

DOLLAR BAY LINE

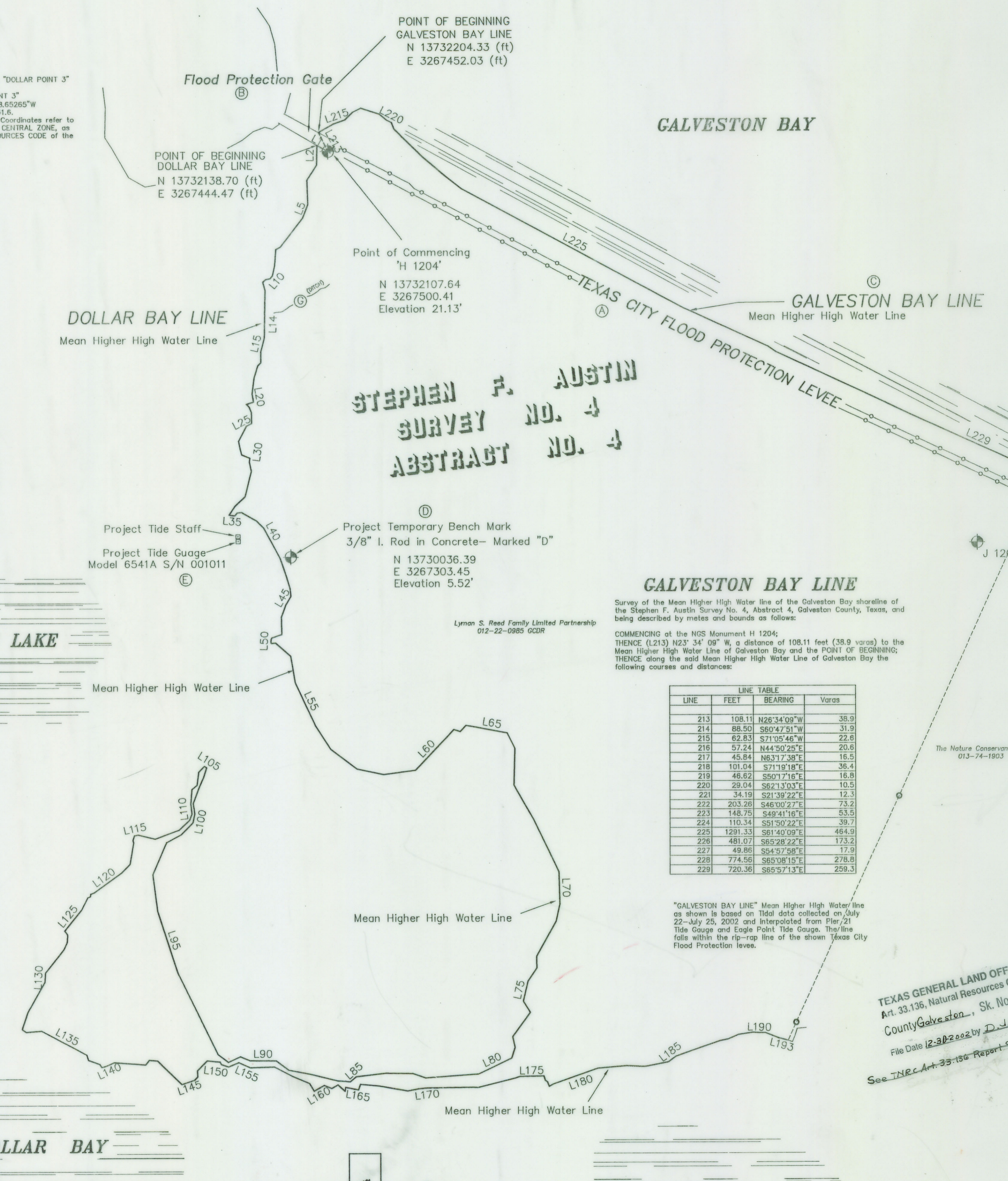
Survey of the Mean Higher High Water line of the Dollar Bay shoreline of the Stephen F. Austin Survey No. 4, Abstract 4, Galveston County, Texas, and being described by metes and bounds as follows:

COMMENCING at the NGS Monument H 1204; THENCE (L1) N60° 57' 04" W, a distance of 63.97 feet (23.0 varas) to the Mean Higher High Water Line of Dollar Bay and the POINT OF BEGINNING; THENCE along the said Mean Higher High Water Line of Dollar Bay the following courses and distances:

LINE TABLE with columns: LINE, FEET, BEARING, Varas. Contains 97 lines of survey data.

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NOTES: All elevations are referenced to NGS Monument "DOLLAR POINT 3" and do not reflect a MHHW tidal elevation. NAVD 88 adjustment Station Disk "DOLLAR POINT 3" NAD 83 (1993) 29 28' 00.13957"N 094 53' 38.65285"W Scale Factor 0.9998672 Convergence +2 00' 41.6. All bearings are Lambert Grid Bearings and all Coordinates refer to the STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, as defined by Article 21.071 of the NATURAL RESOURCES CODE of the State of Texas, NAD 83 Datum, 1993 Adj. All distances are grid distances.



POINT OF BEGINNING GALVESTON BAY LINE N 13732204.33 (ft) E 3267452.03 (ft)

POINT OF BEGINNING DOLLAR BAY LINE N 13732138.70 (ft) E 3267444.47 (ft)

Point of Commencing 'H 1204' N 13732107.64 E 3267500.41 Elevation 21.13'

STEPHEN F. AUSTIN SURVEY NO. 4 ABSTRACT NO. 4

Project Temporary Bench Mark 3/8" I. Rod in Concrete- Marked "D" N 13730036.39 E 3267303.45 Elevation 5.52'

Project Tide Gauge Model 6541A S/N 001011

Lyman S. Reed Family Limited Partnership 012-22-0985 GCDR

GALVESTON BAY LINE

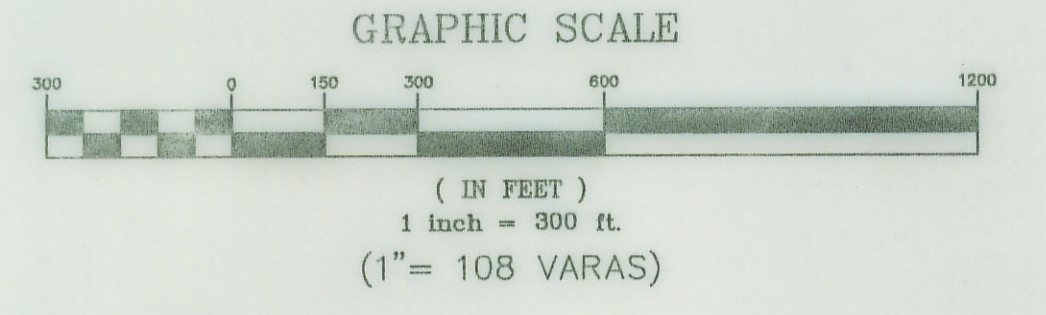
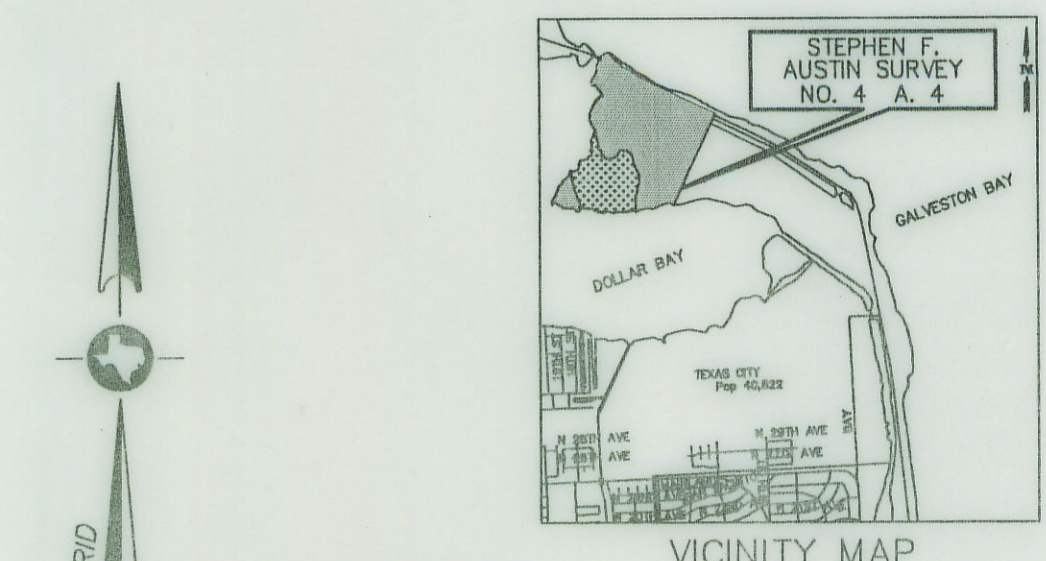
Survey of the Mean Higher High Water line of the Galveston Bay shoreline of the Stephen F. Austin Survey No. 4, Abstract 4, Galveston County, Texas, and being described by metes and bounds as follows:

COMMENCING at the NGS Monument H 1204; THENCE (L213) N23° 34' 09" W, a distance of 108.11 feet (38.9 varas) to the Mean Higher High Water Line of Galveston Bay and the POINT OF BEGINNING; THENCE along the said Mean Higher High Water Line of Galveston Bay the following courses and distances:

LINE TABLE with columns: LINE, FEET, BEARING, Varas. Contains 17 lines of survey data.

"GALVESTON BAY LINE" Mean Higher High Water line as shown is based on tidal data collected on July 22-July 25, 2002 and interpolated from Pier 21 Tide Gauge and Eagle Point Tide Gauge. The line falls within the rip-rap line of the Texas City Flood Protection levee.

TEXAS GENERAL LAND OFFICE Art. 33.136, Natural Resources Code County Galveston, Sk. No. 16 File Date 12-30-2002 by D. J. H. See TNrc Art. 33-136 Report 9



Tidal Datum at Eagle Point, Galveston Bay based on: LENGTH OF SERIES: 57 MONTHS TIME PERIOD: OCTOBER 1993-JUNE 1998 TIDAL EPOCH: 1960-1978 CONTROL TIDE STATION: 8771450 Galveston Pier 21, Galveston Channel. Tidal Datum at Galveston Pier 21, Galveston Bay based on: LENGTH OF SERIES: 5 YEARS TIME PERIOD: January 1990- December 1994 TIDAL EPOCH: 1960-1978

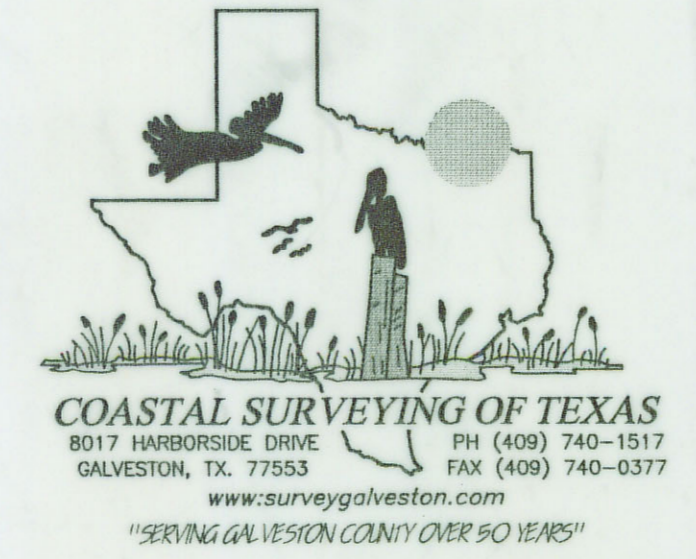
NOTICE: This survey was performed in accordance with Section 33.136, Natural Resources Code, for the purpose of evidencing the location of the shoreline in the area depicted in this survey as that shoreline existed before commencement of erosion response activity, as required by Chapter 33, Natural Resources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

Revised October 25, 2002 September 24, 2002 I hereby certify that the above described property was surveyed in the field according to law by me on the above referenced dates, and that the above map together with dimensions and coordinates is true and correct as of the above date.

COASTAL SURVEYING OF TEXAS Sidney Bouie Registered Professional Land Surveyor No. 5287 email: sid@surveygvalveston.com

Field Personnel were: Patrick A. Jordan, Derrick Piper, Roger Myers

THIS MAP RECORDED IN BOOK 1, PAGE 219, COUNTY SURVEYORS RECORDS, GALVESTON COUNTY, TEXAS ON OCTOBER 10, 2002.



SURVEYORS REPORT ON THE
MEAN HIGHER HIGH WATER LINE SURVEY OF THE
STEPHEN F AUSTIN NO. 4 SURVEY
GALVESTON COUNTY ABSTRACT 4

I surveyed the line of Mean Higher High Water of the Stephen F. Austin Survey No. 4 in Galveston County, Texas, as authorized by Lyman Reed, owner, and in my capacity as Licensed State Land Surveyor for the State of Texas.

HISTORY

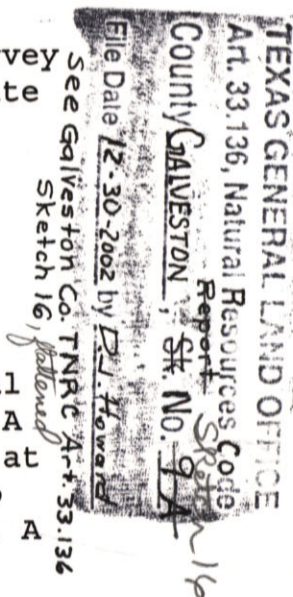
Stephen F. Austin No. 4 Survey is a survey of "3 Labors of land on the west margin of Galveston Bay, to include the Northern part of the place called Dollar Point". It is a portion of the 5 Leagues and 5 Labors of premium land granted to Stephen F. Austin on February 25th, 1832. These premium lands were compensation to Stephen F. Austin for one hundred families he, as Empresario, settled in the "littoral belt on vacant lands between the Lavaca and San Jacinto Creek" as prescribed by the State Colonization Law of March 1825, State of Coahuila and Texas.

The included field notes (Pg 3) can be found in the Archives and Records Division of the General Land Office, 1700 N. Congress, Austin Texas. The County Surveyors records as found in the office of the County Engineer, 123 Rosenberg, Galveston, Texas 77550 contain field notes of a shoreline survey on February 9th, 1847 by R. M. Sais, County Surveyor of Galveston County, in Field Book 6 Page 73 and included as (pg. 4). The U. S. Army Corps of Engineers constructed a flood protection levee (A) across this survey in the mid 1960's together with flood protection tide gate (B). A by-pass ditch was cut at location (G) during the construction of the flood protection gate and levee. My line crosses this ditch at Line (L14).

CONSTRUCTION

The tide Gate (B) was considered as a possible tidal restriction to the waters of Dollar Bay and Moses Lake. A "Unidata" electronic tide gauge was set up and operated at location (E). A conventional project tide staff was also set up and used for control check and data verification. A 3/8" iron rod in concrete was found at location (D). Project tide information was collected for three tide cycles on July 22- July 25, 2002 (pgs 5-33). Using the USGS (now NGS) publication TIDAL DATUM PLANES by H. A. Marmer reprinted in 1977, the value for the Mean Tide Line was calculated referencing Eagle Point, Galveston Bay Tide Gauge (pgs 50-66). The value for Mean Higher High Water was calculated from the Mean Tide Line (pg 34). The results are shown on page 35 of this report. The Mean Higher High Water line was transferred to the shoreline of Dollar Bay and surveyed on the ground between July 30th and September 20th 2002.

The Galveston Bay shoreline (C) is reinforced with concrete riprap as protection for the said flood protection levee. Most of the Galveston Bay side Mean Higher High Water line is within the limits of this existing riprap.



The elevation of this line was established referencing the tide gauge information from the said Eagle Point, Galveston Bay tide gauge and the Galveston Pier 21, Galveston Channel tide gauge (pgs 67-83) from July 22nd-July 25, 2002. An interpolation based on distance from each tide gauge was used to establish the Higher High Water elevation on the Galveston Bay side.

The adjoining map represents the location of the lines so located on these days. Included with this report are the various data sheets and notes associated with this project.

The Map pages 1&2 were recorded in the County Surveyors Records in the Office of the County Engineer, Galveston County, Texas and recorded in Book I, Page 219 of the County Surveyors Records, Galveston County, Texas on October 10, 2002.



Sidney Bouse
Licensed State Land Surveyor
RPLS 5287



23 of 144
 Field Notes of a League of Land
 Surveyed for S. J. Austin 13.9 miles
 on the East side of Mill Creek
 when the upper line of Cummins
 Mill Tract intersects S. Creek
 Thence up the Creek with the
 meanders thereof N 43 E 2700
 Thence N 47 W at 1000 feet touched
 a point of the Creek at 1380 feet
 offset S 43 W 100 feet to the Creek
 at 1580 feet touched a point of
 the Creek at 3690 feet offset S 43 W
 870 feet to the Creek Thence back on
 the same line 230 feet Thence
 N 47 W at 800 feet touched a point
 of the Creek at 760 feet offset S
 43 W 130 feet to the Creek at 960
 feet offset S 43 W 80 feet to the Creek at 1160 feet
 offset S 43 W 130 feet to the Creek Thence
 N 47 W 300 feet to the forks of
 the Creek Thence up the west fork

TEXAS GENERAL LAND OFFICE
 Art. 33, 136, Natural Resources Code
 County GALVESTON
 Report No. 98
 16
 File Date 12-30-2002 by D. J. HOWARD

FB6

73
 Survey of 3 Labors of Land in
 ollar Grant for the Estate of
 Stephen F. Austin -
 Beginning at a stake & mound from
 which Mr Millers house bears S
 43° W 220 V. distant - thence with
 the meanders of Galveston Bay as
 follows West 25 V. N 22° V. West
 340 V. North 130 V. West 200 V.
 North 149 V. West 200 V. N 155 V.
 W 230 V. North 178 V. W 170 set
 a stake. North 145 W. 100. North
 130. and back to station stake
 Thence W 70 V. South 1340 West
 160 - South 200 West 250
 South 200 W 170 S 200 E 170 North
 150. East 310 S. 70 E 470 N 180
 E 1065 set a stake on a mound
 on Miller Bay for the SE corner of
 this labor lot - thence N 114 V.
 to the place of lay survey entrance
 3,000 000 00 V.
 Filed 9th 1847

TEXAS GENERAL LAND OFFICE
 Art. 33.135, Natural Resources Code
 COUNTY GALESBORO
 Report
 No. 70
 File Date 12-30-2002 by D.J. Howard