

Texas Land Trends



**WEB DATA EXPLORER
USER GUIDE**

TXLANDTRENDS.ORG/DATA

Getting Started

The *Data Explorer* will open to the main query page. Here, users can select either *Trends* to view one set of data for a geographical region at a time, or *Compare* to view multiple datasets of geographical regions at a time.

Once selected, users will be redirected to the appropriate query input page, where they can select area(s) of interest to explore. These tools will remain stationary throughout exploration of the website.

txlandtrends.org/data

Features:

- 1 **TX Land Trends:** Navigates back to main *Texas Land Trends* website.
- 2 **Trends:** Navigates to trends query page.
- 3 **Statewide:** Shortcuts to statewide data.
- 4 **Compare:** Navigates to compare query page.
- 5 **About the data:** Cites source data and terminology.
- 6 **Reference Maps:** Reference Maps of Ecoregions, River Basins, and Regions of Interest.
- 7 **Toggle Menu:** Changes visibility of the left menu, expanding main screen.
- 8 **Comparison Menu:** Stores *areas of interest* for later comparison and allows quick removal of already selected areas.
- 9 **Help:** Shows tips about different features unique to each page.
- 10 **Home:** Navigates back to main query page.



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3 2 Trends 4 Compare 5 About the data 6 Reference Maps 10 Home > Home

- Statewide
- Compare
- About the data
- Reference Maps
 - Ecoregions
 - River Basins
 - Regions of Interest

Home

Texas' working lands are undergoing fundamental changes due to fragmentation and conversion. Use the 'Go To Trends' tool to explore trends for a county, multiple counties, river basins, ecoregions or various regions of interest. Use the 'Compare' tool to explore comparisons between these areas.

Trends

View trends for a county, multiple counties, river basin, ecoregion, or region of interest from 1997 to 2012.

[Go to trends](#)

Compare

Compare summary statistics among counties, river basins, and ecoregions.

[Compare](#)

High Low
Rate of Conversion

Drake Center for Conservation

Trends Page

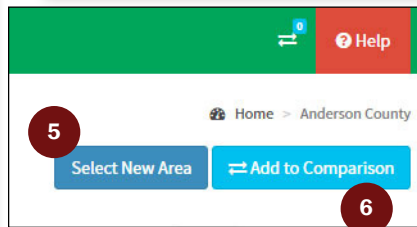
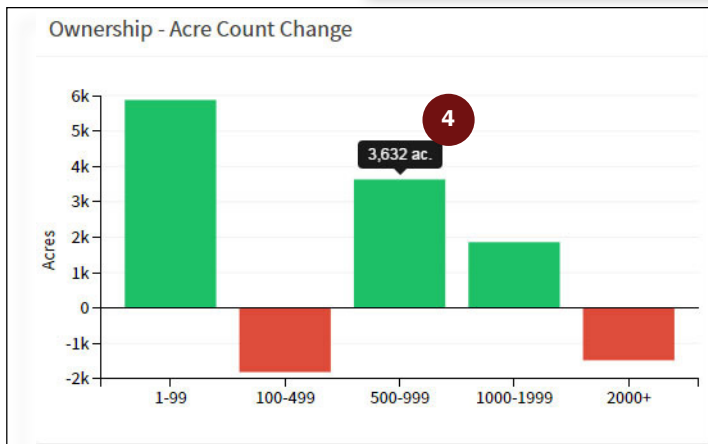
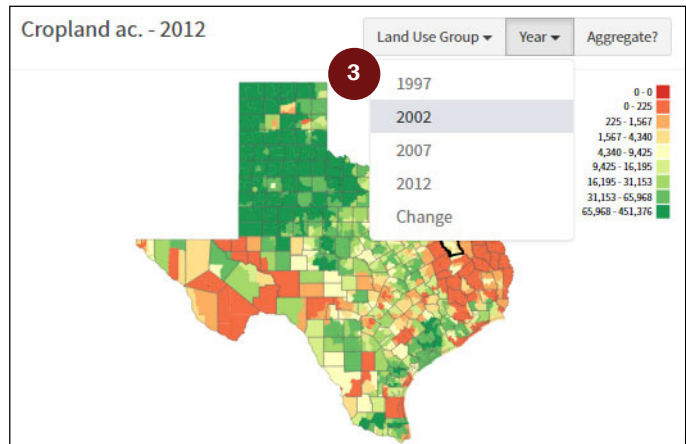
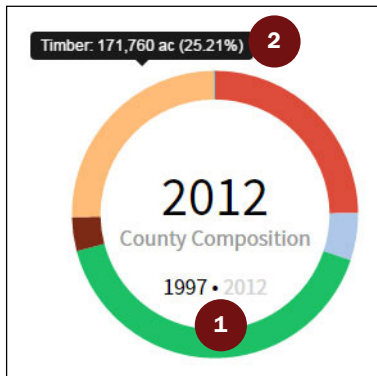
Users can generate trend data for counties, an ecoregion, river basin, or an area of interest. Multiple counties can be selected at a time by typing in the names of each county desired before selecting Go; this will generate combined totals for trends in those counties.

Results for a user's query will be displayed in multiple forms (text, table, graph, image, and map), some of which include interactive features to further examine the data.

txlandtrends.org/data/trends

Features:

- 1 Toggle Option:** Switch between 1997 and 2017 data by clicking on the darkened year number in the *Composition* ring.
- 2 Hover Descriptions:** Rest the mouse over the color bars of the *Composition* ring to expand a text description (actual acres and percent out of all lands) of the composition of working lands for your area of interest.
- 3 Interactive Maps:** Alter data displayed by selecting from dropdown options or clicking.
- 4 Hover Descriptions:** Rest the mouse over the color bars of the graphs to expand a text description of change (from 1997-2017) in number of farms and farm acres by size class.
- 5 Select New Area:** Click to select new area of interest to explore.
- 6 Add to Comparison:** Click to save current area of interest for later comparison.



Compare Page

Users can generate trend data to compare for counties, ecoregions, river basins, or areas of interest. Multiple counties can be combined into one group by typing in the names of each county desired before selecting *Add*; this will generate combined totals for trends in those counties.

Results for a user's query will be displayed in multiple forms (text, table, and image), some of which include interactive features to further examine the data. Statewide data will be displayed with results.

txlandtrends.org/data/compare

Features:

- 1 Tab Options:** Click tabs to review overview statistic data for each metric (land use, ownership size, market value, and population).
- 2 Hover Descriptions:** Rest the mouse over the color bars of the *Farms by Size Class* ring to expand a text description (actual acres and percent out of all lands) of the farms by size class in the working lands for your area of interest.
- 3 Toggle Option:** Switch between 1997 and 2017 data by clicking on the darkened year number in the *Farms by Size Class* ring.
- 4 Comparison Menu:** Remove areas from query results by clicking the X next to unwanted areas or *Remove All*.

Compare Selections

1

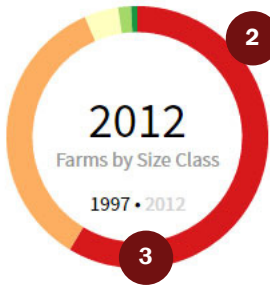
Overview

Land Use

Ownership Size

Market Value

Population



4

2

Help

You have 2 areas selected for comparison

Compare Selections

Brazos River Basin

Canadian River Basin

X

Compare Selected Areas

X Remove all

Data Definitions

Aggregate – Averages data across your area of interest (e.g., county) for visual purposes.

Consolidation – The combining of smaller farms, ranches, and forests to create larger ownerships.

Cropland, Land Use Group – Includes irrigated cropland and dry cropland as reported in acres by the Texas Comptroller of Public Accounts at the Independent School District (ISD) level.


Ecoregion – Gould's ecoregions for the state of Texas, denoted by areas of general similarity in ecosystems and type, quality, and quantity of environmental conditions and resources. Includes the Blackland Prairies, Coastal Sand Plains, Edwards Plateau, Gulf Coast Prairies, High Plains, Llano Uplift, Oak Woods and Prairies, Piney Woods, Rolling Plains, South Texas Brush Country, and Trans Pecos ecoregions.

Fragmentation - The break-up of large farms, ranches, and forests into smaller ownership sizes.

Grazing Land, Land Use Group – Includes native rangeland, non-native pasture, and barren lands as reported in acres by the land use data from the Texas Comptroller at the ISD level.

Land Use – Annual compilation of land use and land value data from the Texas Comptroller. Includes property use, tax, and value data for private lands designated as 1-d and 1-d-1 appraisal status for all Texas ISDs. Land use categories include cropland, grazing land, wildlife management, timber, and other.

Land Use, Acres – The number of acres that fall into each specified land use category as reported by the Texas Comptroller.



Land Use, County Composition – Land use structure at the county level (e.g., Anderson County contains 40% grazing lands).

Land Use, State Composition – Land use structure at the state level (e.g., Texas contains 61% grazing lands).

Land Use, Market Value Per Acre – The average appraised value of land, calculated as \$ per acre, as reported by the Property Tax Assistance Division of the Texas Comptroller.

Land Use, Market Value Change (\$/ac.) – Change in market value per acre, from 1997 to 2017. Also includes percent change from the same time period.

Ownership, Acres – Number of acres of farms by ownership size class (e.g., There are 4,003,617 acres of farms that are 1 to 99 acres in size in the state of Texas). Derived from county level ownership size data as reported by the USDA, NASS.


Ownership, Farm – Number of farms by ownership size class (e.g., There are 106,389 farms that are 1 to 99 acres in size in the state of Texas). Derived from county level ownership size data as reported by the USDA, NASS.

Ownership, Acre Count Change – Change in the number of acres of farms by ownership size class from 1997 to 2017.

Ownership, Farm Count Change – Change in the number of farms by ownership size class from 1997 to 2017.

Other, Land Use Group – Includes orchards and other agricultural lands as reported in acres by the Texas Comptroller at the ISD level.

Population – County level population data (individuals per county) compiled by the Texas Department of State Health Services using Census Population and Intercensal Estimates Data.



Population Change – Change in population by county from 1997 to 2017. Also includes percent change from the same time period.


Region of Interest – Includes selected counties for particular regions of interest across the state including:

- I-35 Corridor – Counties surrounding Interstate 35 from San Antonio to Austin
- Coastal – All counties with Gulf of Mexico coastline
- Hill Country – Counties designated as part of the Hill Country by the Hill Country Alliance
- D/FW Metroplex – Tarrant/Dallas counties and adjacent counties making up the Dallas/Fort Worth metropolitan area
- Greater Houston – Harris County and adjacent counties making up the greater Houston metropolitan area
- Rio Grande Valley – Hidalgo and Cameron counties

River Basin – Derived from the United States Geological Survey by the Texas Water Development Board. This dataset represents the boundaries for Texas river basins, including the Brazos, Brazos-Colorado, Canadian, Colorado, Colorado-Lavaca, Cypress, Guadalupe, Lavaca, Lavaca-Guadalupe, Neches, Neches-Trinity, Nueces, Nueces-Rio Grande, Red, Rio Grande, Sabine, San Antonio, San Antonio-Nueces, San Jacinto, San Jacinto-Brazos, Sulphur, Trinity, and Trinity-San Jacinto rivers.

Timber, Land Use Group – Includes timber, timber '78, timber in transition, and restricted timber lands as reported in acres by the Texas Comptroller at the ISD level.

Wildlife Management, Land Use Group – Includes wildlife management lands as reported in acres by the Texas Comptroller at the ISD level.



Working Lands – Privately owned farms, ranches, and forests that produce food and fiber, support rural economies, and provide wildlife habitat, clean air and water, and recreational opportunities. Includes all cropland (irrigated and dry), grazing land (native rangeland, non-native pasture, and barren), timber land (timber, timber '78, timber in transition, and restricted timber), and other (orchards and other) agricultural lands collected and compiled from the Texas Comptroller.

Working Lands Change – Change in total acres of Working Lands (as reported by the Texas Comptroller) from 1997 to 2017. Also includes percent change from the same time period.

Data Sources:

United States Department of Agriculture

National Agricultural Statistics Service Survey Data (1997, 2002, 2007, 2012, 2017).

Retrieved from: quickstats.nass.usda.gov.

- Ownership Size data - collected at the County level

Texas Department of State Health Services

Census Population and Intercensal Estimates Data (1997, 2002, 2007, 2012, 2017).

Retrieved from: dshs.state.tx.us/chs/popdat.

- Population Data - collected at the County level

Texas Comptroller of Public Accounts

Property Tax/Value Data. Location: Property Tax Assistance Division (1997, 2002, 2007, 2012, 2017).

Retrieved from: comptroller.texas.gov.

- Working Lands Data - collected at the ISD (independent school district) level
- Market and Productivity Value Data - collected at the ISD level

Texas Land Trends



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