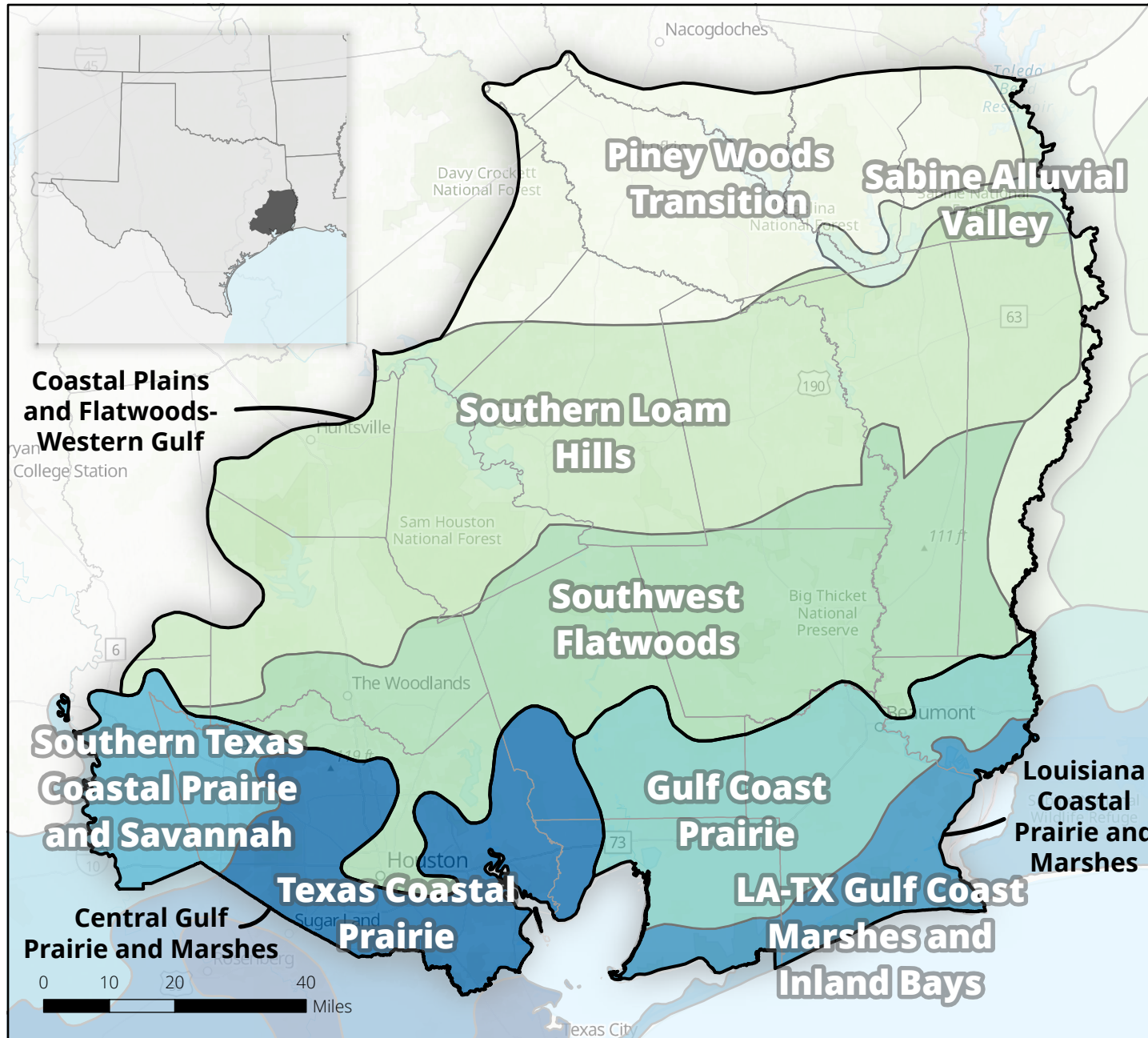


# Restoring Our Majestic Coastal Forests

Study area: Ecological Sections and Subsections



The study area consists of three ecological sections that occur in East Texas:

- Louisiana Coastal Prairie and Marshes
- Coastal Plains and Flatwoods-Western Gulf
- Central Gulf Prairie and Marshes

The ecological sections are divided into subsections, which are listed on the map.

All Forest Inventory and Analysis data used in the final version of this analysis were downloaded on 16 April 2020.

Ecological Subregions:  
[fs.usda.gov/treesearch/pubs/48672](https://fs.usda.gov/treesearch/pubs/48672)

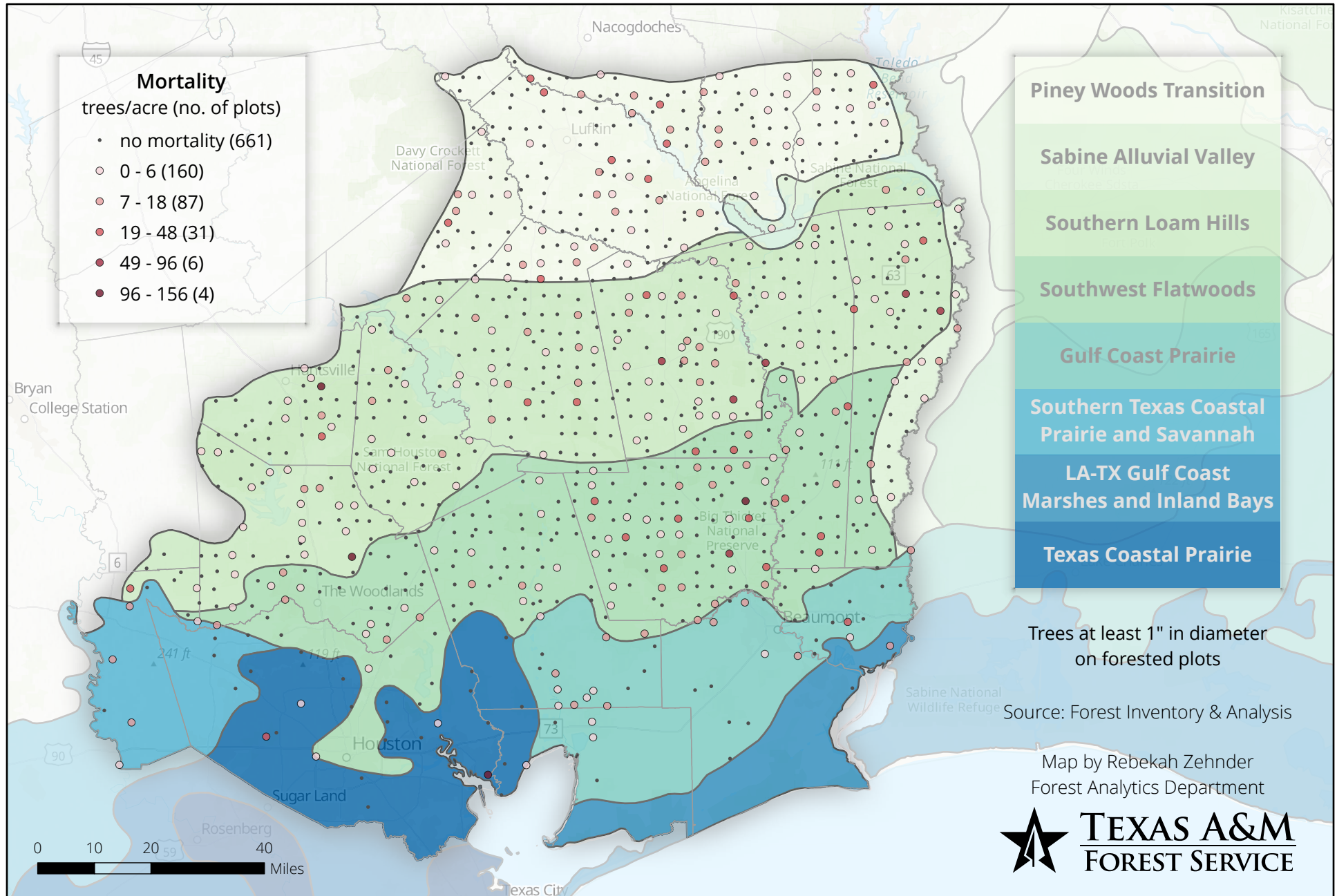
Ecological Subregion Descriptions:  
[srs.fs.usda.gov/pubs/48669](https://srs.fs.usda.gov/pubs/48669)

FIA data:  
[apps.fs.usda.gov/fia/datamart/datamart.html](https://apps.fs.usda.gov/fia/datamart/datamart.html)

Map by Rebekah Zehnder  
Forest Analytics Department

# Coastal Forest Mortality

Number of trees per acre that died between measurement in 2001-2003 and remeasurement in 2004-2008



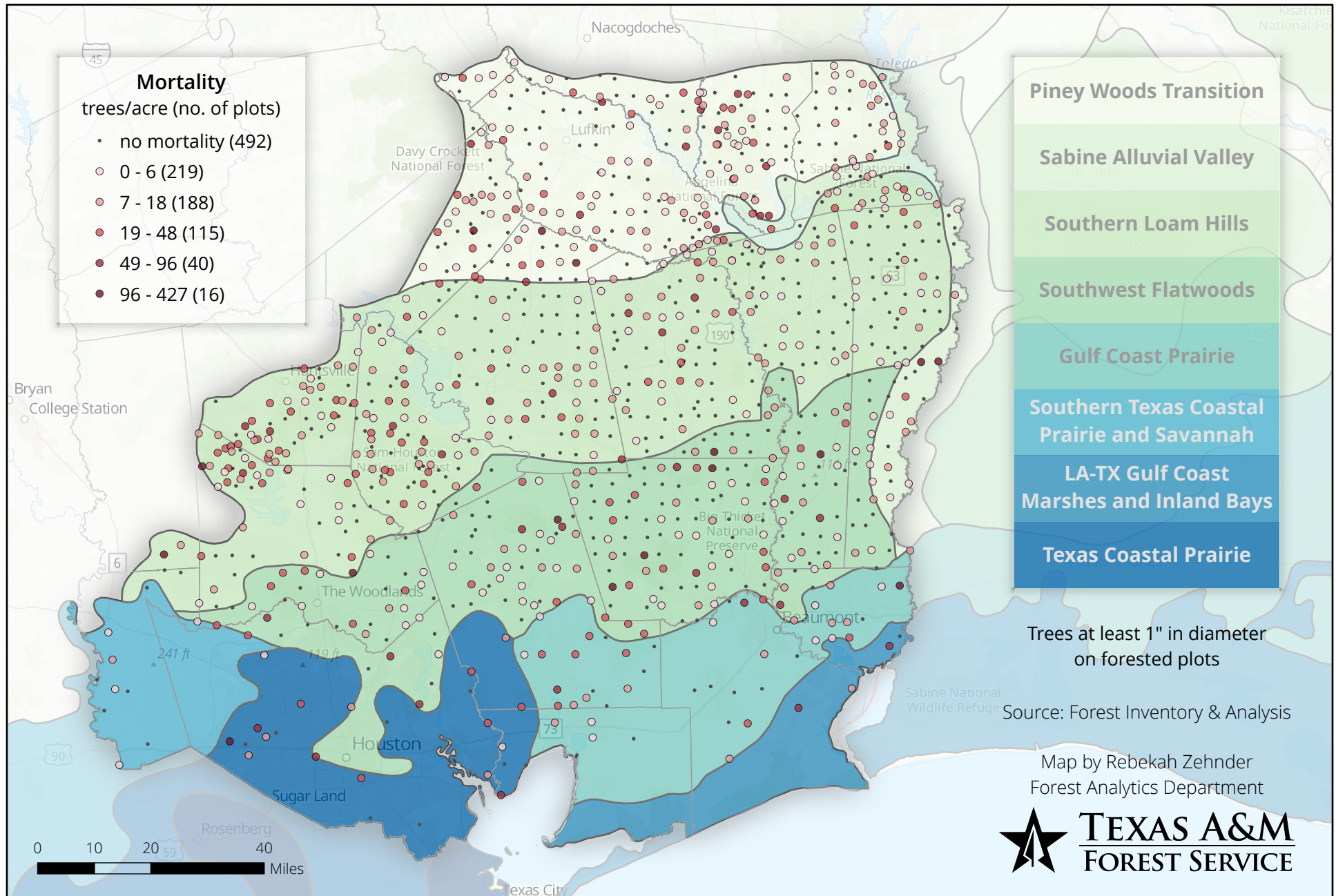
Number of trees per acre that died between measurement in 2004-2008 and remeasurement in 2009-2013





# Coastal Forest Mortality

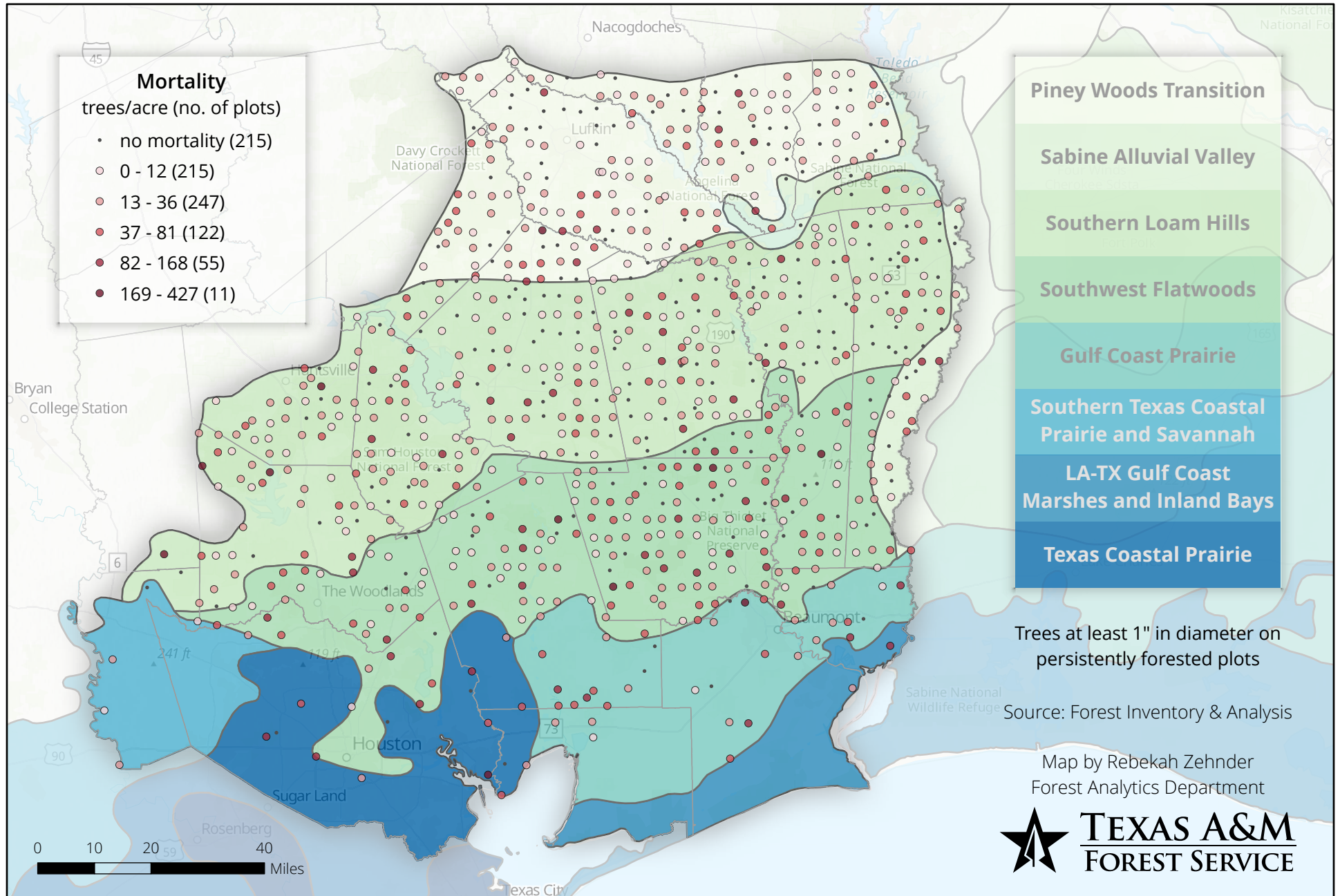
Number of trees per acre that died between measurement in 2009-2013 and remeasurement in 2014-2018





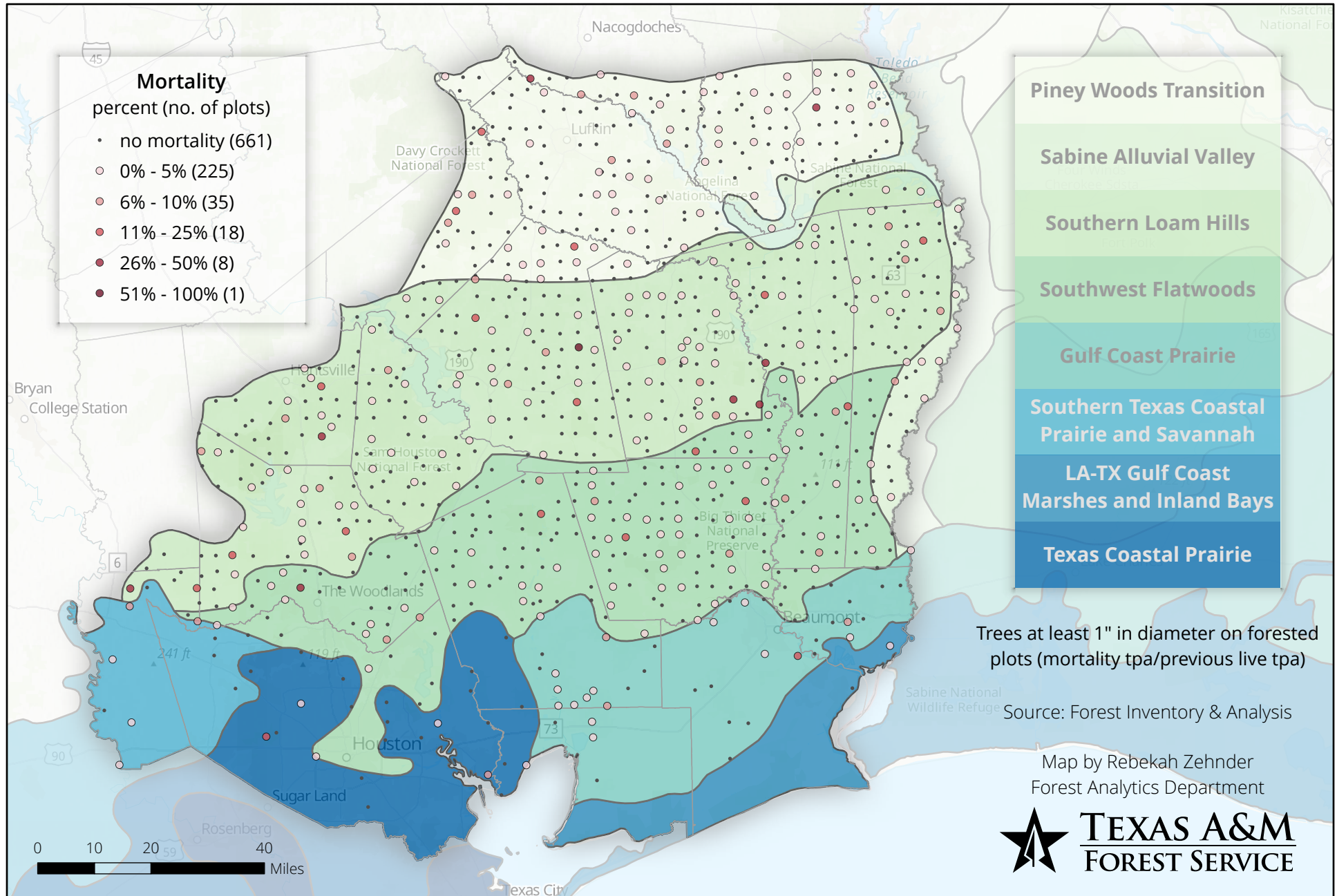
# Coastal Forest Mortality

Cumulative number of trees per acre that died between 2001-2003 and 2014-2018



# Coastal Forest Mortality

Percent of trees per acre that died between measurement in 2001-2003 and remeasurement in 2004-2008





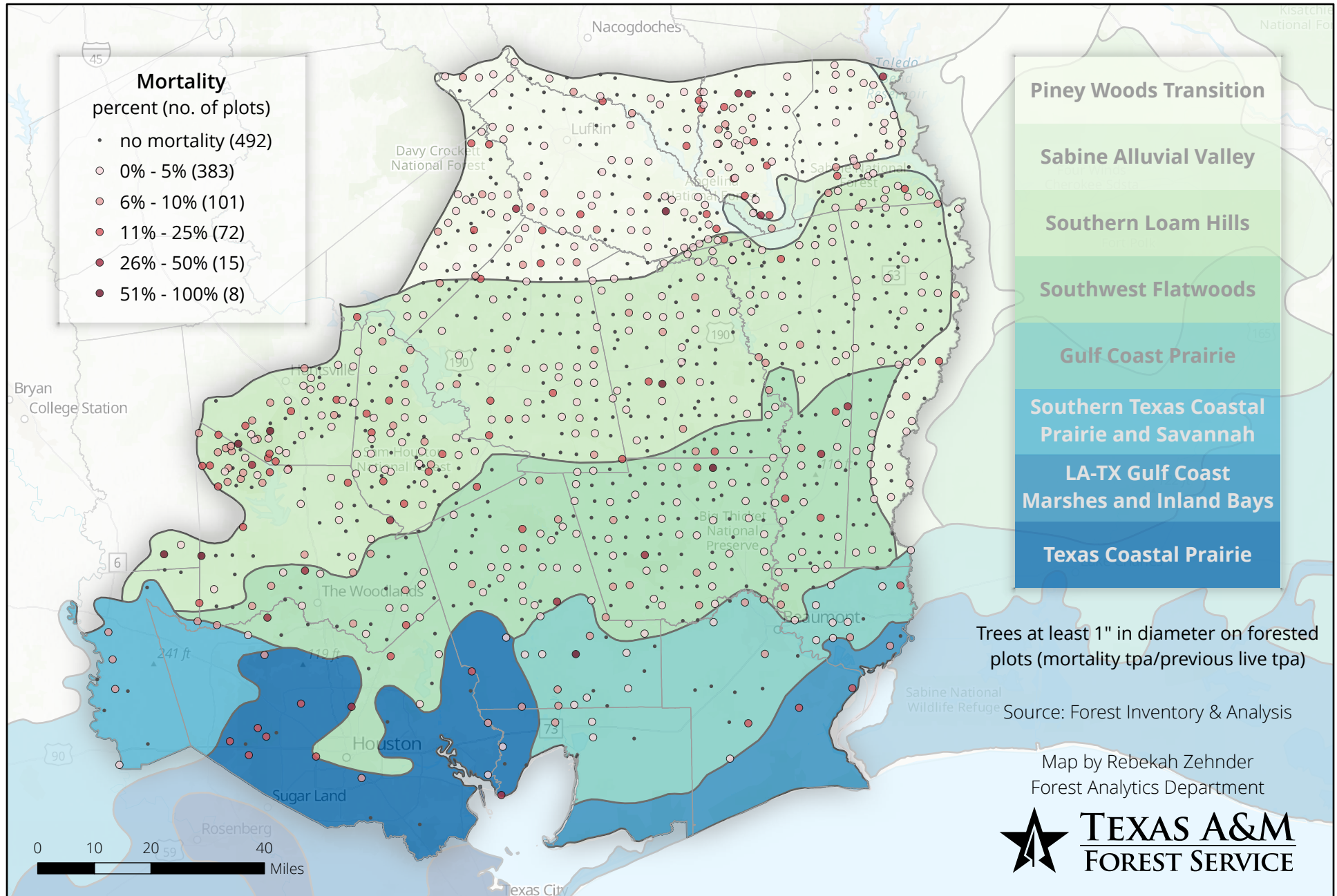
Percent of trees per acre that died between measurement in 2004-2008 and remeasurement in 2009-2013





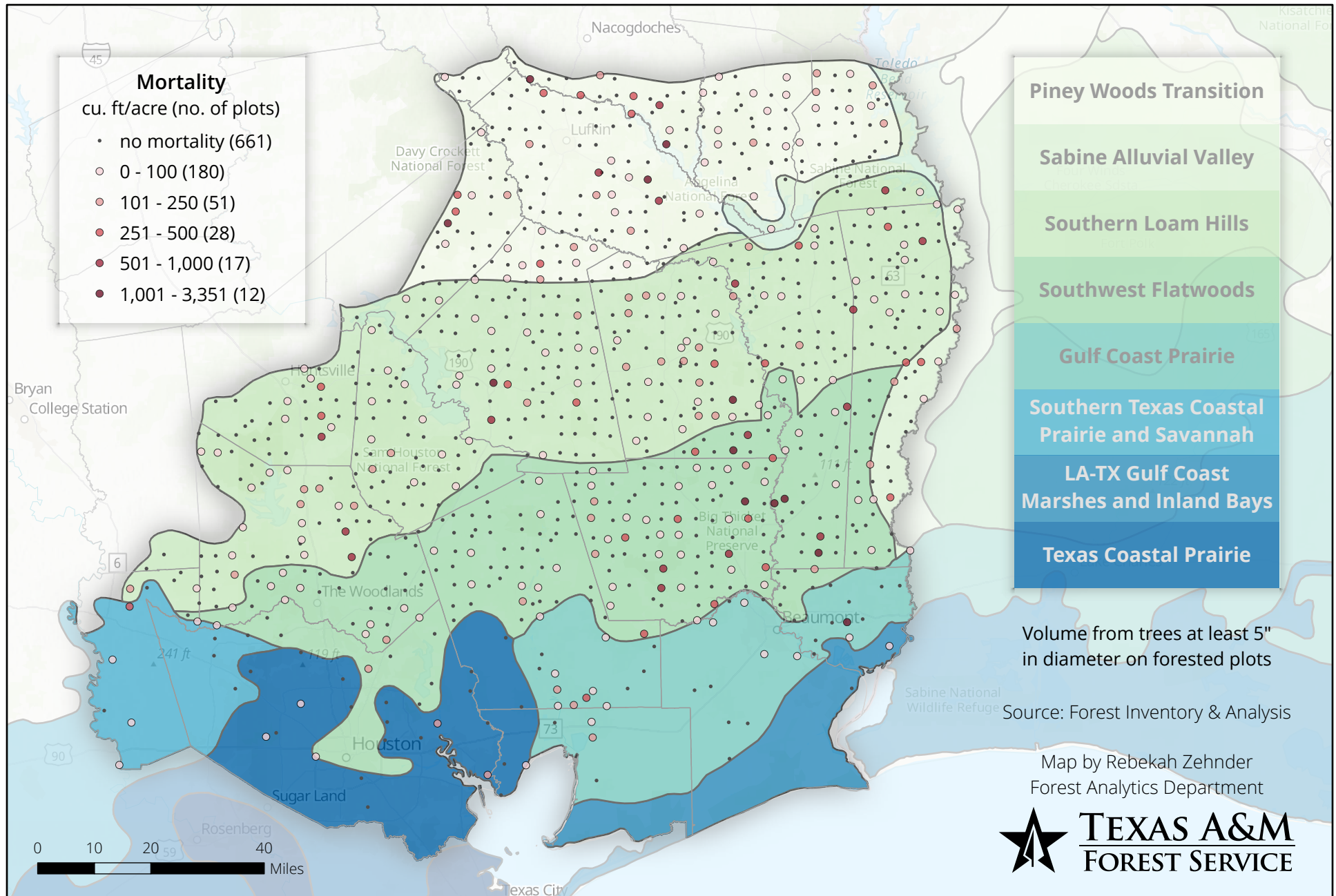
# Coastal Forest Mortality

Percent of trees per acre that died between measurement in 2009-2013 and remeasurement in 2014-2018



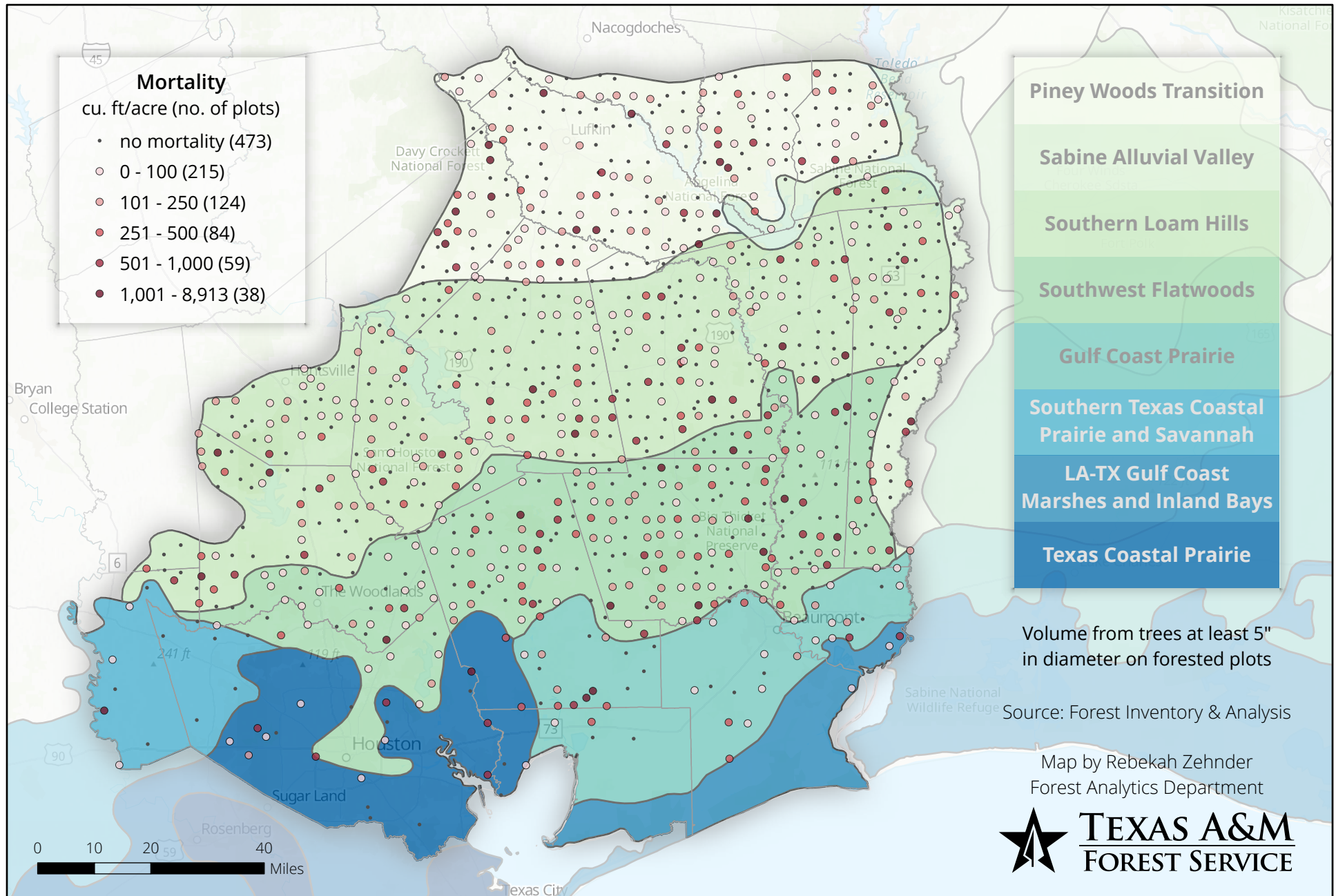
# Coastal Forest Mortality

Volume of trees per acre that died between measurement in 2001-2003 and remeasurement in 2004-2008



# Coastal Forest Mortality

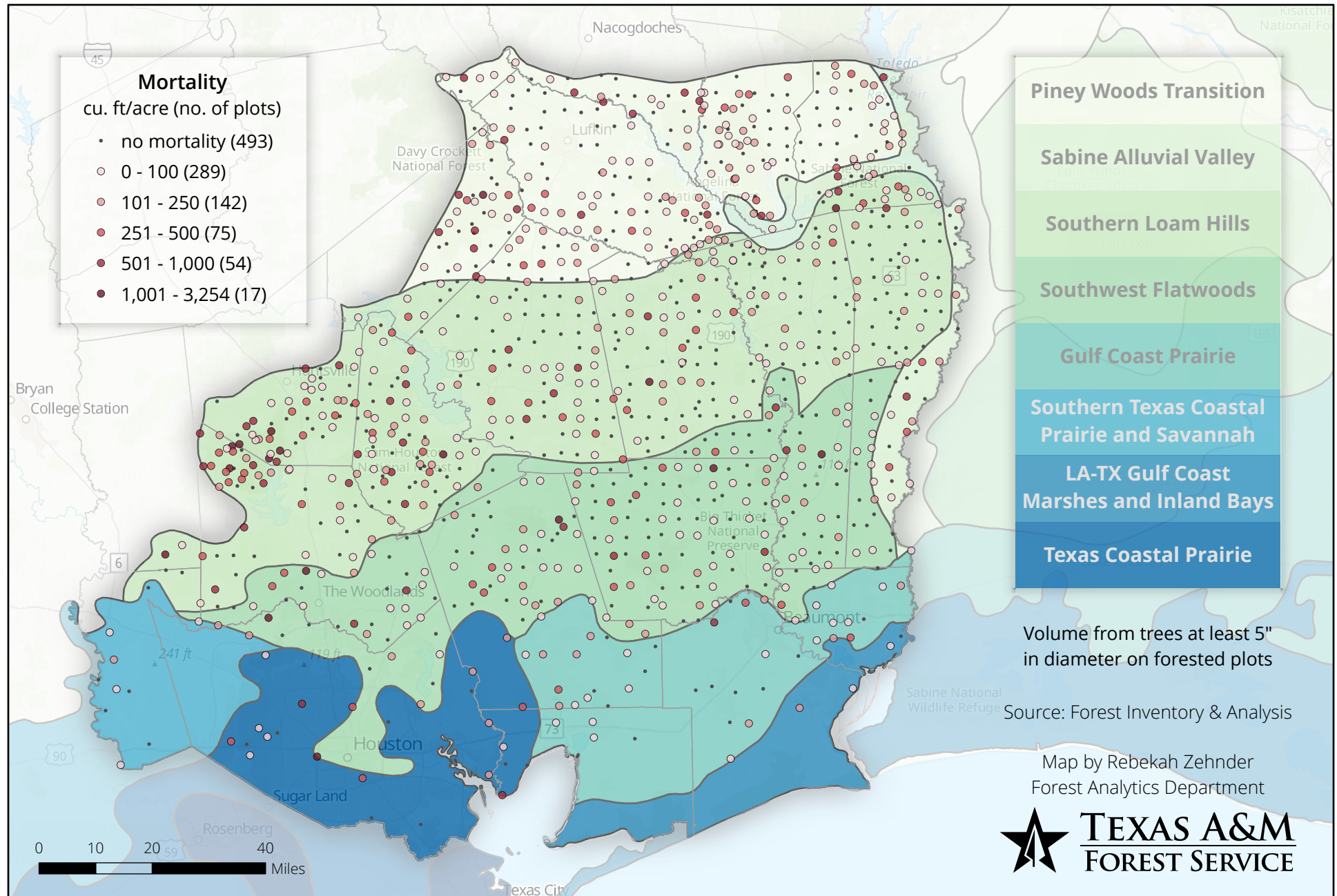
Volume of trees per acre that died between measurement in 2004-2008 and remeasurement in 2009-2013





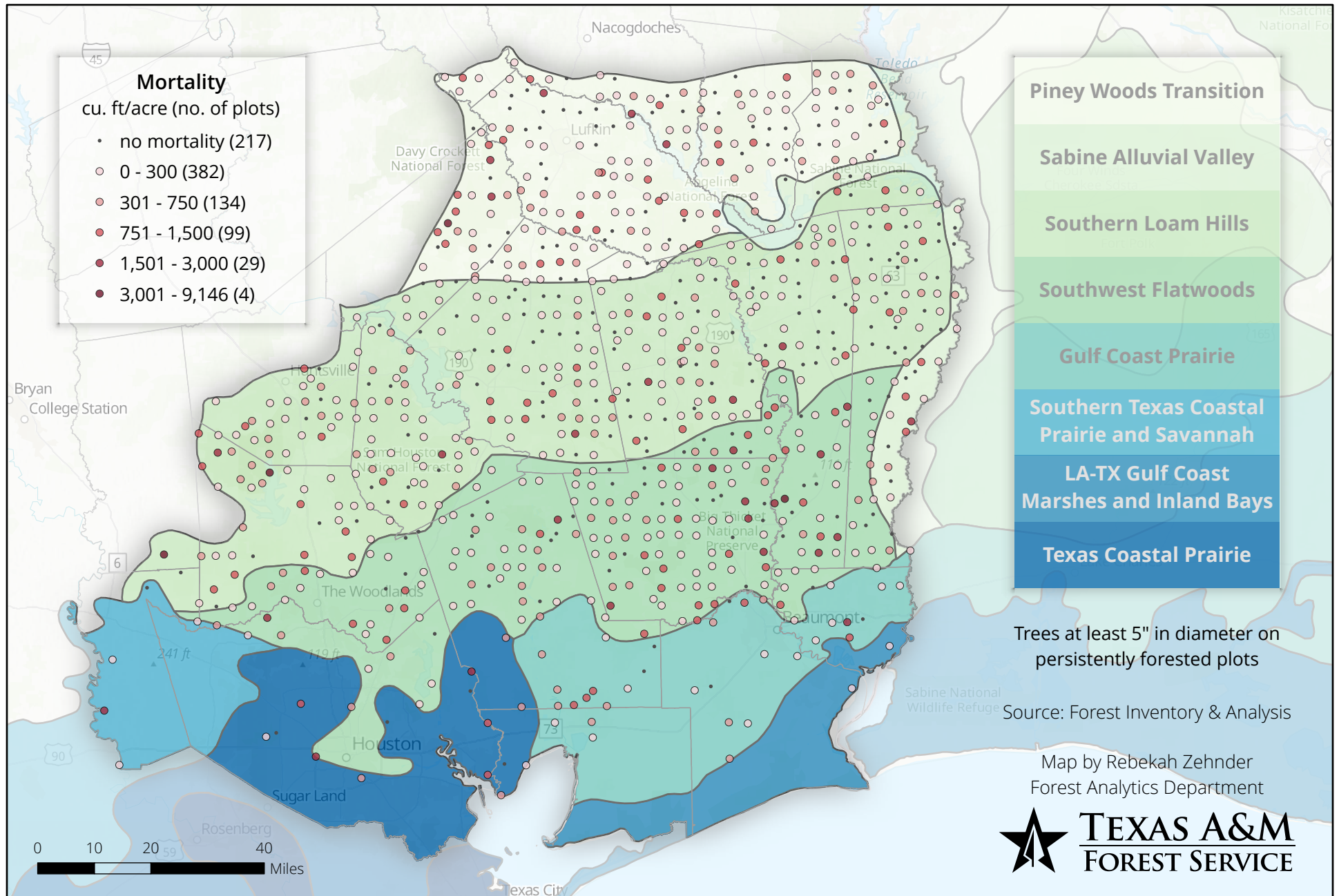
# Coastal Forest Mortality

Volume of trees per acre that died between measurement in 2009-2013 and remeasurement in 2014-2018



# Coastal Forest Mortality

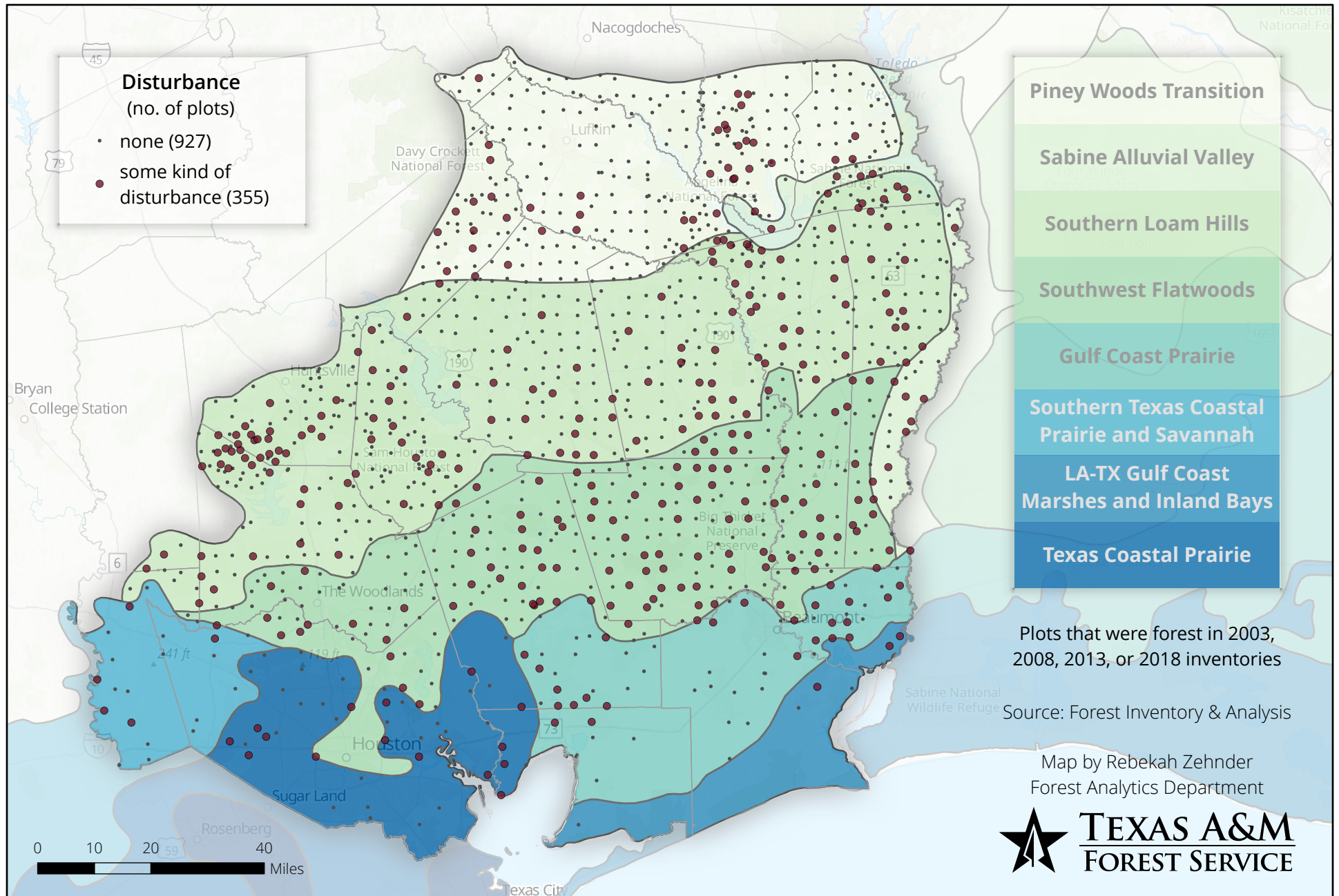
Cumulative volume of trees per acre that died between 2001-2003 and 2014-2018





# Coastal Forest Disturbance

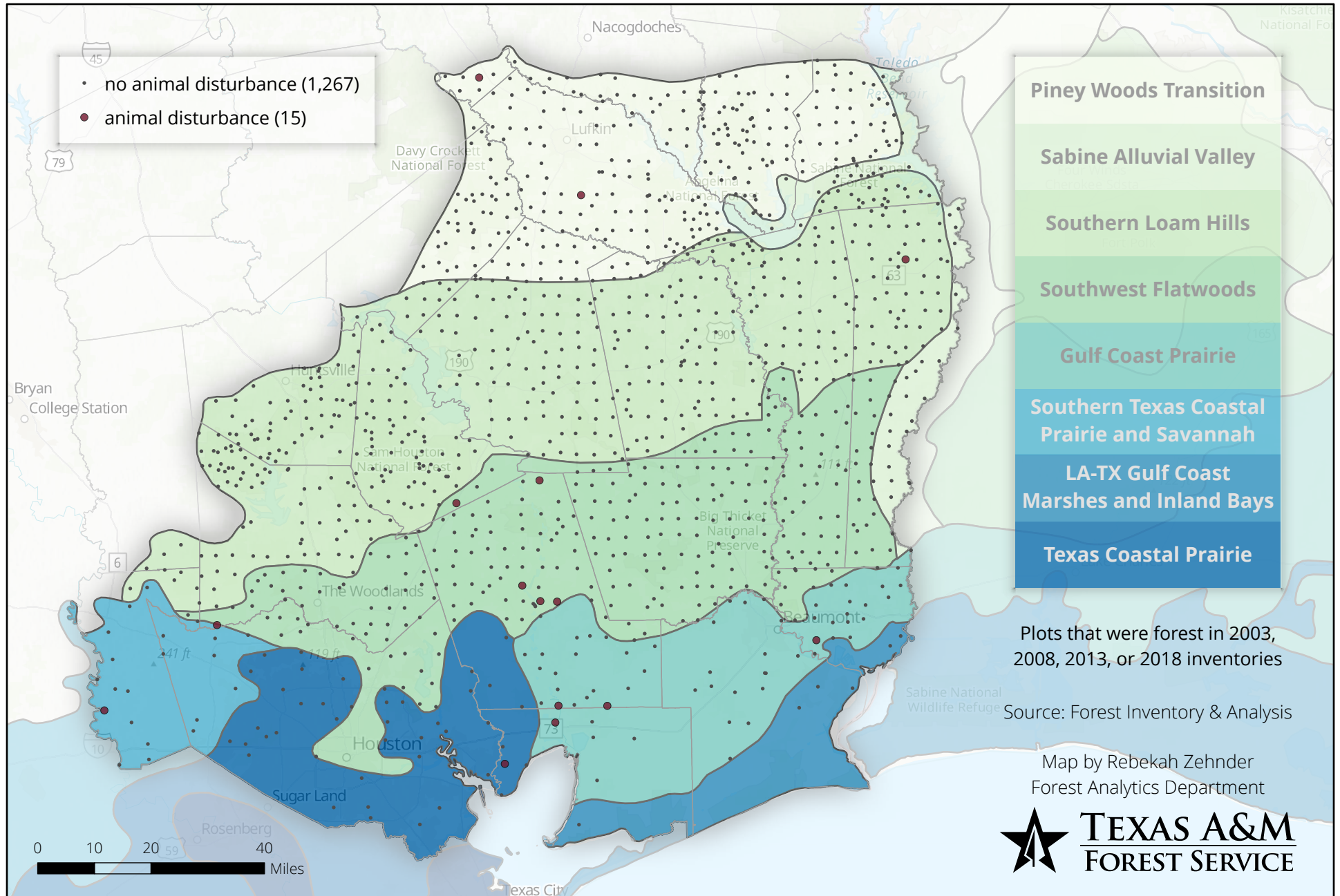
Forest plots that experienced disturbance between 1998 and 2018





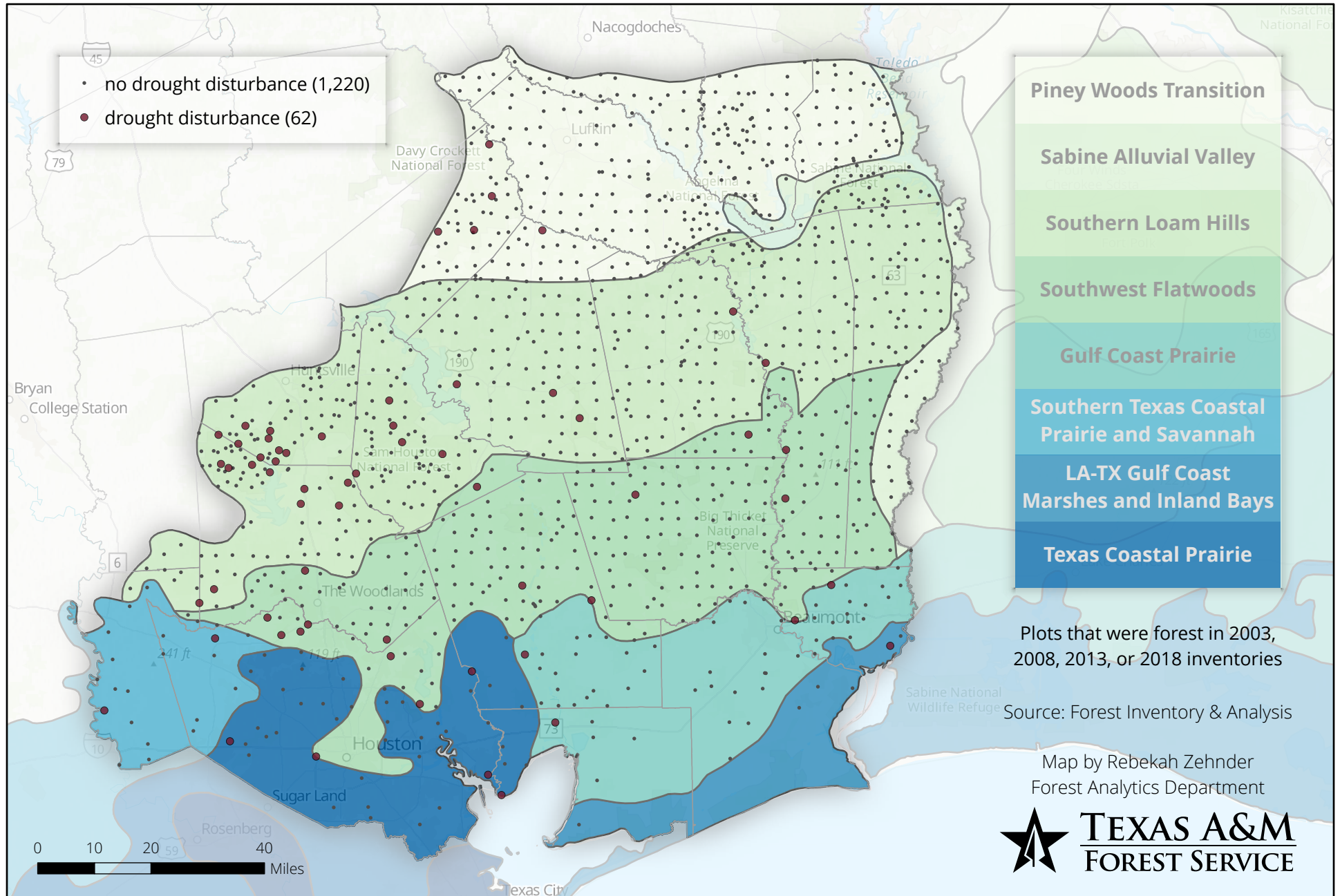
# Coastal Forest Disturbance: Animal

Forest plots that experienced animal disturbance between 1998 and 2018

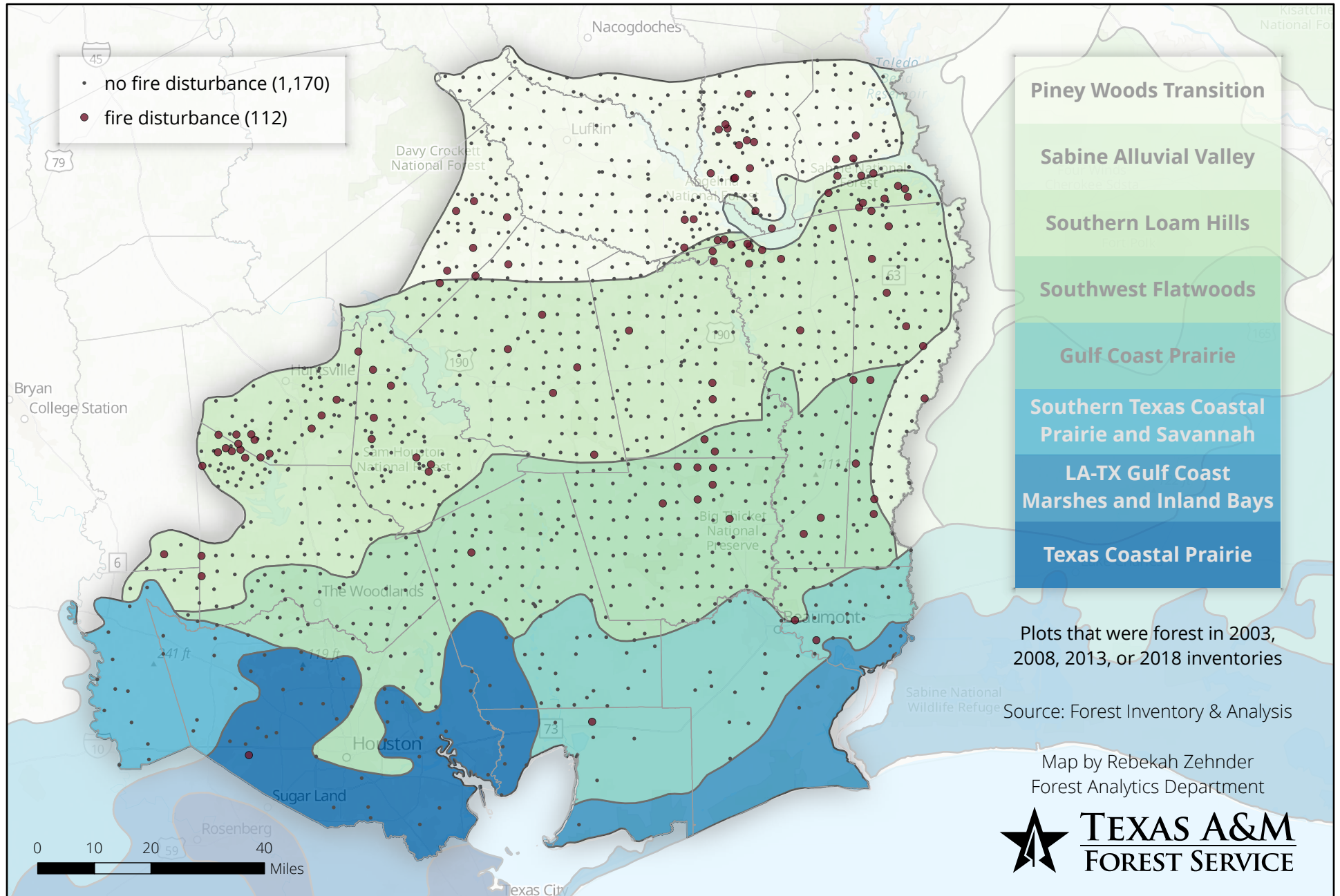


# Coastal Forest Disturbance: Drought

Forest plots that experienced drought disturbance between 1998 and 2018

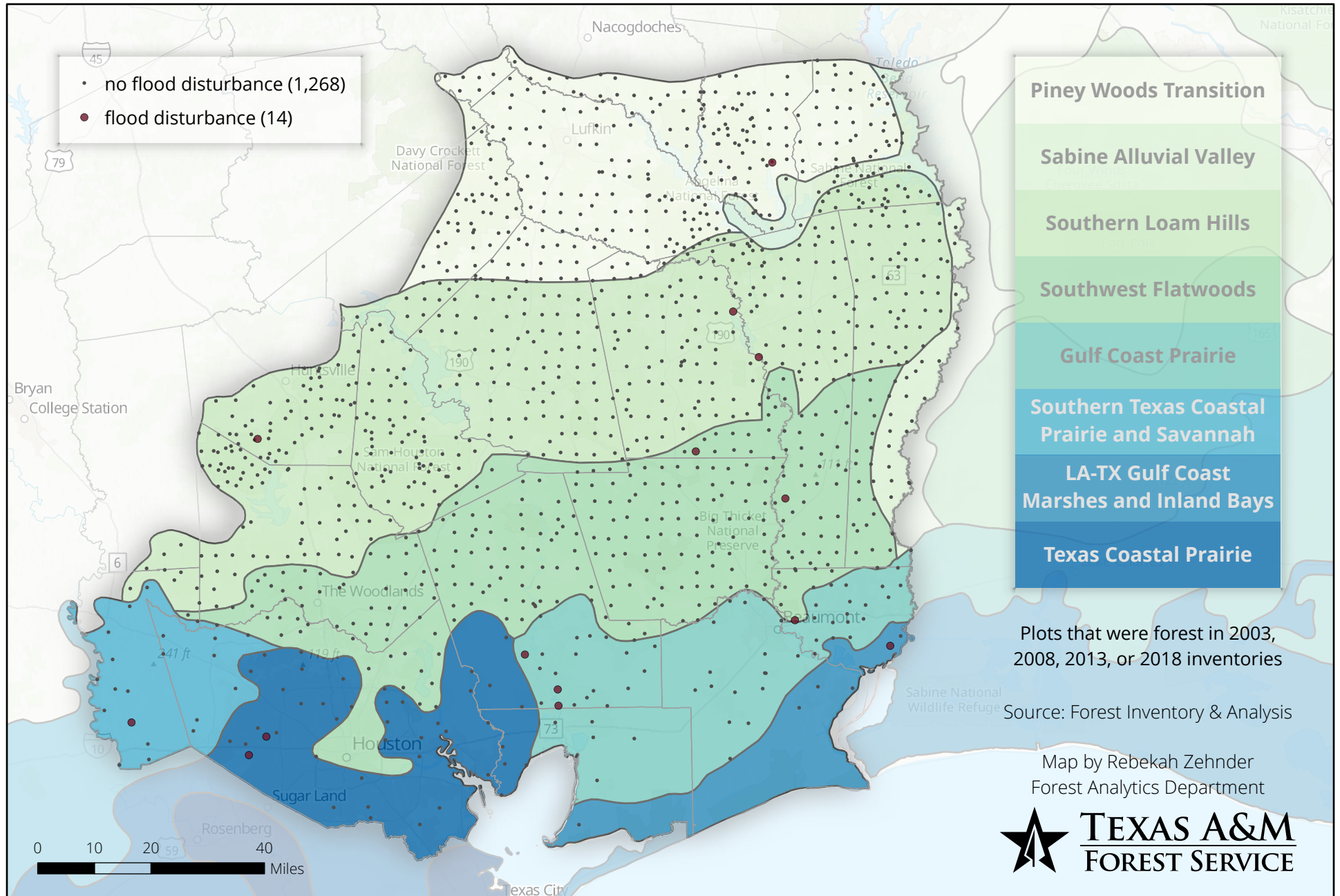


Forest plots that experienced fire disturbance between 1998 and 2018



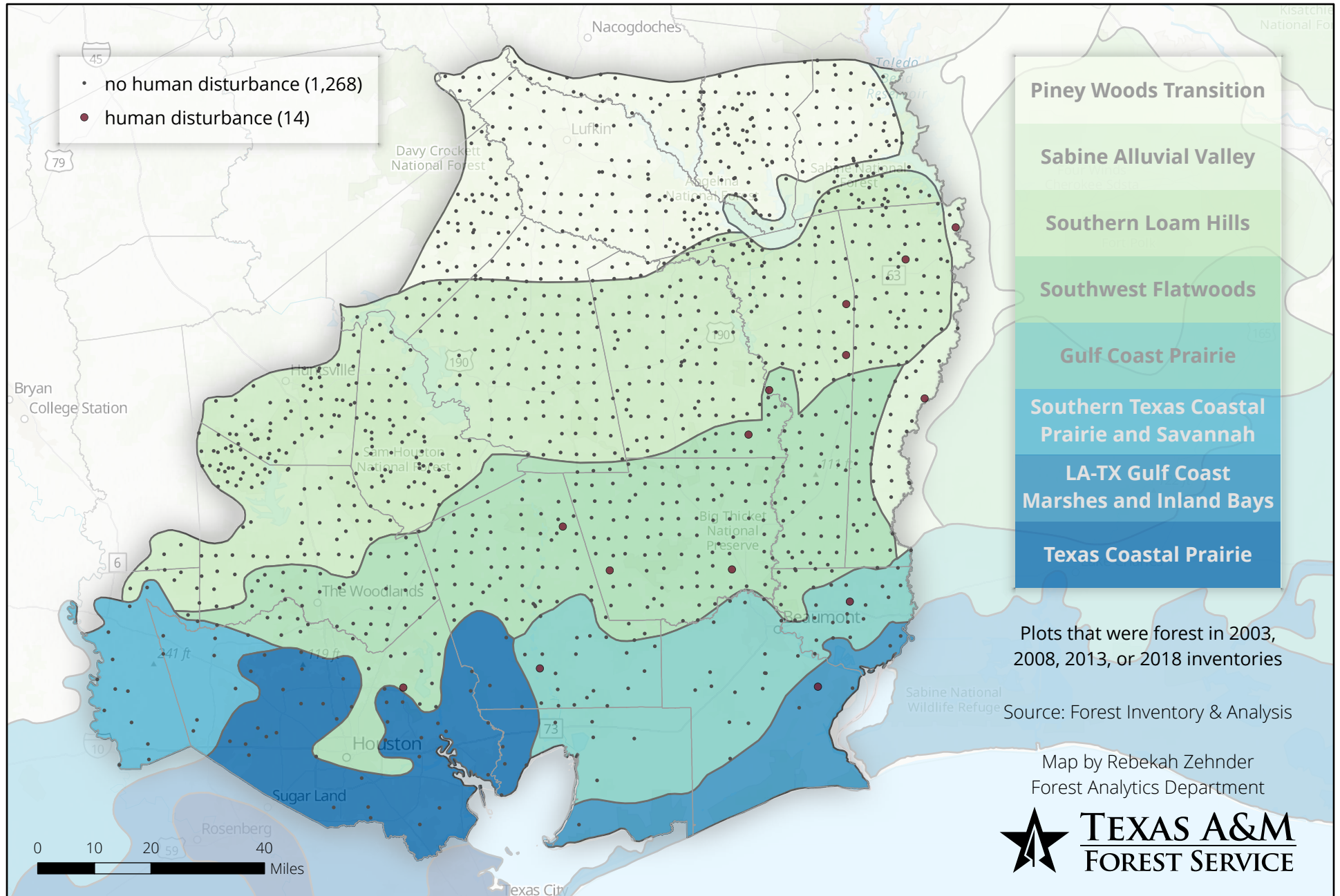


### Forest plots that experienced flood disturbance between 1998 and 2018



# Coastal Forest Disturbance: Human

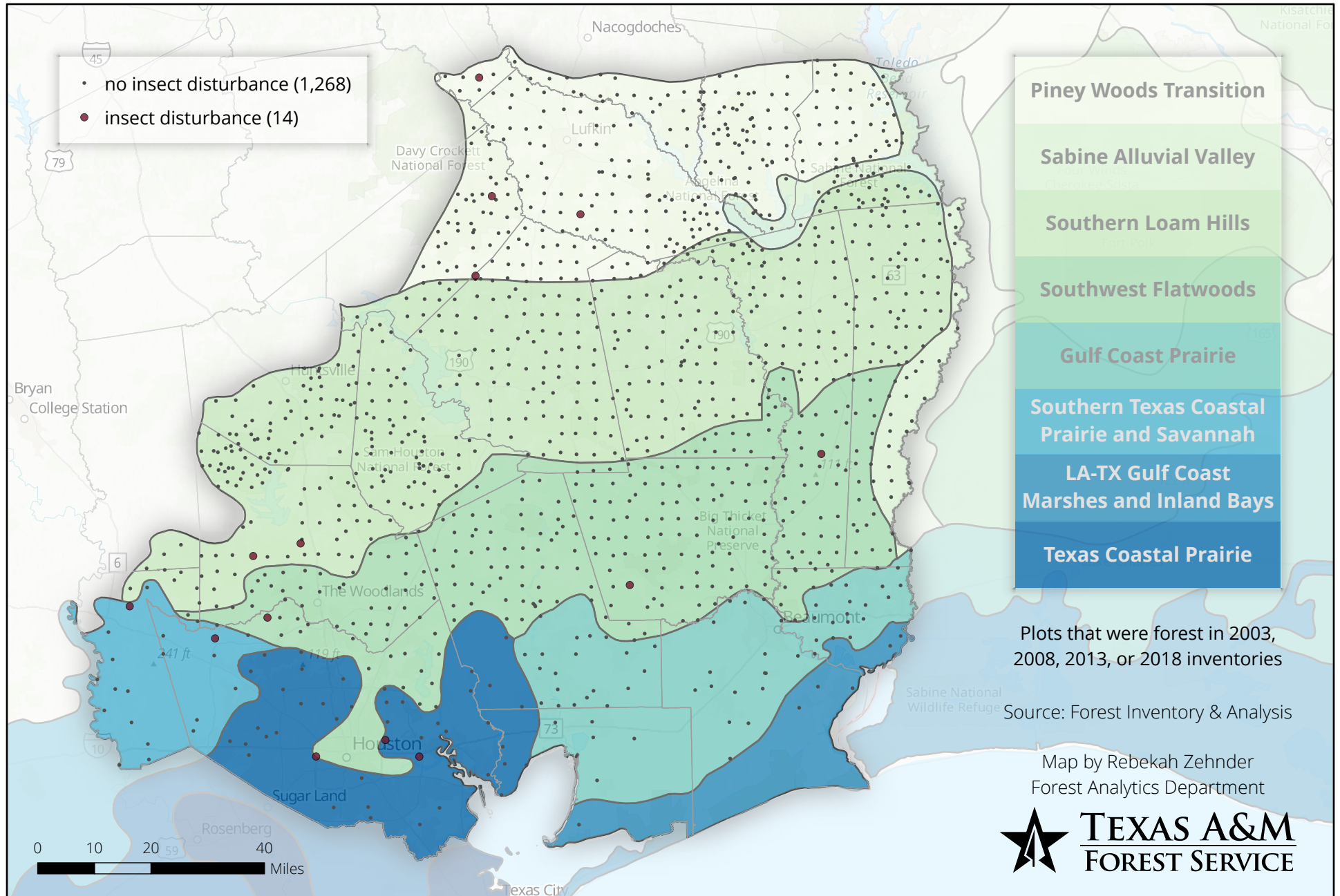
Forest plots that experienced human disturbance between 1998 and 2018





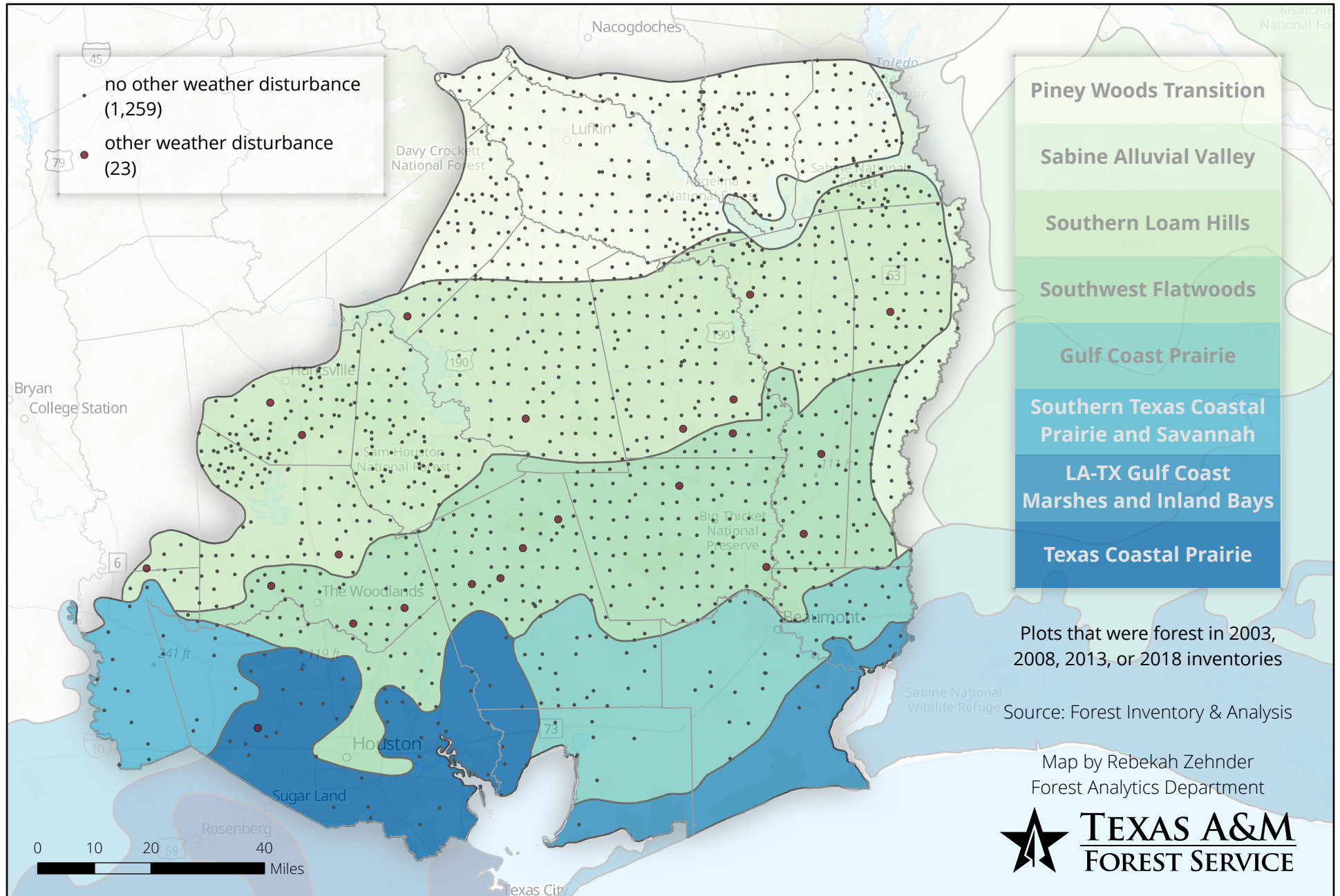
# Coastal Forest Disturbance: Insects

Forest plots that experienced insects disturbance between 1998 and 2018



# Coastal Forest Disturbance: Other Weather

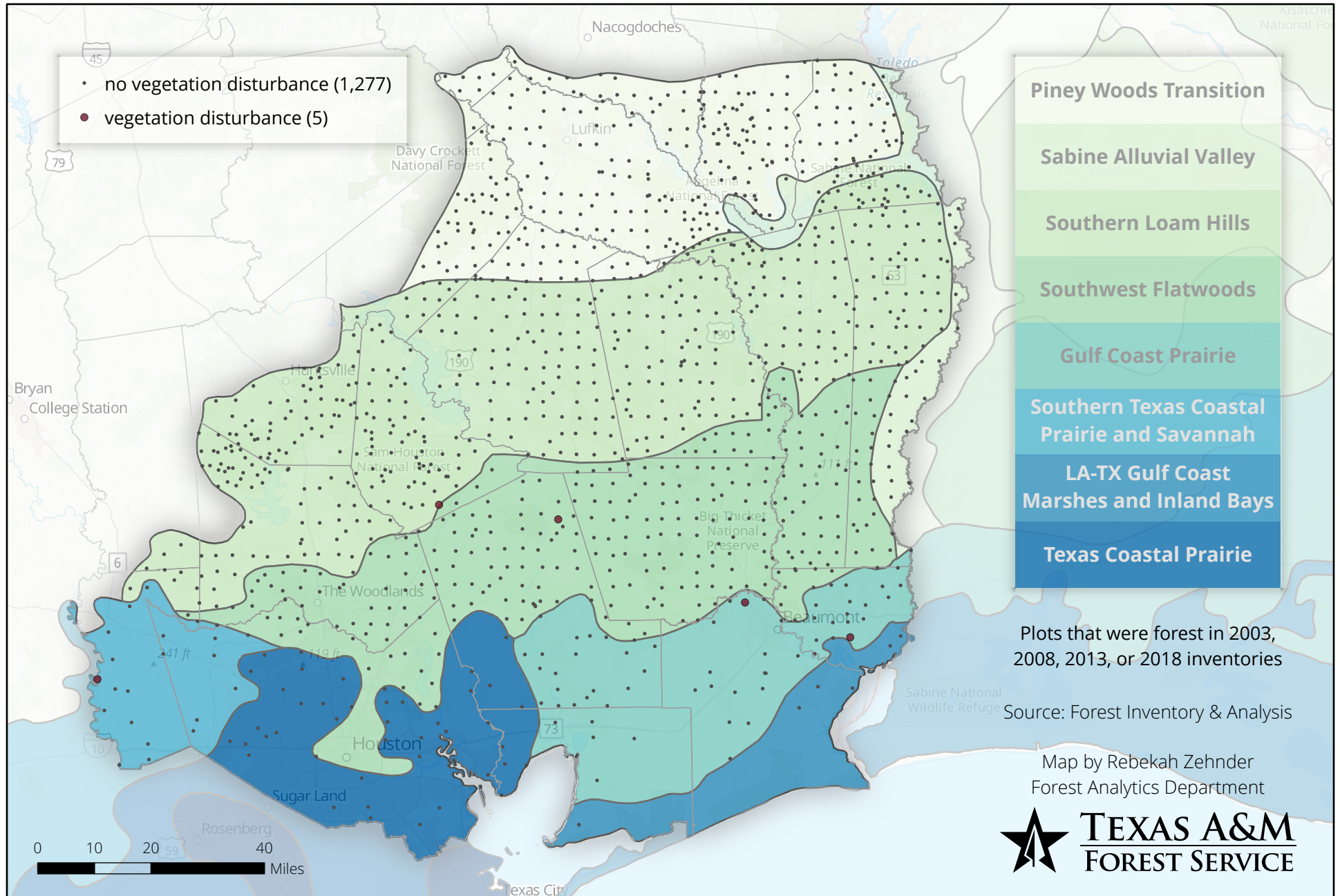
Forest plots that experienced other weather disturbance between 1998 and 2018





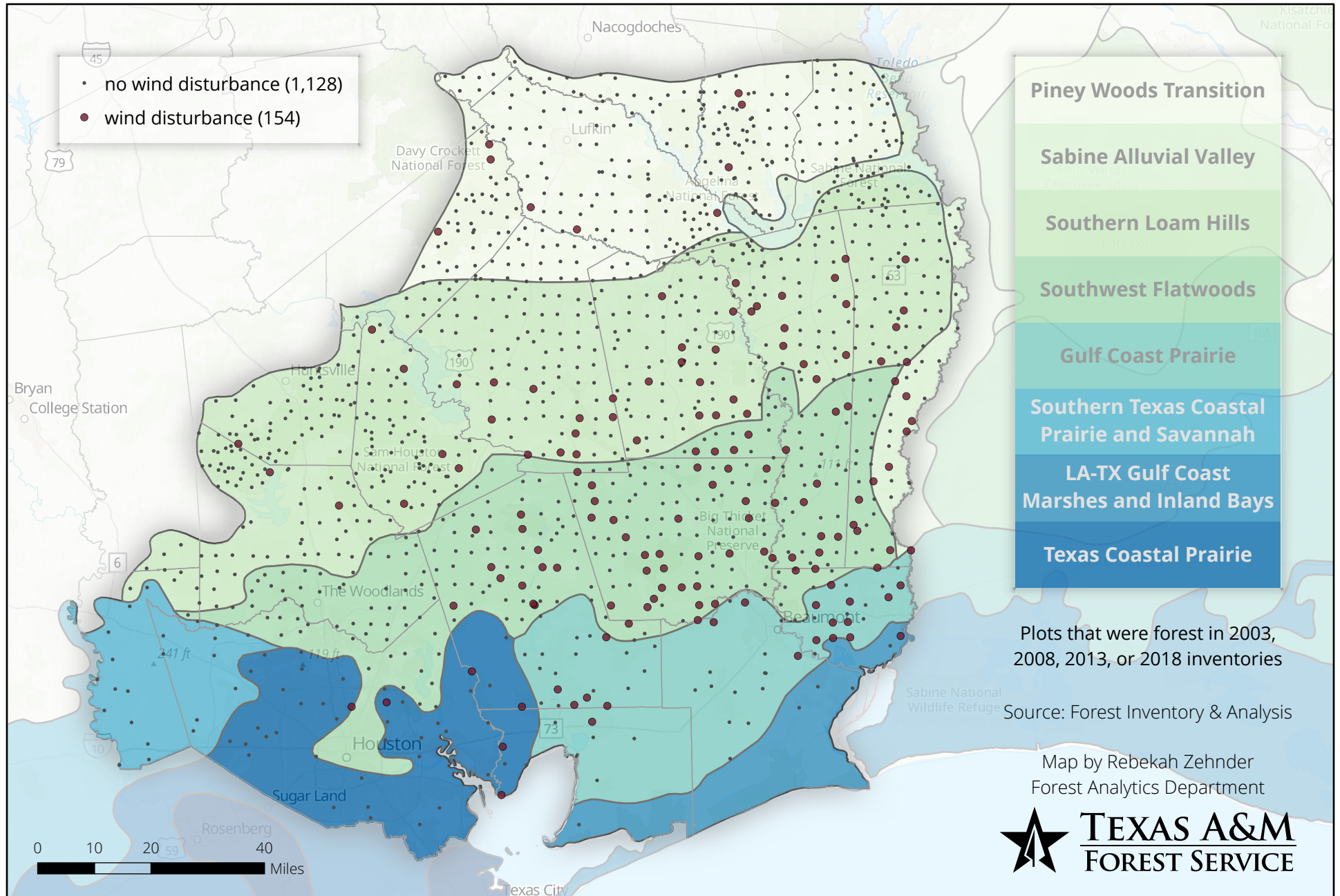
# Coastal Forest Disturbance: Vegetation

Forest plots that experienced vegetation disturbance between 1998 and 2018



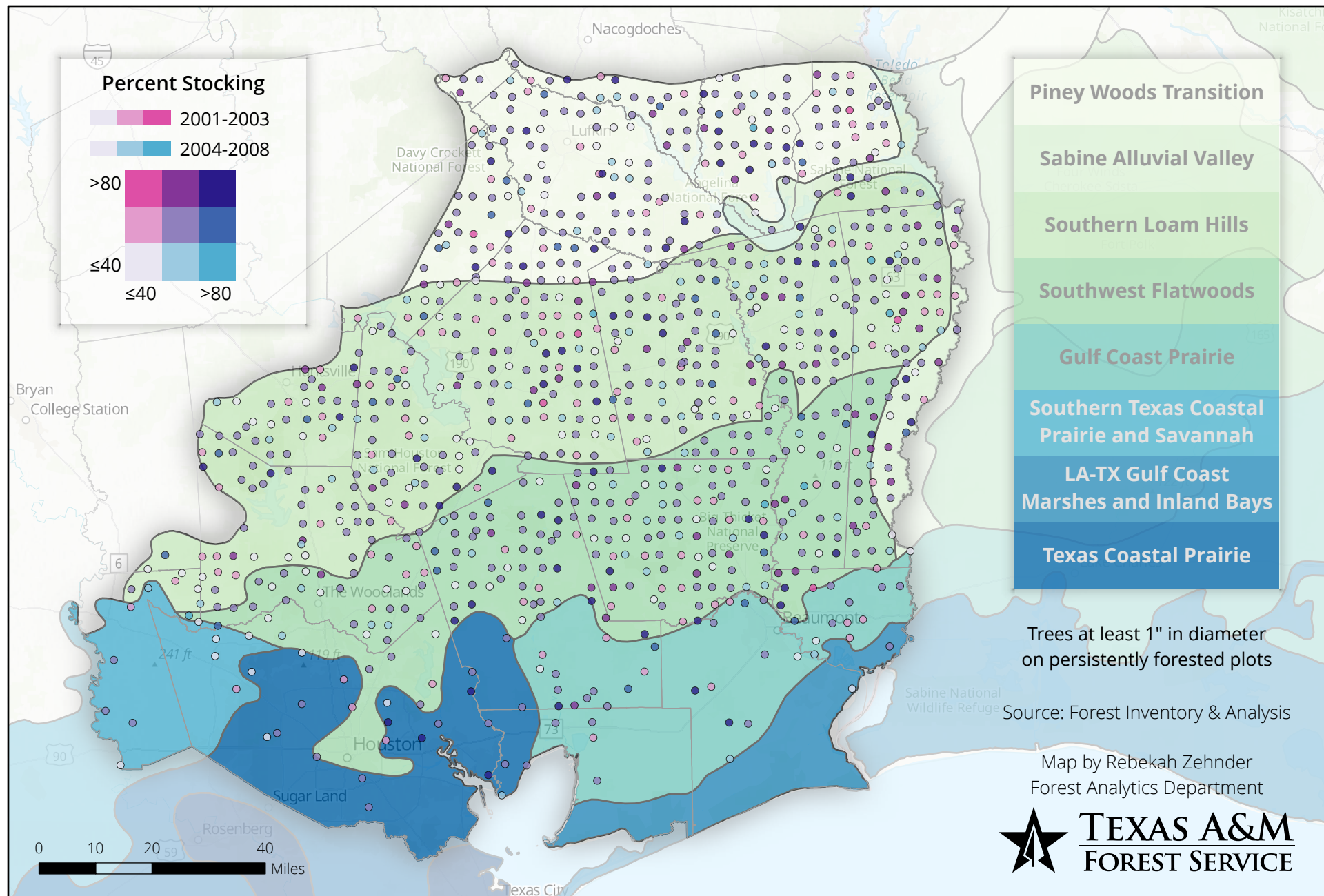
# Coastal Forest Disturbance: Wind

Forest plots that experienced wind disturbance between 1998 and 2018



# Coastal Forest Stocking

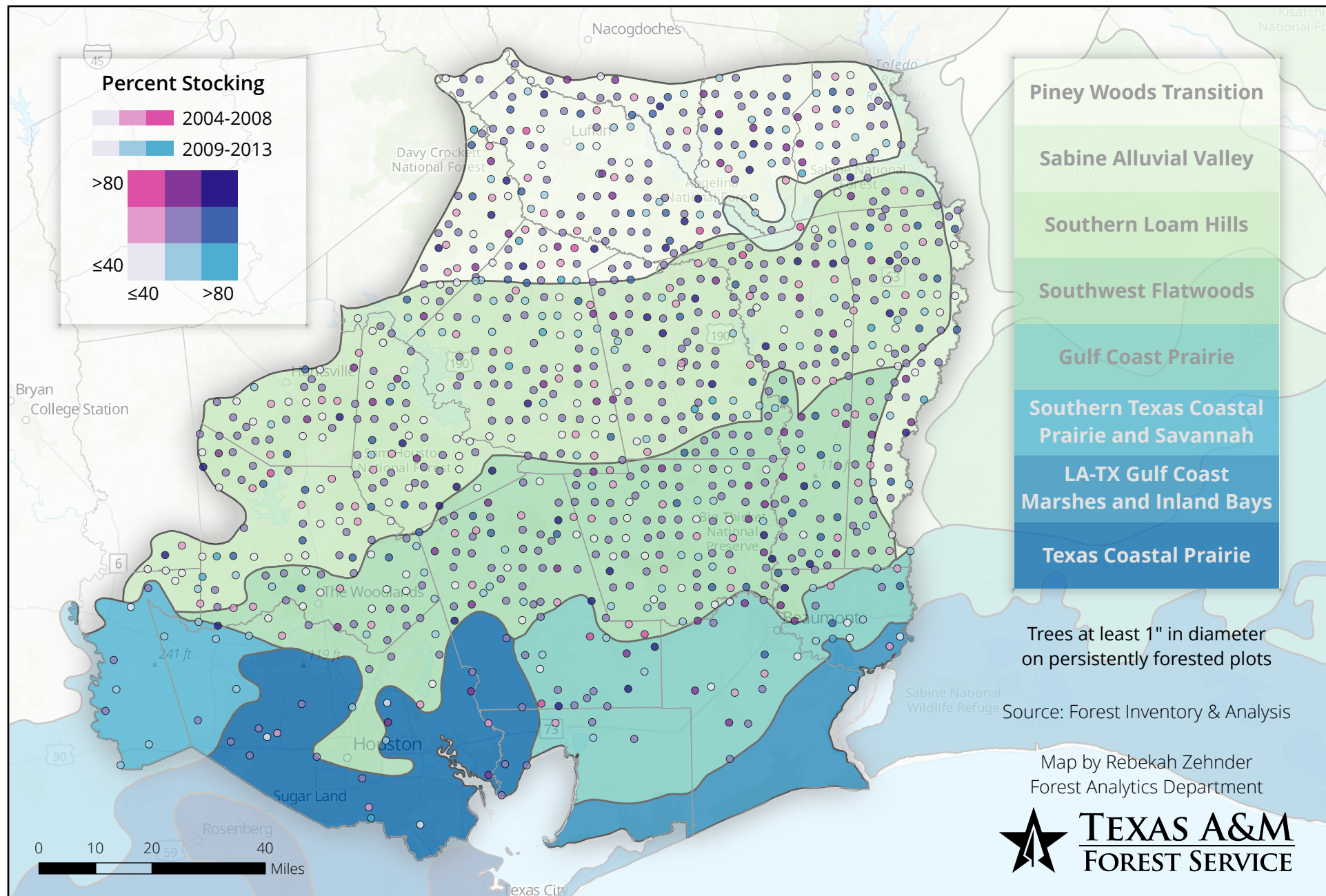
All live stocking in 2001-2003 and 2004-2008





# Coastal Forest Stocking

All live stocking in 2004-2008 and 2009-2013



# Coastal Forest Stocking

All live stocking in 2009-2013 and 2014-2018

