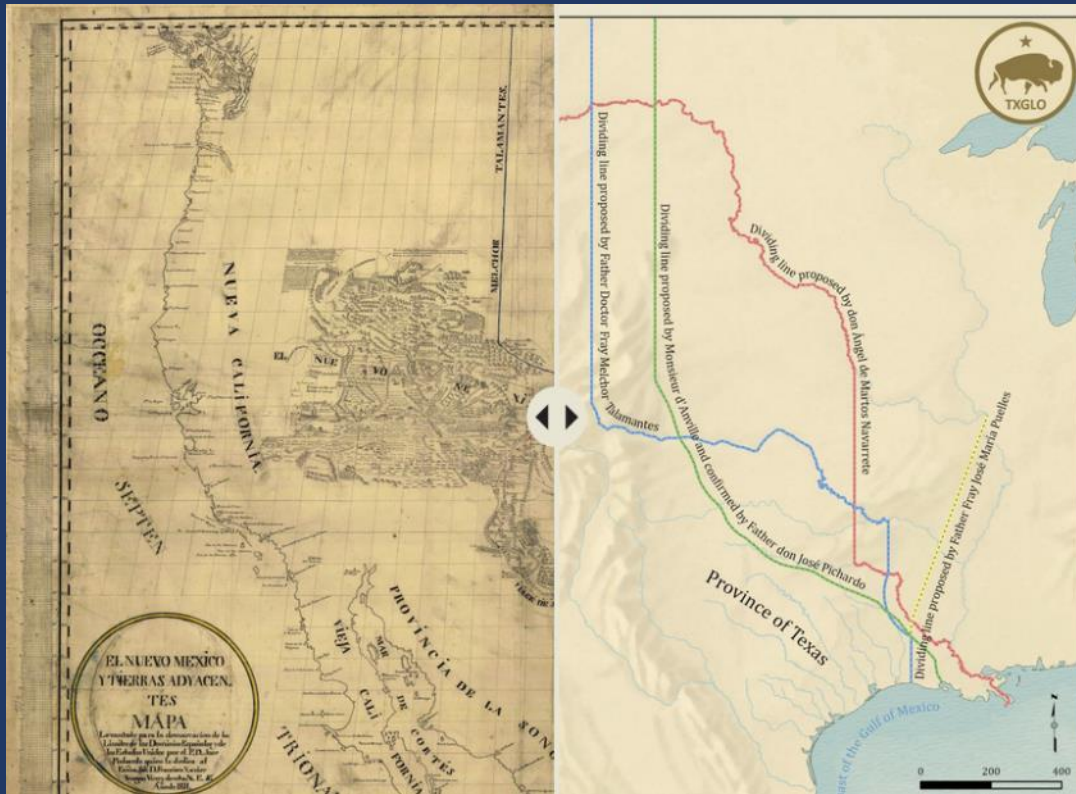


Unmasking the Archives



[Texas General Land Office's Geospatial Team and Archives and Records Division's collaboration and launch of a new map store.](#)

Lynnette Cen, Outreach Archivist
Kelsey Bonnell, GIS Analyst
Thomas Wang, GIS Analyst





Texas General Land Office (GLO) (est. 1836/1837)


Archives and Records

- Created to collect and keep land records, provide maps and surveys, and issue land grants
- 45 million+ historical documents
- 45,000+ historical and modern maps



Education Outreach

- Create lesson plans using documents and maps from our archives



East Texas Oil Boom

Maps are a tool that helps humans make sense of—and impose order onto—their environment. Maps can provide information about spatial relationships in the landscape (where things are in relation to each other), political boundaries, infrastructure and transportation routes, locations of significant events, geology, and many other things.

It is important to note that maps are subjective. What they include—and leave out—reflects the purpose, point of view, and priorities of their creator. It is the reader's job to decipher the code of what a map is for is not trying to communicate.

1 Summarize the General

(where, what, when, where, why?) (Map 1 and Map 2)

To fully understand a map, we must begin with its parts. Common features include a title, creator (could be an individual and/or an organization), date, symbols, boundaries, a legend or key, scale, etc. All of this information provides clues about the map's purpose(s). For both of your maps, identify the following:

| | Map 1 | Map 2 |
|---|-------|-------|
| Title | | |
| Creator(s) | | |
| Year & Place Created | | |
| Region(s) or area(s) shown | | |
| Summarize map type (what is the map "about"?) | | |
| Include any features (Compass rose, etc.) | | |

Next, discuss and record short answers on your own paper for the following questions:

- 1. How do you think the map creator got the information shown in the map (e.g., from firsthand measurements or observations)? From another source? What makes you think that?
- 2. How reliable or accurate do you think the map is? Why or why not?
- 3. Why do you think this map was created (what is its purpose)? What makes you think that?
- 4. Historical context: What political, social, economic, or other events or developments were happening around the time the map was created that would help us understand it better?

2 Examine the Specific

(Map 2)

Make a list of details or observations from the map that stand out to you ("standing out" can include details or information that is confusing, seems significant, or reflects a pattern). If it helps, try to group your details or observations into specific categories.

From that list, come up with at least three questions. These questions should be based on something that intrigues you about the map—a topic that, if you had to write a research paper based on this map, you would want to learn more about.

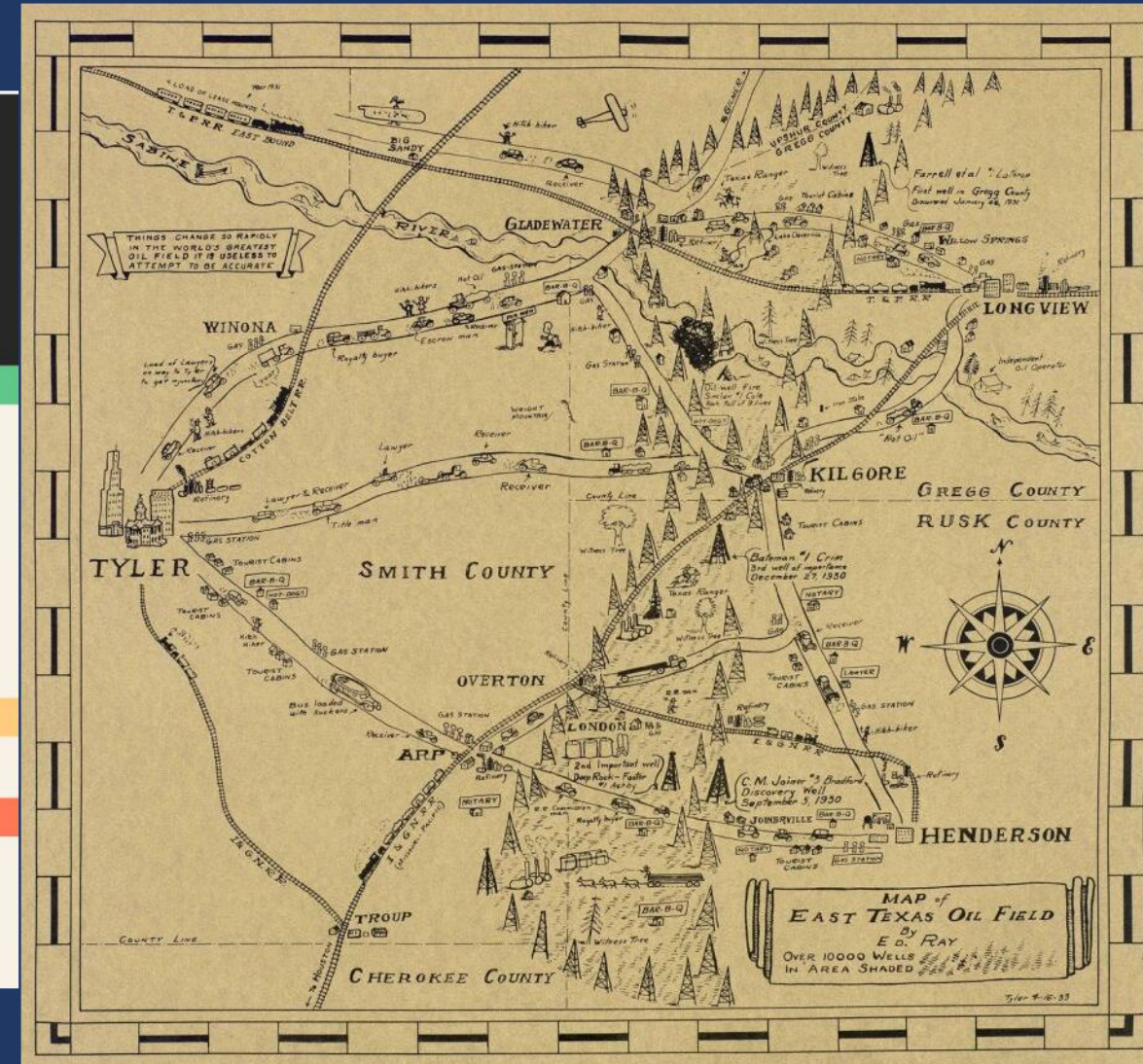
3 Plan the Next Step

An important part of understanding documents from the past is comparing them with other sources of evidence. Discuss in your group and record short answers to the following questions:

Which of the sources to the right would help you answer your questions? Can you provide specific examples of what type of information they might have (or, if it relates to your questions).

What important information might your selected sources not provide you, or how might the information you had be misleading? Can you provide examples.

| Local & State Newspapers | Oil industry records (including bookkeeping) | City government records | |
|---|--|--|--|
| Business Photographs | Oil company records | Legislative records | |
| Federal or state records | Books (including ones from the early 1900s) published by or for the oil industry | Early 20th century maps of the area | |
| U.S. Census 1870 or later (especially 1900) | Oil and history interviews | Historical maps of the area | |
| Local/Personal correspondence | Published or unpublished letters and correspondence | Yellow pages or an encyclopedia with related information | |
| Published books/articles by scholars | | | |



Map #93949

E. Ray, Map of East Texas Oil Field, 1933.

<https://historictexasmaps.com>



Education Outreach

- Provide scheduled in person tours
- Tours tend to last between 30 minutes to an hour and focus on the visitor's area of interest.



GLO Maps

Collections Strengths

- Western Hemisphere, circa 1535-1900
- North America, circa 1650-1900
- United States, circa 1774-1900
- American West, circa 1840-1900
- American Southwest, circa 1844-1900
- Texas, circa 1822-1990
- Mexico, circa 1600-1900
- County Maps, circa 1837-1950
- City and Town Maps, circa 1839-1900
- Railroad Maps, circa 1854-1940
- Colony and District Maps, circa 1824-1850



Education Outreach

The GLO Archives houses the only known draft of the Texas Constitution, documents signed by Sam Houston or Stephen F. Austin, and beautiful maps as old as 1525.

Map #96578

From the 1525 edition of "Claudii Ptolemaei Alexandrini Geographicae", first published in 1522.

<https://historictexasmaps.com>



Texas General Land Office
Dawn Buckingham, M.D., Commissioner



New Map Store

historictexasmaps.com

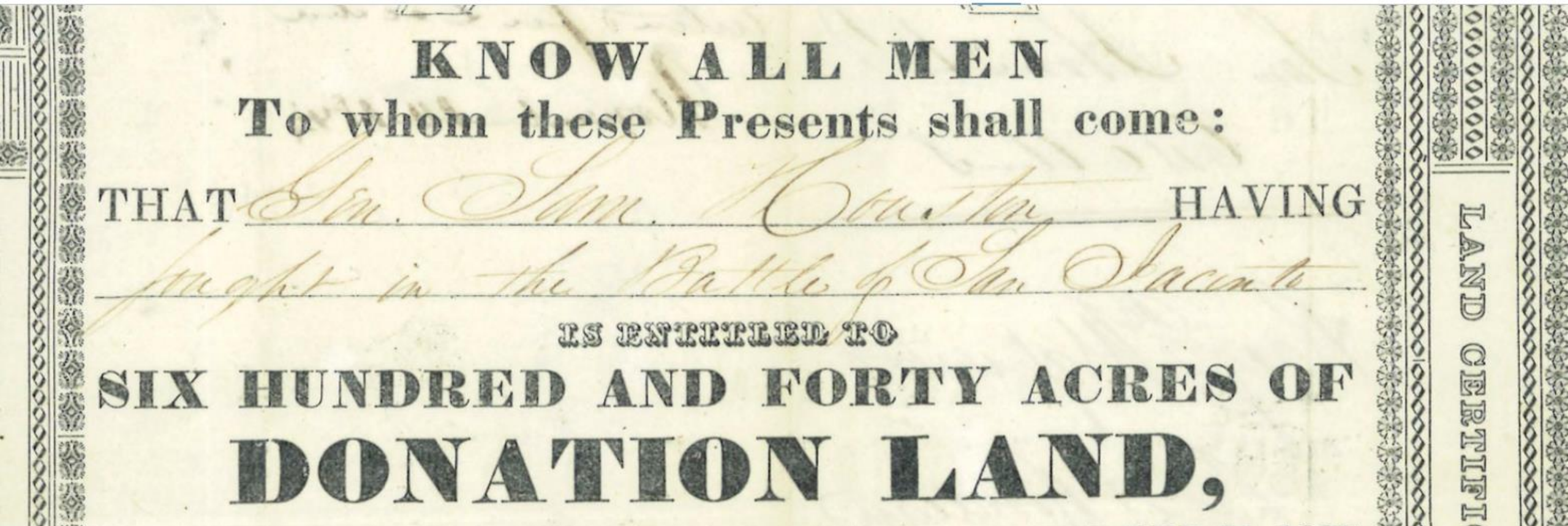
GLO.TEXAS.GOV

[FACEBOOK](#) [TWITTER](#) [YOUTUBE](#) [MEDIUM](#)



Texas GLO Map Database and Store

[Home](#) [Search](#) [Showcase](#) [About](#) | [Login](#)   



New Map Store

We also have our documents available on our website called the Map Store. Over 35 million documents and all 45 thousand of our maps are digitized and are available to view and we are continuously scanning documents to make available online.



New Map Store

GLO.TEXAS.GOV

FACEBOOK TWITTER YOUTUBE MEDIUM



Texas GLO Map Database and Store

Home Search Showcase About

Login



Diefert Situs Orbis Hydrographorum ab eo quem Ptolomeus Posuit

Buy Print \$20.00

Buy Digital \$50.00



Download PDF

From the 1525 edition of "Claudii Ptolemaei
Alexandrini Geographicae", first published in 1522.

Map/Doc
96578

Collection
[General Map Collection](#)

Object Dates
1525 (Edition Date)
1522 (Creation Date)

People and Organizations
[Laurent Fries] (Cartographer)

New Map Store

GLO.TEXAS.GOV

FACEBOOK TWITTER YOUTUBE MEDIUM



Texas GLO Map Database and Store

Home Search Showcase About | Login   

Home / Search

Search & Shop

Collection 

County 

Year 

Subject 

Popular maps





Home / Showcase

Showcase



Texas Hidden History: GLO StoryMaps



Latest Acquisitions



Texas Hidden History: GLO StoryMaps

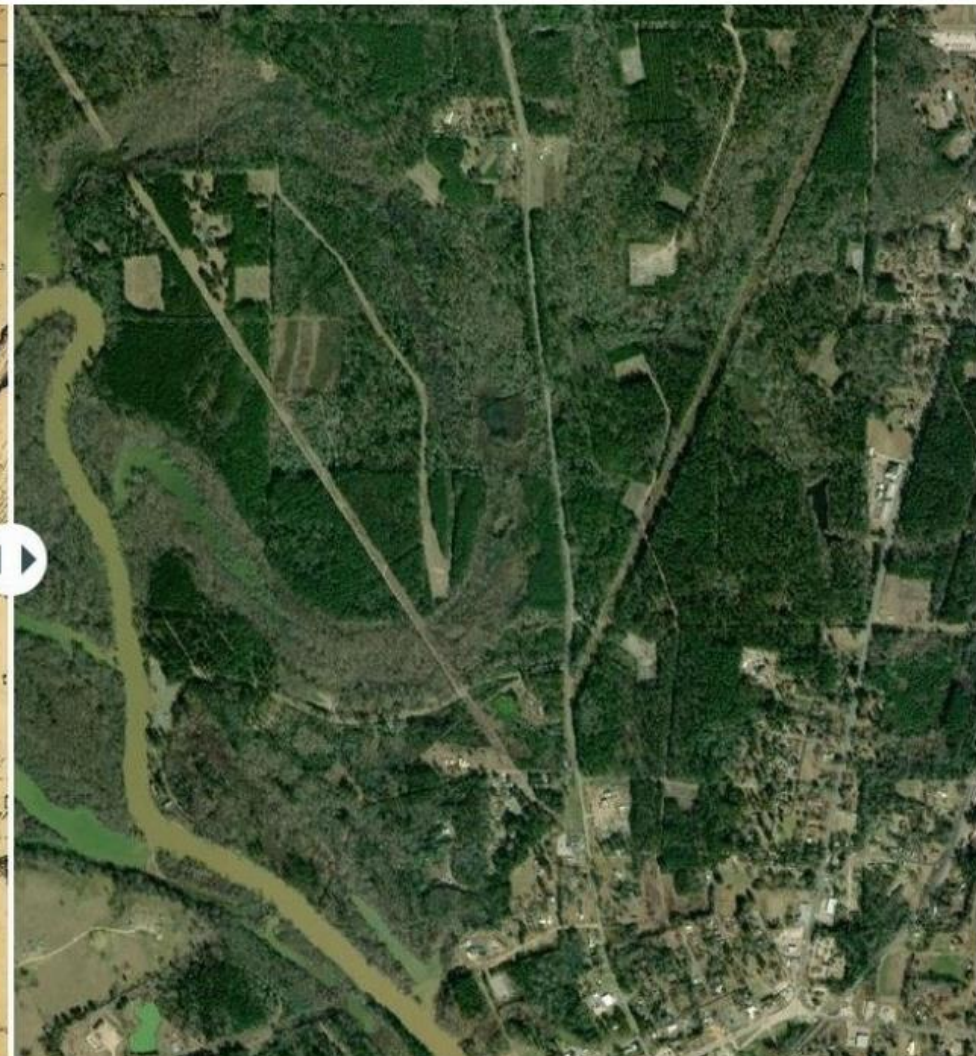
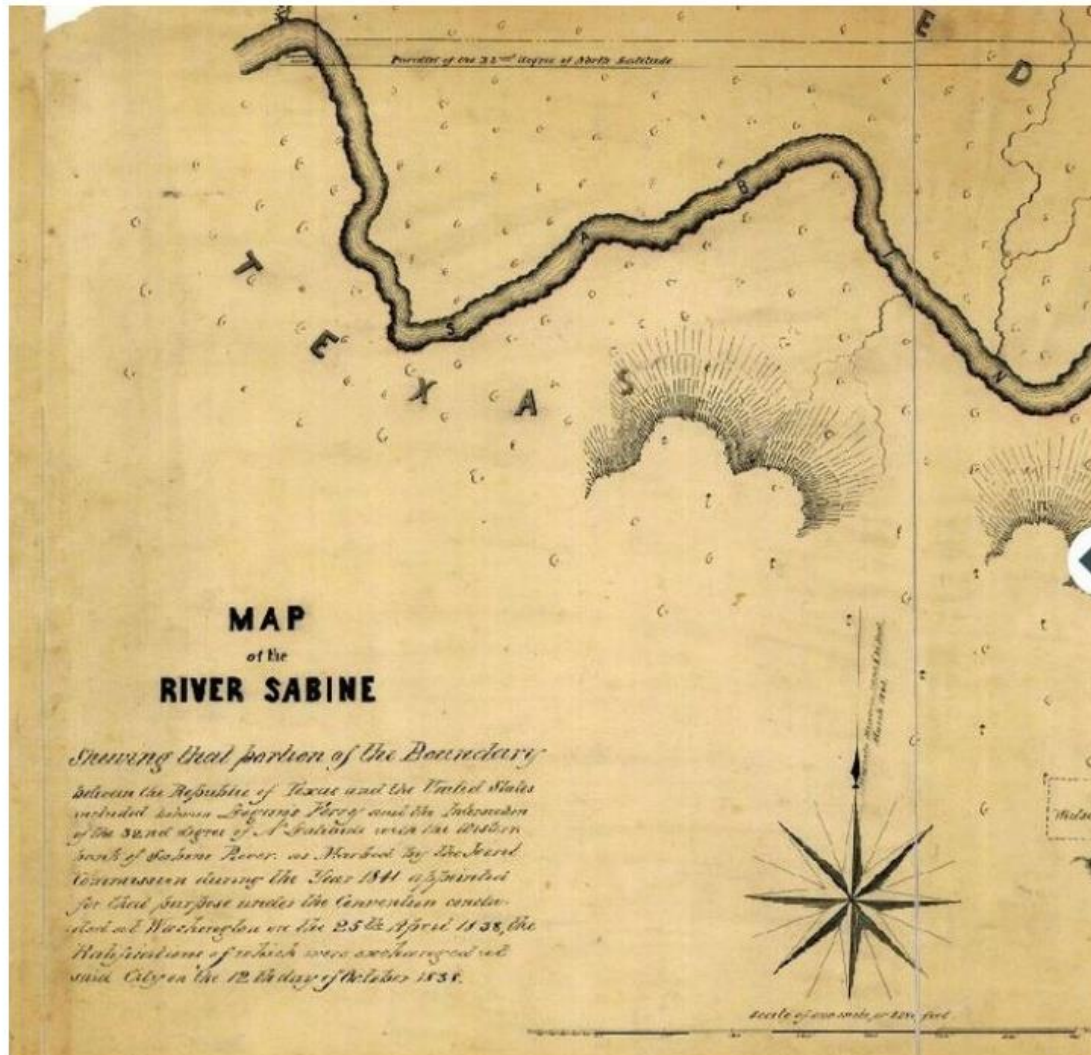


CHART
OF
YELLOW FEVER
IN THE
United States

Giving Elevations above Sea-Level of Localities where
Yellow Fever has appeared since A.D. 1668.

Prepared by
Dr. J. M. TONER

to accompany his paper on

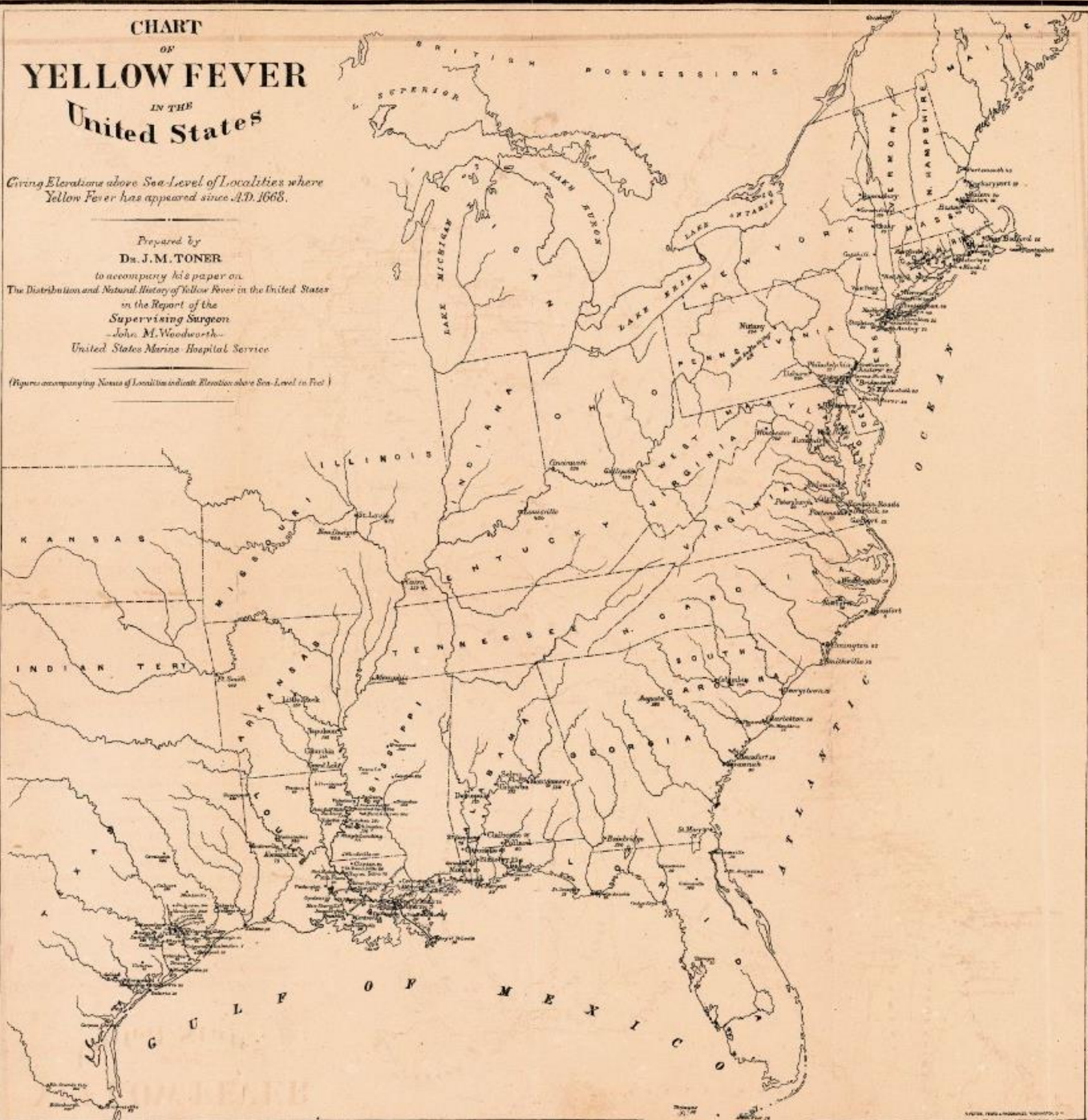
The Distribution and Natural History of Yellow Fever in the United States

on the Report of the
Supervising Surgeon

John M. Woodworth

United States Marine Hospital Service

(Figures accompanying Names of Localities indicate Elevation above Sea-Level in Feet)



StoryMaps

- Start a StoryMap by highlighting 1 document or map from our collection
- Then add images and text

Map #95701

J.M. Toner and J. Woodworth, Chart of Yellow Fever in
the United States, 1874.

<https://historictexasmaps.com>

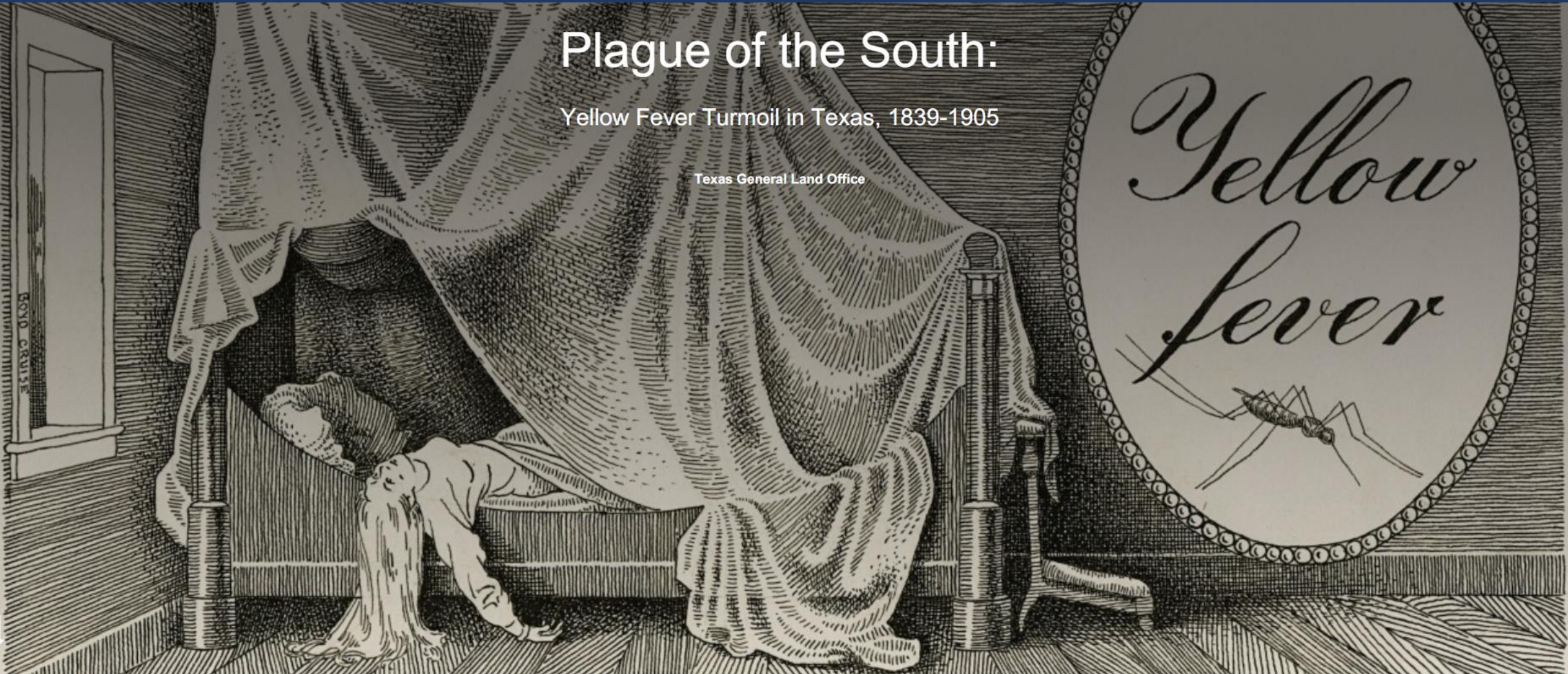
Texas General Land Office
Dawn Buckingham, M.D., Commissioner



Plague of the South:

Yellow Fever Turmoil in Texas, 1839-1905

Texas General Land Office



StoryMaps

In the nineteenth century, the dreaded yellow fever haunted Texans with sickness and horrific death until its final epidemic in 1905. Beginning in 1839, it plagued much of the South almost every summer. A whisper of the disease nearby could cause panic, forcing thousands to flee to uninfected places. The mysterious disease, the vector for which was not discovered until 1900, earned the name "yellow fever" because it caused liver failure and jaundice (yellowing of the skin).



(left) *At the Gates: Our Safety Depends Upon Official Vigilance*, 1885. Courtesy of the U.S. National Library of Medicine. (right) José Guadalupe Posada, *Death of Aurelio Caballero Due to Yellow Fever in Veracruz*, 1892. Courtesy of The Met Museum of Art.

StoryMaps

Transcript:

Galveston Isl. Sept. 14th 1864

Col Thos Wm Ward

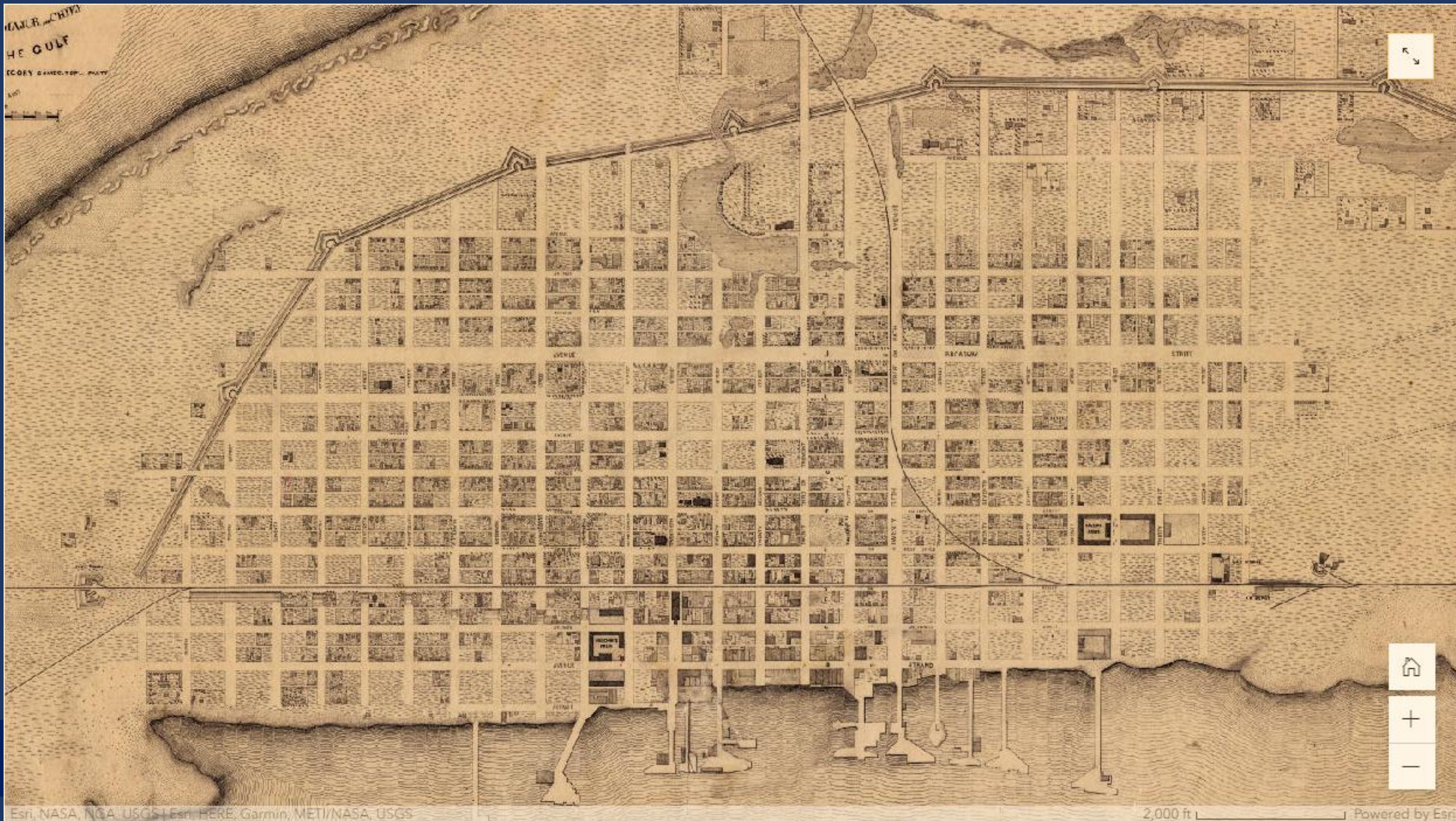
My dear father I have delayed writing for the last two or three days in expectation of receiving a letter from you; and my disappointment was very great when the mail which has just opened brought not a single line. I am grateful to say that my health continues to be good, and I hope will still be for some time in spite of epidemics etc. **The physicians one and all have pronounced the prevailing disease 'Yellow fever,' there are upwards of a hundred cases of it, and although it is in rather a mild form, yet from two to five persons are buried every day...**

Texas General Land Office
Dawn Buckingham, M.D., Commissioner



Galveston Isl. Sept 14th 1864
Col Thos Wm Ward
My dear father
I have delayed writing for the last two or three days in expectation of receiving a letter from you; and my disappointment was very great when the mail which has just opened brought me not a single line. I am grateful to say that my health continues to be good, and I hope will still be for some time in spite of epidemics etc. The physicians one and all have pronounced the prevailing disease 'yellow fever,' there are upwards of a hundred cases of it, and although it is in rather a mild form, yet from two to five persons are buried every day. Children especially suffer from it, and more of them die than adults, and in most cases, if the fever is any but they generally die. As for myself, I am doing remarkably well, and have not felt the least inconvenience as yet, although I visit all of my friends who are sick. I am at present Surgeon Major of the post, and my duties do not compel me to go out in the sun, then again I have no fears of the disease, which are two points gained yet I do not know at what moment I will have to take my bed. Col. Nichol Smith is down, but not with the yellow fever, but rather a congestive attack caused by overloading his stomach and over exertion afterwards, I think however he will be up in a few days; previous to his sickness he was making himself very useful in attend.

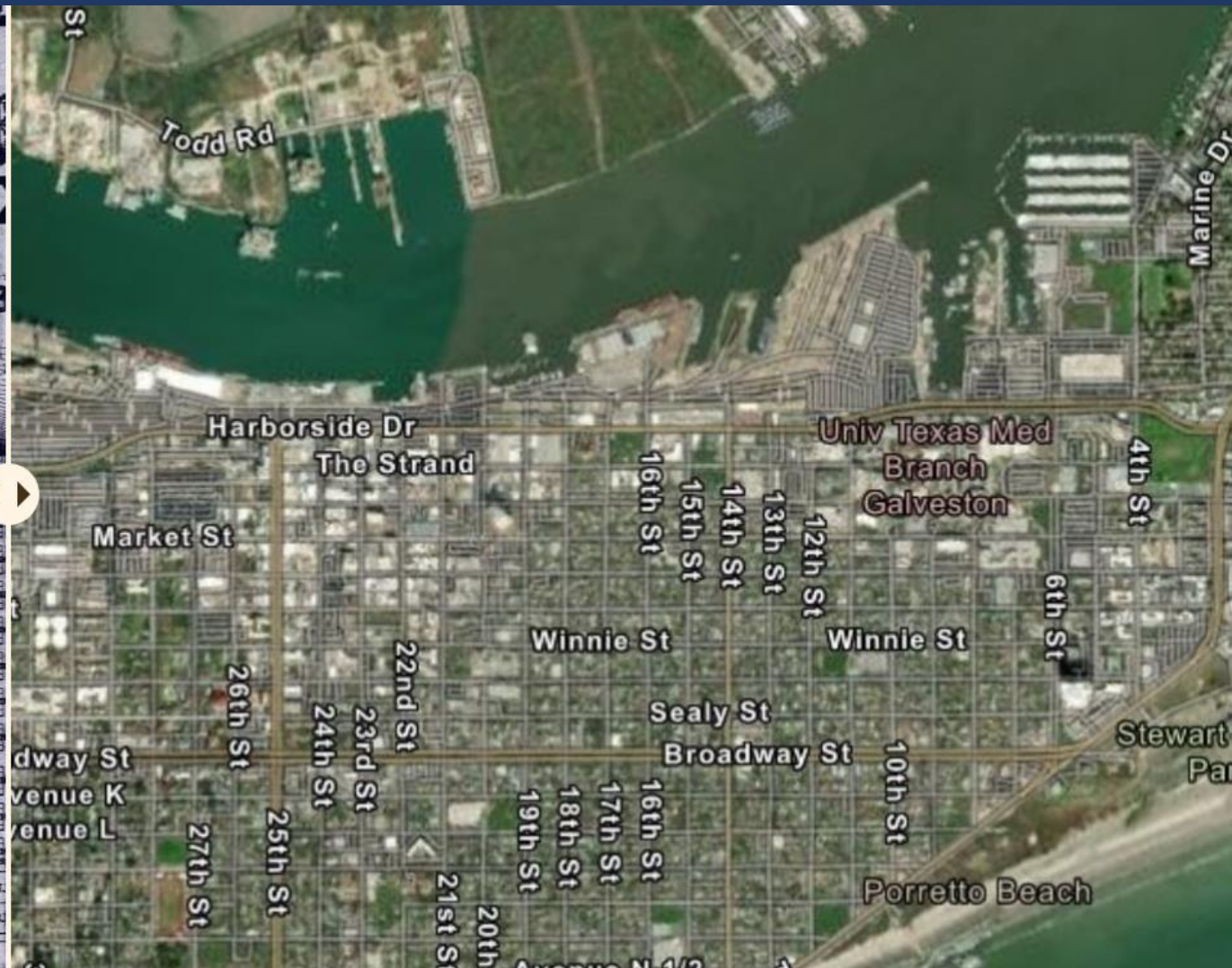
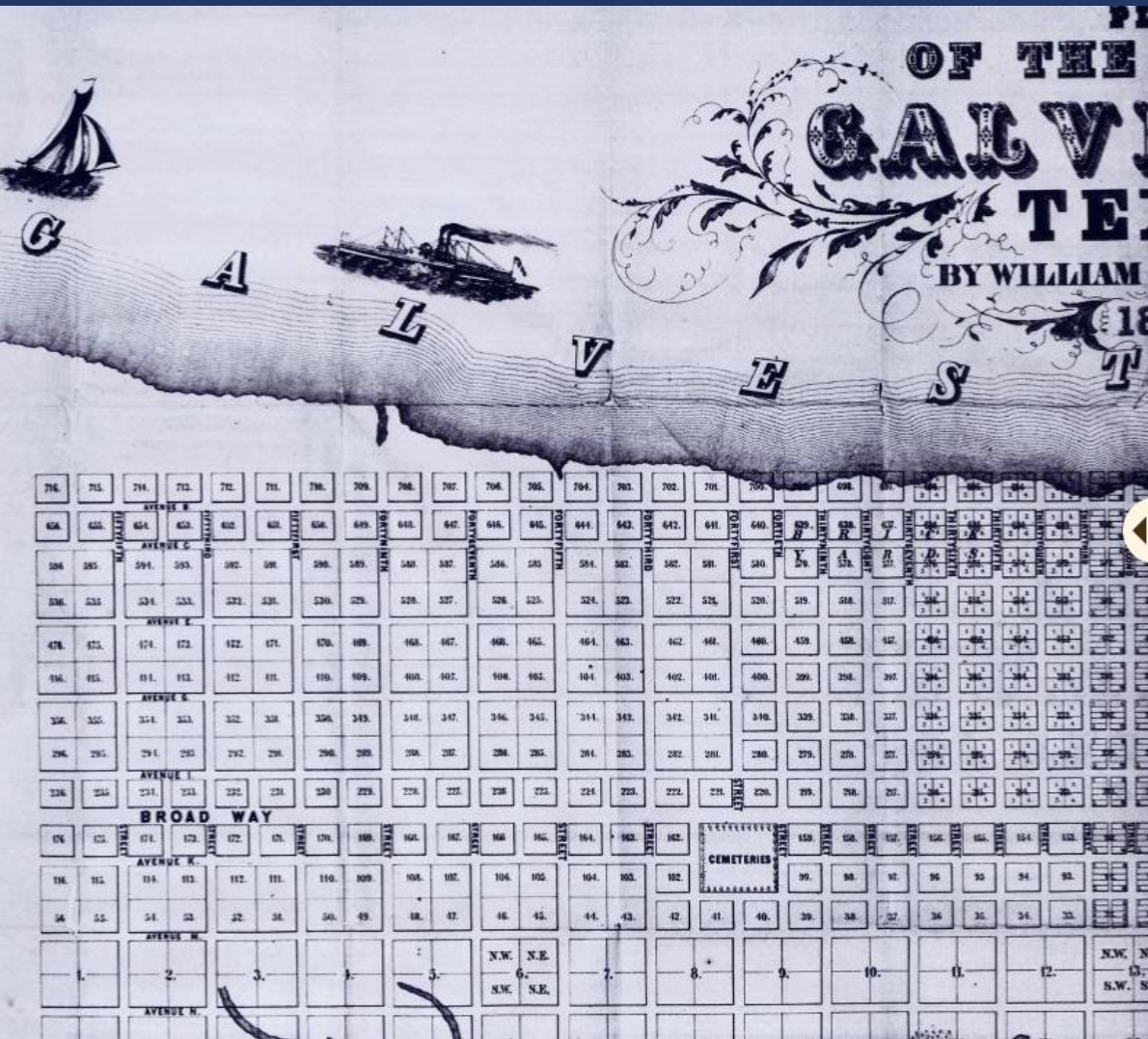
StoryMaps



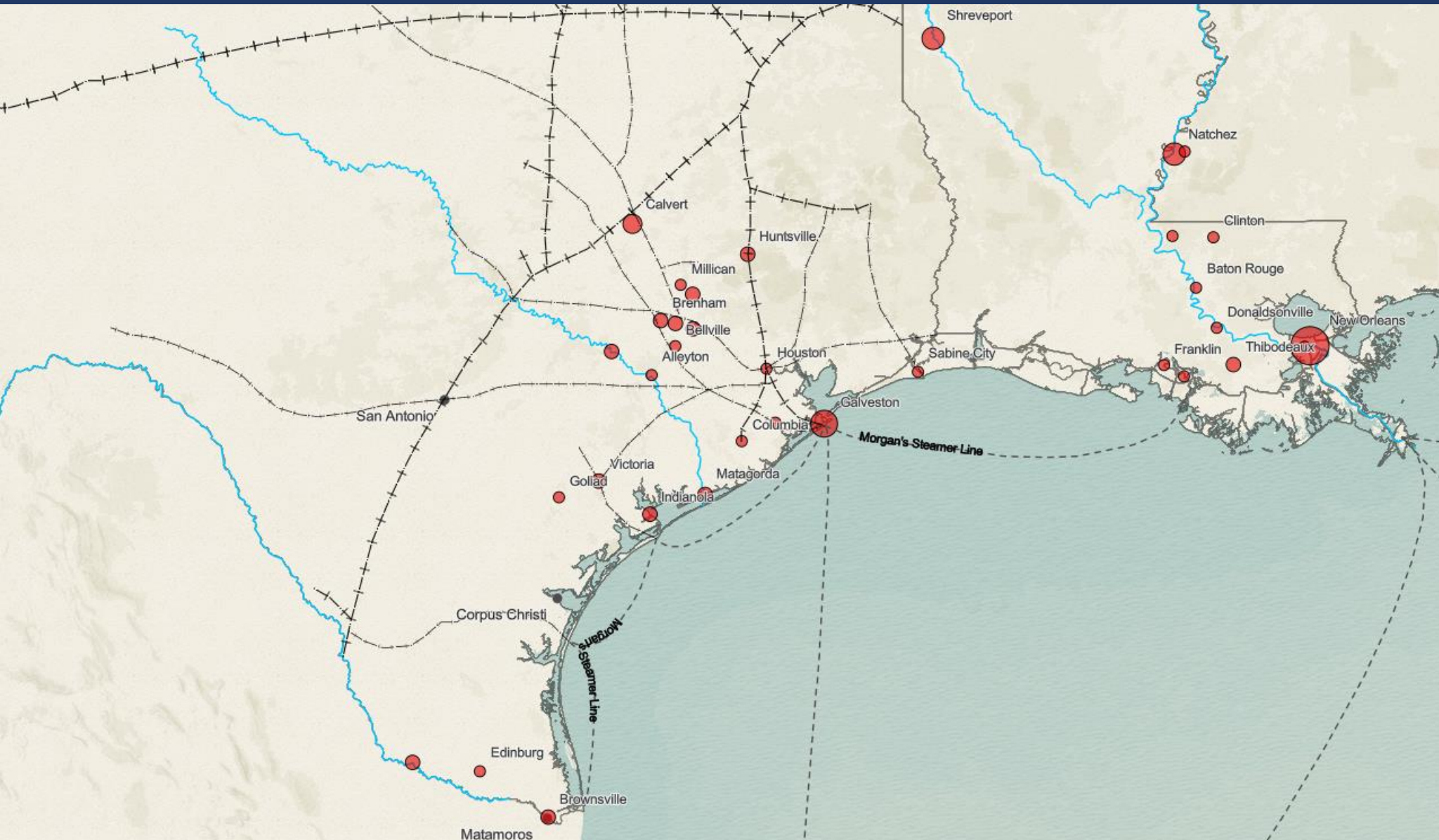
Click on the Galveston map to the left to zoom in and explore the city layout during the American Civil War.

Move the slider below to see the contrast between a nineteenth-century map display of Galveston Island and present-day aerial images:

StoryMaps



StoryMaps



Click on the cities for more detail on yellow fever outbreaks in the interactive map to the left.



Yellow Fever Deaths in Texas and Louisiana 1791 - 1873



Compiled by Angela Maione and Lynnette Cen, 2022. Yellow fever data from Annual Report of the Supervising Surgeon General of the Marine Hospital Service of the United States, 1873. Shipping routes based on Map of the Southwest Railway System, published by Rand McNally and Company, printed in 1883. Basemap courtesy of Esri. The Texas General Land Office makes no representations or warranties regarding the accuracy or completeness of the information depicted on this map or the data from which it was produced. This map IS NOT suitable for navigational purposes and does not purport to depict or establish boundaries between private and public land.

StoryMaps

- Creating GIS Education maps or static maps



GIS Educational Maps

Archives and Records staff members along with GLO interns have been developing a series of maps to "align with the state's curriculum standards, the Texas Essential Knowledge and Skills (TEKS). All are painstakingly researched and name the primary and secondary sources consulted, which include historical documents and maps in the GLO collection."

All maps are a collaboration with an Archives and Records staff members and interns and staff members of the Geospatial team.



<https://www.historictexasmaps.com/showcase/showcase/gis-educational-maps.com>

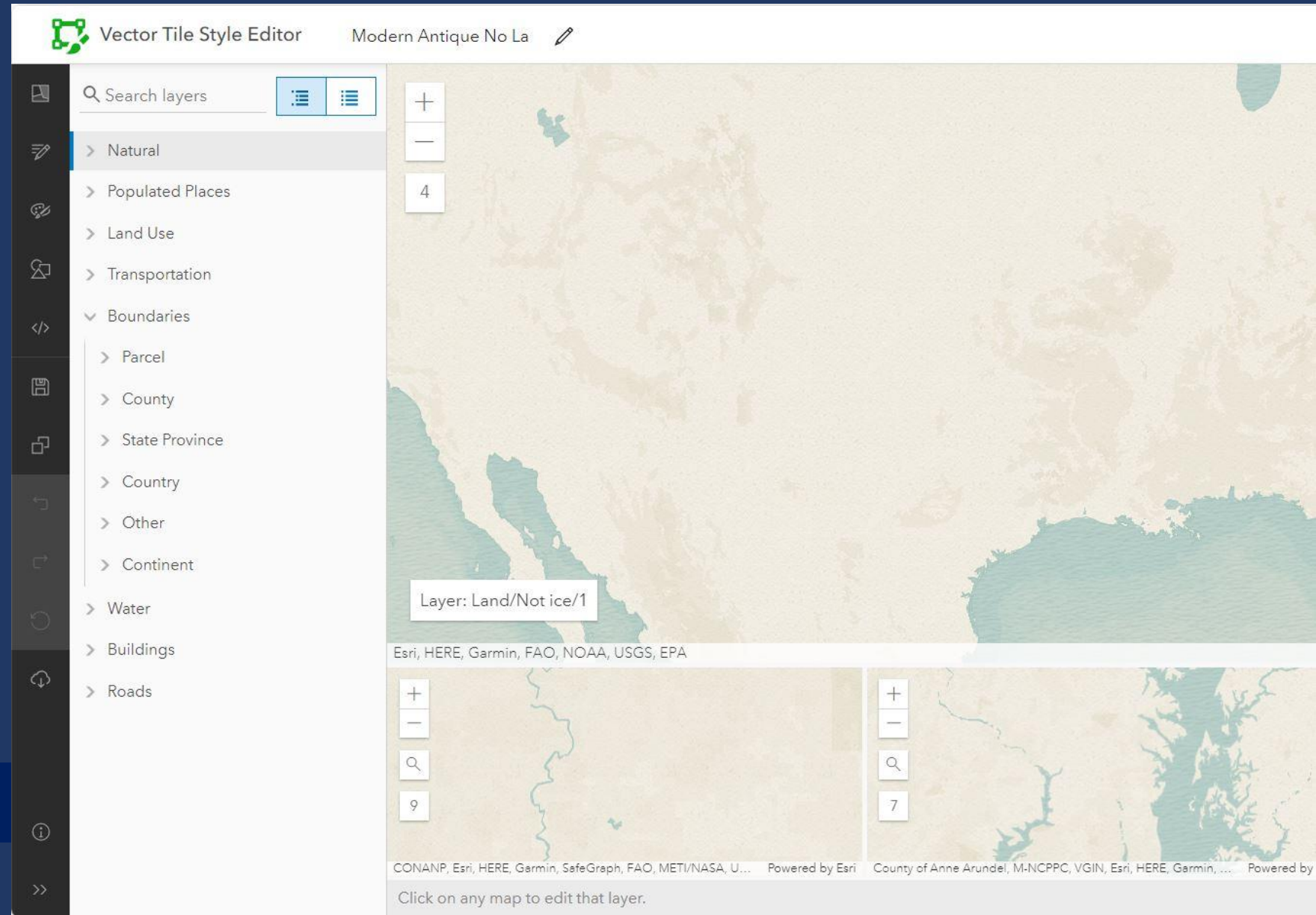
Texas General Land Office
Dawn Buckingham, M.D., Commissioner



GIS Educational Maps

Challenges of creating historical maps, not accurate to modern-day.

- Customizing vector tile base maps
- Finding historical data
 - National Historical GIS
 - Census
- Creating historical data
- Creating highly stylized maps and visualizations



GIS Educational Maps

GLO.TEXAS.GOV

FACEBOOK TWITTER YOUTUBE MEDIUM



Texas GLO Map Database and Store

Home Search Showcase About | Login   

Home / Showcase / GIS Educational Maps

GIS Educational Maps



Geospatial Internship

Our team hosts an internship program with Texas colleges and universities.

Any student of a Texas college or university can apply. The work can be done 100% remotely.

Majority of the work done through ArcGIS Online and Microsoft Teams.



<https://www.glo.Texas.gov/land/land-management/gis/internship.html>

Texas General Land Office
Dawn Buckingham, M.D., Commissioner



Geospatial Internship

We've had interns from Austin Community College, University of Texas, Texas State University, Texas Tech, Texas A&M, etc.

We are open to all students of higher education in Texas, including private schools.

Interns are actually employees of their school and fulfill a contract with our agency.



TEXAS TECH UNIVERSITY



THE UNIVERSITY OF
TEXAS
— AT AUSTIN —



TEXAS A&M UNIVERSITY
CORPUS CHRISTI



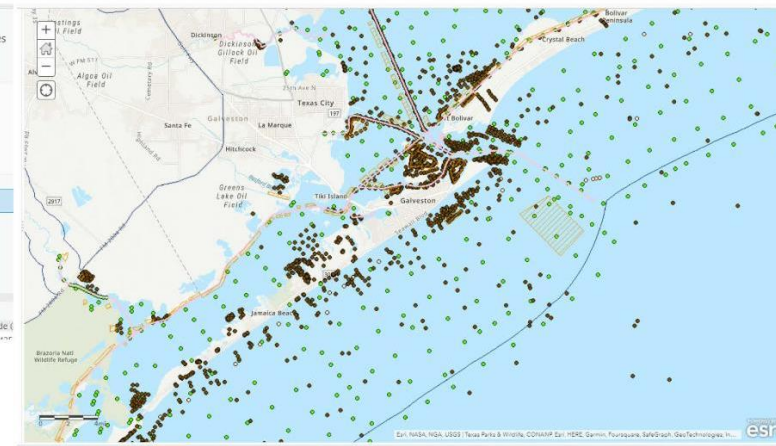
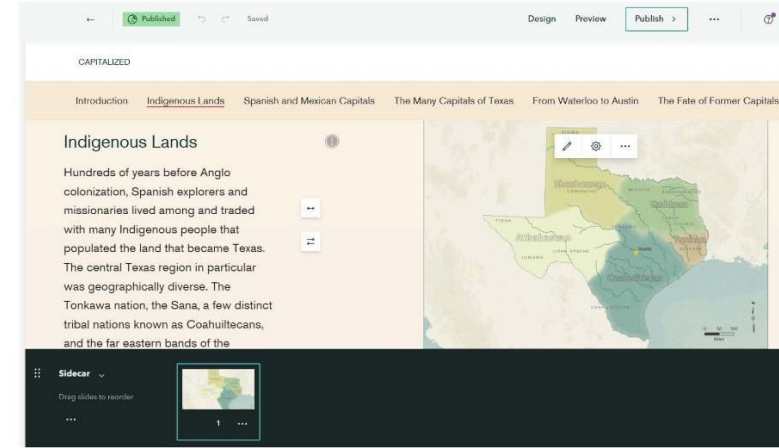
Geospatial Internship

Interns are involved in some of our highest priority projects.

- Texas Hidden History - Archives and Records
- TXSed – Coastal
- ReGen - TXGIO Strategic Initiative

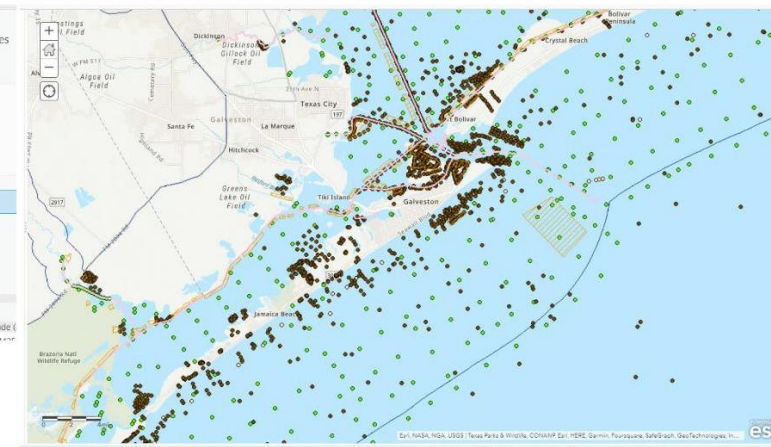
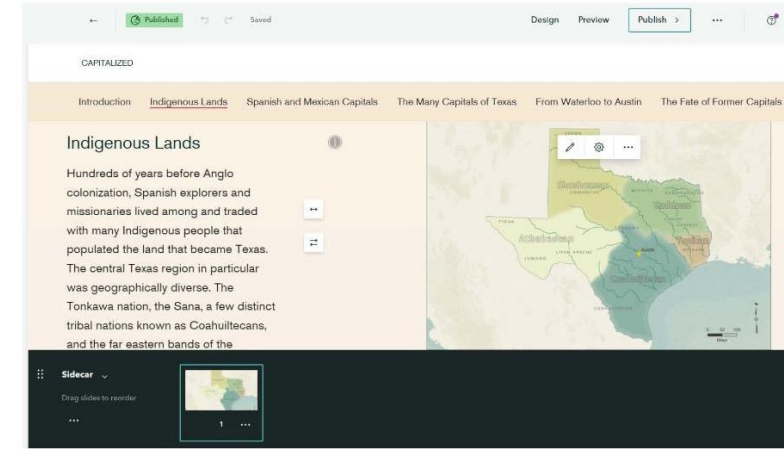
Skills learned:

- Cartography
- Data Editing
- Application Configuration
- Analysis



Land and Lease Viewer

Find historic maps, spatially(!), using the GLO Land and Lease Viewer.



<https://gisweb.glo.texas.gov/glomapsjs/index.html>

Texas General Land Office
Dawn Buckingham, M.D., Commissioner

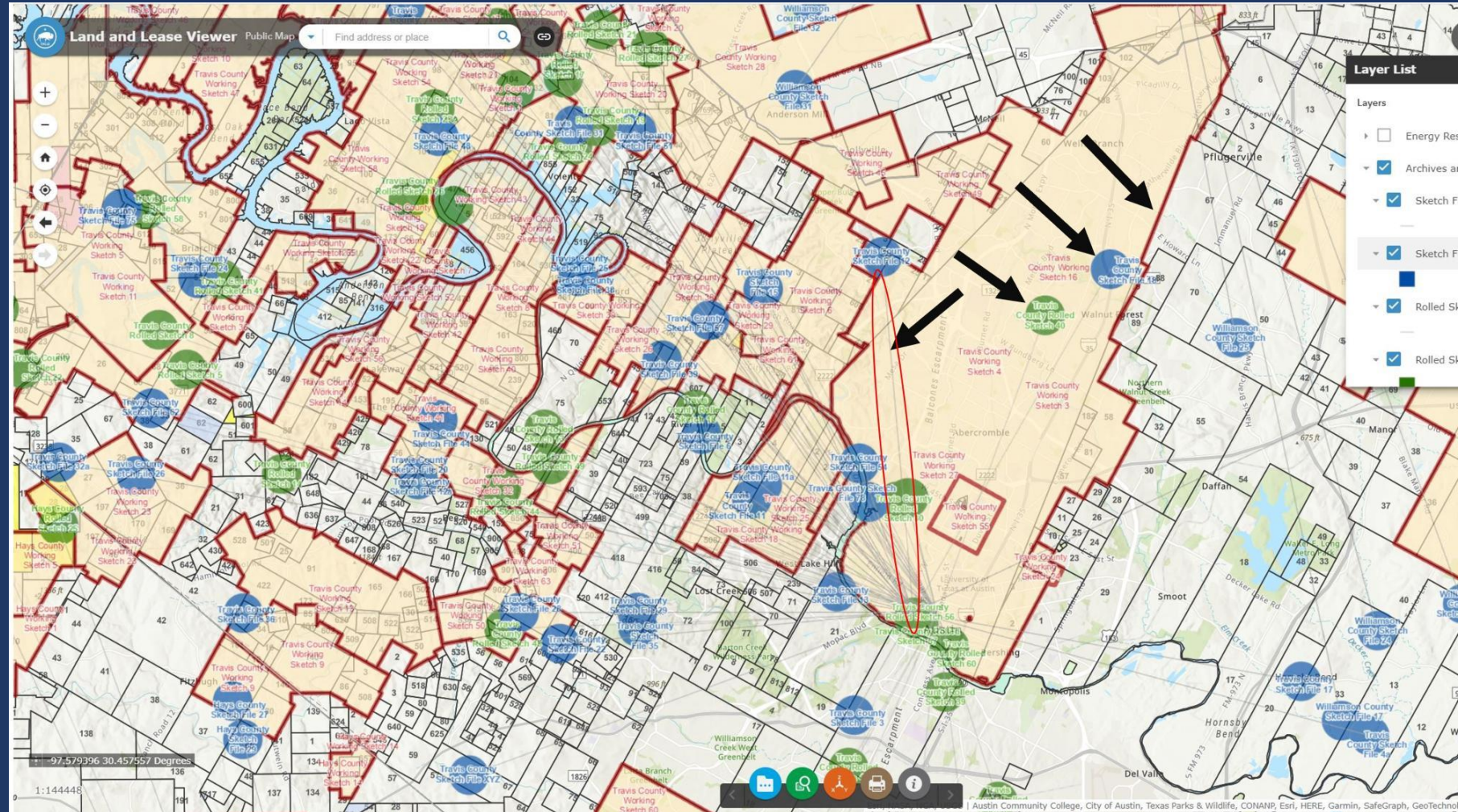


Land and Lease Viewer

When you turn on the Archives and Records layer, many circles, polygons, and lines appear.

Each circle and polygon are representative of a physical document that exists in the GLO Archives. Many of which are scanned and can be viewed at no-cost in the GLO Map Store.

The lines are bearing and distance lines, emanating from the County Seat location. Typically the location of the County Courthouse.



Land and Lease Viewer

The link will take you to the scanned sketch document on the historictexasmaps.com.

Here you can use the tools on the bottom left to zoom in/zoom out.

The screenshot displays the Texas GLO Map Database and Store interface. The main content is a historical survey map titled "SKETCH OF SURVEYS IN TRAVIS CO." with a red circle highlighting a specific area. The interface includes navigation tools, a search bar, and a sidebar with purchase options and metadata.

Travis County Working Sketch 3

Buy Print \$20.00

Buy Digital \$50.00

Map/Doc 69387

Collection [General Map Collection](#)

Counties [Travis](#)

Subjects [Cadastral Surveying Working Sketch](#)

Height x Width
19.5 x 15.0 inches
49.5 x 38.1 cm

Download thumbnail

<https://historictexasmaps.com/collection/search-results/69387-travis-county-working-sketch-3-general-map-collection>

Texas General Land Office
Dawn Buckingham, M.D., Commissioner



Land and Lease Viewer

How are the Sketch circles and bearing and distance lines generated?

| intCounter | Title | Description | Cnty | Creation Year | Surveyor(s) | Bear 1 | Bear 2 | Bear 3 | Bear 4 |
|------------|--|---|-----------------------------|---------------|--------------------|--------|--------|--------|--------|
| 235 | 5752 Duval County Rolled Sketch 37 | [Working sketch of surveys in Duval and McMullen Counties] | Duval, McMullen | | | N | 42 W | | 27.5 |
| 236 | 5753 Duval County Rolled Sketch 37 | Working Sketch of Duval & McMullen Cos. | Duval, McMullen | 1952 | | N | 42 W | | 27.5 |
| 237 | 5754 Duval County Rolled Sketch 37 | [Working Sketch of Duval & McMullen Cos.] | Duval, McMullen | | | N | 42 W | | 27.5 |
| 238 | 9062 Duval County Rolled Sketch 44A | Plat of surveys Duval and McMullen County (Harper Ranch) | Duval, McMullen | 1981 | Clint H. Sumrall | N | 53 W | | 33 |
| 239 | 5732 Duval County Rolled Sketch 5 | Duval County Sketch showing corrected survey no. 732, A. B. & M | Duval, Webb | 1929 | E.J. Foster | S | 76 W | | 34 |
| 240 | 5764 Duval County Rolled Sketch 50 | [Sketch of surveys in Duval and La Salle Counties] | Duval, La Salle | 1876 | John J. Dix | N | 61 W | | 38 |
| 241 | 8803 Duval County Rolled Sketch OS | Surveys in Starr & Duval Cos. | Duval, Brooks, Jim Hogg | 1903 | | S | 35 W | | 30 |
| 242 | 8830 Eastland County Rolled Sketch 24 | Plat of survey of the S. Smith & E.W. Fry survey in Stephens & Ea | Eastland, Stephens | 1983 | Clinton H. Sumrall | N | 50 E | | 13 |
| 243 | 8838 Ector County Rolled Sketch 10 | Sketch showing a part of Ector & Winkler Co., Texas | Ector, Winkler | 1941 | Robt. E. Estes | N | 81 W | | 22 |
| 244 | 8839 Ector County Rolled Sketch 11 | Sketch of part of Ector, Crane, Ward, & Winkler Counties | Ector, Crane, Ward, Winkler | 1947 | Robt. E. Estes | S | 67 W | | 25 |
| 245 | 8841 Ector County Rolled Sketch 13 | Plat of Block 41, T-1S, Block 41, T-2S & Block 42, T-1S, Texas & P | Ector, Midland | 1957 | Ross Corlett | N | 25 E | | 8 |
| 246 | 5779 Ector County Rolled Sketch 14 | [Plat of sections in Block 43 and Block 44, T-3-S, Block 42 and Blk | Ector, Crane | 1957 | R.W. Baker | S | 15 W | | 12 |
| 247 | 5778 Ector County Rolled Sketch 7 | Plat showing survey of alleged vacant lands existing between T. i | Ector, Crane | 1936 | D.W. Boren | S | 40 W | | 16 |
| 248 | 8836 Ector County Rolled Sketch 8 | Survey map of Block 43 T1N, T. & P. Ry. Co., Ector and Andrews | Ector, Andrews | 1938 | J.D. Freeman | N | 37 W | | 17 |
| 249 | 8837 Ector County Rolled Sketch 9 | Sketch of east central portion Winkler & west central portion Ec | Ector, Winkler | 1940 | Robt. E. Estes | N | 80 W | | 21 |
| 250 | 8833 Ector County Rolled Sketch RE | Crane and Ector Sketch | Ector, Crane | 1928 | Robt. E. Estes | S | 50 W | | 16 |
| 251 | 8834 Ector County Rolled Sketch RE1 | Crane and Ector Sketch | Ector, Crane | 1928 | Robt. E. Estes | S | 50 W | | 16 |
| 252 | 5800 Edwards County Rolled Sketch 7 | [Office sketch of H. E. & W. T. R.R. Co. Blocks in the NE part of E | Edwards, Kerr | 1881 | | N | 65 E | | 13 |
| 253 | 5801 Edwards County Rolled Sketch 8 | [Office sketch of area in NE corner of Edwards County] | Edwards, Kerr, Kimble | 1891 | | N | 60 E | | 25 |
| 254 | 5802 Edwards County Rolled Sketch 9 | [Sketch of area covering Edwards, Kinney, & Uvalde Counties, Te | Edwards, Kinney, Uvalde | 1885 | H.C. Petty | S | 20 E | | 24 |
| 255 | 5819 Edwards County Rolled Sketch JF | [Sketch of area in Edwards & Val Verde Counties, Texas] | Edwards, Val Verde | 1915 | T.S. Pickens | N | 75 W | | 28 |
| 256 | 5822 El Paso County Rolled Sketch 18 | [Sketch of T. & P. Blocks in El Paso and Hudspeth Counties] | El Paso, Hudspeth | | | N | 60 E | | 28 |
| 257 | 76433 El Paso County Rolled Sketch 2 | Map of the District composed of the counties of El Paso and Pre | El Paso, Hudspeth, Presidio | 1892 | Stevenson Archer | S | 47 E | | 33.5 |
| 258 | 8882 Erath County Rolled Sketch 1 | Survey plat - West Lipan Area sec's 44 & 45 T. & N. O. R.R. sur., e | Erath, Palo Pinto | 1962 | O.V. DiSciullo | N | 16 E | | 20 |
| 259 | 5864 Erath County Rolled Sketch 3 | H.M. Sallie survey, A-1409 (Erath Co.), A-778 (Hamilton Co.) | Erath, Hamilton | 1982 | Eugene Angermann | S | 6 E | | 20 |
| 260 | 5865 Erath County Rolled Sketch 3A | 219.02 acres, part of H.M. Sallie survey, A-1409 (Erath), A-778 (H | Erath, Hamilton | 1982 | Eugene Angermann | S | 6 E | | 20 |
| 261 | 8883 Erath County Rolled Sketch 5 | Plat of a resurvey of the James Guest survey, Erath County abstr. | Erath, Eastland | 1989 | Wayne Graham | N | 58 W | | 18 |
| 262 | 8888 Fisher County Rolled Sketch 4 | Northeast Fisher County | Fisher, Stonewall | 1950 | D.W. Boren | N | 40 E | | 19 |
| 263 | 8889 Fisher County Rolled Sketch 4A | Corrected plat of Northeast Fisher County | Fisher, Stonewall | 1951 | D.W. Boren | N | 40 E | | 19 |
| 264 | 5877 Fisher County Rolled Sketch 6 | [Profile - Sweetwater Creek Crossings, Fisher County, Texas] | Fisher, Jones | 1971 | William C. Wilson | S | 30 E | | 17 |
| 265 | 5889 Foard County Rolled Sketch 14 1/2 | Map showing position of the "Cundiff Block" as determined by o | Foard, Knox | 1888 | R.M. Kenney | S | 45 E | | 7 |
| 266 | 5890 Foard County Rolled Sketch 15 | Cundiff Block in Foard & Knox Cos. | Foard, Knox | 1889 | R.M. Kenney | S | 5 W | | 9 |
| 267 | 75936 Foard County Rolled Sketch 15A | Cundiff Block in Foard & Knox Cos. | Foard, Knox | 1889 | R.M. Kenney | S | 5 W | | 9 |
| 268 | 8893 Foard County Rolled Sketch 16 | Sketch showing conflicts in acres of the Cundiff Block with H. & 1 | Foard, Knox | 1889 | R.M. Kenney | S | 5 W | | 9 |
| 269 | 5893 Fort Bend County Rolled Sketch 3 | Map of Blue Ridge State Farm showing eleven subdivision tracts, | Fort Bend, Harris | 1958 | Curtis R. Hale | N | 85 E | | 16 |
| 270 | 5902 Fort Bend County Rolled Sketch 30 1/2 | [Sketch of surveys around the J.D. Vermillion survey in north part | Fort Bend, Waller | | | N | 30 W | | 13 |
| 271 | 5895 Fort Bend County Rolled Sketch 5 | Map of E. Friedenhaus & Moses Merritt surveys showing conflict | Fort Bend, Harris | 1956 | C.R. Hale | N | 88 E | | 18 |
| 272 | 5914 Freestone County Rolled Sketch 13A | Plat of survey - Northwestern Resources Co. surveys as shown, F | Freestone, Leon | 1990 | Bill H. Burton | S | 3 W | | 18 |
| 273 | 8902 Frio County Rolled Sketch 10 | Area in vicinity of Hindes | Frio, Atascosa | 1945 | F.T. Drought | S | 55 E | | 18 |
| 274 | 5922 Frio County Rolled Sketch 15 | Area in Frio and Atascosa Counties | Frio, Atascosa | 1949 | F.T. Drought | S | 48 E | | 23 |
| 275 | 8907 Frio County Rolled Sketch 17 | Resurvey of L.G. Harris, Est. located in Frio and Zavala Counties | Frio, Zavala | 1953 | Frank J. Schorp | N | 60 W | | 21 |
| 276 | 8908 Frio County Rolled Sketch 18 | Resurvey of area about 15.8 miles S20E from Pearsall, County Se | Frio, La Salle | 1955 | Frank J. Schorp | S | 20 E | | 15.8 |
| 277 | 8910 Frio County Rolled Sketch 20 | Re-Survey of an area located in Frio and Zavala Counties about S | Frio, Zavala | 1956 | Frank J. Schorp | S | 58 W | | 23 |



Land and Lease Viewer

Python!

The script takes the bearing and distance values in the table and generates the lines and sketch circles using the county seat as the point of origin.

```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
bearingAndDistance_211027_twangFinal - Copy.py X
N: > Projects > Archives and Records > Rolled Sketches Project > PythonScripts102_DevelopmentScripts > bearingAndDistance_211027_twangFinal - Copy.py > ...
61 ##          chrBearing2          Bear2
62 ##          chrBearing3          Bear3
63 ##          chrBearing4          Bear4
64 ##          B. Note: Depending on source intCounter = MapNumber, Cnty = County, Bear1 = N/S, Bear2 = Angle, Bear3 = E/W, Bear4 = Distance (miles)
65
66 import arcpy
67 from arcpy import env
68 import time
69
70 arcpy.env.overwriteOutput = True
71
72 ##### Variables ...
73 ##drvF = Folder Location for data input and output.
74 drvF = "X:\AR\R4Bob\PythonScripts102\Archives"
75 gdbBrngDstnc = "X:\AR\R4Bob\PythonScripts102\Archives\BearingDistance.gdb"
76 ndxnum = 0
77
78 prjGLO = "PROJCS['NAD_1927_Albers',GEOGCS['GCS_North_American_1927',DATUM['D_North_American_1927',SPHEROID['Clarke_1866',6378206.4,294.9786982]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.0174532925199433]],PROJECTION['Albers'],PARAMETER['
79
80 ## New PRJ Files ...
81 prjLL27 = "GEOGCS['GCS_North_American_1927',DATUM['D_North_American_1927',SPHEROID['Clarke_1866',6378206.4,294.9786982]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.0174532925199433]];-400 -400 1000000000;-100000 100000;-100000 100000;8.98305
82 prjLL27_2_WebMerc = "PROJCS['WGS_1984_Web_Mercator_Auxiliary_Sphere',GEOGCS['GCS_WGS_1984',DATUM['D_WGS_1984',SPHEROID['WGS_1984',6378137.0,298.257223563]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.0174532925199433]],PROJECTION['Mercator
83 prjTransL2_WebMerc = "NAD_1927_To_NAD_1983_NADCON + WGS_1984_(ITRF00)_To_NAD_1983", "GEOGCS['GCS_North_American_1927',DATUM['D_North_American_1927',SPHEROID['Clarke_1866',6378206.4,294.9786982]],PRIMEM['Greenwich',0.0],UNIT['Degree'
84
85 print "There are two types of Archive Sketch files:"
86 print "\t- Rolled Sketches (prefix = 'AR')"
87 print "\t- Working Sketches (prefix = 'AW')"
88 print "A file creation date should have the format YYYYDD"
89 print "\nExample: A Rolled Sketch .csv file created on May 1st, 2018 should be named/entered as AR180501\n"
90
91 ## Prompt for .csv to be imported, location is searched in variable drvF.
92 daate = raw_input("Enter the prefix and date (YYYYDD) of the .csv file in X:\AR\R4Bob\PythonScripts102\Archives: ")
93
94 inCSV = drvF + "/" + daate + ".csv"
95 inTbl = inCSV[38:-4]
96
97 fcArcs = daate[:2] + "arc"
98 fcPts = daate[:2] + "pt"
99
100 ## Start Timing ...
101 stime = time.asctime()
102 starttime = time.clock()
103
104 ##### Import Archives' Text File ...
105 ndxnum = ndxnum + 1; print str(ndxnum) + ". Create " + inTbl + " and import Archives and Records data ..."
106 try:
107     arcpy.TableToTable_conversion(inCSV, gdbBrngDstnc, inCSV[38:-4], "", "intCounter \"intCounter\" true true false 4 Long 0 4 ,First,#," + inCSV + ",intCounter,-1,-1;\
108 Cnty \"Cnty\" true true false 255 Text 0 0 ,First,#," + inCSV + ",Cnty,-1,-1;\
109 Bear1 \"Bear1\" true true false 255 Text 0 0 ,First,#," + inCSV + ",Bear1,-1,-1;\
110 Bear2 \"Bear2\" true true false 4 Long 0 4 ,First,#," + inCSV + ",Bear2,-1,-1;\
111 Bear3 \"Bear3\" true true false 255 Text 0 0 ,First,#," + inCSV + ",Bear3,-1,-1;\
```



Land and Lease Viewer

```
File Edit Selection View Go Run Terminal Help
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More
bearingAndDistance_211027_twangFinal - Copy.py X
N: > Projects > Archives and Records > Rolled Sketches Project > PythonScripts102_DevelopmentScripts > bearingAndDistance_211027_twangFinal - Copy.py > ...
1389 ## print arcpy.GetMessages()
1390 ##### Buffer Points .5 miles...
1391 ##try:
1392 ## ndxnum = ndxnum + 1; print str(ndxnum) + ". Buffering points .5 miles ..."
1393 ## arcpy.Buffer_analysis(gdbBrrngDstnc + "/p999_" + daate[2:] + "LL", gdbBrrngDstnc + "/p999b_" + daate[2:] + "LL", ".5 Miles", "FULL", "ROUND", "NONE", "")
1394 ## print "\t- Successful.\n"
1395 ##except:
1396 ## print "ERROR ..."
1397 ## print arcpy.GetMessages()
1398
1399 ##### Distance; Distance > 0 ...
1400 ##### Bearing Distance To Line ...
1401 ##### Produces
1402 try:
1403     ndxnum = ndxnum + 1; print str(ndxnum) + ". Where Distance > 0, converting Bearing Distance to Line to create " + daate + "arCLL ..."
1404     arcpy.BearingDistanceToLine_management(gdbBrrngDstnc + "/" + daate[2:] + "_DIS", gdbBrrngDstnc + "/" + daate + "arCLL", "XCOORD", "YCOORD", "Distance", "MILES", "Bearing", "DEGREES", "GEODESIC", "Intcounter", prjLL27_2_webMerc)
1405     print "\t- Successful.\n"
1406 except:
1407     print "ERROR ..."
1408     print arcpy.GetMessages()
1409 ## Feature Vertices To Points ...
1410 try:
1411     ndxnum = ndxnum + 1; print str(ndxnum) + ". Converting line vertices (endpoints) to points to create " + daate + "pLL ..."
1412     arcpy.FeatureVerticesToPoints_management(gdbBrrngDstnc + "/" + daate + "arCLL", gdbBrrngDstnc + "/" + daate + "pLL", "END")
1413     print "\t- Successful.\n"
1414 except:
1415     print "ERROR ..."
1416     print arcpy.GetMessages()
1417 ## Buffer ...
1418 try:
1419     ndxnum = ndxnum + 1; print str(ndxnum) + ". Buffering points .5 miles to create " + daate + "ptLL ..."
1420     arcpy.Buffer_analysis(gdbBrrngDstnc + "/" + daate + "pLL", gdbBrrngDstnc + "/" + daate + "ptLL", ".5 Miles", "FULL", "ROUND", "NONE", "")
1421     print "\t- Successful.\n"
1422 except:
1423     print "ERROR ..."
1424     print arcpy.GetMessages()
1425 ##### Merge Points ...
1426 #####ndxnum = 0
1427 #####print "\n\n\n"
1428 ##try:
1429 ## ndxnum = ndxnum + 1; print str(ndxnum) + ". Merging Points Where Distance > 0 With Points Where Distance = 0 ..."
1430 ## arcpy.Merge_management(gdbBrrngDstnc + "/p999b_" + daate[2:] + ";" + gdbBrrngDstnc + "/pDISb" + daate[2:], gdbBrrngDstnc + "/SK_pt" + daate[2:] + "LL", "intcounter \intcounter\" true true false 4 Long 0 0 ,First,#," + gdbBrrngDstnc +
1431 ##XCOORD \XCOORD\" true true false 4 Float 0 0 ,First,#," + gdbBrrngDstnc + "/p999b_" + daate[2:] + ",XCOORD,-1,-1," + gdbBrrngDstnc + "/pDISb" + daate[2:] + ",XCOORD,-1,-1;\
1432 ##YCOORD \YCOORD\" true true false 4 Float 0 0 ,First,#," + gdbBrrngDstnc + "/p999b_" + daate[2:] + ",YCOORD,-1,-1," + gdbBrrngDstnc + "/pDISb" + daate[2:] + ",YCOORD,-1,-1;\
1433 ##Bearing \Bearing\" true true false 4 Long 0 0 ,First,#," + gdbBrrngDstnc + "/p999b_" + daate[2:] + ",Bearing,-1,-1," + gdbBrrngDstnc + "/pDISb" + daate[2:] + ",Bearing,-1,-1;\
1434 ##Distance \Distance\" true true false 4 Float 0 0 ,First,#," + gdbBrrngDstnc + "/p999b_" + daate[2:] + ",Distance,-1,-1," + gdbBrrngDstnc + "/pDISb" + daate[2:] + ",Distance,-1,-1"
1435 ## print "\t- Successful.\n"
1436 ##except:
1437 ## print "ERROR ..."
1438 ## print arcpy.GetMessages()
1439 ##### Delete unnecessary files and tables ...
```



Mail or In-Person:
Texas General Land Office
Archives and Records
1700 North Congress Avenue,
Austin, Texas 78701

Phone:
512-463-5277
1-800-998-4GLO (4456)

Email/Websites:
archives@glo.texas.gov
glo.texas.gov
Historictexasmaps.com
savetexashistory.org

Social Media:
[facebook.com/txglo](https://www.facebook.com/txglo)
[@txglo](https://www.instagram.com/txglo)
[medium.com/@txglo](https://www.medium.com/@txglo)

Contact

Lynnette Cen

—

512-475-1519

—

Lynnette.cen@glo.texas.gov

QUESTIONS?

Texas General Land Office
Dawn Buckingham, M.D., Commissioner

