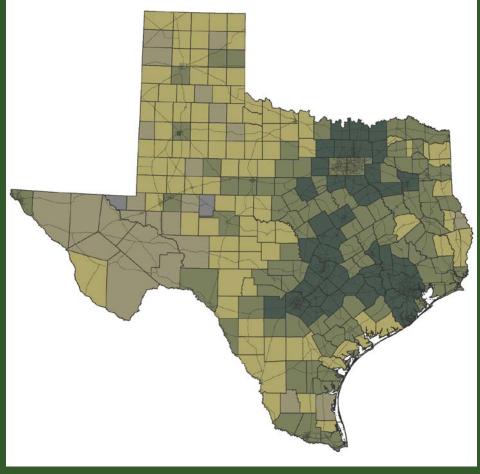






Trends in Texas Rural Lands



Jim Cathey

Texas A&M Natural Resources Institute

- A group of *problem-solvers* for natural resource challenges and we foster stewardship of private lands and their public benefits.
- ~80 staff members
- Four offices:
 - College Station
 - San Antonio
 - Dallas

Leadership

- Washington, D.C.

BAT





Research

Texas Land Trends

- Trends in land use (1997-2017)
- Primary datasets used
 - County Appraisal District
 - USDA NASS Census of Ag
 - Texas Landowner Survey
- Relationships among
 - Land Value
 - Land Ownership
 - Land Use







SIZE

Texas M Land Trends

A publication of the Texas A&M Natural Resources Institute | December 2019

Status Update and Trends of Texas Working Lands

1997 - 2017

Land Trends Publication Series

- Trends in Ownership Along the Texas Borderlands
- Conservation
 Easements in Texas
- Texas Landowner
 Changes and Trend



Report Topics

- Population Growth M
- Land Values
- Working Lands
- Ownership Size



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 $\{in \cdot flu \cdot ence\}_{v.}$ 1. to affect the nature, development, or condition of;



Benefits of Rural Lands

- Working Lands farms, ranches, family forests, wildlife (1-D & 1-D-1 agricultural valuation)
 - These lands play a critical role in sustaining life by providing water, food, energy, and national security
 - *Effective* conservation requires
 innovative solutions to sustaining
 private rural working lands



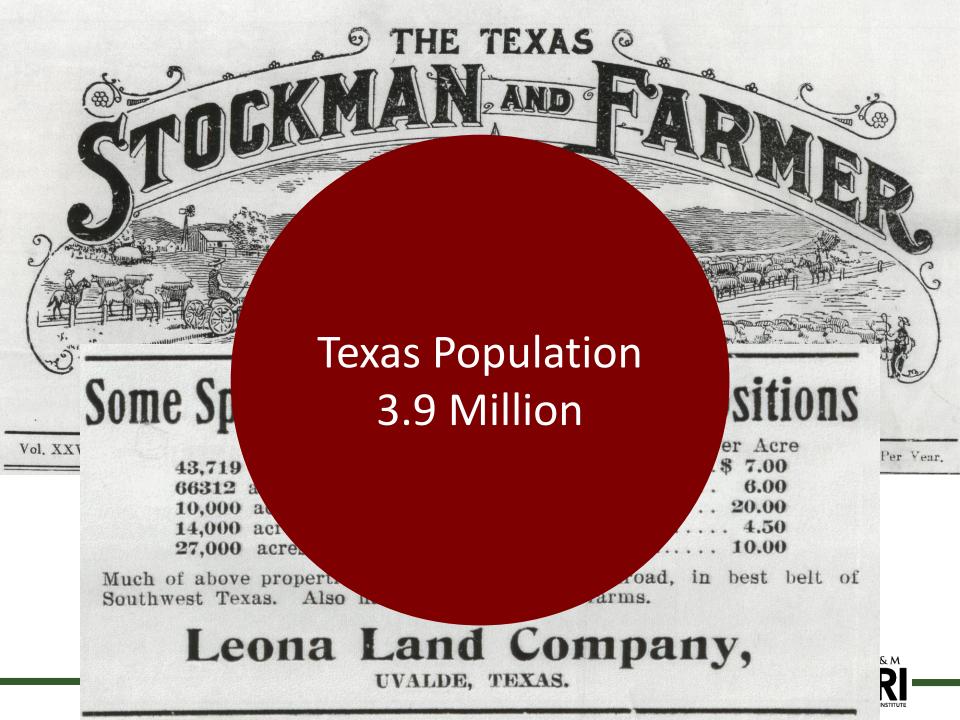


Public Benefits - "Ecosystem Services"

- Private lands provide "ecosystem services" or public benefits to communities
 - Clean water,
 - Clean air
 - Carbon sequestration
 - Recreation
- Disturbances or alterations to functioning landscapes can lead to degradation or loss of "ecosystem services"





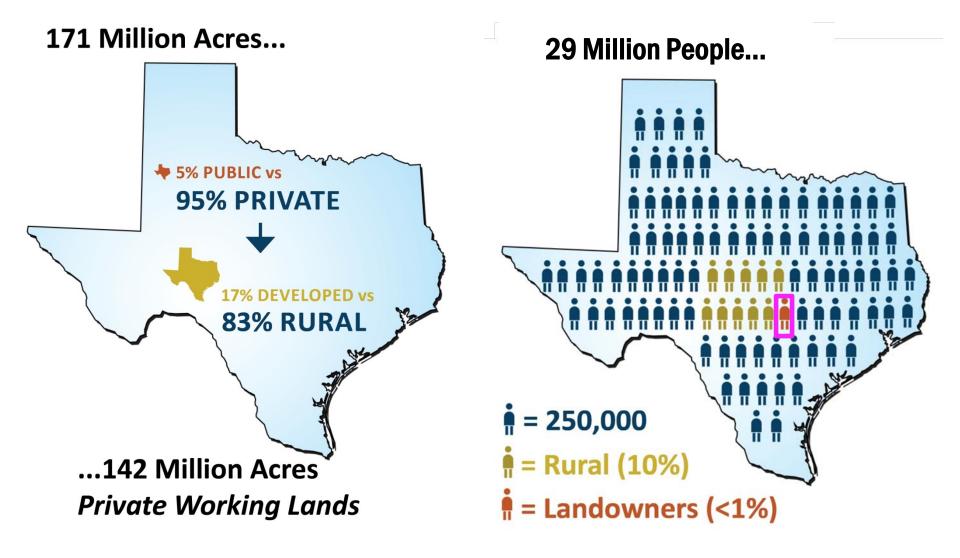








Changing Texas



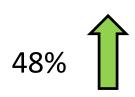




Population Growth...Get Ready for More People!

People in Texas

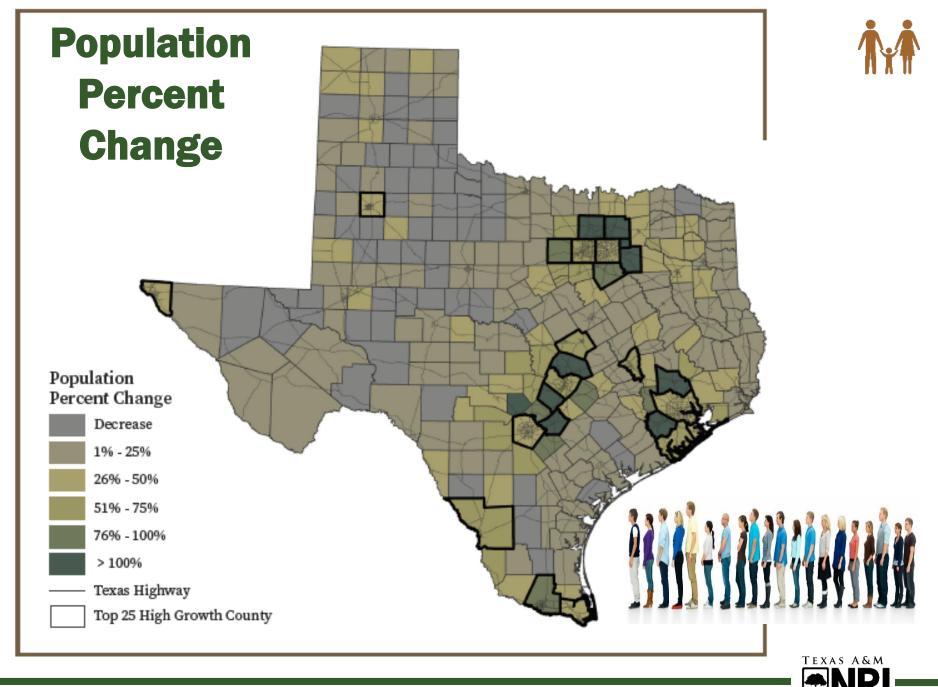
- 1945 = 7M
- 1997 = 19M
- 2017 = 29M



470,000 annually or 1,287 people/day

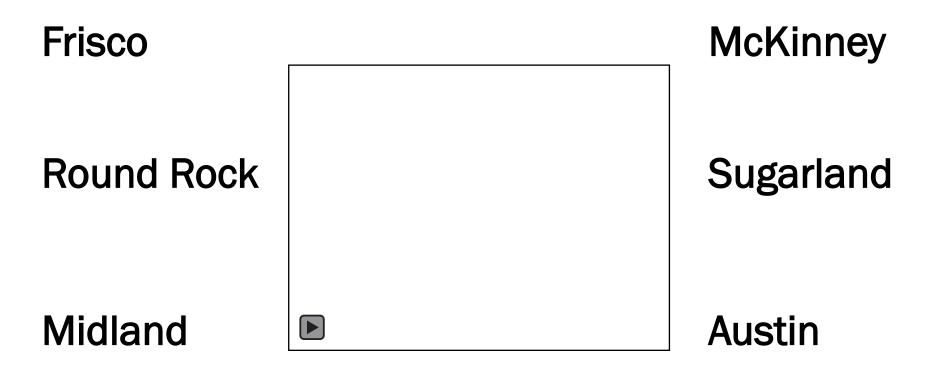








Texas Contains 7 of the 15 Most Rapidly Growing Cities in the Nation



College Station



Conversion Path for Working Lands

Texas Land Trends

Land Ownership or Conversion

> Incentives to Subdivide or Sell

High Land Values

Increased Demand for Rural Land

> Population Growth

> > Economic Growth



E. S. Frank



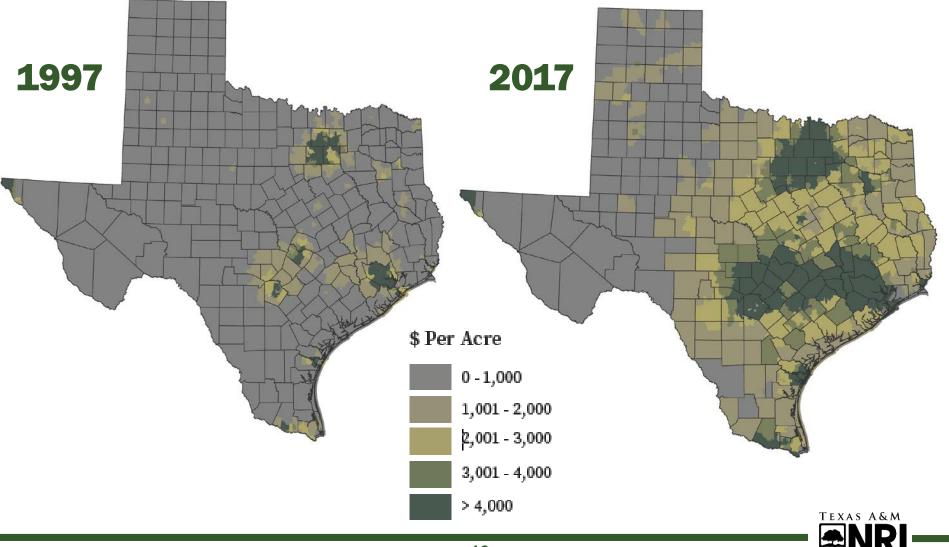


Where it all started: Spindletop in 1908.



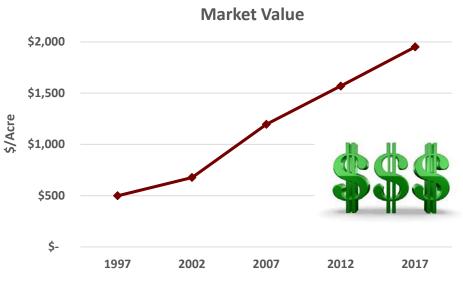


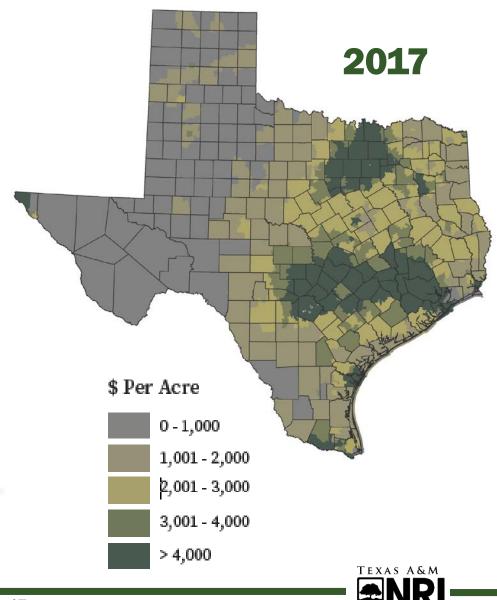
Land Values – Market value \$/ac by ISD



Land Value – Market *Driver*

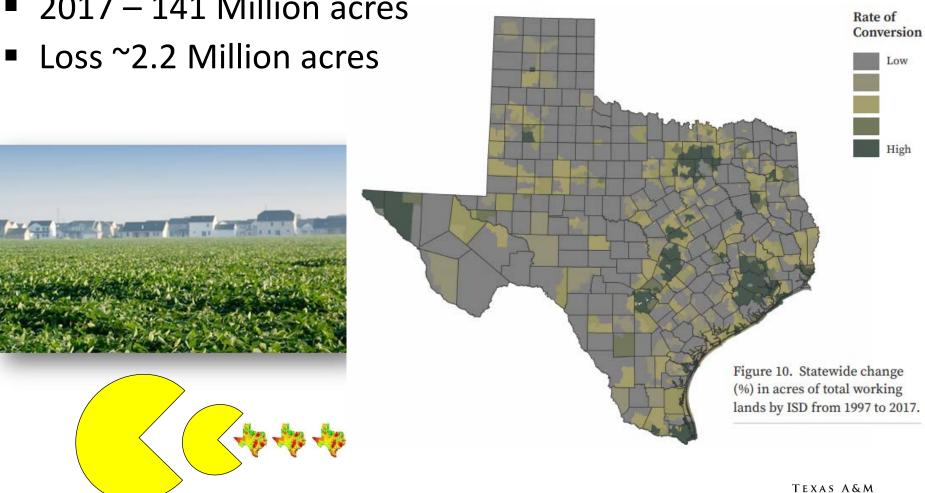
- 1997 \$499/Acre
- 2017 \$1,951/Acre
- Gain of \$1,452/Acre





Working Lands – Loss and *Conversion*

- 1997 143 Million acres
- 2017 141 Million acres
- Loss ~2.2 Million acres



Texas Land Trends

From 1997 to 2017, Texas lost approximately
 2.2M acres of working lands (i.e., converted to

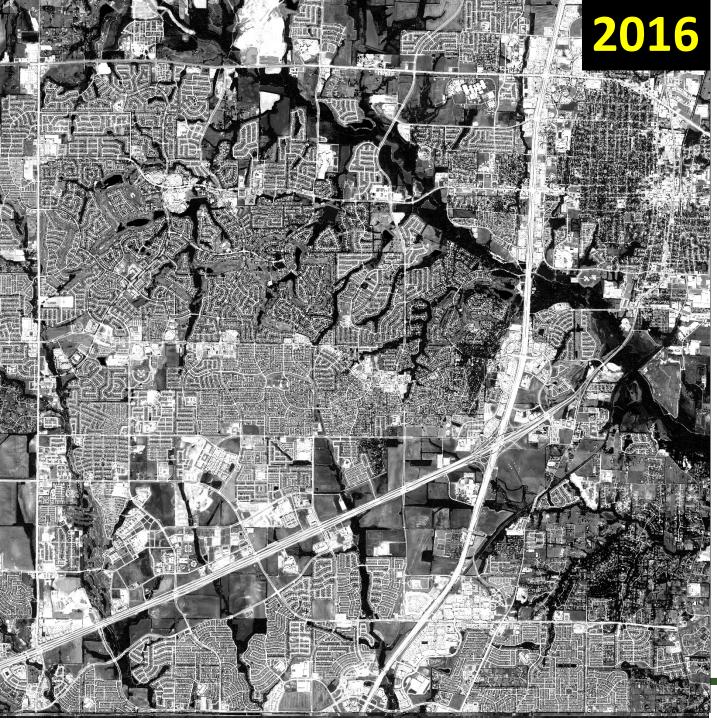
non-agricultural uses)

– a decline of nearly 1.2M acres converted in the last

5-year period



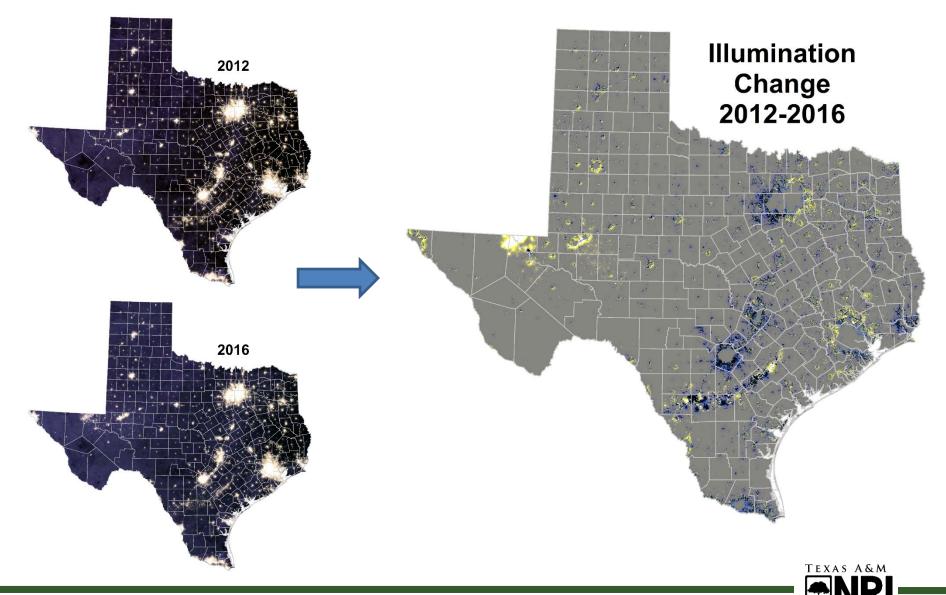




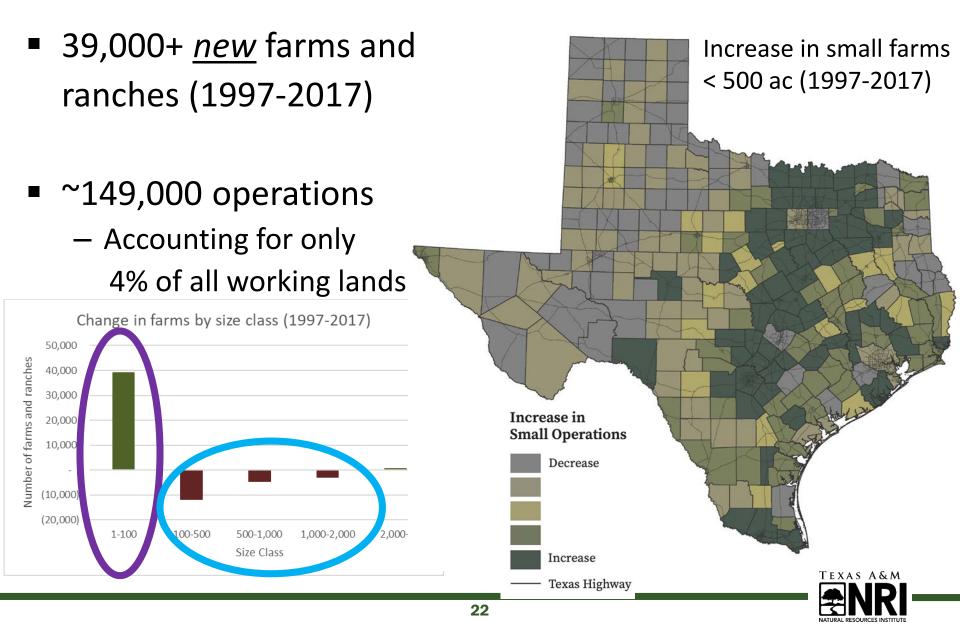
McKinney, Texas



Night Time Illumination

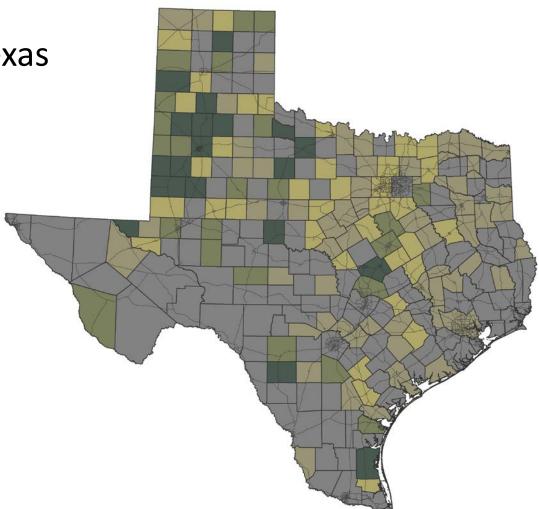


Mathebra Size Less Than 500 ac





- Increase in acres of Texas farms and ranches
- Greater than 2,000 ac
- 1997 2017





Acreage

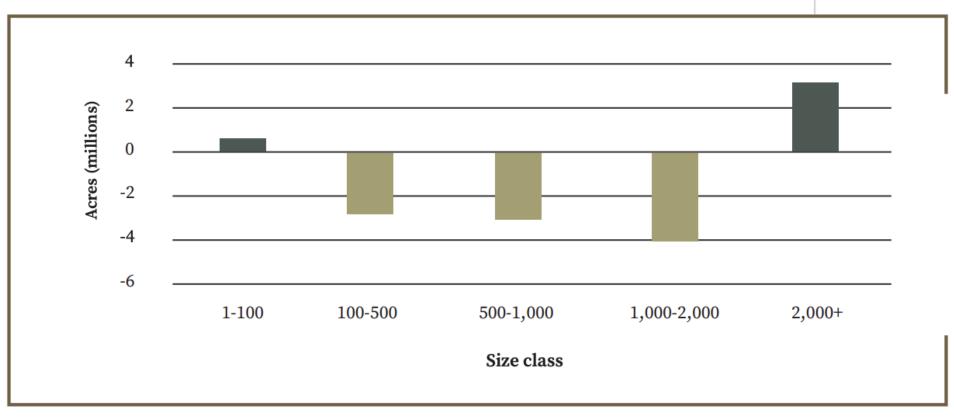


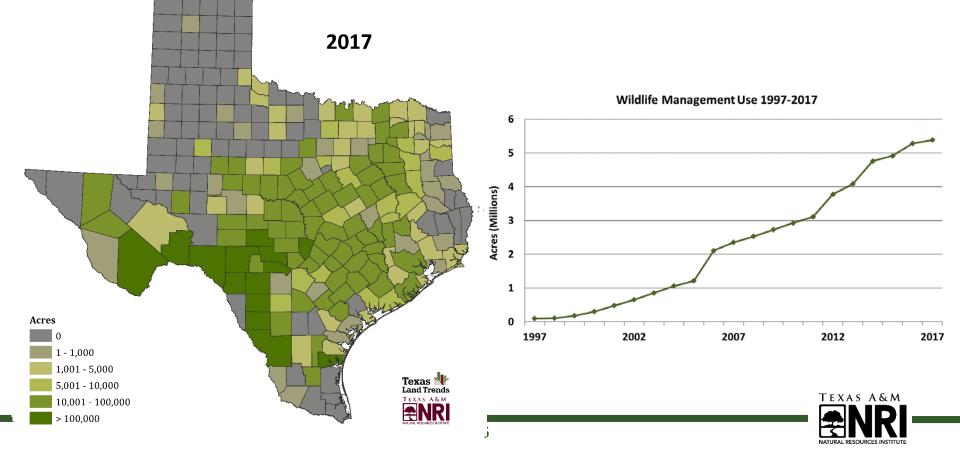
Figure 5. Change in acreage of Texas farms and ranches by ownership size class from 1997 to 2017.





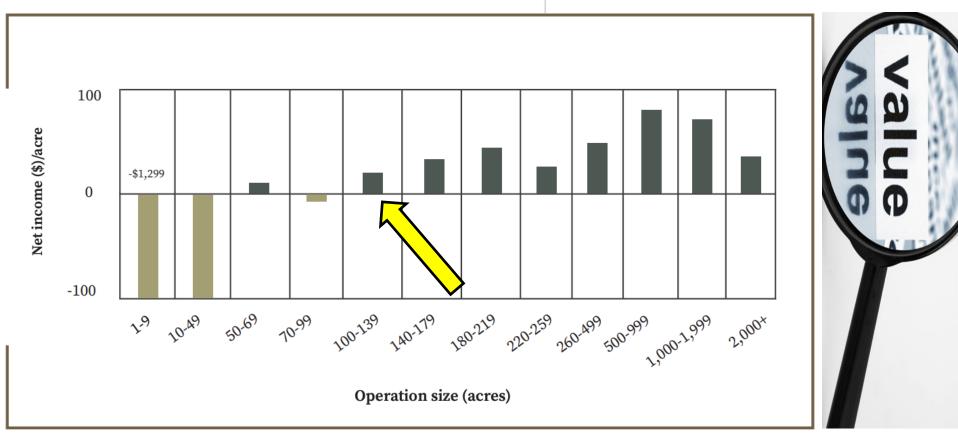
Change to Wildlife Management

Increase to ~5.3M acres



Farm and Ranch Proceeds – Driver





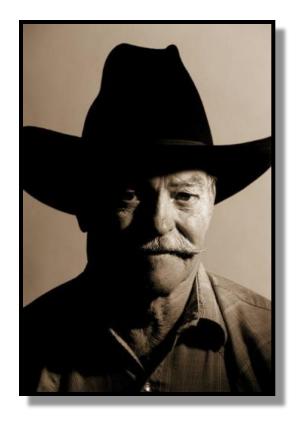
Is Economic Loss a Predictor of Land Conversion?



Landowner Demographics

2007

- average farmer was 57 years old
- forest owners was 65 years old
- During the next 20 years,
 we will witness the largest intergenerational transfer of rural lands in its history





Landowner Demographics

- Future private landowner?
- Younger generation less tied to the land
- Concerns estate taxes on holdings
- Buyers/developers who want to make a better return on their investments than farming or ranching can provide

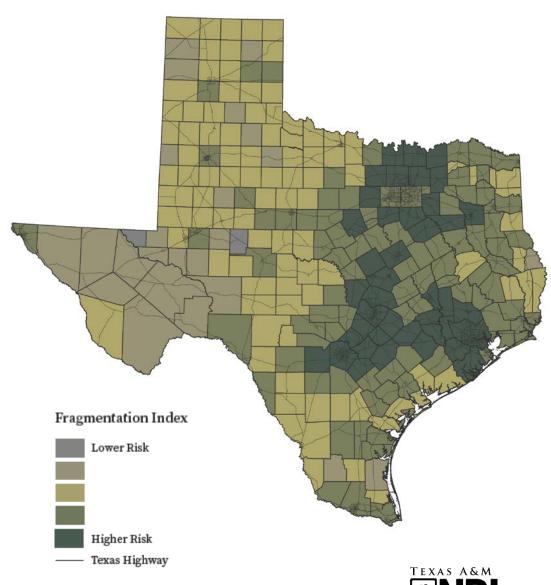




Working Land Fragmentation Risk



- Profitability
- Ecosystem integrity
- Rural Communities



Final Thoughts...

- More People Increasing human population, shifts in ethnicity and urban residents
- Impacts to Farms and Ranches Loss of working lands, fragmentation and conversion BUT not in all places...
- Changing Landowner Perspectives Aging landowners, different objectives, largest intergenerational transfer.
- <u>Communicate</u> the *public* benefits of *private lands*...



Promoting Private Lands Stewardship through Research, Education, and Policy.





http://nri.tamu.edu/ http://txlandtrends.org/

