

JAMES JACKSON-16

T.&N.O.R.R.-17

JAMES JACKSON-18

A-393
F 4819

A-285
S 611

A-394
F 4822

JAMES JACKSON-14

A-395
F 4820

Survey of a portion of the shoreline of East Bay

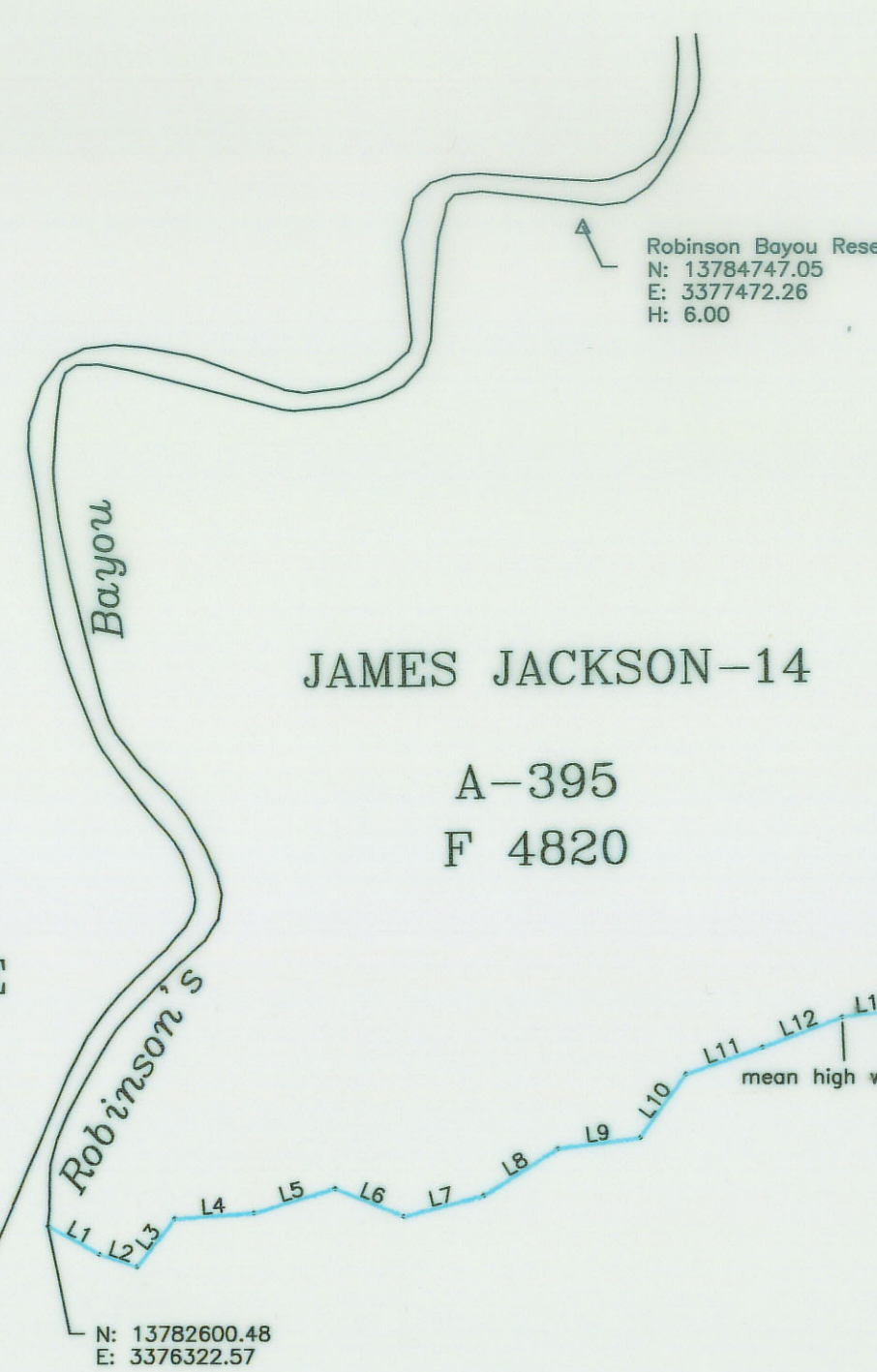
Chambers County, Texas

Galveston County, Texas

COUNTILLO COLONY DITCH CO.-5

A-324
S 806

WM. MOORE
A-185
B 79



LINE	DISTANCE	BEARING	LINE	DISTANCE	BEARING
L1	125.85'	S 61°05'58" E	L46	182.57'	S 88°21'57" E
L2	84.75'	S 71°24'06" E	L47	106.06'	S 70°46'54" E
L3	131.31'	N 38°23'34" E	L48	30.85'	N 10°59'37" E
L4	169.36'	N 85°52'23" E	L49	15.75'	S 79°11'25" E
L5	180.86'	N 73°25'54" E	L50	181.32'	S 64°15'44" E
L6	158.39'	S 68°08'08" E	L51	159.00'	N 87°28'58" E
L7	177.17'	N 75°30'34" E	L52	150.20'	S 66°39'51" E
L8	188.53'	N 57°47'50" E	L53	168.17'	S 76°02'47" E
L9	177.96'	N 82°25'46" E	L54	161.55'	S 59°21'46" E
L10	168.56'	N 35°47'56" E	L55	172.74'	S 55°07'11" E
L11	173.35'	N 70°39'37" E	L56	150.24'	S 48°08'45" E
L12	182.24'	N 69°25'17" E	L57	157.85'	S 37°34'03" E
L13	145.57'	N 82°31'13" E	L58	168.74'	S 51°20'22" E
L14	157.12'	N 77°56'19" E	L59	172.62'	S 32°55'57" E
L15	156.27'	N 76°06'27" E	L60	160.53'	S 40°33'20" E
L16	148.25'	N 74°35'26" E	L61	156.98'	S 54°35'53" E
L17	164.19'	N 83°58'14" E	L62	145.29'	S 58°18'40" E
L18	165.89'	N 76°07'38" E	L63	200.17'	S 32°56'42" E
L19	163.94'	N 89°41'32" E	L64	201.67'	S 44°07'01" E
L20	85.11'	S 52°36'14" E	L65	162.84'	S 44°00'32" E
L21	168.86'	N 74°28'57" E	L66	134.18'	S 19°48'04" E
L22	181.08'	N 79°22'50" E	L67	146.44'	S 05°47'20" E
L23	155.63'	N 85°28'21" E	L68	152.14'	S 60°41'09" E
L24	175.30'	N 87°28'29" E	L69	183.06'	S 32°55'09" E
L25	181.35'	S 89°46'24" E	L70	167.75'	S 01°31'34" E
L26	174.96'	S 79°58'44" E	L71	155.98'	S 19°11'55" E
L27	174.47'	S 81°02'13" E	L72	165.26'	S 16°11'45" E
L28	171.98'	S 87°02'09" E	L73	158.90'	S 28°52'11" E
L29	145.93'	N 69°33'59" E	L74	175.13'	S 24°33'53" E
L30	76.11'	N 17°59'38" E	L75	172.85'	S 17°09'01" E
L31	43.11'	N 81°04'27" E	L76	175.38'	S 11°41'12" E
L32	190.98'	S 51°34'31" E	L77	197.97'	S 40°43'01" E
L33	252.14'	S 86°31'10" E	L78	169.76'	S 37°06'44" E
L34	172.57'	N 88°38'31" E	L79	165.74'	S 29°15'38" E
L35	175.49'	N 87°37'51" E	L80	171.08'	S 56°23'19" E
L36	173.73'	S 87°01'09" E	L81	124.20'	S 82°11'36" E
L37	167.20'	S 78°57'59" E	L82	117.95'	S 33°05'50" E
L38	177.18'	N 86°13'44" E	L83	76.92'	N 79°05'07" E
L39	198.70'	S 71°33'20" E	L84	146.12'	S 38°44'55" E
L40	159.03'	S 69°17'53" E	L85	172.86'	S 28°37'23" E
L41	211.36'	S 68°01'55" E	L86	185.93'	S 32°46'35" E
L42	85.41'	S 36°40'49" E	L87	165.23'	S 38°13'39" E
L43	80.37'	N 70°30'46" E	L88	11.17'	S 65°13'36" E
L44	168.63'	S 80°23'41" E	L89	172.11'	S 39°08'18" E
L45	173.31'	S 73°41'49" E	L90	110.37'	S 46°18'58" E

East
Bay

I, Nedra J. Foster, Licensed State Land Surveyor in the State of Texas, do hereby certify that this plat reflects an on the ground survey performed by me and that all points were placed on the line of mean high water (1.17' NAVD 88) at the time of the survey, October 8-11, 2002. Lines connecting these points are listed on the map and are meander lines. All coordinates are referenced to the State Plane Coordinate System, NAD 83, South Central Zone, U. S. survey feet. The gamma correction at U.S.G.S. monument Robinson Bayou Reset is 02° 10' 02" and the combined scale factor is 0.999871990.

Nedra J. Foster
Nedra J. Foster
Licensed State Land Surveyor



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.

Placement of survey lines is approximate.



SCALE: 1" = 400'

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

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
County Chambers, Sk. No. 1
File Date 11-18-2002 by E.L.H.

LINE	DISTANCE	BEARING
L80	171.08'	S 56°23'19" E
L81	124.20'	S 82°11'36" E
L82	117.85'	S 33°05'50" E
L83	76.92'	N 79°05'07" E
L84	146.12'	S 36°44'55" E
L85	172.86'	S 28°37'23" E
L86	185.93'	S 32°46'35" E
L87	165.23'	S 38°13'39" E
L88	11.17'	S 65°13'36" E
L89	172.11'	S 39°09'16" E
L90	110.37'	S 46°18'58" E
L91	181.24'	S 76°05'43" E
L92	169.86'	S 55°20'41" E
L93	172.07'	S 51°35'25" E
L94	99.37'	S 68°21'29" E
L95	12.27'	S 60°40'53" E
L96	138.89'	S 60°38'22" E
L97	178.12'	S 45°07'12" E
L98	46.08'	N 86°01'00" E
L99	105.62'	N 88°22'56" E
L100	267.85'	S 56°59'25" E
L101	170.06'	N 87°47'48" E
L102	159.65'	S 58°10'18" E
L103	241.38'	S 32°39'00" E
L104	168.10'	S 66°18'53" E
L105	246.62'	S 58°08'58" E
L106	476.14'	S 54°51'12" E
L107	387.83'	S 29°43'33" E
L108	132.26'	S 67°42'20" E
L109	242.58'	S 25°12'45" E
L110	221.66'	S 38°27'26" E
L111	235.60'	S 46°42'12" E
L112	234.74'	S 69°31'22" E
L113	183.53'	S 21°50'46" E
L114	175.92'	S 43°53'20" E
L115	316.74'	S 22°25'28" E
L116	194.97'	S 30°35'40" E
L117	326.91'	S 34°57'45" E
L118	100.21'	S 02°33'36" W
L119	129.84'	S 38°02'41" E
L120	229.55'	S 14°10'02" E
L121	153.11'	S 36°42'15" E
L122	197.87'	S 03°12'22" E
L124	187.36'	S 22°09'26" E
L125	196.83'	S 10°23'30" E
L126	94.10'	S 09°01'41" E
L127	188.70'	S 21°08'09" E
L128	181.56'	S 08°44'16" W
L129	193.89'	S 12°32'05" E
L130	205.74'	S 04°35'05" W
L131	203.27'	S 03°56'54" W
L132	186.75'	S 02°05'04" W
L133	208.71'	S 02°13'14" W
L134	186.58'	S 07°56'10" E
L135	182.97'	S 15°17'07" W
L136	158.53'	S 07°33'10" W
L137	192.96'	S 03°40'23" E
L138	97.16'	S 48°14'08" E
L139	110.11'	S 66°53'17" E
L140	127.92'	N 69°32'09" E
L141	119.73'	S 76°50'21" E
L142	174.85'	S 71°42'31" E
L143	161.37'	N 73°08'58" E
L144	110.98'	S 62°40'05" E
L145	165.42'	N 59°55'28" E
L146	39.88'	N 69°15'15" E
L147	264.76'	S 69°01'36" E
L148	355.94'	N 78°52'11" E
L149	345.71'	N 78°52'54" E
L150	330.93'	N 71°24'36" E
L151	219.78'	N 71°58'42" E
L152	273.04'	N 67°30'52" E
L153	216.80'	N 71°15'42" E
L154	172.69'	N 84°51'58" E
L155	218.15'	N 70°17'51" E
L156	218.83'	N 71°34'43" E
L157	168.88'	N 80°18'38" E
L158	195.78'	N 61°50'48" E
L159	171.65'	N 74°02'04" E
L160	132.13'	N 69°40'46" E
L161	210.69'	N 75°13'06" E
L162	204.60'	N 72°11'10" E
L163	155.62'	N 83°18'28" E
L164	104.63'	N 61°37'03" E

Survey of a portion of the shoreline of East Bay

I, Nedra J. Foster, Licensed State Land Surveyor in the State of Texas, do hereby certify that this plat reflects an on the ground survey performed by me and that all points were placed on the line of mean high water (1.17' NAVD 88) at the time of the survey, October 8-11, 2002. Lines connecting these points are listed on the map and are meander lines. All coordinates are referenced to the State Plane Coordinate System, NAD 83, South Central Zone, U. S. survey feet. The gamma correction at U.S.G.S. monument Robinson Bayou Reset is 02° 10' 02" and the combined scale factor is 0.999871990.

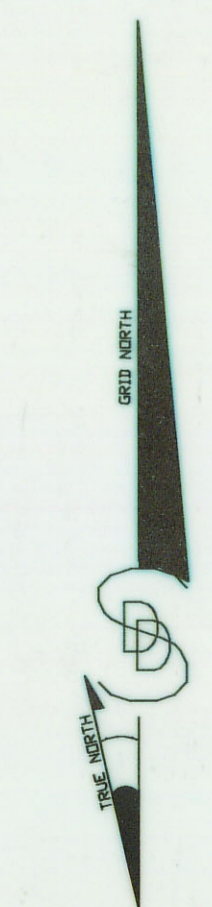
Nedra J. Foster
Nedra J. Foster
Licensed State Land Surveyor

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.

Placement of survey lines is approximate.



TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
County *Chambers*, Sk. No. *I*
File Date *11-18-2002* by *D.J.H.*



SCALE: 1" = 400'

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

Survey of a portion of
the shoreline of East Bay
Chambers County, Texas

ROBERT OLIVER-10
A-344
1 - 410

COUNTILLO COLONY DITCH CO.-9

A-325
S 808

M. SCHERDIN

A-347
P 164

WM. B. PERKINS

A-208
P 152 1/2

C.C. KENNELLY

A-167
P 105

E. BURCH

A-66
P 79

M. CICERO

A-72
P 70

W. BURCH A-65
P 68

LINE	DISTANCE	BEARING	LINE	DISTANCE	BEARING
L162	204.60'	N 72°11'10" E	L204	123.10'	N 81°49'40" E
L163	155.62'	N 83°18'28" E	L205	176.83'	N 83°47'56" E
L164	104.63'	N 61°37'03" E	L206	182.00'	N 88°33'20" E
L165	193.41'	N 86°50'26" E	L207	164.71'	N 52°48'24" E
L166	176.95'	N 75°12'21" E	L208	200.21'	N 60°22'23" E
L167	171.53'	N 76°47'19" E	L209	108.27'	N 35°12'29" E
L168	184.10'	N 78°19'23" E	L210	151.91'	N 57°18'46" E
L169	189.93'	N 82°36'33" E	L211	102.81'	S 74°53'39" E
L170	42.51'	S 69°48'46" E	L212	181.85'	N 70°06'01" E
L171	176.21'	N 78°11'57" E	L213	126.16'	N 30°46'15" E
L172	216.25'	S 84°23'05" E	L214	100.29'	N 29°22'00" E
L173	256.27'	N 75°42'22" E	L215	181.60'	N 67°13'35" E
L174	166.60'	N 86°39'26" E	L216	174.01'	N 62°48'01" E
L175	89.44'	S 66°44'06" E	L217	188.90'	N 70°34'57" E
L176	212.00'	N 81°13'15" E	L218	204.29'	N 75°27'50" E
L177	200.98'	N 67°39'37" E	L219	197.61'	N 52°23'35" E
L178	191.69'	N 64°34'48" E	L220	117.45'	N 77°13'42" E
L179	182.81'	N 69°39'55" E	L221	99.31'	N 71°55'12" E
L180	192.40'	N 77°25'07" E	L222	75.15'	S 77°41'36" E
L181	171.02'	S 87°26'05" E	L223	145.47'	N 73°26'39" E
L182	92.29'	N 70°27'01" E	L224	122.08'	N 80°04'21" E
L183	98.18'	N 33°29'37" E	L225	142.65'	N 74°24'08" E
L184	83.67'	N 69°11'16" E	L226	138.01'	S 87°07'52" E
L185	110.73'	N 18°00'27" E	L227	191.38'	S 54°33'39" E
L186	159.04'	N 02°15'29" E	L228	187.53'	N 71°35'16" E
L187	95.05'	N 18°54'46" E	L229	206.54'	N 84°42'52" E
L188	185.53'	N 05°30'15" E	L230	187.47'	N 67°36'01" E
L189	157.94'	N 07°16'07" E	L231	128.26'	N 65°43'02" E
L190	110.08'	N 41°40'42" E	L232	192.13'	N 62°43'43" E
L191	158.18'	N 07°00'52" E	L233	185.10'	N 52°03'08" E
L192	225.97'	N 31°37'39" E	L234	176.40'	N 89°11'39" E
L193	193.84'	N 28°48'47" E	L235	167.88'	N 47°23'03" E
L194	187.42'	N 18°16'11" E	L236	130.56'	N 40°48'37" E
L195	117.35'	N 43°32'07" E	L237	143.69'	N 53°48'35" E
L196	13.28'	N 57°02'14" E	L238	184.57'	N 00°13'11" E
L197	96.37'	N 02°13'10" E	L239	186.19'	N 44°08'55" E
L198	163.40'	N 40°32'51" E	L240	174.31'	N 75°25'24" E
L199	185.25'	N 48°15'28" E	L241	176.50'	N 58°31'28" E
L200	160.32'	N 60°05'51" E	L242	185.54'	N 49°51'34" E
L201	177.60'	N 60°50'17" E	L243	189.84'	N 50°18'55" E
L202	152.05'	N 73°25'27" E	L244	145.62'	N 47°08'42" E
L203	174.27'	N 61°30'56" E	L245	175.24'	N 46°35'52" E
			L246	160.50'	N 59°56'53" E
			L247	86.63'	N 51°53'01" E

I, Nedra J. Foster, Licensed State Land Surveyor in the State of Texas, do hereby certify that this plat reflects an on the ground survey performed by me and that all points were placed on the line of mean high water (1.17' NAVD 88) at the time of the survey, October 8-11, 2002. Lines connecting these points are listed on the map and are meander lines. All coordinates are referenced to the State Plane Coordinate System, NAD 83, South Central Zone, U. S. survey feet. The gamma correction at U.S.G.S. monument Robinson Bayou Reser is 02° 10' 02" and the combined scale factor is 0.999871990.

Nedra J. Foster
Nedra J. Foster
Licensed State Land Surveyor



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.

Placement of survey lines is approximate.

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
County Chambers, Sk. No. 1
File Date 11-18-2002 by D.J.H.

SCALE: 1" = 400'

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

Sheet 3 of 3



Weston Solutions, Inc.
Barton Oaks Plaza Two
901 South Mopac Expwy., Suite 475
Austin, Texas 78746
512-651-7100 • Fax 512-651-7101

13 November 2002

Mr. Ben Thompson
Texas General Land Office
Stephen F. Austin Building
1700 North Congress Avenue
Austin, TX 78701-1495

RE: East Bay Alternatives Analysis
Coastal Boundary Survey

Dear Mr. Thompson:

Weston Solutions, Inc., (WESTON) is providing the Texas General Land Office with a mylar copy of a Coastal Boundary Survey prepared as part of the scope of the East Bay Alternatives Analysis Project. The survey was conducted by Shine & Associates, and it includes an approximately eight mile reach of shoreline adjacent to the Anahuac National Wildlife Refuge. The GLO's project manager for the work is Matthew Mahoney.

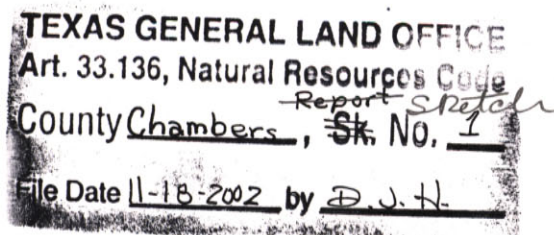
If you have any questions concerning the survey during your review, please contact me at (512) 651-7149, or e-mail at a.mcmullan@westonsolutions.com.

Very truly yours,
WESTON SOLUTIONS, INC.

A handwritten signature in blue ink that reads "Ashby McMullan".

Ashby McMullan, P.E.
Project Manager

cc.: M. Mahoney
D. Ripley, WESTON



See chambers co. Art. 33.136 sketch 1
flattened

Counter # 99052