance of 335.67' (120.84v);
thence S 65°25'30" E a distance of 145.23' (52.28v);
thence S 50°21'00" E a distance of 154.76' (55.71v);
thence S 23°21'33" E a distance of 144.13' (51.89v);
thence S 66°07'23" E a distance of 205.40' (73.94v);
thence N 54°51'14" E a distance of 65.56' (23.60v);
thence N 80°26'49" E a distance of 97.70' (35.17v);
thence N 75°35'57" E a distance of 241.05' (86.78v);
thence N 43°15'52" E a distance of 125.55' (45.20v);
thence N 80°29'48" E a distance of 243.87' (87.79v);
thence N 28°28'05" W a distance of 132.31' (47.63v);
thence N 37°33'37" E a distance of 23.71' (8.54v);

thence S 66°26'20" E a distance of 266.26' (95.85v);
thence S 64°10'31" E a distance of 392.79' (141.40v);
thence N 77°53'05" E a distance of 88.52' (31.87v);
thence S 26°53'06" E a distance of 132.67' (47.76v);
thence N 20°42'50" E a distance of 141.31' (50.87v);
thence S 86°20'19" E a distance of 119.08' (42.87v);
thence S 76°28'14" E a distance of 249.22' (89.72v);
thence S 40°48'06" W a distance of 113.02' (40.69v);
thence S 15°04'49" E a distance of 22.24' (8.01v);
thence N 80°10'02" E a distance of 72.50' (26.10v);
thence S 09°34'17" E a distance of 128.92' (46.41v);
thence S 06°50'06" E a distance of 198.16' (71.34v);
thence N 67°08'31" E a distance of 355.23' (127.88v);
thence N 45°22'25" E a distance of 244.67' (88.08v);
thence N 48°03'15" E a distance of 131.53' (47.35v);
thence N 34°46'13" W a distance of 81.97' (29.51v);
thence S 87°45'22" W a distance of 153.06' (55.10v);
thence S 76°53'13" W a distance of 119.65' (43.07v);
thence N 75°46'36" W a distance of 85.57' (30.81v);
thence N 32°33'17" W a distance of 71.22' (25.64v);
thence S 81°00'28" W a distance of 66.07' (23.79v);
thence N 04°58'06" E a distance of 30.25' (10.89v);
thence N 42°18'20" W a distance of 29.18' (10.5v);
thence S 46°34'29" W a distance of 92.13' (33.17v);
thence N 24°10'21" W a distance of 98.95' (35.62v);
thence N 58°13'32" W a distance of 213.43' (76.83v);
thence S 88°06'11" W a distance of 118.75' (42.75v);
thence N 82°04'57" W a distance of 190.13' (68.45v);
thence N 78°33'07" W a distance of 150.02' (54.01v);
thence N 63°23'26" W a distance of 342.40' (123.26v);
thence N 71°21'48" W a distance of 156.33' (56.28v);
thence N 64°46'35" W a distance of 86.64' (31.19v);
thence N 89°54'39" W a distance of 129.31' (46.55v);
thence S 67°38'14" W a distance of 213.49' (76.86v);
thence N 87°17'31" W a distance of 104.04' (37.45v);
thence N 52°35'10" W a distance of 61.41' (22.11v);
thence N 27°25'49" W a distance of 33.45' (12.04v);
thence N 76°17'44" W a distance of 215.40' (77.54v);
thence N 57°21'42" W a distance of 136.22' (49.04v);
thence N 75°47'58" W a distance of 174.90' (62.96v);
thence N 30°16'15" E a distance of 80.69' (29.05v);
thence N 78°23'11" E a distance of 110.62' (39.82v);
thence N 79°50'21" E a distance of 167.65' (60.35v);
thence N 55°22'30" E a distance of 78.99' (28.44v);

thence S 81°55'01" E a distance of 216.46' (77.93v);
thence S 56°37'28" E a distance of 100.5' (36.18v);
thence N 85°40'53" E a distance of 75.05' (27.02v);
thence S 68°25'26" E a distance of 85.81' (30.89v);
thence S 87°01'06" E a distance of 215.14' (77.45v);
thence N 60°14'46" E a distance of 122.05' (43.94v);
thence S 78°19'47" E a distance of 120.51' (43.38v);
thence N 70°45'31" E a distance of 152.00' (54.72v);
thence S 54°30'07" E a distance of 89.35' (32.17v);
thence S 05°27'10" W a distance of 81.58' (29.37v);
thence S 17°31'38" E a distance of 114.19' (41.11v);
thence S 82°25'23" E a distance of 72.82' (26.22v);
thence N 16°21'28" W a distance of 124.25' (44.73v);
thence N 32°27'18" E a distance of 112.32' (40.44v);
thence N 52°11'17" E a distance of 42.50' (15.30v);
thence S 71°45'51" E a distance of 109.99' (39.60v);
thence N 21°29'11" E a distance of 90.32' (32.52v);
thence S 89°29'03" E a distance of 166.07' (59.79v);
thence N 28°05'56" E a distance of 31.42' (11.31v);
thence S 78°36'29" E a distance of 81.88' (29.48v);
thence N 36°32'22" W a distance of 177.31' (63.83v);
thence N 73°11'31" E a distance of 117.24' (42.21v);
thence N 77°17'31" E a distance of 126.6' (45.58v);
thence N 17°39'35" E a distance of 96.9' (34.88v);
thence S 83°15'23" E a distance of 52.29' (18.82v);
thence N 78°24'18" E a distance of 157.49' (56.7v);
thence N 37°28'50" E a distance of 56.25' (20.25v);
thence N 68°03'06" E a distance of 111.88' (40.28v);
thence N 36°58'59" E a distance of 150.48' (54.17v);
thence N 30°36'48" E a distance of 136.32' (49.08v);
thence N 73°26'52" E a distance of 183.23' (65.96v);
thence N 50°29'33" W a distance of 118.69' (42.73v);
thence S 88°35'45" W a distance of 136.54' (49.15v);
thence N 75°47'55" W a distance of 69.82' (25.14v);
thence N 13°23'55" W a distance of 32.18' (11.58v);
thence N 42°51'11" W a distance of 143.91' (51.81v);
thence S 62°15'02" W a distance of 130.5' (46.98v);
thence S 76°08'12" W a distance of 78.03' (28.09v);
thence N 77°47'05" W a distance of 128.17' (46.14v);
thence N 38°13'55" W a distance of 121.21' (43.64v);
thence N 33°29'23" E a distance of 41.63' (14.99v);
thence N 57°19'27" E a distance of 42.84' (15.42v);
thence N 72°49'55" E a distance of 68.88' (24.80v);
thence N 38°42'55" W a distance of 172.29' (62.02v);

thence N 00°21'58" E a distance of 74.65' (26.87v);
thence N 86°33'53" E a distance of 14.01' (5.04v);
thence S 00°34'05" W a distance of 19.64' (7.07v);
thence S 50°57'35" E a distance of 19.77' (7.12v);
thence N 65°23'00" E a distance of 129.20' (46.51v);
thence N 81°04'46" E a distance of 50.91' (18.33v);
thence S 89°35'09" E a distance of 68.16' (24.54v);
thence N 80°51'13" E a distance of 217.64' (78.35v);
thence N 21°14'11" E a distance of 63.41' (22.83v);
thence N 58°34'19" W a distance of 144.47' (52.01v);
thence S 47°31'51" W a distance of 76.26' (27.45v);
thence N 80°03'22" W a distance of 142.85' (51.43v);
thence N 57°29'16" W a distance of 48.16' (17.34v);
thence N 27°32'50" E a distance of 34.40' (12.38v);
thence S 85°05'48" E a distance of 73.92' (26.61v);
thence S 68°16'12" E a distance of 61.68' (22.20v);
thence N 29°47'34" E a distance of 60.60' (21.82v);
thence N 54°33'38" E a distance of 47.82' (17.22v);
thence N 75°46'07" E a distance of 141.88' (51.08v);
thence N 37°51'11" W a distance of 81.65' (29.39v);
thence N 64°55'37" W a distance of 202.11' (72.76v);
thence S 80°38'49" W a distance of 188.02' (67.69v);
thence N 28°04'19" W a distance of 69.33' (24.96v);
thence N 69°30'07" W a distance of 74.92' (26.97v);
thence N 44°26'29" E a distance of 58.01' (20.88v);
thence S 89°51'35" E a distance of 81.65' (29.39v);
thence N 27°54'04" W a distance of 103.01' (37.08v);
thence N 42°16'14" W a distance of 62.21' (22.4v);
thence N 25°36'42" E a distance of 55.76' (20.07v);
thence N 63°19'17" E a distance of 86.26' (31.05v);
thence N 25°29'17" W a distance of 64.33' (23.16v);
thence N 52°06'02" E a distance of 52.51' (18.90v);
thence S 56°47'58" E a distance of 76.06' (27.38v);
thence S 89°14'41" E a distance of 74.70' (26.89v);
thence S 61°12'43" E a distance of 239.42' (86.19v);
thence S 62°02'32" E a distance of 249.97' (89.99v);
thence S 73°19'40" E a distance of 142.64' (51.35v);
thence S 73°24'35" E a distance of 189.38' (68.18v);
thence S 58°28'32" E a distance of 125.93' (45.33v);
thence S 41°56'23" E a distance of 129.73' (46.70v);
thence S 33°57'11" E a distance of 228.17' (82.14v);
thence S 32°47'49" E a distance of 157.18' (56.58v);
thence S 16°51'05" E a distance of 51.15' (18.41v);
thence S 79°43'13" W a distance of 83.49' (30.06v);

thence S 80°35'56" W a distance of 301.85' (108.67v);
thence S 74°29'29" W a distance of 308.79' (111.16v);
thence S 66°00'20" W a distance of 141.72' (51.02v);
thence S 46°47'31" E a distance of 51.89' (18.68v);
thence S 09°39'03" E a distance of 62.21' (22.40v);
thence S 49°11'24" E a distance of 88.74' (31.95v);
thence N 71°37'31" E a distance of 142.69' (51.37v);
thence N 38°25'26" E a distance of 28.44' (10.24v);
thence N 65°00'05" E a distance of 155.47' (55.97v);
thence S 87°52'51" E a distance of 101.19' (36.43v);
thence N 68°10'54" E a distance of 86.10' (31.00v);
thence N 86°08'07" E a distance of 100.09' (36.03v);
thence S 62°02'11" E a distance of 129.94' (46.78v);
thence N 72°55'48" E a distance of 102.71' (36.98v);
thence N 08°50'38" E a distance of 66.99' (24.12v);
thence S 79°15'06" E a distance of 148.94' (53.62v);
thence S 57°52'02" E a distance of 296.48' (106.73v);
thence S 50°27'41" E a distance of 169.82' (61.14v);
thence N 64°31'16" E a distance of 454.95' (163.78v);
thence N 52°44'20" W a distance of 350.41' (126.15v);
thence N 68°12'17" W a distance of 252.52' (90.91v);
thence N 40°45'43" W a distance of 445.09' (160.23v);
thence N 27°36'27" W a distance of 135.03' (48.61v);
thence N 49°21'17" W a distance of 240.18' (86.46v);
thence N 80°14'49" W a distance of 95.57' (34.41v);
thence N 46°42'09" W a distance of 160.72' (57.86v);
thence N 49°03'45" W a distance of 154.51' (55.62v);
thence N 62°37'25" W a distance of 216.45' (77.92v);
thence N 70°39'38" W a distance of 232.47' (83.69v);
thence N 65°27'06" W a distance of 253.31' (91.19v);
thence N 60°24'22" W a distance of 355.01' (127.8v);
thence N 65°09'21" W a distance of 218.16' (78.54v);
thence N 60°22'46" W a distance of 120.96' (43.55v);
thence N 53°16'02" W a distance of 90.35' (32.53v);
thence N 63°55'14" W a distance of 437.78' (157.60v);
thence N 69°41'00" W a distance of 255.50' (91.98v);
thence N 57°07'06" W a distance of 164.51' (59.22v);
thence N 66°01'39" W a distance of 489.82' (176.34v);
thence N 50°37'05" W a distance of 244.39' (87.98v);
thence N 34°21'49" W a distance of 41.54' (14.95v);
thence N 38°21'46" E a distance of 47.29' (17.02v);
thence S 64°16'22" E a distance of 278.99' (100.44v);
thence S 70°38'25" E a distance of 290.98' (104.75v);
thence S 60°54'13" E a distance of 305.80' (110.09v);

thence S 65°19'10" E a distance of 182.34' (65.64v);
thence S 66°30'04" E a distance of 113.94' (41.02v);
thence S 35°04'08" E a distance of 133.23' (47.96v);
thence S 66°47'40" E a distance of 196.77' (70.84v);
thence S 70°32'50" E a distance of 431.09' (155.19v);
thence S 82°23'59" E a distance of 225.69' (81.25v);
thence S 64°03'14" E a distance of 145.00' (52.2v);
thence N 04°52'07" W a distance of 82.84' (29.82v);
thence N 12°44'51" E a distance of 49.75' (17.91v);
thence N 77°00'56" E a distance of 62.12' (22.36v);
thence S 38°16'34" E a distance of 153.17' (55.14v);
thence S 89°05'50" E a distance of 157.62' (56.74v);
thence N 04°23'22" W a distance of 86.47' (31.13v);
thence N 46°40'52" W a distance of 128.23' (46.16v);
thence N 57°52'50" E a distance of 24.93' (8.97v);
thence S 50°26'29" E a distance of 97.96' (35.27v);
thence S 89°51'58" E a distance of 51.20' (18.43v);
thence S 51°29'20" E a distance of 313.27' (112.78v);
thence S 84°37'38" E a distance of 149.79' (53.92v);
thence S 69°57'31" E a distance of 143.28' (51.58v);
thence S 62°46'51" E a distance of 155.53' (55.99v);
thence N 42°27'39" E a distance of 280.41' (100.95v);
thence N 40°48'07" W a distance of 55.87' (20.11v);
thence N 35°24'58" W a distance of 154.91' (55.77v);
thence N 50°07'16" W a distance of 130.54' (46.99v);
thence S 79°56'16" W a distance of 28.50' (10.26v);
thence N 55°07'55" W a distance of 127.64' (45.95v);
thence N 21°17'24" W a distance of 41.89' (15.08v);
thence N 58°53'18" W a distance of 33.47' (12.05v);
thence S 60°21'57" W a distance of 45.73' (16.46v);
thence N 42°36'57" W a distance of 35.38' (12.74v);
thence N 06°52'07" E a distance of 46.78' (16.84v);
thence N 75°51'13" E a distance of 50.10' (18.04v);
thence S 66°08'01" E a distance of 126.83' (45.66v);
thence S 29°49'27" E a distance of 45.49' (16.38v);
thence S 72°18'24" E a distance of 149.11' (53.68v);
thence S 41°17'21" E a distance of 70.50' (25.38v);
thence S 15°50'44" E a distance of 94.58' (34.05v);
thence S 84°34'53" E a distance of 82.93' (29.85v);
thence S 22°41'32" E a distance of 67.48' (24.29v);
thence S 58°28'55" E a distance of 51.90' (18.68v);
thence S 47°59'07" E a distance of 143.27' (51.58v);
thence S 35°23'53" E a distance of 318.14' (114.53v);
thence S 24°02'20" E a distance of 399.51' (143.82v);

thence S 22°08'49" E a distance of 145.84' (52.50v);
thence S 16°34'23" E a distance of 425.85' (153.31v);
thence S 18°00'31" E a distance of 161.40' (58.10v);
thence S 40°58'54" W a distance of 180.93' (65.13v);
thence S 44°35'20" E a distance of 283.16' (101.94v);
thence N 63°59'20" E a distance of 300.05' (108.02v);
thence N 62°49'15" E a distance of 246.11' (88.60v);
thence N 45°56'47" E a distance of 157.78' (56.80v);
thence N 24°22'01" W a distance of 146.64' (52.79v);
thence S 87°10'06" W a distance of 162.02' (58.33v);
thence N 06°15'21" W a distance of 102.93' (37.05v);
thence S 89°25'01" E a distance of 54.01' (19.44v);
thence N 02°49'36" W a distance of 171.25' (61.65v);
thence N 73°32'12" W a distance of 117.93' (42.45v);
thence N 11°38'57" W a distance of 210.61' (75.82v);
thence N 20°21'50" W a distance of 199.65' (71.87v);
thence N 08°42'19" W a distance of 205.07' (73.83v);
thence N 24°57'41" W a distance of 450.65' (162.23v);
thence N 46°06'14" W a distance of 171.68' (61.80v);
thence N 21°51'57" W a distance of 152.51' (54.90v);
thence N 52°18'54" W a distance of 195.20' (70.27v);
thence N 74°49'49" W a distance of 169.68' (61.08v);
thence N 85°53'52" W a distance of 165.33' (59.52v);
thence N 55°46'41" W a distance of 141.04' (50.77v);
thence N 49°20'29" W a distance of 109.27' (39.34v);
thence N 76°52'31" W a distance of 288.31' (103.79v);
thence N 66°18'51" W a distance of 213.03' (76.69v);
thence N 71°09'00" W a distance of 138.55' (49.88v);
thence N 56°07'49" W a distance of 71.55' (25.76v);
thence N 88°48'15" W a distance of 131.11' (47.2v);
thence S 75°31'20" W a distance of 57.67' (20.76v);
thence N 65°27'44" W a distance of 40.20' (14.47v);
thence N 63°10'28" W a distance of 114.18' (41.10v);
thence N 75°50'02" W a distance of 119.82' (43.14v);
thence N 46°40'50" W a distance of 57.92' (20.85v);
thence S 76°02'01" E a distance of 293.60' (105.70v);
thence N 21°50'48" W a distance of 160.62' (57.82v);
thence N 45°01'10" W a distance of 58.63' (21.11v);
thence N 21°48'36" W a distance of 86.78' (31.24v);
thence S 67°11'48" E a distance of 43.29' (15.58v);
thence S 50°56'57" E a distance of 90.4' (32.54v);
thence N 87°33'14" E a distance of 57.48' (20.69v);
thence S 68°07'57" E a distance of 197.93' (71.25v);
thence N 87°21'38" E a distance of 193.56' (69.68v);

thence S 61°48'59" E a distance of 102.86' (37.03v);
thence N 66°47'22" E a distance of 58.20' (20.95v);
thence S 45°11'42" E a distance of 56.11' (20.20v);
thence N 80°55'49" E a distance of 73.28' (26.38v);
thence S 21°45'12" E a distance of 92.22' (33.20v);
thence S 86°20'33" E a distance of 109.28' (39.34v);
thence S 47°17'09" E a distance of 134.80' (48.53v);
thence S 50°00'36" E a distance of 133.34' (48.00v);
thence S 67°00'18" E a distance of 198.57' (71.49v);
thence S 47°53'26" E a distance of 153.55' (55.28v);
thence S 46°58'30" E a distance of 295.35' (106.33v);
thence S 48°04'27" E a distance of 122.56' (44.12v);
thence S 30°18'04" E a distance of 149.87' (53.95v);
thence S 44°00'19" E a distance of 118.49' (42.66v);
thence S 61°44'45" E a distance of 353.77' (127.36v);
thence N 45°30'32" E a distance of 126.27' (45.46v);
thence N 09°51'45" W a distance of 170.89' (61.52v);
thence N 58°42'12" E a distance of 158.07' (56.91v);
thence N 14°05'04" E a distance of 197.49' (71.10v);
thence N 54°55'55" W a distance of 180.79' (65.08v);
thence N 28°22'33" W a distance of 99.25' (35.73v);
thence N 39°29'03" E a distance of 32.03' (11.53v);
thence S 86°45'17" E a distance of 99.91' (35.97v);
thence N 16°08'35" E a distance of 122.70' (44.17v);
thence N 66°53'34" W a distance of 119.43' (42.99v);
thence N 60°21'23" W a distance of 111.26' (40.05v);
thence N 04°40'00" W a distance of 25.32' (9.12v);
thence N 74°39'01" E a distance of 58.98' (21.23v);
thence N 27°07'01" E a distance of 123.00' (44.28v);
thence N 09°11'31" E a distance of 195.65' (70.43v);
thence N 05°05'53" W a distance of 33.58' (12.09v);
thence N 40°37'29" E a distance of 131.21' (47.24v);
thence N 28°01'46" E a distance of 94.44' (34.00v);
thence N 42°09'39" W a distance of 40.67' (14.64v);
thence N 41°22'32" W a distance of 30.14' (10.85v);
thence N 19°16'32" E a distance of 30.39' (10.94v);
thence N 58°27'25" E a distance of 191.56' (68.96v);
thence N 62°28'05" E a distance of 89.54' (32.23v);
thence N 27°04'23" E a distance of 131.38' (47.30v);
thence N 66°39'21" E a distance of 85.76' (30.87v);
thence N 18°06'54" W a distance of 82.34' (29.64v);
thence N 07°02'47" E a distance of 72.48' (26.09v);
thence N 26°57'30" E a distance of 116.39' (41.90v);
thence N 56°20'50" E a distance of 57.37' (20.65v);

thence N 44°00'00" E a distance of 43.67' (15.72v);
thence N 23°03'13" W a distance of 92.78' (33.40v);
thence N 13°17'47" W a distance of 184.17' (66.30v);
thence N 42°57'09" E a distance of 20.71' (7.46v);
thence S 89°17'51" E a distance of 26.96' (9.71v);
thence S 38°17'01" E a distance of 87.38' (31.46v);
thence S 66°46'25" E a distance of 63.31' (22.79v);
thence S 80°24'03" E a distance of 114.97' (41.39v);
thence N 18°06'14" E a distance of 115.99' (41.76v);
thence S 57°58'32" E a distance of 40.92' (14.73v);
thence N 23°18'24" E a distance of 62.56' (22.52v);
thence N 26°47'27" W a distance of 75.52' (27.19v);
thence N 78°31'45" W a distance of 83.99' (30.24v);
thence N 53°37'32" W a distance of 67.69' (24.37v);
thence N 68°49'50" E a distance of 43.61' (15.70v);
thence S 69°29'24" E a distance of 51.44' (18.52v);
thence S 71°58'21" E a distance of 47.94' (17.26v);
thence N 44°21'32" E a distance of 77.37' (27.85v);
thence N 78°18'13" E a distance of 48.78' (17.56v);
thence S 40°49'51" E a distance of 53.95' (19.42v);
thence S 22°23'57" E a distance of 43.71' (15.74v);
thence S 32°38'21" E a distance of 64.41' (23.19v);

to the **end** point, N: 13,647,471.44 , E: 3,259,066.20 from which "HGCS D 62" bears S 70°58'20"
E a distance of 5,350.46' (1,926.16v).

GISP Islands – various Isolated Trimble and Lindsey Tracts

Field Notes for the littoral boundary of multiple islands (isolated uplands), being part of the Hall & Jones Survey, A-121, surveyed by Trimble and Lindsey in 1837 and signed to Hall & Jones November 28, 1840, the effective date of the grant. The boundaries are adjacent to State Tract 67 & 66 in West Galveston Bay, Galveston County, Texas. Bearings, distances, and coordinates are grid, Texas State Plane Coordinate System, South Central Zone, North American Datum of 1983, US Feet.

TRACT 1A

Beginning at a point along the MHW line of West Galveston Bay, N: 13,644,554.13, E: 3,254,832.37, from which "HGCS D 62" bears N 82°48'20" E a distance of 9,365.68' (3,371.64v);
thence S 18°22'38" W along the MHW line of West Galveston Bay a distance of 20.71' (7.46v)
and for the following calls;
thence N 80°45'08" W a distance of 135.90' (48.92v);
thence N 62°38'38" W a distance of 169.63' (61.07v);
thence N 34°33'51" W a distance of 90.48' (32.57v);
thence N 75°46'10" E a distance of 39.26' (14.13v);
thence S 75°28'27" E a distance of 38.00' (13.68v);
thence S 63°53'18" E a distance of 211.01' (75.96v);
thence S 51°41'27" E a distance of 99.85' (35.95v);

which is the **point of beginning**, containing 23,900 sq ft or 0.6 acres.

TRACT 1B

Beginning at a point along the MHW line of West Galveston Bay, N: 13,644,983.01, E: 3,253,915.82, from which "HGCS D 62" bears N 85°49'53" E a distance of 10,235.57' (3,684.81v);
thence S 22°06'56" W along the MHW line of West Galveston Bay a distance of 27.94' (10.06v)
and for the following calls;
thence N 80°27'10" W a distance of 118.53' (42.67v);
thence N 61°11'55" W a distance of 204.97' (73.79v);
thence N 82°57'42" W a distance of 145.67' (52.44v);
thence N 46°17'28" W a distance of 166.7' (60.01v);
thence N 33°11'58" W a distance of 55.99' (20.16v);
thence N 71°52'23" W a distance of 130.21' (46.88v);
thence N 53°56'26" W a distance of 56.1' (20.2v);
thence N 44°03'00" W a distance of 80.77' (29.08v);
thence N 88°09'47" W a distance of 57.4' (20.66v);
thence N 28°19'49" W a distance of 41.38' (14.9v);
thence N 87°27'43" W a distance of 93.04' (33.49v);
thence N 49°30'54" W a distance of 102.09' (36.75v);
thence N 74°56'34" W a distance of 307.76' (110.79v);

thence N 38°03'17" E a distance of 46.72' (16.82v);
thence N 65°00'50" E a distance of 71.78' (25.84v);
thence S 80°47'21" E a distance of 87.34' (31.44v);
thence S 54°23'32" E a distance of 222.16' (79.98v);
thence S 61°58'46" E a distance of 307.48' (110.69v);
thence S 62°44'38" E a distance of 384.77' (138.52v);
thence S 56°11'49" E a distance of 198.3' (71.39v);
thence S 69°56'10" E a distance of 248.96' (89.62v);

which is the **point of beginning**, containing 76,700 sq ft or 1.8 acres.

TRACT 1C

Beginning at a point along the MHW line of West Galveston Bay, N: 13,646,219.08 , E: 3,253,126.44, from which "HGCS D 62" bears S 87°26'18" E a distance of 11,008.87' (3,963.19v);

thence S 01°22'12" E along the MHW line of West Galveston Bay a distance of 90.39' (32.54v) and for the following calls;

thence S 37°43'10" W a distance of 167.65' (60.35v);
thence S 32°50'56" E a distance of 163.13' (58.73v);
thence S 56°54'10" W a distance of 45.25' (16.29v);
thence N 66°12'33" W a distance of 496.68' (178.8v);
thence N 58°57'01" W a distance of 337.74' (121.59v);
thence N 39°58'00" E a distance of 141.58' (50.97v);
thence N 60°31'29" E a distance of 148.54' (53.47v);
thence S 73°25'03" E a distance of 239.49' (86.22v);
thence S 51°12'27" W a distance of 97.59' (35.13v);
thence S 29°13'32" E a distance of 160.47' (57.77v);
thence N 36°43'32" E a distance of 314.44' (113.2v);
thence S 44°55'38" E a distance of 217.41' (78.27v);

which is the **point of beginning**, containing 224,000 sq ft or 5.1 acres.

West Galveston Bay - Artificial Fill and accretion at breakwaters
Field Notes of artificial fill as previous marsh restoration projects

Field Notes for artificial fill along the West Galveston Bay shoreline of the 1,950.57 acre tract described in volume 2119 page 392 of the GCPR, being part of the Hall & Jones Survey, A-121, surveyed by Trimble and Lindsey in 1837 and signed to Hall & Jones November 28, 1840, the effective date of the grant. The boundary is adjacent to State Tracts 66 and 67 in West Galveston Bay, Galveston County, Texas. Bearings, distances, and coordinates are grid, Texas Coordinate System, South Central Zone, North American Datum of 1983, US Feet.

TRACT 4

Beginning at a point along the existing toe of fill as evidenced by 2005-2017 aerial photography, N: 13,641,632.25, E: 3,250,929.28, from which "HGCS D 62" bears N 72°48'06" E a distance of 12,805.01' (4,609.80v);

thence S 63°01'56"W along toe of existing artificial fill a distance of 74.30' (26.75v) and for the following calls;

thence N 82°35'48"W a distance of 39.76' (14.31v);
thence N 53°51'53"W a distance of 75.89' (27.32v);
thence S 56°00'37"W a distance of 72.00' (25.92v);
thence S 78°07'19"W a distance of 75.35' (27.13v);
thence N 74°33'46"W a distance of 120.62' (43.42v);
thence N 41°18'35"W a distance of 46.48' (16.73v);
thence S 83°56'26"W a distance of 44.15' (15.89v);
thence N 80°22'45"W a distance of 119.00' (42.84v);
thence N 32°56'08"W a distance of 59.02' (21.25v);
thence N 85°53'36"W a distance of 115.26' (41.49v);
thence N 53°01'51"W a distance of 75.78' (27.28v);
thence N 16°49'41"E a distance of 88.68' (31.92v);
thence N 04°19'31"W a distance of 87.00' (31.32v);
thence N 52°26'33"W a distance of 40.41' (14.55v);
thence S 78°50'32"W a distance of 140.61' (50.62v);
thence N 27°04'47"W a distance of 68.05' (24.50v);
thence N 74°48'06"W a distance of 157.74' (56.79v);
thence S 37°06'19"E a distance of 425.10' (153.04v);
thence S 27°00'12"W a distance of 179.11' (64.48v);
thence S 53°21'46"W a distance of 92.60' (33.34v);
thence S 35°54'13"E a distance of 128.57' (46.29v);
thence S 09°36'25"E a distance of 68.57' (24.69v);
thence S 63°06'53"W a distance of 132.99' (47.88v);
thence N 50°04'02"W a distance of 112.83' (40.62v);
thence S 54°05'33"W a distance of 156.97' (56.51v);
thence S 84°58'58"W a distance of 56.15' (20.21v);
thence S 49°08'00"W a distance of 115.17' (41.46v);
thence N 42°23'25"W a distance of 359.13' (129.29v);

thence N 29°23'58"W a distance of 326.96' (117.71v);
thence N 46°21'44"W a distance of 363.19' (130.75v);
thence N 34°01'13"W a distance of 180.61' (65.02v);
thence N 11°22'55"W a distance of 212.13' (76.37v);
thence N 34°23'35"E a distance of 252.19' (90.79v);
thence N 57°03'57"E a distance of 236.11' (85.00v);
thence S 77°08'20"E a distance of 212.13' (76.37v);
thence S 00°54'51"E a distance of 128.22' (46.16v);
thence S 81°42'07"E a distance of 111.69' (40.21v);
thence S 44°27'12"E a distance of 120.97' (43.55v);
thence N 51°03'33"E a distance of 78.72' (28.34v);
thence N 49°05'53"W a distance of 115.38' (41.54v);
thence N 37°44'18"W a distance of 231.12' (83.20v);
thence N 44°45'34"W a distance of 212.13' (76.37v);
thence N 03°49'02"E a distance of 212.05' (76.34v);
thence N 44°54'40"E a distance of 311.04' (111.97v);
thence N 67°17'10"E a distance of 254.39' (91.58v);
thence S 70°53'24"E a distance of 111.90' (40.28v);
thence S 28°48'24"E a distance of 141.78' (51.04v);
thence N 66°20'20"E a distance of 262.77' (94.60v);
thence S 68°39'40"E a distance of 218.48' (78.65v);
thence S 63°09'00"E a distance of 198.72' (71.54v);
thence S 73°35'35"E a distance of 292.97' (105.47v);
thence S 14°52'31"E a distance of 348.62' (125.50v);
thence S 32°41'34"W a distance of 162.02' (58.33v);
thence S 23°55'31"E a distance of 192.81' (69.41v);
thence S 36°07'36"E a distance of 223.50' (80.46v);
thence S 03°15'10"W a distance of 235.75' (84.87v);
thence S 34°12'57"E a distance of 286.34' (103.08v);
thence S 34°06'41"W a distance of 153.62' (55.30v);

which is the **point of beginning**, containing 3,066,500 sq ft or 70.4 acres except for 5.4 acres of natural bay bottom that remain isolated inside of artificial fill area.

TRACT 4A - Field Notes for artificial fill

Beginning at a point along the existing toe of fill as evidenced by 2005-2017 aerial photography, N: 13,641,125.77, E: 3,252,216.80, from which "HGCS D 62" bears N 68°52'21" E a distance of 12,765.60' (4,595.62v);

thence S 22°51'34"W along existing toe of fill a distance of 98.18' (35.34v);
thence S 79°14'33"W a distance of 117.86' (42.43v);
thence S 51°57'44"W a distance of 614.82' (221.34v);
thence N 73°28'29"W a distance of 104.15' (37.49v);

thence N 32°30'05"W a distance of 411.95' (148.30v);
thence S 64°27'54"W a distance of 112.90' (40.64v);
thence N 85°03'38"W a distance of 178.12' (64.12v);
thence N 09°41'14"E a distance of 106.90' (38.48v);
thence N 59°07'45"W a distance of 115.66' (41.64v);
thence N 12°07'36"W a distance of 115.66' (41.64v);
thence N 09°22'20"E a distance of 208.79' (75.16v);
thence N 22°44'15"E a distance of 267.11' (96.16v);
thence N 73°24'58"E a distance of 191.59' (68.97v);
thence S 53°21'37"E a distance of 191.70' (69.01v);
thence S 64°41'13"E a distance of 94.73' (34.10v);
thence N 77°59'49"E a distance of 101.39' (36.50v);
thence S 38°52'36"E a distance of 212.13' (76.37v);
thence S 89°51'28"E a distance of 201.36' (72.49v);
thence S 52°21'59"E a distance of 163.17' (58.74v);
thence S 73°38'06"E a distance of 135.45' (48.76v);
thence S 14°52'33"E a distance of 99.81' (35.93v);
thence S 32°18'28"E a distance of 122.49' (44.10v);

which is the **point of beginning**, containing 856,000 sq ft or 19.7 acres
except for 0.3 acres of natural bay bottom that remain isolated inside of artificial fill area.

TRACT 4B - Field Notes for artificial fill

Beginning at a point along the existing toe of fill as evidenced by 2005-2011 aerial photography,
N:13,642,584.55, E:3,255,086.73, from which "HGCS D 62" bears N 70°49'36" E a distance of
9,568.34' (3,444.60v);

thence S 89°50'21"W along existing toe of fill a distance of 606.20' (218.23v) and for the
following calls;

thence S 08°11'25"E a distance of 115.53' (41.59v);
thence S 65°54'22"W a distance of 148.22' (53.36v);
thence S 83°02'07"W a distance of 195.15' (70.26v);
thence S 89°48'20"W a distance of 2,112.82' (760.61v);
thence N 30°43'24"W a distance of 388.34' (139.80v);
thence N 02°22'28"E a distance of 232.77' (83.80v);
thence N 33°46'19"E a distance of 250.12' (90.04v);
thence N 38°24'40"E a distance of 230.96' (83.15v);
thence N 19°21'03"E a distance of 178.59' (64.29v);
thence N 84°11'30"W a distance of 290.32' (104.52v);
thence N 42°53'58"W a distance of 295.67' (106.44v);
thence N 37°49'34"E a distance of 200.23' (72.08v);
thence N 07°08'08"E a distance of 168.85' (60.79v);
thence N 50°05'32"E a distance of 223.49' (80.46v);

thence N 15°11'20"E a distance of 128.47' (46.25v);
thence N 47°30'15"W a distance of 150.87' (54.31v);
thence N 06°57'23"E a distance of 283.16' (101.94v);
thence N 02°46'06"W a distance of 124.13' (44.69v);
thence N 35°03'50"E a distance of 124.27' (44.74v);
thence N 07°02'52"E a distance of 212.13' (76.37v);
thence N 67°54'06"E a distance of 150.76' (54.27v);
thence N 41°12'16"E a distance of 150.00' (54.00v);
thence S 66°54'05"E a distance of 188.81' (67.97v);
thence N 84°36'41"E a distance of 193.70' (69.73v);
thence S 43°09'45"E a distance of 140.00' (50.40v);
thence S 77°57'53"E a distance of 165.86' (59.71v);
thence S 30°41'22"E a distance of 303.71' (109.33v);
thence N 26°03'45"E a distance of 88.54' (31.88v);
thence N 80°29'47"E a distance of 183.49' (66.06v);
thence S 34°40'27"E a distance of 173.10' (62.32v);
thence S 89°53'38"E a distance of 836.19' (301.03v);
thence S 02°39'11"W a distance of 77.08' (27.75v);
thence S 47°06'02"E a distance of 54.08' (19.47v);
thence S 02°16'53"E a distance of 72.32' (26.03v);
thence S 87°57'27"E a distance of 164.78' (59.32v);
thence S 38°04'47"E a distance of 43.26' (15.57v);
thence S 02°11'35"E a distance of 167.26' (60.21v);
thence N 87°14'39"E a distance of 193.44' (69.64v);
thence S 02°45'48"E a distance of 262.46' (94.48v);
thence S 85°44'37"W a distance of 211.08' (75.99v);
thence S 00°20'20"E a distance of 526.24' (189.44v);
thence S 45°02'19"W a distance of 57.99' (20.88v);
thence N 89°36'25"W a distance of 169.41' (60.99v);
thence S 00°41'07"E a distance of 356.14' (128.21v);
thence S 88°16'53"E a distance of 386.34' (139.08v);
thence S 05°08'00"E a distance of 192.24' (69.21v);
thence S 89°20'21"E a distance of 398.45' (143.44v);
thence S 00°14'59"E a distance of 464.95' (167.38v);

which is the **point of beginning**, containing 6,895,000 sq ft or 158.3 acres
except for 14.2 acres of natural bay bottom that remain isolated inside of artificial fill area.

TRACT 4C - Field Notes for artificial fill

Beginning at a point along the existing toe of fill as evidenced by 2005-2017 aerial photography,
N:13,641,676.28, E: 3,252,771.12, from which "HGCS D 62" bears S 70°21'50" W a distance of
12,054.19' 4339.51v);

thence S 80°53'58"W a distance of 335.67' (120.84v);
thence N 64°47'41"W a distance of 293.36' (105.61v);
thence N 59°46'02"W a distance of 135.38' (48.74v);
thence N 30°40'21"E a distance of 177.70' (63.97v);
thence N 63°06'41"E a distance of 212.13' (76.37v);
thence S 71°53'19"E a distance of 179.76' (64.71v);
thence S 26°53'19"E a distance of 212.13' (76.37v);
thence S 49°19'23"E a distance of 220.48' (79.37v);

which is the **point of beginning**, containing 174,550 sq ft or 4.0 acres

TRACT 4D - Field Notes for artificial fill

Beginning at a point along the existing toe of fill as evidenced by 2005-2017 aerial photography, N:13,641,676.28, E: 3,252,771.12, from which "HGCS D 62" bears S 70°21'50" W a distance of 12,054.19' (4339.51v);

thence N 04°52'06"W a distance of 68.67' (24.72v);
thence N 63°32'45"E a distance of 212.13' (76.37v);
thence S 71°05'56"E a distance of 215.16' (77.46v);
thence N 83°33'00"E a distance of 227.89' (82.04v);
thence S 51°13'54"E a distance of 212.13' (76.37v);
thence S 38°46'06"W a distance of 212.13' (76.37v);
thence S 84°00'54"W a distance of 190.72' (68.66v);
thence N 78°57'47"W a distance of 209.63' (75.47v);
thence N 50°21'00"W a distance of 154.76' (55.71v);
thence N 65°25'30"W a distance of 145.23' (52.28v);

which is the **point of beginning**, containing 183,200 sq ft or 4.2 acres

TRACT 5 - Field Notes for Breakwater buildup

Beginning at a point along the existing toe of fill as evidenced by 2005-2011 aerial photography, N: 13,645,929.38, E: 3,256,681.01, from which "HGCS D 62" bears S 88°26'34" E a distance of 7,446.05' (2,680.58v);

thence N 37°16'06" W along the toe of existing fill distance of 172.34' (62.04v) and for the following calls;

thence N 02°41'11"W a distance of 40.31' (14.51v);
thence N 54°24'31"E a distance of 550.75' (198.27v);
thence N 25°54'28"W a distance of 95.75' (34.47v);
thence N 51°39'36"E a distance of 193.53' (69.67v);
thence N 19°33'36"W a distance of 94.54' (34.03v);

thence S 43°49'08"E a distance of 128.80' (46.37v);
thence S 55°06'13"W a distance of 56.75' (20.43v);

which is the **point of beginning**, containing 21,668 sq ft or 0.5 acres

Shoreline accretions from adjacent construction

TRACT 6

Beginning at a common point along the MHHW line described in TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999 (MHHW line, 1999) and the MHW line as observed in October 2018 by Naismith Marine Services (MHW line, 2018), N:13,639,739.00, E: 3,251,624.2, from which "HGCS 62" bears N 64°24'13" E a distance of 13,860.32' (4,989.72v);

thence N 23°18'33"W continuing along said MHW line, 2018 a distance of 122.41' (44.07v) and for the following calls;

thence N 00°07'14"E a distance of 344.39' (123.98v);

thence N 86°44'54"E a distance of 188.88' (68.00v);

thence N 45°44'47"E a distance of 127.03' (45.73v) to a common point between the MHW line, 2018 and the MHHW line, 1999;

thence S 38°58'50"E continuing along said MHHW line, 1999 distance of 44.40' (15.99v) and for the following calls;

thence S 78°16'06"E a distance of 125.44' (45.16v);

thence S 13°14'45"E a distance of 96.32' (34.67v);

thence S 65°11'00"W a distance of 138.74' (49.95v);

thence S 15°14'01"E a distance of 63.34' (22.80v);

thence S 52°48'40"E a distance of 73.94' (26.62v);

thence S 29°02'12"E a distance of 47.96' (17.27v);

thence S 06°25'31"E a distance of 61.86' (22.27v);

thence S 63°26'46"W a distance of 80.04' (28.81v);

thence S 83°51'56"W a distance of 72.14' (25.97v);

thence N 55°41'08"W a distance of 94.25' (33.93v);

thence N 78°47'18"W a distance of 62.61' (22.54v);

thence S 82°37'53"W a distance of 69.40' (24.98v);

thence S 01°38'48"E a distance of 117.94' (42.46v);

thence S 52°25'25"W a distance of 40.95' (14.74v);

thence S 38°53'21"W a distance of 6.40' (2.30v);

which is the **point of beginning**, containing 154,000 sq ft or 3.5 acres

thence N 49°07'14"E a distance of 226.09' (81.39v);
thence S 32°56'10"E a distance of 59.88' (21.56v);
thence S 48°15'18"W a distance of 167.04' (60.14v);
thence S 21°08'34"E a distance of 80.68' (29.05v);
thence S 23°55'36"W a distance of 75.45' (27.16v);
thence S 55°31'02"W a distance of 127.80' (46.01v);
thence S 26°08'32"E a distance of 107.22' (38.60v);
thence S 53°05'41"W a distance of 556.08' (200.19v);
thence S 15°50'00"E a distance of 129.01' (46.44v);
thence S 73°26'11"W a distance of 31.01' (11.16v);

which is the **point of beginning**, containing 100,500 sq ft or 2.3 acres

TRACT 5A - Field Notes for Breakwater buildup

Beginning at a point along the existing toe of fill as evidenced by 2005-2011 aerial photography, N: 13,647,084.74, E: 3,257,311.93, from which "HGCS D 62" bears S 78°43'43" E a distance of 6,946.33' (2,500.68v);

thence N 37°37'48" W along the existing toe of fill a distance of 849.90' (305.96v) and for the following calls;

thence N 53°14'42"E a distance of 359.17' (129.30v);
thence S 39°45'49"E a distance of 60.21' (21.67v);
thence S 51°07'59"W a distance of 263.33' (94.80v);
thence S 02°03'21"W a distance of 52.97' (19.07v);
thence S 37°45'29"E a distance of 740.83' (266.70v);
thence S 55°00'00"W a distance of 66.00' (23.76v);

which is the **point of beginning**, containing 75,400 sq ft or 1.7 acres

TRACT 5B - Field Notes for Breakwater buildup

Beginning at a point along the existing toe of fill as evidenced by 2005-2011 aerial photography, N: 13,647,976.24, E: 3,257,650.94, from which "HGCS D 62" bears S 70°50'24" E a distance of 6,852.99' (2,467.08v);

thence N 36°59'37" W along the existing toe of fill a distance of 86.23' (31.04v) and for the following calls;

thence S 61°08'14"W a distance of 93.54' (33.67v);
thence N 39°39'12"W a distance of 172.57' (62.12v);
thence S 61°00'32"W a distance of 57.31' (20.63v);
thence N 35°04'52"W a distance of 47.00' (16.92v);
thence N 58°18'24"E a distance of 101.89' (36.68v);
thence S 39°20'07"E a distance of 181.45' (65.32v);
thence N 59°38'37"E a distance of 88.92' (32.01v);

TRACT 6A

Beginning at a common point along the MHHW line described in TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999 (MHHW line, 1999) and the MHW line as observed in October 2018 by Naismith Marine Services (MHW line, 2018), N:13,642,372.72, E: 3,254,919.02, from which "HGCS D 62" bears N 69°58'43" E a distance of 9797.39' (3,527.06v);

thence S 36°32'22" E departing the MWH line, 2018 and continuing along said MHHW line, 1999 a distance of 121.41' (43.71v);

thence N 78°36'29" W a distance of 81.88' (29.48v);

thence S 28°05'56" W a distance of 31.42' (11.31v);

thence N 89°29'03" W a distance of 166.07' (59.79v);

thence S 21°29'11" W a distance of 90.32' (32.52v);

thence N 71°45'51" W a distance of 109.99' (39.60v);

thence S 52°11'17" W a distance of 42.50' (15.30v);

thence S 32°27'18" W a distance of 112.32' (40.44v);

thence S 16°21'28" E a distance of 124.25' (44.73v);

thence N 82°25'23" W a distance of 72.82' (26.22v);

thence N 17°31'38" W a distance of 114.19' (41.11v);

thence N 05°27'10" E a distance of 81.58' (29.37v);

thence N 54°30'07" W a distance of 89.35' (32.17v);

thence S 70°45'31" W a distance of 152.00' (54.72v);

thence N 78°19'47" W a distance of 120.51' (43.38v);

thence S 60°14'46" W a distance of 122.05' (43.94v);

thence N 87°01'06" W a distance of 215.14' (77.45v);

thence N 68°25'26" W a distance of 85.81' (30.89v);

thence S 85°40'53" W a distance of 75.05' (27.02v);

thence N 56°37'28" W a distance of 100.50' (36.18v);

thence N 81°55'01" W a distance of 104.80' (37.73v) to a common point between the MHHW line, 1999 and MHW line, 2018;

thence N 65°23'02" E departing MHHW line, 1999 and continuing along MHW line, 2018 a distance of 128.18' (46.14v);

thence S 41°55'58" E a distance of 121.67' (43.80v);

thence N 80°41'24" E a distance of 145.63' (52.43v);

thence N 25°14'25" W a distance of 112.54' (40.51v);

thence N 85°47'08" E a distance of 136.93' (49.29v);

thence S 51°59'37" E a distance of 159.63' (57.47v);

thence S 88°54'52" E a distance of 310.40' (111.74v);

thence N 47°05'27" E a distance of 68.89' (24.80v);

thence S 73°33'03" E a distance of 206.04' (74.17v);

thence N 70°15'39" E a distance of 121.00' (43.56v);

thence N 50°58'53" E a distance of 117.85' (42.43v);

thence N 80°28'41" E a distance of 163.97' (59.03v);

which is the **point of beginning**, containing 138,000 sq ft or 3.2 acres

TRACT 6B

Beginning at a common point along the MHHW line described in TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999 (MHHW line, 1999) and the MHW line as observed in October 2018 by Naismith Marine Services (MHW line, 2018), N:13,642,570.32, E:3,255,162.58, from which "HGCS D 62" bears N 70°35'44" E a distance of 9,501.45' (3,420.52v);

thence N 64°28'12" E departing the MWH line, 1999 and continuing along the MHW line, 2018 a distance of 190.08' (68.43v) and for the following calls;
thence N 58°45'55" E a distance of 210.01' (75.60v);
thence N 21°47'52" E a distance of 196.62' (70.78v);
thence N 23°31'15" W a distance of 129.78' (46.72v) to a common point between the MHW line, 2018 and MHHW line, 1999;

thence S 75°47'55" E departing MHW line, 2018 and continuing along said MHHW line, 1999 a distance of 69.82' (25.14v) and for the following calls;
thence N 88°35'45" E a distance of 136.54' (49.15v);
thence S 50°29'33" E a distance of 118.69' (42.73v);
thence S 73°26'52" W a distance of 183.23' (65.96v);
thence S 30°36'48" W a distance of 136.32' (49.08v);
thence S 36°58'59" W a distance of 150.48' (54.17v);
thence S 68°03'06" W a distance of 111.88' (40.28v);
thence S 37°28'50" W a distance of 56.25' (20.25v);
thence S 78°24'18" W a distance of 157.49' (56.70v);
thence N 83°15'23" W a distance of 40.50' (14.58v);
which is the **point of beginning**, containing 52,820 sq ft or 1.2 acres

TRACT 6C

Beginning at a common point along the MHHW line described in TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999 (MHHW line, 1999) and the MHW line as observed in October 2018 by Naismith Marine Services (MHW line, 2018), N:13,643,147.16, E:3,255,113.03, from which "HGCS D 62" bears N 74°01'26" E a distance of 9,373.31' (3,374.39v);

thence N 58°57'06" W departing the MHHW line, 1999 and continuing along the MHW line, 2018 a distance of 179.77' (64.72v) and for the following calls;
thence S 88°44'49" W a distance of 119.00' (42.84v);

thence N 10°11'58" E a distance of 92.21' (33.20v);
thence N 85°30'09" E a distance of 182.82' (65.82v);
thence N 07°42'25" W a distance of 106.36' (38.29v);
thence N 53°25'41" W a distance of 100.26' (36.09v);
thence N 14°25'11" E a distance of 58.70' (21.13v);
thence N 48°29'26" E a distance of 129.15' (46.49v);
thence S 68°49'20" E a distance of 208.92' (75.21v);
thence N 69°48'12" E a distance of 117.92' (42.45v);
thence N 54°42'16" W a distance of 149.96' (53.99v) to a common point between the MHW line, 2018 and MHHW line, 1999;
thence S 80°03'22" E departing MHW line, 2015 continuing along MHHW line, 1999 a distance of 142.85' (51.43v) and for the following calls;
thence N 47°31'51" E a distance of 76.26' (27.45v);
thence S 58°34'19" E a distance of 144.47' (52.01v);
thence S 21°14'11" W a distance of 63.41' (22.83v);
thence S 80°51'13" W a distance of 217.64' (78.35v);
thence N 89°35'09" W a distance of 68.16' (24.54v);
thence S 81°04'46" W a distance of 50.91' (18.33v);
thence S 65°23'00" W a distance of 129.20' (46.51v);
thence N 50°57'35" W a distance of 19.77' (7.12v);
thence N 00°34'05" E a distance of 19.64' (7.07v);
thence S 86°33'53" W a distance of 14.01' (5.04v);
thence S 00°21'58" W a distance of 74.65' (26.87v);
thence S 38°42'55" E a distance of 172.29' (62.02v);
thence S 72°49'55" W a distance of 68.88' (24.80v);
thence S 57°19'27" W a distance of 42.84' (15.42v);
thence S 33°29'23" W a distance of 41.63' (14.99v);
thence S 38°13'55" E a distance of 121.21' (43.64v);

which is the **point of beginning**, containing 94,400 sq ft or 2.2 acres

TRACT 6D

Beginning at a common point along the MHHW line described in TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999 (MHHW line, 1999) and the MHW line as observed in October 2018 by Naismith Marine Services (MHW line, 2018), N:13,643,751.88, E:3,255,287.20, from which "HGCS D 62" bears N 77°24'04" E a distance of 9,055.15' (3,259.86v);

thence N 50°36'51" E departing the MWH line, 1999 and continuing along the MHW line, 2018 a distance of 119.73' (43.10v);
thence N 08°47'16" W a distance of 150.08' (54.03v) to a common point between the MHW line, 2018 and MHHW line, 1999;

thence S 64°55'37" E departing MHW line, 2018 and continuing along MHHW line, 1999 a distance of 159.19' (57.31v) and for the following calls;
thence S 37°51'11" E a distance of 81.65' (29.39v);
thence S 75°46'07" W a distance of 141.88' (51.08v);
thence S 54°33'38" W a distance of 47.82' (17.22v);
thence S 29°47'34" W a distance of 60.60' (21.82v);
thence N 68°16'12" W a distance of 61.68' (22.21v);

which is the **point of beginning**, containing 22,339 sq ft or 0.5 acres

TRACT 6E

Beginning at a common point along the MHHW line described in TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999 (MHHW line, 1999) and the MHW line as observed in October 2018 by Naismith Marine Services (MHW line, 2018), N:13,644,092.64, E:3,255,070.22, from which "HGCS D 62" bears N 79°46'03" E a distance of 9,200.43' (3,312.15v);

thence N 29°53'41" W departing the MWH line, 1999 and continuing along the MHW line, 2018 a distance of 147.67' (53.16v) and for the following calls;
thence N 14°53'33" E a distance of 138.28' (49.78v);
thence N 29°59'08" W a distance of 77.26' (27.81v);
thence N 11°14'40" E a distance of 31.41' (11.31v) to a common point between the MHW line, 2018 and MHHW line, 1999;
thence S 76°17'50" E departing MHW line, 2018 continuing along MHHW line, 1999 a distance of 182.27' (65.62v) and for the following calls;
thence S 52°06'02" W a distance of 52.51' (18.90v);
thence S 25°29'17" E a distance of 64.33' (23.16v);
thence S 63°19'17" W a distance of 86.26' (31.05v);
thence S 25°36'42" W a distance of 55.76' (20.07v);
thence S 42°16'14" E a distance of 62.21' (22.40v);
thence S 27°54'04" E a distance of 103.01' (37.08v);
thence N 89°51'35" W a distance of 81.65' (29.39v);

which is the **point of beginning**, containing 34,500 sq ft or 0.8 acres

TRACT 6F

Beginning at a common point along the MHHW line described in TNR Code Article 33.136, Galveston County, Sketch File 46, document# 5981, filed February 28, 2000 and surveyed by Elisandro Leos during the months of March and April, 1999 (MHHW line, 1999) and the MHW line as observed in October 2018 by Naismith Marine Services (MHW line, 2018), N:13,644,974.57, E:3,257,787.31, from which "HGCS D 62" bears N 83°13'42" E a distance of 6,381.52' (2,297.35v);

thence N 71°33'12" E departing the MWH line, 1999 and continuing along the MHW line, 2018 a distance of 103.11' (37.12v) and for the following calls;

thence N 06°19'51" W a distance of 120.96' (43.55v);

thence N 34°01'47" E a distance of 90.73' (32.66v);

thence N 58°46'07" E a distance of 98.71' (35.54v);

thence N 16°18'58" W a distance of 127.03' (45.73v);

thence N 57°13'41" E a distance of 89.49' (32.22v);

thence N 40°53'37" W a distance of 176.38' (63.50v);

thence N 18°00'03" W a distance of 83.99' (30.24v);

thence N 54°20'57" E a distance of 131.41' (47.31v);

thence N 33°58'05" W a distance of 80.63' (29.03v);

thence N 77°39'15" W a distance of 105.42' (37.95v);

thence N 35°10'52" W a distance of 100.49' (36.18v);

thence N 36°43'11" E a distance of 143.37' (51.61v);

thence N 22°54'20" W a distance of 75.50' (27.18v);

thence S 89°42'03" W a distance of 147.50' (53.10v);

thence N 03°06'54" W a distance of 97.25' (35.01v);

thence S 74°33'43" E a distance of 149.21' (53.72v);

thence S 45°23'21" E a distance of 63.82' (22.98v);

thence N 25°58'20" E a distance of 125.06' (45.02v);

thence N 39°59'38" E a distance of 167.91' (60.45v);

thence N 03°26'24" W a distance of 208.80' (75.17v);

thence N 29°38'33" W a distance of 124.87' (44.95v);

thence N 58°06'29" E a distance of 99.28' (35.74v);

thence N 85°25'47" E a distance of 269.70' (97.09v);

thence N 48°10'21" E a distance of 156.85' (56.47v);

thence N 08°26'41" E a distance of 141.43' (50.91v);

thence N 58°54'50" W a distance of 221.78' (79.84v);

thence N 11°15'26" W a distance of 57.64' (20.75v);

thence N 42°32'44" E a distance of 135.60' (48.82v);

thence S 63°03'15" E a distance of 209.23' (75.32v);

thence N 16°23'23" E a distance of 110.94' (39.94v);

thence N 13°17'47" W a distance of 149.70' (53.89v);

thence N 22°19'29" E a distance of 42.65' (15.35v);

thence S 59°43'36" E a distance of 139.77' (50.32v);

thence N 61°06'31" E a distance of 121.27' (43.66v);

thence N 23°03'47" W a distance of 160.28' (57.70v);

thence N 49°15'47" E a distance of 40.83' (14.70v);

thence S 88°53'39" E a distance of 123.34' (44.40v);

thence N 56°50'14" E a distance of 74.92' (26.97v);

thence S 56°54'11" E a distance of 36.32' (13.08v) to a common point between the MHW line, 2018 and MHHW line, 1999;

thence S 78°18'13" W departing MHW line, 2018 and continuing along MHHW line, 1999 a distance of 48.78' (17.56v) and for the following calls;
thence S 44°21'32" W a distance of 77.37' (27.85v);
thence N 71°58'21" W a distance of 47.94' (17.26v);
thence N 69°29'24" W a distance of 51.44' (18.52v);
thence S 68°49'50" W a distance of 43.61' (15.70v);
thence S 53°37'32" E a distance of 67.69' (24.37v);
thence S 78°31'45" E a distance of 83.99' (30.24v);
thence S 26°47'27" E a distance of 75.52' (27.19v);
thence S 23°18'24" W a distance of 62.56' (22.52v);
thence N 57°58'32" W a distance of 40.92' (14.73v);
thence S 18°06'14" W a distance of 115.99' (41.76v);
thence N 80°24'03" W a distance of 114.97' (41.39v);
thence N 66°46'25" W a distance of 63.31' (22.79v);
thence N 38°17'01" W a distance of 87.38' (31.46v);
thence N 89°17'51" W a distance of 26.96' (9.71v);
thence S 42°57'09" W a distance of 20.71' (7.46v);
thence S 13°17'47" E a distance of 184.17' (66.30v);
thence S 23°03'13" E a distance of 92.78' (33.40v);
thence S 44°00'00" W a distance of 43.67' (15.72v);
thence S 56°20'50" W a distance of 57.37' (20.65v);
thence S 26°57'30" W a distance of 116.39' (41.90v);
thence S 07°02'47" W a distance of 72.48' (26.09v);
thence S 18°06'54" E a distance of 82.34' (29.64v);
thence S 66°39'21" W a distance of 85.76' (30.87v);
thence S 27°04'23" W a distance of 131.38' (47.30v);
thence S 62°28'05" W a distance of 89.54' (32.23v);
thence S 58°27'25" W a distance of 191.56' (68.96v);
thence S 19°16'32" W a distance of 30.39' (10.94v);
thence S 41°22'32" E a distance of 30.14' (10.85v);
thence S 42°09'39" E a distance of 40.67' (14.64v);
thence S 28°01'46" W a distance of 94.44' (34.00v);
thence S 40°37'29" W a distance of 131.21' (47.24v);
thence S 05°05'53" E a distance of 33.58' (12.09v);
thence S 09°11'31" W a distance of 195.65' (70.43v);
thence S 27°07'01" W a distance of 123.00' (44.28v);
thence S 74°39'01" W a distance of 58.98' (21.23v);
thence S 04°40'00" E a distance of 25.32' (9.12v);
thence S 60°21'23" E a distance of 111.26' (40.05v);
thence S 66°53'34" E a distance of 119.43' (42.99v);
thence S 16°08'35" W a distance of 122.70' (44.17v);
thence N 86°45'17" W a distance of 99.91' (35.97v);
thence S 39°29'03" W a distance of 32.03' (11.53v);

thence S 28°22'33" E a distance of 99.25' (35.73v);
thence S 54°55'55" E a distance of 180.79' (65.08v);
thence S 14°05'04" W a distance of 197.49' (71.10v);
thence S 58°42'12" W a distance of 158.07' (56.91v);
thence S 09°51'45" E a distance of 170.89' (61.52v);
thence S 45°30'32" W a distance of 126.27' (45.46v);
thence N 61°44'45" W a distance of 135.79' (48.88v);

which is the **point of beginning**, containing 327,000 sq ft or 7.5 acres

 1/27/2021
James M. Naismith, RPLS, LSLS
Naismith Marine Services, Inc.