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Finding Survey Documents Using Web Based Mapping Applications

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Texas General Land Office

What is the Texas General Land Office

- Oldest state agency in Texas (we predate the BLM) December 22, 1836.
- After Texas Independence from Mexico, Texas was land rich and cash poor.
- Only way to pay soldiers who fought in the war is to issue land grants.
- The Land Office was tasked to be the repository for all land grants and original land survey documents for the State of Texas.

What is the Texas General Land Office

- Today we supervise over 33.5 million land grants and thousands of survey documents.
- We manage over 13.5 million acres of public land (Larger than a handful of States).
- Money generated from these lands and documents goes to the Permanent School Fund, which provides money and resources for Texas Public Schools.

Finding a solution

- What's the problem?



Finding a Solution

- We need to provide easier access to our documents while at the same time preserving them for future generations (Don't Touch!!).



Problem Solved!

- First step, scan all documents (Thank you interns!!) this step is still in progress.
- Create an accessible database.
- <http://www.glo.texas.gov/what-we-do/history-and-archives/research-at-the-archives/index.html>
- This is great if you know specific information. We still needed a solution to help people visualize the information.

Problem Solved!

- GIS!!!!
- By using GIS we are able to visualize where our lands are located and view any documents associated with those lands.
- Using ESRI's api for flex, we were able to create an online mapping application that allows our users to easily access our documents and information!
- <http://gisweb.glo.texas.gov/glomap/>



Texas General Land Office
Interactive Land Lease Mapping Program

Map Contents

- Energy Resources
- Upland & Coastal Leases - Easements
- Archives and Records Collections
- Renewable Energy
- Original Texas Land Survey
- Submerged Texas Land Survey
- Other Map Layers

Land Office Data Search
County & Abstract Search
Waterbody & Tract Search
Find an address
Search by Lat/Long
Map Coordinates

Streets Aerial Hybrid Topo Bare

Latitude: 37.829497 Longitude: -95.970943
37° 49' 46" N 99° 58' 40" W

Auto Save

Texas General Land Office
Interactive Land Lease Mapping Program

Map Contents

- Energy Resources
- Oil and Coastal Leases / Easements
- Archives and Records Collections
- Renewable Energy
- Original Texas Land Survey
- Submerged Texas Land Survey
- Other Map Layers

County & Abstract Search

Select a County from the list below

Type the Abstract Number

Search Clear

Latitude: 34.002721 Longitude: -100.307630
34° 48' 09" N 100° 18' 27" W

Auto Save

Texas General Land Office
Interactive Land Lease Mapping Program

Map Contents

- Energy Resources
- Upland & Coastal Leases - Encumbrances
- Archives and Records Collections
- Renewable Energy
- Original Texas Land Survey
- Submerged Texas Land Survey
- Other Map Layers

County & Abstract Search

Features selected: 1

STEPHEN AUSTIN

Control Number:
Base File Number:
Grantor: S. AUSTIN
Block:
Section Number:
Abstract: 7
County Name: AUSTIN
Land Type:
Ranch Name:
Original Acres:

[Click Here for Detailed Information](#)

Zoom In

Latitude: 29.716496 Longitude: -96.042340
29° 42' 59" N 96° 02' 32" W



Download GIS Data

Energy Lease Information

Information for this County -

AUSTIN COUNTY

SURVEY INFORMATION

SURVEY NAME - STEPHEN F AUSTIN
GRANTEE NAME - Austin, Stephen F
ABSTRACT - 7
BLOCK - TOWNSHIP -
SECTION NUMBER -
SECTION/PART -
ORIGINAL ACRES - 4428.4

PATENT INFORMATION: Archived Record

PATENTEE NAME -
DISTRICT - Austin
CLASSIFICATION - Title
FILE NUMBER - SC 000013:44
PATENT DATE -
CERTIFICATE - Translation # 156
PATENT NUMBER - 2107
PATENT VOLUME - 6
PAGE - 1

LEASE INFORMATION

POOLING AGREEMENTS:

No Upland Units

No Submerged Units

OIL & GAS LEASES:

No Upland Oil & Gas Leases

No Submerged Oil & Gas Leases

SELLO TERCERO: DOS REALES

HABILITADO POR EL ESTADO DE COAHUILA Y TEXAS PARA EL BIENIO DE 1828 Y 29. *30 y 31*

William
Comisario C. Miguel Acuña

Comisario C. Miguel Acuña
en la de Junio de 1828.
Comisario C. Miguel Acuña
en la de Junio de 1828.
Comisario C. Miguel Acuña
en la de Junio de 1828.
Comisario C. Miguel Acuña
en la de Junio de 1828.
Comisario C. Miguel Acuña
en la de Junio de 1828.

El Sr. Comisario C. Miguel Acuña
en la de Junio de 1828.
Comisario C. Miguel Acuña
en la de Junio de 1828.
Comisario C. Miguel Acuña
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en la de Junio de 1828.

Texas General Land Office
Interactive Land Lease Mapping Program

Map Contents

- Energy Resources
- Upland & Coastal Leases / Easements
- Archives and Records Collections
- Renewable Energy
- Original Texas Land Survey
- Software Sold Texas Land Survey
- Other Map Layers

Land Office Data Search

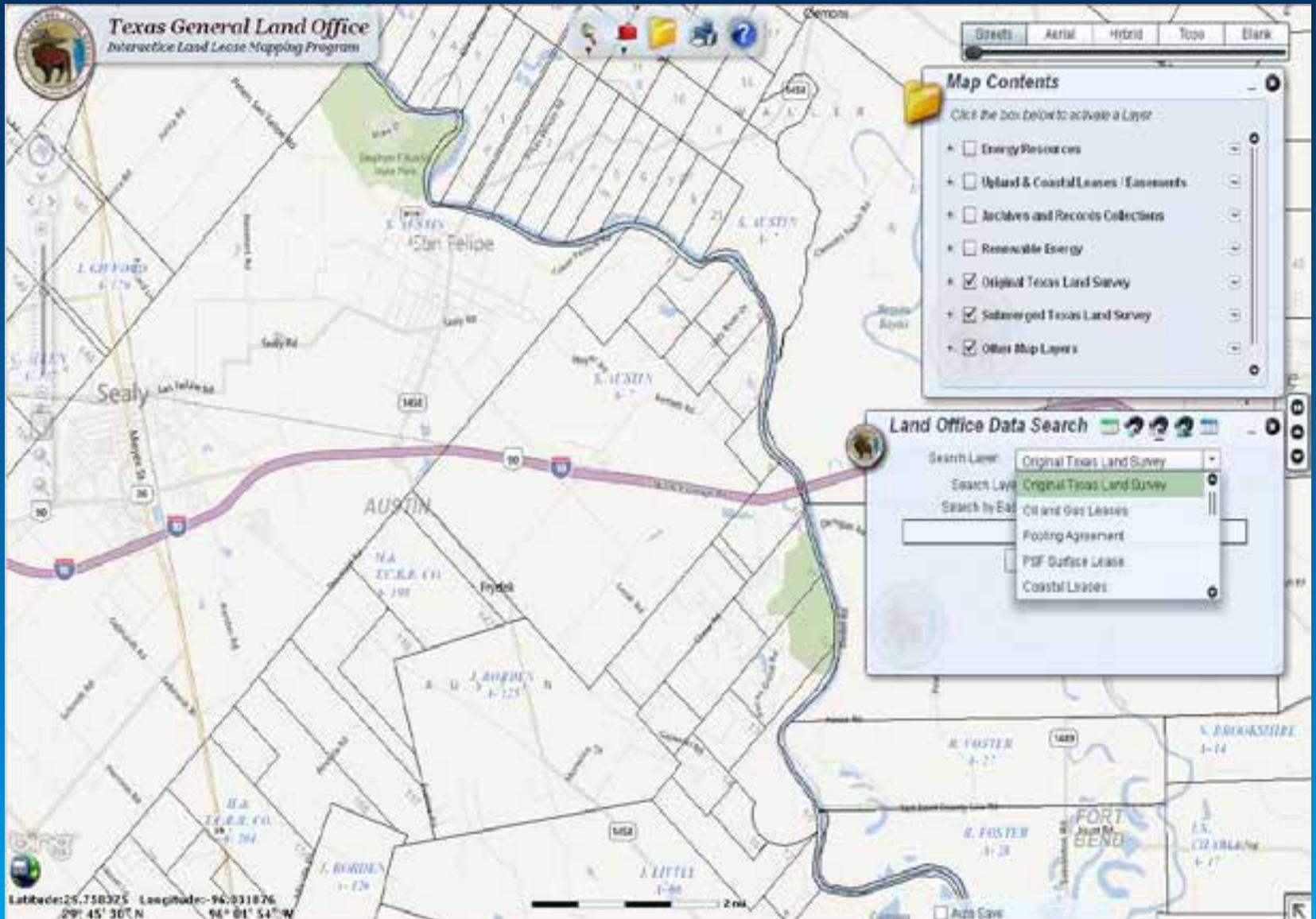
Search Layer: Original Texas Land Survey

Search Layer Field: Base File Number

Search by Base File Number (Example: SF-11279)

Search Clear

Latitude: 29.83300 Longitude: -96.918590
29° 49' 58" N 96° 00' 38" W



Texas General Land Office
Intersection Land Lease Mapping Program

Streets Aerial Hybrid Topo Blank

Map Contents

Click the box color to activate a Layer

- Energy Resources
- Upland & Coastal Leases / Easements
- Archives and Records Collectibles
- Renewable Energy
- Original Texas Land Survey
- Subsequent Texas Land Survey
- Other Map Layers

Land Office Data Search

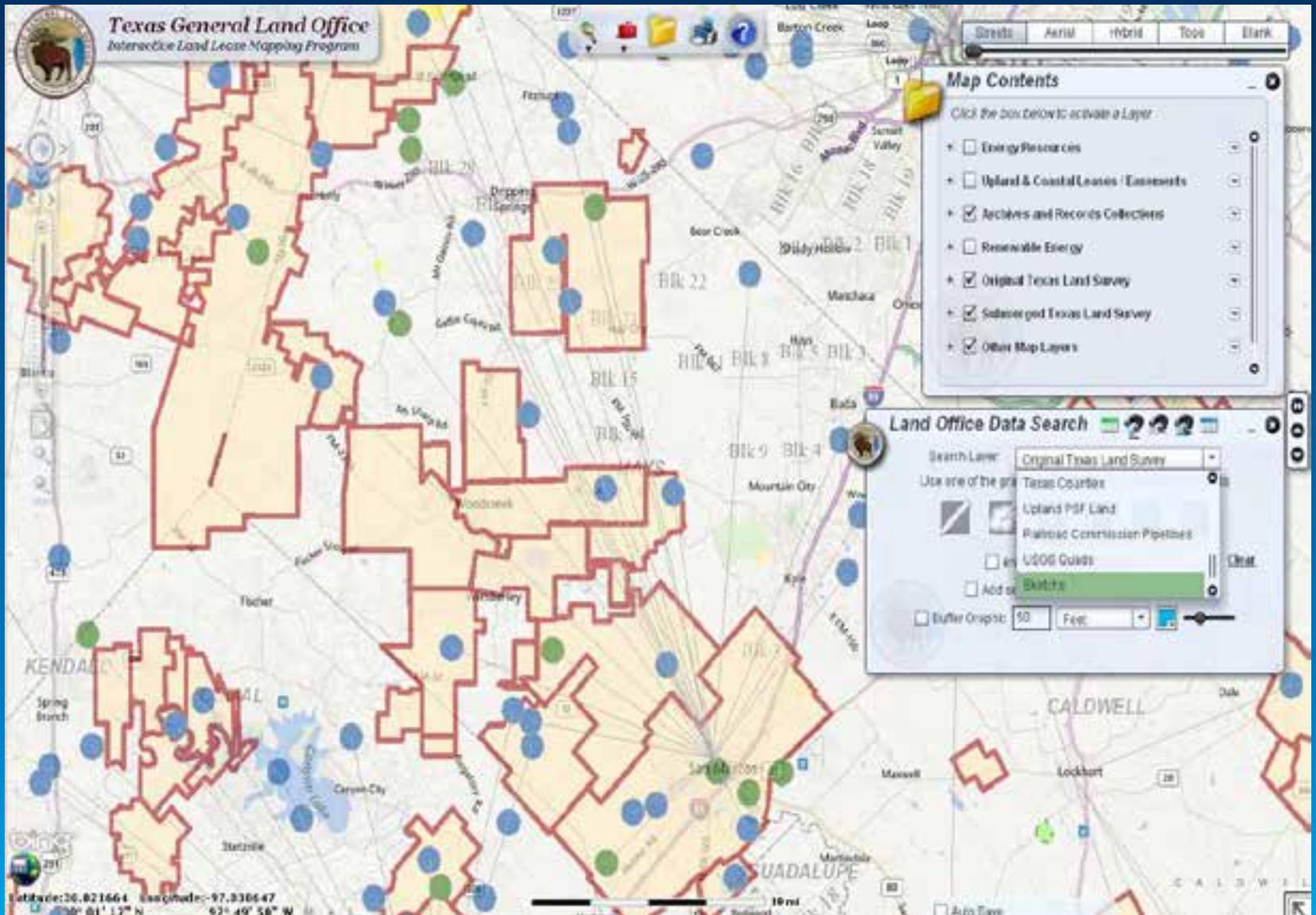
Search Layer: Original Texas Land Survey

Use one of the graphical search tools to select OTLS Tracts

enable multi-part graphics **OK**
 Add search tolerance to point selection
 Buffer Circles: 50 Feet

Latitude: 36.984875 Longitude: -94.323450
 36° 59' 05" N 94° 01' 24" W

Auto Save



Texas General Land Office
Interactive Land Lease Mapping Program

Map Contents

- Energy Resources
- Upland & Coastal Leases / Easements
- Archives and Records Collections
- Renewable Energy
- Original Texas Land Survey
- Salvaged Texas Land Survey
- Other Map Layers

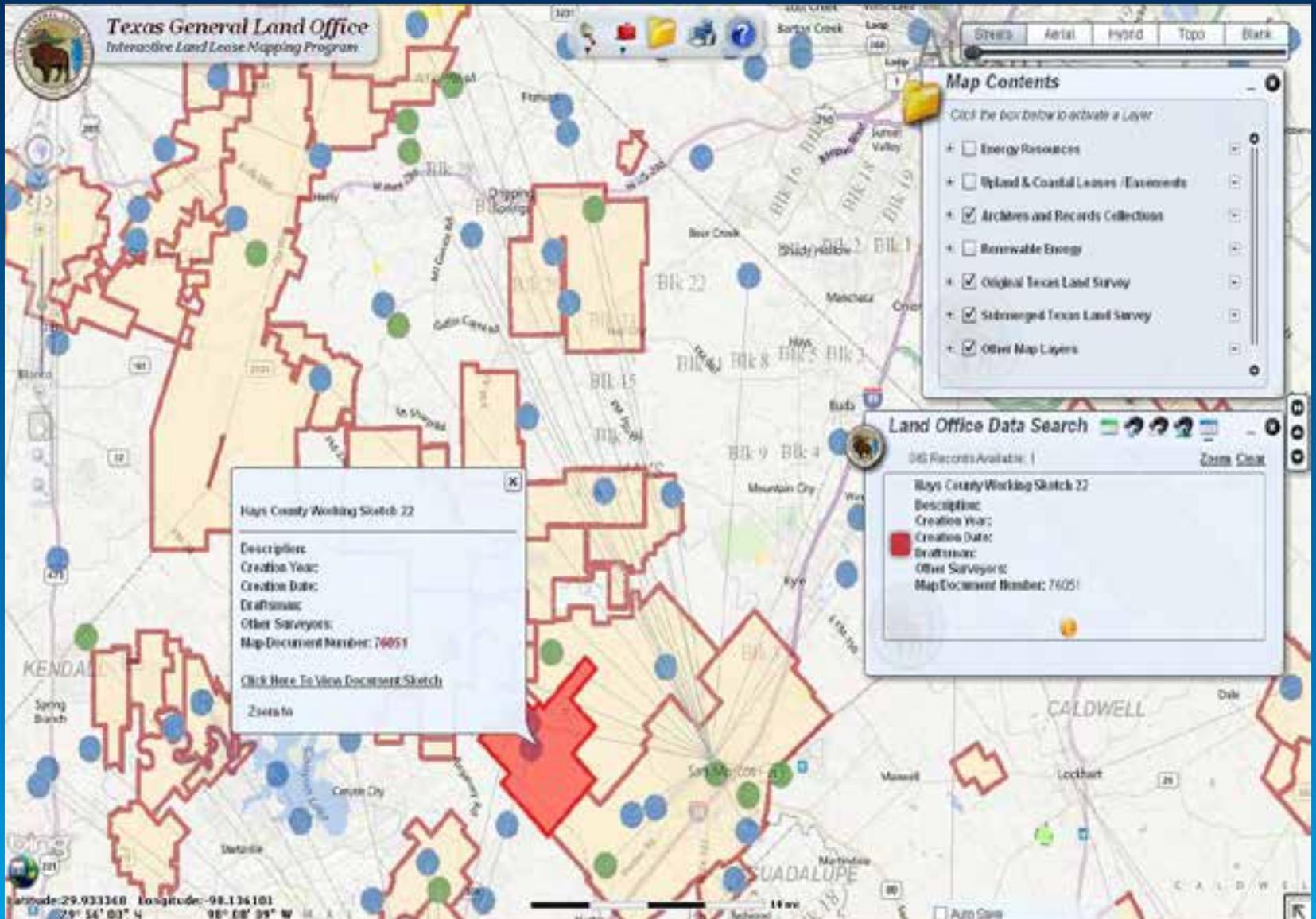
Land Office Data Search

Search Layer: Sketches

Use one of the graphical search tools to select a Sketch:

- enable multi-part graphics
- Add search tolerance to point selection
- Buffer Graphic: 50 Feet

Latitude: 29.091974 Longitude: -98.053120
29° 53' 31" N 98° 03' 11" W





Texas General Land Office
Jerry Patterson Texas Land Commissioner

search Find



Home What We Do How Do I? GLO News The Land Office Contact Us

HISTORY AND ARCHIVES

GLO > Details

In This Section

- History and Archives Home**
- History of the Archives
- Research at the Archives
- Our Collections
- Education & Outreach
- Digitization
- Our Services
- How Do I?
- Visit the Archives
- Buy Maps Now
- Save Texas History

Details



Click to enlarge

Click on the mapdocument to view a larger image!



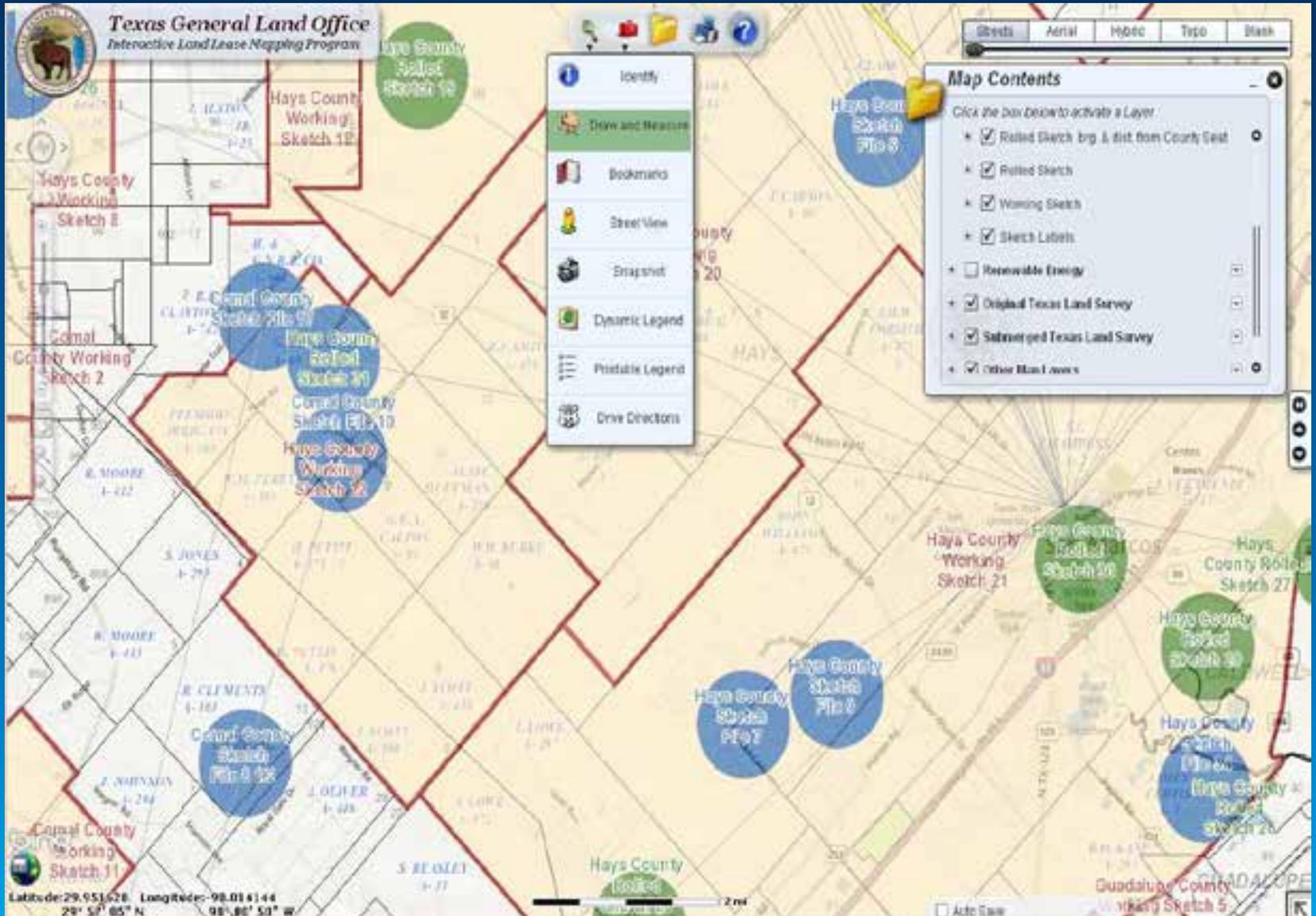
Click to view details



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Texas General Land Office
Interactive Land Lease Mapping Program

Streets Aerial Hybrid Topo Blank

Map Contents
Click the box below to activate a layer

- Energy Resources
- Upland & Coastal Leases / Easements
- Archives and Records Collections
- Renewable Energy
- Original Texas Land Survey
- Salterged Texas Land Survey
- Other Map Layers

Draw and Measure

Line Color: Style: Solid

Width: 5 Opacity: 1

Show Measurements

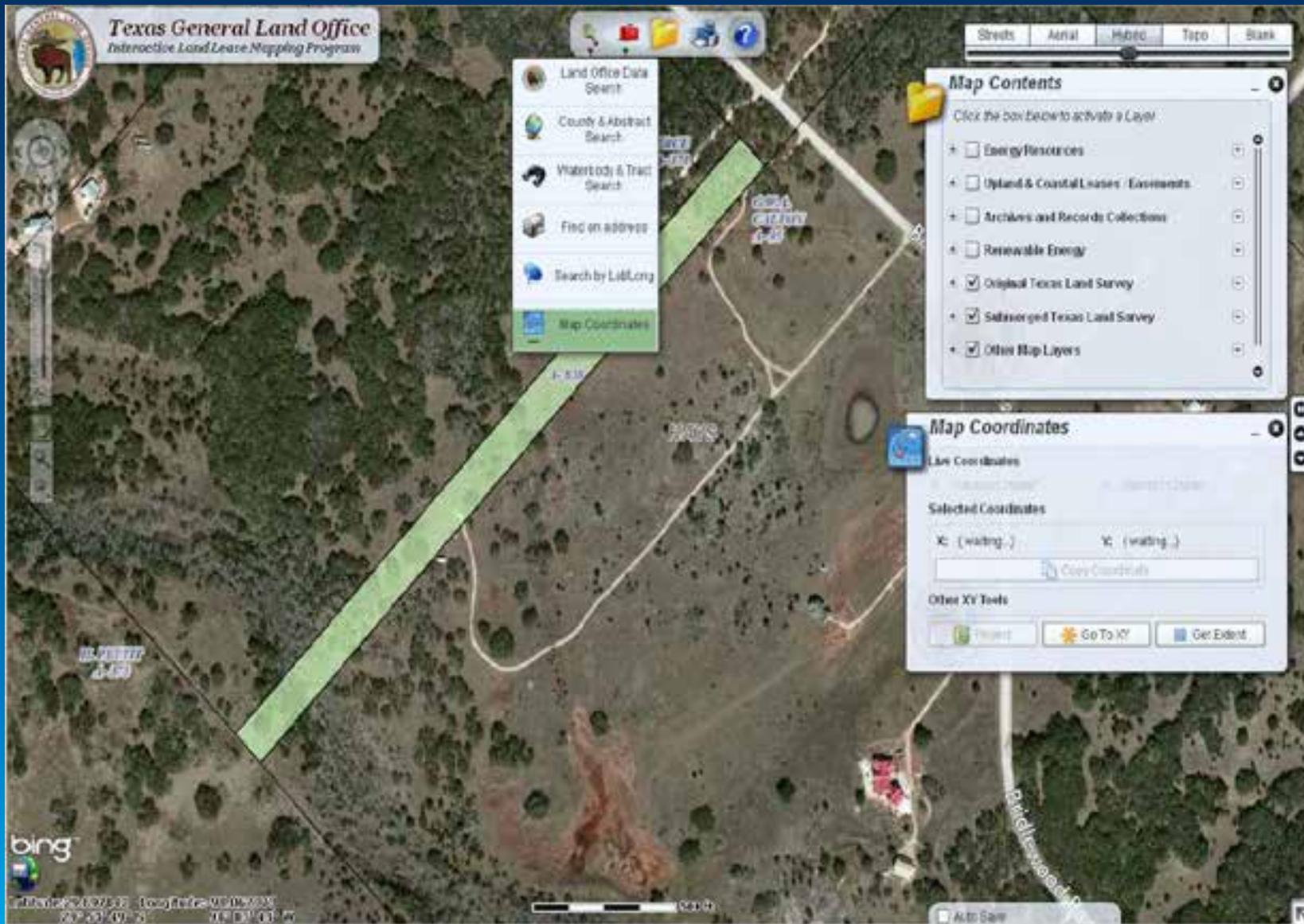
Distance Units: Yards

Feet: Aerial B I U R Size: 24

Length: 946.801377 y.

bing

Auto Save



Texas General Land Office
Interactive Land Lease Mapping Program

Streets Aerial Hybrid Topo Blank

Map Contents

- Energy Reservoirs
- Upland & Coastal Leases - Elements
- Aesthetics and Records Collections
- Renewable Energy
- Original Texas Land Survey
- Subsequent Texas Land Survey
- Other Map Layers

Map Coordinates

Live Coordinates

Selected Coordinates

X: 10816723.225888 Y: 3489967.933534

Copy Coordinate

Other XY Sets

Project On To XY Out Table

Projected Coordinate System

Common Coordinates

WGS 1984	Long: -96.866504	Lat: 29.991478
DOD	X: -99° 5' 66.74	Y: 29° 57' 26.32
Map	X: -10816723.225888	Y: 3489967.933534

Please select your desired coordinate system from the list below:

Coordinate System:

Projected:

- NAD 1983 Texas State Plane Central
- NAD 1983 Texas State Plane North Central
- NAD 1983 Texas State Plane North
- NAD 1983 Texas State Plane South
- NAD 1983 Texas State Plane South Central**
- NAD 1983 UTM Zone 13N

bing

Map Scale

The screenshot displays a web-based mapping application interface. The main map area shows an aerial view of a land survey area with a green highlighted strip. The interface includes several panels and windows:

- Print Preview:** Located in the top left, it shows a smaller version of the map with the green strip and a title block that reads "Hays County A-838".
- Map Contents:** A panel on the right side of the map, titled "Map Contents", which lists various map layers. The layers listed are:
 - Energy Reserves
 - Upland & Coastal Leases (Easements)
 - Archives and Records Collections
 - Renewable Energy
 - Original Texas Land Survey (checked)
 - Submerged Texas Land Survey (checked)
 - Other Map Layers (checked)
- Print:** A dialog box in the bottom right corner, titled "Print", which contains fields for:
 - Map Title: Hays County A-838
 - Sub-Title: Texas General Land Office
 - Disclaimer: The Texas General Land Office
 - Buttons for "Portrait" and "Landscape" orientation.
- Map Interface:** The main map area includes a toolbar at the top with icons for home, pan, zoom, and other navigation functions. A scale bar at the bottom indicates a distance of 600 feet. The map shows a green highlighted strip, likely representing a survey boundary or easement, with labels such as "HAYS" and "A-838".

Thank You!

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