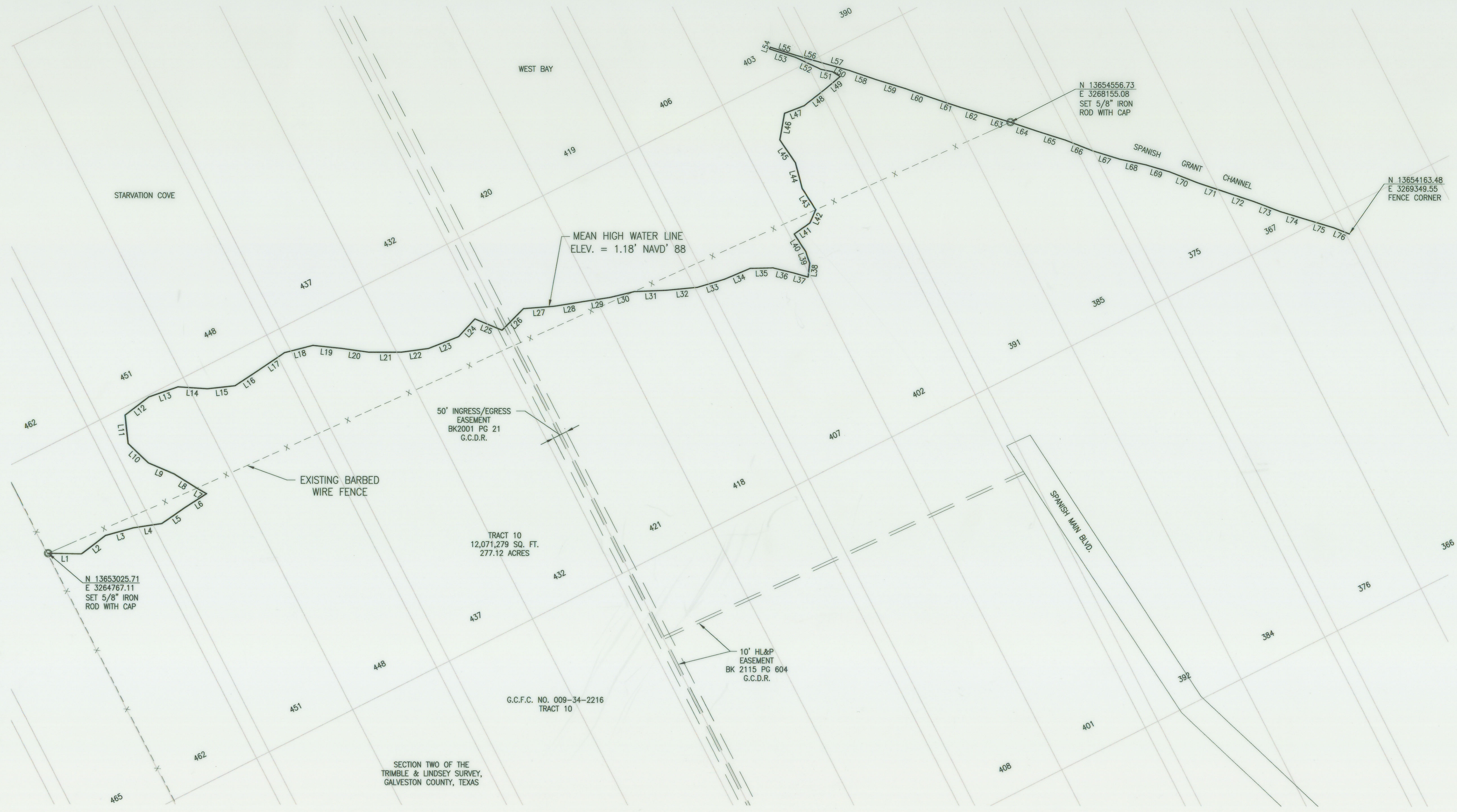
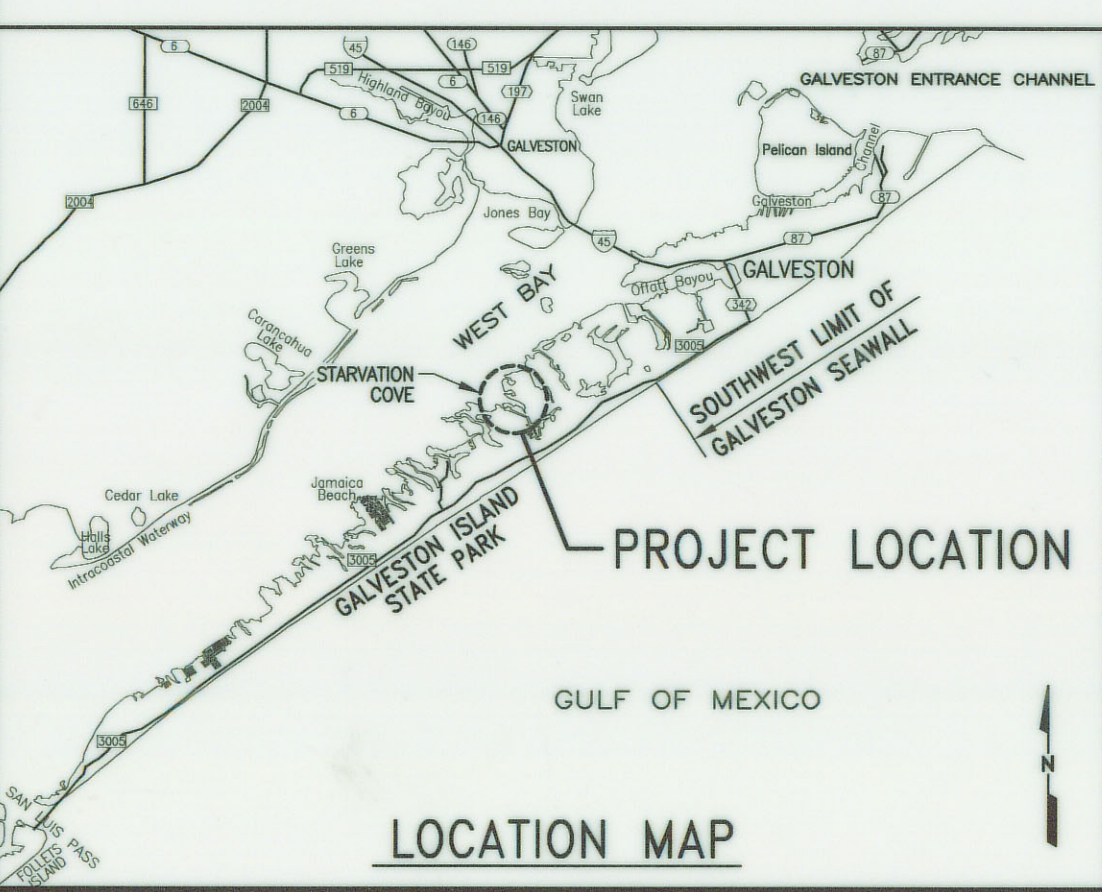
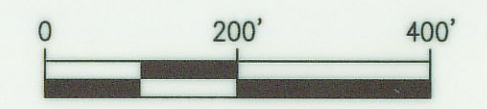
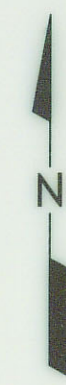


J:\SMACAD\Projects\2006\43761\dwg\00\43761-00-T1.dwg 9/29/2006 11:11:26 AM CST



LINE	BEARING	DISTANCE
L1	S89°06'56"E	117.26'
L2	N52°32'56"E	107.03'
L3	N74°35'33"E	102.46'
L4	N81°20'00"E	101.06'
L5	N55°08'57"E	101.41'
L6	N57°07'34"E	87.37'
L7	S59°56'29"E	38.73'
L8	N58°08'35"W	95.14'
L9	N66°35'08"W	97.56'
L10	N46°23'45"W	98.98'
L11	N06°08'49"W	100.81'
L12	N52°16'16"E	105.37'
L13	N70°47'49"E	108.50'
L14	S86°16'33"E	103.92'
L15	N83°40'31"E	98.32'
L16	N56°20'56"E	95.61'
L17	N55°42'21"E	114.18'
L18	N75°43'08"E	102.97'
L19	S84°06'49"E	99.95'
L20	S82°23'00"E	100.19'
L21	N89°49'23"E	112.54'
L22	N82°09'06"E	95.05'
L23	N68°29'52"E	115.20'
L24	N42°29'40"E	85.10'
L25	S67°37'08"E	104.43'
L26	N44°27'13"E	106.90'
L27	N85°31'29"E	106.45'
L28	N80°47'51"E	106.17'
L29	N80°51'47"E	94.37'
L30	N76°21'28"E	88.60'
L31	N87°30'29"E	113.14'
L32	N84°27'06"E	109.73'
L33	N73°08'35"E	100.15'
L34	N66°52'14"E	97.30'
L35	N88°21'07"E	80.09'
L36	S76°11'22"E	74.28'
L37	S74°16'34"E	53.99'
L38	N06°10'33"E	49.86'
L39	N19°54'31"W	43.23'
L40	N33°04'35"W	74.12'
L41	N54°44'48"E	67.59'
L42	N24°05'50"E	51.45'
L43	N32°28'02"W	89.46'
L44	N15°03'04"W	94.63'
L45	N33°59'57"W	97.94'
L46	N09°55'59"E	95.87'
L47	N68°47'10"E	73.25'
L48	N51°35'51"E	101.36'
L49	N49°56'46"E	63.80'
L50	N57°55'18"W	32.03'
L51	N78°03'34"W	42.51'
L52	N64°55'30"W	99.97'
L53	N71°54'33"W	95.10'
L54	N20°29'28"E	6.51'
L55	S72°19'26"E	94.99'
L56	S74°12'55"E	97.01'
L57	S74°18'05"E	99.56'
L58	S71°16'48"E	103.09'
L59	S72°59'32"E	103.55'
L60	S70°54'35"E	103.00'
L61	S71°33'04"E	100.92'
L62	S73°37'05"E	97.51'
L63	S73°10'05"E	88.47'
L64	S71°24'51"E	101.80'
L65	S72°33'47"E	101.50'
L66	S68°37'48"E	104.55'
L67	S72°52'22"E	98.66'
L68	S77°44'36"E	94.37'
L69	S73°40'21"E	87.48'
L70	S68°50'13"E	107.75'
L71	S71°25'41"E	102.03'
L72	S71°26'54"E	105.02'
L73	S69°22'03"E	98.68'
L74	S73°07'55"E	102.67'
L75	S73°16'49"E	94.95'
L76	S68°16'32"E	59.22'



TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, Sketch No. 42, sheet 1.
File Date 10-9-2006 by D.J.H.
See Report- Sheets 2-4

NOTES

- ALL SURVEYING WAS PERFORMED BY HDR/SHINER MOSELEY AND ASSOCIATES, INC. THIS DRAWING REPRESENTS THE CONDITION THAT EXISTED AT THE TIME OF THE SURVEY CONDUCTED AUGUST 4, AND 5, 2006.
- ALL ELEVATIONS SHOWN ARE IN FEET AND ARE REFERENCED TO NAVD '88.
- COORDINATES SHOWN ARE IN U.S. FEET AND ARE REFERENCED TO STATE PLANE GRID, TEXAS SOUTH CENTRAL ZONE, NAD '83.
- MONUMENTS USED FOR HORIZONTAL CONTROL WERE:
"HGCS D 62" N 13,645,727.15
E 3,264,124.31
MONUMENTS USED FOR VERTICAL CONTROL WERE:
"HGCS D 62" ELEV. 6.53' NAVD'88
"PARK RM2" ELEV. 7.26' NAVD'88
- MEAN HIGH WATER DETERMINED FROM TIDAL INFORMATION AT PIER 21 GAUGE.

WE, HDR/SHINER MOSELEY AND ASSOCIATES, INC., HEREBY STATE THAT THIS DRAWING REPRESENTS THE CONDITIONS THAT EXISTED AT THE TIME OF THE COASTAL BOUNDARY SURVEY CONDUCTED ON AUGUST 3 AND 4, 2006.

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 EROSION LANDWARD AS PROVIDED BY SECTION 33.136, NATURAL RESOURCES CODE.



George Rubalcaba
9/29/06
GEORGE RUBALCABA
LICENSED STATE LAND SURVEYOR

APP	DESCRIPTION	DATE	REV
AP	ISSUED TO CLIENT	9/28/06	0
DJ	DATE	8/8/06	8/8/06
GR	DATE	8/8/06	8/8/06
CHK	DATE		
DRG	DATE		
ENG	DATE		
PLN	DATE		
PRG	DATE		
<p>SHINER MOSELEY AND ASSOCIATES, INC. 555 N. Carancahua, Suite 1650 Corpus Christi, Texas 78478</p> <p>HDR</p> <p>MARQUETTE LAND INVESTMENTS, L.L.C.</p> <p>NORTH BOUNDARY</p> <p>MEAN HIGH WATER LINE</p> <p>GALVESTON COUNTY TEXAS</p> <p>COASTAL BOUNDARY SURVEY</p>			
<p>SHEET</p> <p>1</p> <p>OF 1 REV 0</p> <p>Counter 83070</p>			



**SHINER MOSELEY
AND ASSOCIATES, INC.**

September 27, 2006

J43761

Mr. Bill O'hara
Texas General Land Office
1700 N. Congress Avenue
Austin, Texas 78701-1495

**RE: SURVEY OF MARQUETTE LAND INVESTMENT, LLC. PROPERTY
SOUTH OF STARVATION COVE, GALVESTON COUNTY, TEXAS
(STATE COASTAL BOUNDARY SURVEY)**

Dear Mr. O'hara:

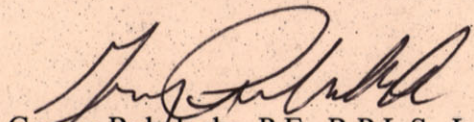
Enclosed is the State Coastal Boundary Survey drawing depicting the survey conducted by us on the Marquette property south of Starvation Cove on Galveston Island. The Mean High Water Line shown was determined from the tidal information obtained from the Pier 21 gauge and Pier 21 benchmarks. As per our previous submittals on the Coastal Boundary Surveys of Delehide Cove and Starvation Cove, Mr. Ben Thomson had indicated that the datum from Pier 21 would be acceptable for determining the MHW in this area.

State plane grid coordinates were arrived at from the monumentation shown on the drawing. As previously done on the Delehide Cove and Starvation Cove projects, the elevations on the monuments noted on the drawing were looped from monuments for the Pier 21 gauge. Elevations are referenced to NAVD '88 datum. Attached is the tidal information and the tide gauge benchmarks we used for the Pier 21 gauge.

Thanks again for your time and assistance on this project. If you should have any questions, please call me at (361) 857-2211.

Sincerely,

HDR/SHINER MOSELEY AND ASSOCIATES, INC.


George Rubalcaba, P.E., R.P.L.S., L.S.L.S
Manager of Surveys

GR/dd

Enclosure

TEXAS GENERAL LAND OFFICE
Art. 33.136, Natural Resources Code
Co. Galveston, Sketch No. 42, sheet 2
File Date 10-9-2006 by D.J.H.

Tidal Datums - NOAA

Station Information

Location: Galveston Bay, Texas

PDB 022 NOAA 87714501
 Latitude: 29° 18.8' N NOAA Chart: 11323
 Longitude: 94° 47.2' W USGS Quad: Galveston, TX

LEVELING POINT OF AQUATRAK CAL TUBE. TO REACH THE TIDE STATION FROM THE POST OFFICE ON THE WEST SIDE OF ROSENBERG AVENUE (25TH STREET) BETWEEN WINNIE STREET (AVENUE G) ON THE SOUTH AND CHURCH STREET (AVENUE F) ON THE NORTH, PROCEED NORTH ON ROSENBERG AVENUE FOR 0.40 KM (0.25 MI) TO THE INTERSECTION OF STRAND (AVENUE B) AND ROSENBERG AVENUE, TURN RIGHT ON STRAND AND PROCEED EAST FOR 0.3 KM (0.20 MI) TO 22ND STREET (KEMPNER AVENUE), THEN TURN LEFT AND PROCEED NORTH FOR 0.2 KM (0.10 MI) TO FISHERMANS WHARF RESTAURANT. THE BENCH MARKS ARE ON THE SEAWALL BEHIND FISHERMANS WHARF RESTAURANT, AT THE FOOT OF 16TH STREET, ON 20TH STREET, AND ON AVENUE B. THE TIDE GAGE AND STAFF ARE ON THE NORTH END OF THE DOCK FOR MOORING THE HISTORICAL SHIP ELLISA.

Elevations

These datums have been supplied to TCOON by the National Ocean Service. Official datums for this site should be retrieved from NOS directly (available here).

Status = NOAA
 Date Computed = 21-Apr-2003
 Length of Observations = 5 years
 Time Period = 1/1997-12/2001
 Control Station = (1983-2001)
 Accuracy = unstated

Elevations of datums above station datum:
 (click here for diagram)

		Meters	Feet				
Mean Higher High Water (MHHW)		1.765	5.79				
Mean High Water (MHW)		1.739	5.71				
Mean Tide Level (MTL)		1.584	5.20				
Mean Sea Level (MSL)		1.588	5.21				
Mean Low Water (MLW)		1.428	4.69				
Mean Lower Low Water (MLLW)		1.336	4.38				
Station Datum (STND)		0.000	0.00				
Bench mark elevations above datum:							
<i>NAVD '89</i>		<i>1.381</i>	<i>4.53</i>				
				Meters above			
Bench Mark Stamping	MHHW	MHW	MTL	MSL	MLW	MLLW	STND
				Feet above			
Bench Mark Stamping	MHHW	MHW	MTL	MSL	MLW	MLLW	STND

Bench Marks

Stamping	SPSN	Accepted Elevation	NGS PID
AQLP	0207	-	
AQLP	0208	-	
	0210	-	
7.151 1932	0211	-	AW0433
NO 32 1913	0215	-	AW0436
40 1935 RESET	0216	-	AW0569
41 1935 RESET 1961	0217	-	AW0570
NO 42 1943	0218	-	AW0434
J 305	0219	-	AW0437
1450 A 1989	0221	-	
1450 B 2002	0222	-	
1450 C 2002	0223	-	
1450 D 2005	0224	-	
1450 E 2005	0225	-	
1450 F 2005	0226	-	

Elev. 4.85' NAD'88 9.37' STA.
6.66'
5.75'
12.85'
4.64'
7.30'
11.16'
10.31'
17.40'
9.18'
11.82'
Diff. 4.92' ←
4.50
4.56
4.55
4.54 ←
4.52

Levels

Relative to station zero (m):

Leveling Date	Bench Mark														
	0207	0208	0210	0211	0215	0216	0217	0218	0219	0221	0222	0223	0224	0225	0226
12.12.1996	5.893	-	-	2.856	3.404	-	-	2.794	-	3.123	-	-	-	-	-
03.31.2000	5.892	-	-	2.856	3.401	-	-	2.793	3.598	3.123	-	-	-	-	-
12.06.2001	-	5.896	-	2.856	3.403	-	-	2.796	-	3.124	-	-	-	-	-
01.07.2003	-	5.893	7.718	2.856	-	-	-	2.796	-	3.123	3.221	3.151	-	-	-
02.10.2004	5.890	5.893	-	2.856	-	-	-	2.796	-	3.123	3.221	3.151	-	-	-
02.16.2005	-	5.897	-	2.856	3.403	3.143	5.304	2.797	3.603	3.125	3.222	3.152	2.881	2.595	3.050
02.28.2006	-	5.893	-	2.856	-	-	-	2.798	-	3.124	3.222	3.152	-	-	-
Accepted Values	-	-	-	9.27'	11.16'	10.31'	17.40'	9.18'	11.82'	-	-	-	-	-	-

✓ - primary water level adjustments have been verified for the indicated levels

Relative to PBM (m):

Leveling Date	Bench Mark														
	0207	0208	0210	0211	0215	0216	0217	0218	0219	0221	0222	0223	0224	0225	0226
12.12.1996	3.037	-	-	0.000	0.548	-	-	-0.062	-	0.267	-	-	-	-	-
03.31.2000	3.036	-	-	0.000	0.545	-	-	-0.063	0.742	0.267	-	-	-	-	-
12.06.2001	-	3.040	-	0.000	0.547	-	-	-0.060	-	0.268	-	-	-	-	-
01.07.2003	-	3.037	4.862	0.000	-	-	-	-0.060	-	0.267	0.365	0.295	-	-	-
02.10.2004	3.034	3.037	-	0.000	-	-	-	-0.060	-	0.267	0.365	0.295	-	-	-
02.16.2005	-	3.041	-	0.000	0.547	0.287	2.448	-0.059	0.747	0.269	0.366	0.296	0.025	-0.261	0.194
02.28.2006	-	3.037	-	0.000	-	-	-	-0.058	-	0.268	0.366	0.296	-	-	-
Accepted Values	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

✓ - primary water level adjustments have been verified for the indicated levels

Other Links

Retrieve nearby vertical marks from NGS database