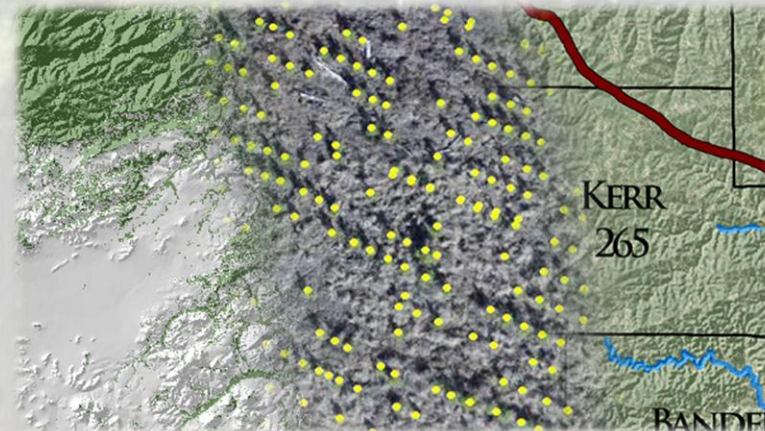




Technology in Working Forests

Rebekah Zehnder and Shruthi Srinivasan

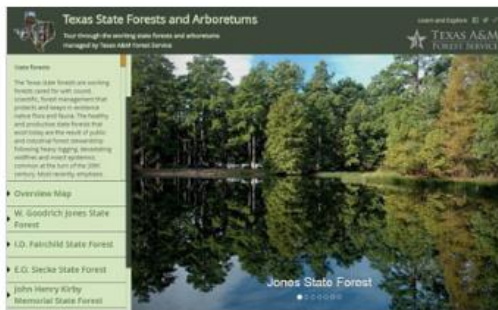




Big Tree Registry

The Big Tree Registry is a list of the largest known specimens of each Texas tree species. This application displays tree measurements and photos as well as public tree locations.

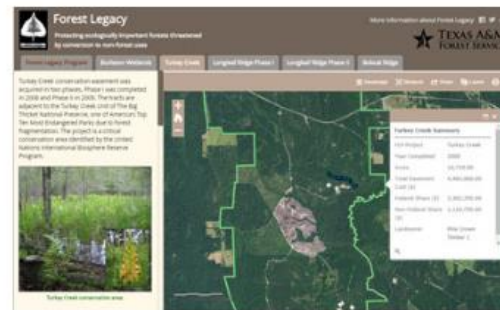
Special Trees



Texas State Forests and Arboretums

Tour through the state forests and arboretums managed by Texas A&M Forest Service that serve as educational resources for Texans and visitors. View interactive maps and compelling multimedia.

Special Forests



Forest Legacy

Texas is under threat of losing much of its working forests to non-forest uses. Learn more about the ecologically important forests protected by the Forest Legacy Program.

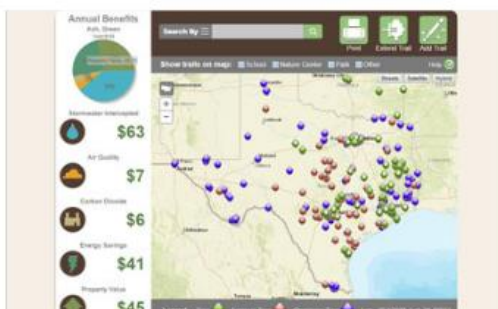
Special Trees



Famous Trees of Texas

If Texas' trees could speak, what stories they would tell—stories of love, honor, mystery, justice and injustice. Learn more about Texas history and the connection of people and trees through time.

Special Trees



Tree Trails

Tree Trails is a conservation education project to enhance outdoor classrooms at schools, nature centers and public parks. The project creates an education trail focused on trees.

Community Forestry, Special Trees

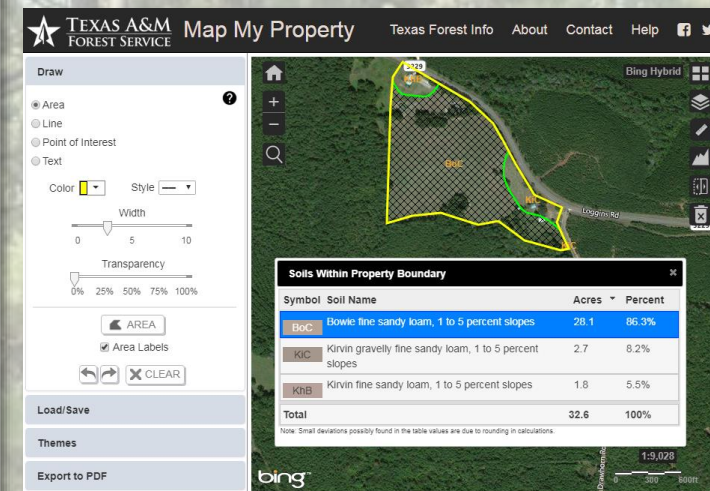


Wildfire and Restoration in Bastrop

Bastrop is no stranger to the devastation that wildfire can bring to a community. Tour through the story of Bastrop wildfire, restoration and more with interactive maps and compelling multimedia.

Special Forests

Featured Apps



My Land Management Connector

SIGN IN / SIGN UP

FIND SERVICE PROVIDER

FIND TFS FORESTER

LAND MANAGEMENT INFO

TREE CARE INFO

CONTACT



texasforestinfo.com

Map My Property

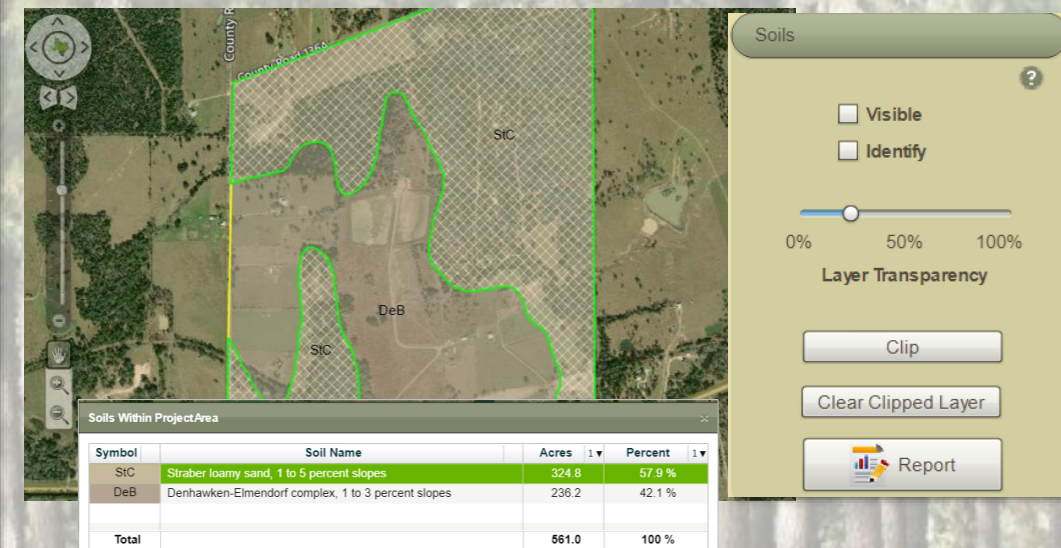
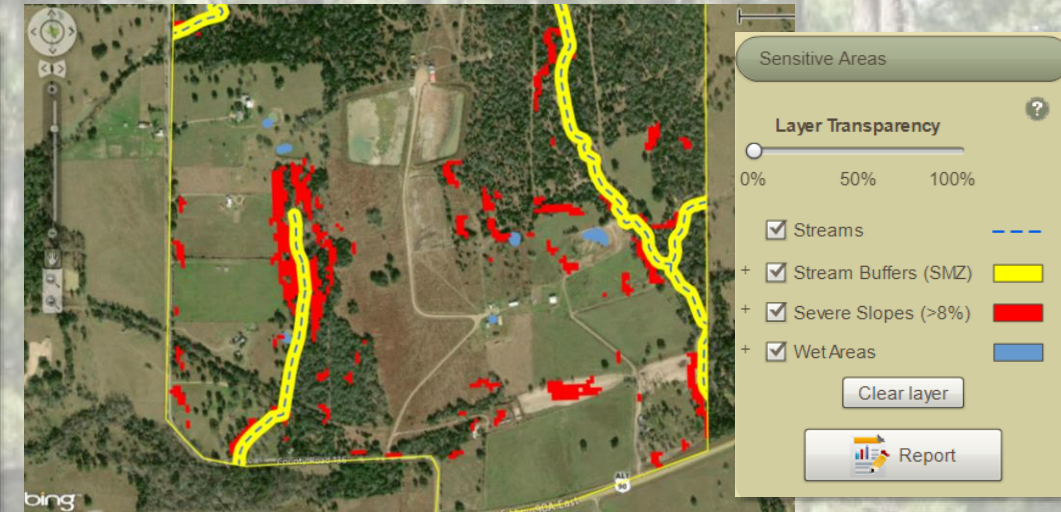
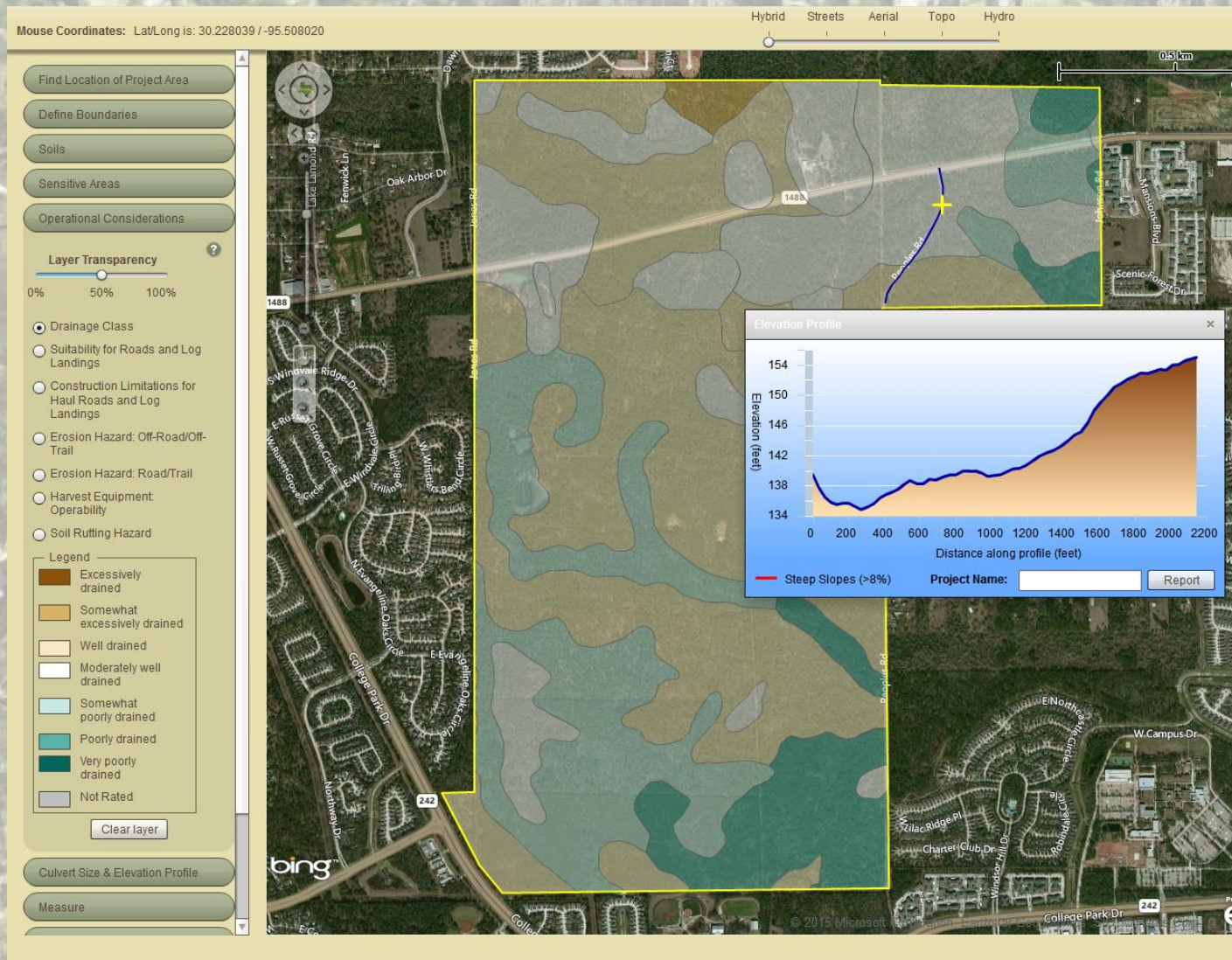
The screenshot displays the Map My Property web application interface. The central map shows a property boundary outlined in orange, with various soil types color-coded and labeled with numbers. A small green hatched area is also visible within the property boundary. The interface includes several toolbars and panels:

- Search:** A search bar at the top left.
- Draw:** A panel on the left with options for Area, Circle, Line, Point of Interest, and Text. It also includes a Color selector, a Style selector, and a Width/Transparency slider.
- Basemaps:** A panel on the right showing various map styles: Bing Hybrid, Aerial, Streets, Topographic, USA Topo, and USGS. A "TX Google 6-inch" map is also available.
- Swipe Layers:** A panel on the right showing "Left Layer" (TX NAIP 2016) and "Right Layer" (TX TOP 1996) with navigation controls.
- Layers:** A panel on the right showing checkboxes for Contours, Hydrology, Watersheds, and Parcels.
- Elevation:** A panel on the right showing "LINE" and "FREEHAND" options, and a "Unit measure" dropdown set to "Miles".
- Soils Within Property Boundary:** A table at the bottom center listing soil types, their area in acres, and their percentage of the total property area.

Soils Within Property Boundary			
35	Lilbert loamy fine sand, 1 to 8 percent slopes	55.7	9.2%
16	Cuthbert fine sandy loam, 8 to 20 percent slopes	22.1	3.7%
13	Bowie fine sandy loam, 1 to 8 percent slopes	17.4	2.9%
56	Sacul fine sandy loam, 5 to 20 percent slopes	6.3	1.0%
Mi	Mattex-lulus complex, 0 to 1 percent slopes, frequently flooded	4.7	0.8%
54	Ruston fine sandy loam, 1 to 8 percent slopes	3.5	0.6%

Map My Property provides landowners and other interested users a quick and simple tool for making a map of their property that can be shared with others. The app is now responsive and soil coverage is nationwide.

Plan My Land Operation



This app allows users to map their project area, identify sensitive areas, determine operational characteristics of mapped soil types and calculate the watershed area.

My Land Management Connector

SIGN IN / SIGN UP


FIND SERVICE PROVIDER

FIND TFS FORESTER

LAND MANAGEMENT INFO

TREE CARE INFO

CONTACT



← Check a Credential

ACF - MEMBER
ASSOCIATION OF CONSULTING FORESTERS

CERTIFIED ARBORIST
INTERNATIONAL SOCIETY OF ARBORICULTURE

CERTIFIED ENVIRONMENTAL PROFESSIONAL
ACADEMY OF BOARD CERTIFIED
ENVIRONMENTAL PROFESSIONALS

CERTIFIED ENVIRONMENTAL SCIENTIST
NATIONAL REGISTRY OF ENVIRONMENTAL
PROFESSIONALS

CERTIFIED FORESTER
SOCIETY OF AMERICAN FORESTERS

CERTIFIED NATURAL RESOURCES
PROFESSIONAL
NATIONAL REGISTRY OF ENVIRONMENTAL
PROFESSIONALS

LANDSCAPE IRRIGATORS LICENSE
TEXAS COMMISSION ENVIRONMENTAL
QUALITY

LICENSED PESTICIDE APPLICATOR
TEXAS DEPARTMENT OF AGRICULTURE

LICENSED REAL ESTATE BROKER/APPRaiser

PRIVATE CERTIFIED & INSURED BURN
MANAGER
TEXAS DEPARTMENT OF AGRICULTURE

PROFESSIONAL WETLAND SCIENTIST
SOCIETY OF WETLAND SCIENTISTS

REGISTERED CONSULTING ARBORIST
AMERICAN SOCIETY OF CONSULTING
ARBORISTS

REGISTERED PROFESSIONAL LAND SURVEYOR
THE STATE OF TEXAS

TEXAS ACCREDITED FORESTER
TEXAS FORESTRY ASSOCIATION

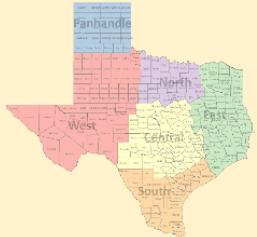
TEXAS OAK WILT QUALIFIED
TEXAS ISA

Provider Type (0 selected)

☐ Environmental Scientist
☐ Professional Arborist
☐ Professional Forester
☐ Vendor
☐ Wildlife Biologist

Region (0 selected)

☐ East Texas
☐ South Texas
☐ Central Texas
☐ North Texas
☐ West Texas
☐ Panhandle



Services Provided (0 selected)

Service(s) Needed (check all that apply):

☐ Boundaries, Fences & Gates
☐ Brush Management
☐ Consulting
☐ Delineation
☐ Disease/Insect Management
☐ Educational Signs
☐ Electro-fishing Survey
☐ Estate/Tax Planning
☐ Fertilization
☐ Grazing Management
☐ Herbicide
☐ Hydro-seeding
☐ Invasive Species Management
☐ Irrigation
☐ Land Appraisal
☐ Land Brokerage

Timber Harvesting

Azimuth Forestry Services, Inc
Suzanne Birmingham Walker
14671 State Hwy 87 South
Shelbyville, Texas 75973

Provider Type: Professional Arborist,
Professional Forester

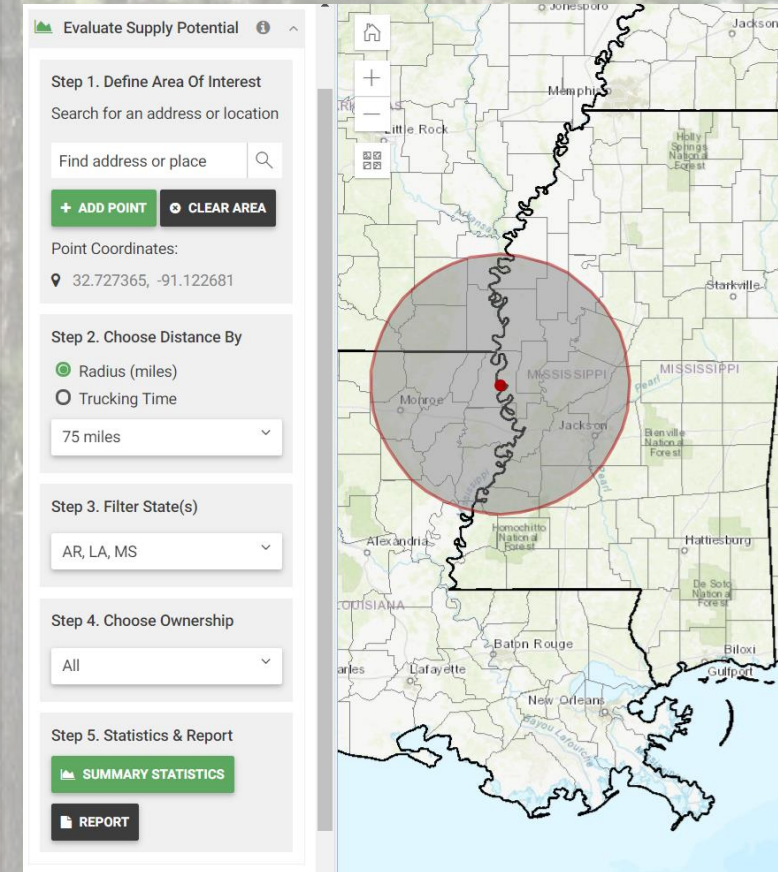
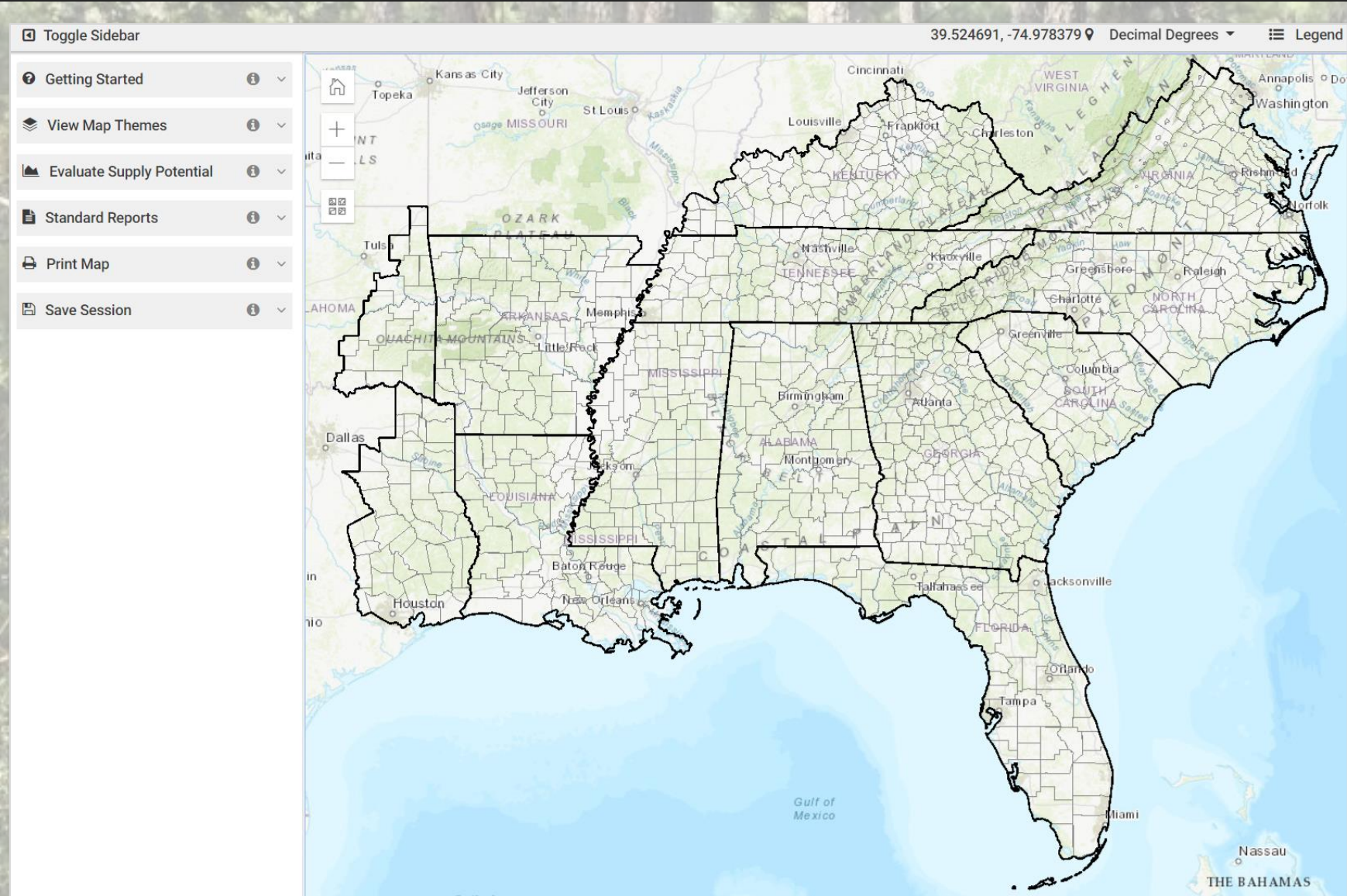
Credentials Holder: Suzanne Birmingham
Walker

Credentials: American Society of Consulting
Arborists, Association of Consulting Foresters,
ISA Certified Arborist

Contact information:
936-275-2265
swalkerafs@hughes.net

This app helps landowners find land management service providers, assists service providers in aggregating land management services, and works for any size property.

Timber Supply Analysis



Coming soon...

The Timber Supply Analysis application provides estimates of timberland area and timber volume, growth, and removals within a user-defined area.

Show by Topic

- Best Management Practices (BMPs)
- Biomass
- Disasters & Timber Damage
- Ecosystem Services
- Fire
- Fire Department Assistance
- Forest Economics
- Forest Health
- Forest Inventory and Analysis (FIA)
- Forest Management**
- Forest Ownership
- Mitigation and Prevention
- Recreation
- Reforestation
- Resource Analysis
- Stewardship
- Taxes
- Timber Harvesting
- Timber Prices
- Tree Improvement
- Trees
- Urban and Community Forestry
- Water
- Wildland Urban Interface
- Wildlife
- Windbreaks
- Wood

Refine by Year

- 2018 (2)
- 2017 (7)
- 2016 (3)
- 2015 (2)
- 2014 (3)
- 2013 (4)
- 2012 (3)
- 2011 (2)
- unspecified (69)

Refine by Department

- Central Texas / West Texas Operations (1)
- East Texas Operations (5)
- Forest Analytics (16)
- Forest Systems (71)
- Mitigation and Prevention (2)

Refine by Type

- Publication (93)
- Tool (2)

eLIBRARY

Best Management Practices (BMPs) Search...

Show by Topic

- Best Management Practices (BMPs)
- Biomass
- Disasters & Timber Damage
- Ecosystem Services
- Education
- Fire
- Fire Department Assistance
- Forest Economics
- Forest Health
- Forest Inventory and Analysis (FIA)
- Forest Management
- Forest Ownership
- Mitigation and Prevention
- Recreation
- Reforestation
- Resource Analysis
- Stewardship
- Taxes
- Timber Harvesting
- Timber Prices
- Tree Improvement
- Trees
- Urban and Community Forestry
- Water
- Wildland Urban Interface
- Wildlife
- Wood

Refine by Year

- 2018 (1)
- 2017 (3)
- 2015 (2)
- 2012 (1)
- 2011 (3)
- 2008 (2)
- 2007 (1)
- 2005 (1)
- 2001 (1)
- unspecified (37)


Refine by Department

- Forest Systems (52)


Refine by Type

- Publication (50)
- Tool (2)

Featured (hide)



Emerald Ash Borer




Economic Impact Report

Results

Displaying 1 - 10 of 52

<< < 1 2 3 4 5 > >>




Forestry BMP Pocket Guide

Non-technical summary version of the forestry BMP guidelines in Texas

Publication year: 2017

Keywords: bmps, water, streams, smz, roads, erosion, forest management

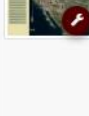


Texas Forestry Best Management Practices Handbook

Technical guidelines to protect soil and water resources during forest management operations

Publication year: 2017

Keywords: bmps, water, forest management, roads, erosion




Plan My Land Operation

Web application that enables users to map custom areas of interest, identify sensitive areas, plan management operations, and generate BMP reports based on the site conditions of the area mapped

Publication year: unspecified

Keywords: bmps, operations, soils, water, streams, planning




Texas Forestry BMPs

Native smartphone application for the Texas Forestry Best Management Practices handbook

Publication year: unspecified

Keywords: bmps, forest, soil, water, streams, forest management, roads, wetlands



Volume VI - Forest Landowner Briefings

General, forest management newsletter targeting out of state, absentee forest landowners

Publication year: 2018

Keywords: forest, landowner, technology, stewardship, water

The new eLIBRARY is a repository of TFS publications and resources.
You can browse information by topic or search to find specific information.

Trees Count

The image displays three screenshots of the 'Trees Count' mobile application interface, which is designed for tree inventory on iOS and Android devices.

Left Screenshot (Map View): Shows an aerial map with a red dot and two yellow dots indicating tree locations. The interface includes a top toolbar with icons for map manipulation and a bottom toolbar with 'Map View' and 'List View' options. The map is powered by Esri.

Middle Screenshot (Filter Trees): Displays the 'Filter Trees' dialog, allowing users to filter trees based on various attributes:

- Landuse:
- Species:
- Maintenance:
- Tasks:
- Conflicts:

Buttons for 'Apply Filter' and 'Clear Filter' are visible at the bottom of the filter dialog.

Right Screenshot (Tree Details): Shows the 'Tree' details form, which includes fields for:

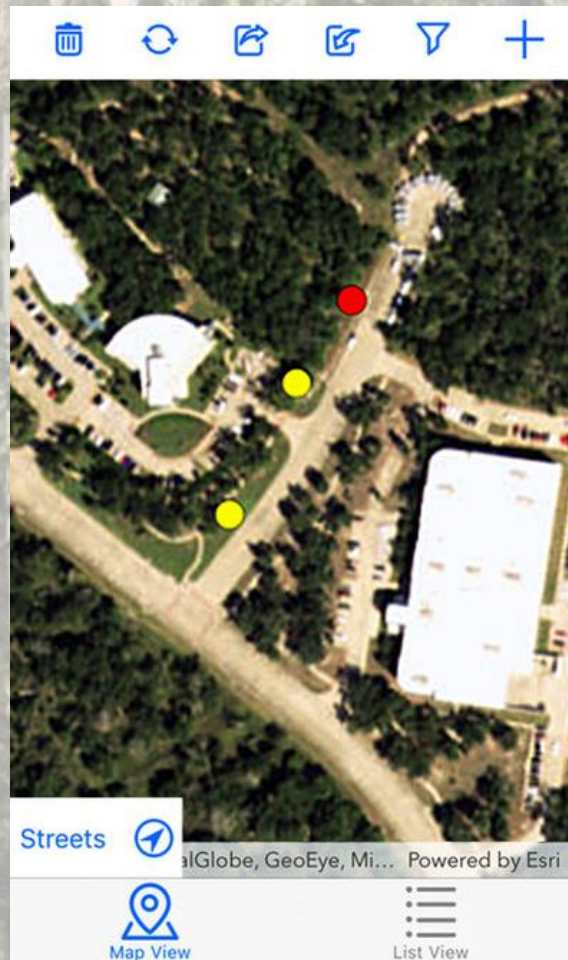
- Date: 09/07/2017 22:46:48
- Crew: TFS1
- Landuse: Industrial/Institution
- Site: Other Maintained Location
- Species: Southern red oak
- Tree DBH (inches): 18
- Condition: Good (85% live crown)
- Maintenance: Routine
- Task: Structural Prune/Train/Stake
- Sidewalk:

Below the form, a list of 5 trees is displayed, showing their species and diameters:

- Southern red oak (*Quercus falcata*) 18 inches
- Shagbark hickory (*Carya ovata*) 24 inches
- Winged elm (*Ulmus alata*) 21 inches
- Cashew (*Anacardium occidentale*) 6 inches
- Southern red oak (*Quercus falcata*) 18 inches

The bottom of the right screenshot shows the 'Map View' and 'List View' options.

Trees Count is a mobile app for iOS and Android devices that allows users to inventory trees in communities. Trees are mapped and characterized with informative attributes. Inventories can be transferred across devices.



Filter Trees

Cancel

Landuse

Species

Species

Maintenance

Immediate

Tasks

Conflicts

Apply Filter

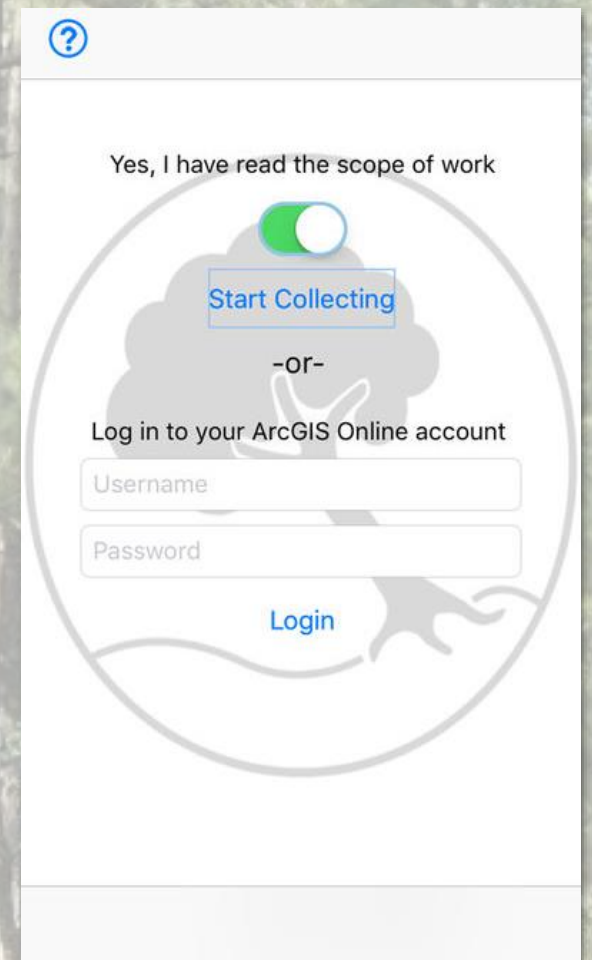
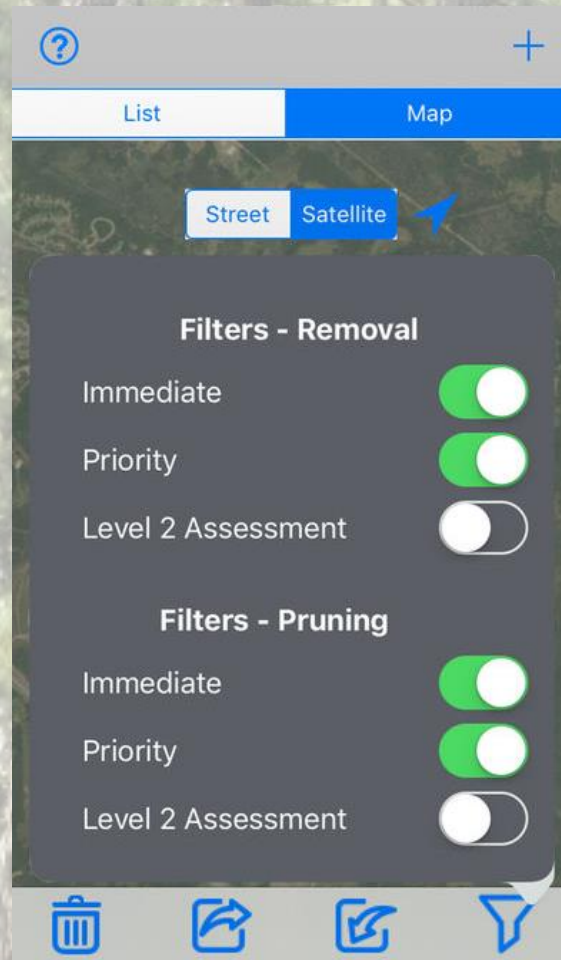
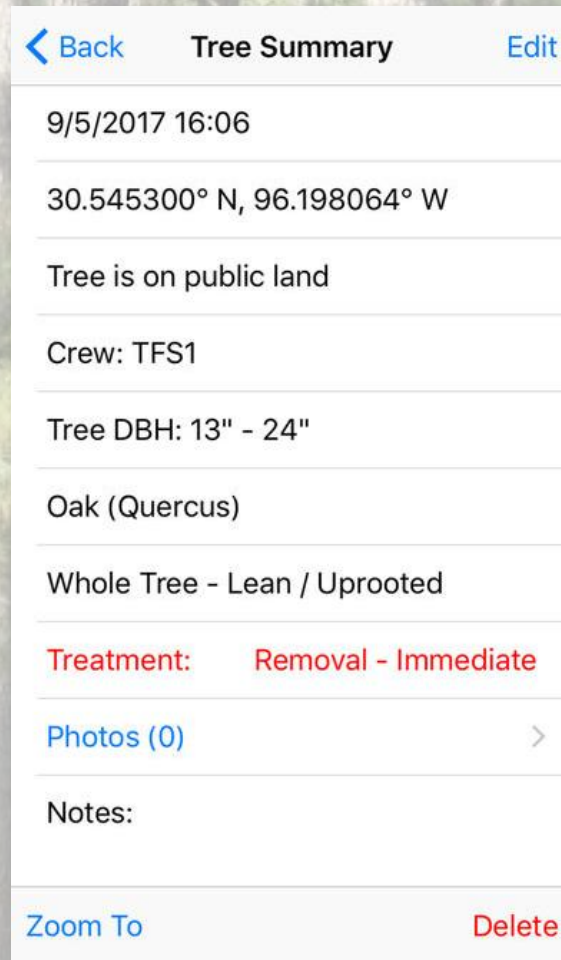
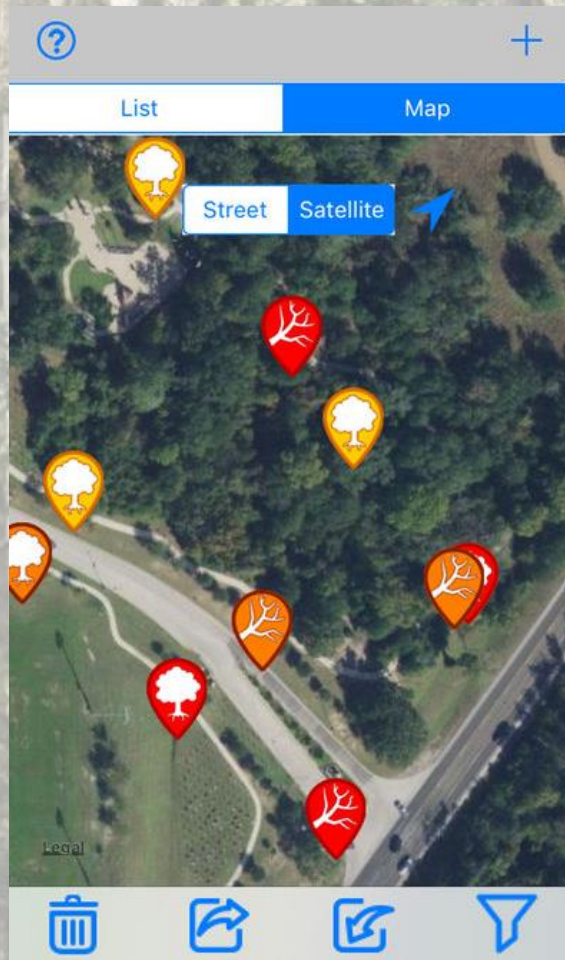
Clear Filter

Tree	Save Cancel
09/07/2017 22:46:48	
30.5528 N, 96.2445 W	
Crew	
TFS1	
Landuse	
Industrial/Institution	
Site	
Other Maintained Location	
Species	
Southern red oak	
Tree DBH (inches)	
18	
Condition	
Good (85% live crown)	
Maintenance	
Routine	
Task	
Structural Prune/Train/Stake	
Sidewalk	

[illegible]

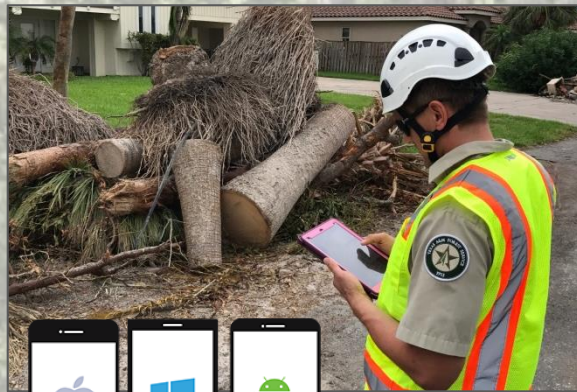
Trees Count is a mobile app for iOS and Android devices that allows users to inventory trees in communities. Trees are mapped and characterized with informative attributes. Inventories can be transferred across devices.

Tree Risk



The Level 1 Tree Risk Assessment app helps perform a limited visual tree assessment. It maps those trees with obvious defects that have a Probable or Imminent likelihood of failure and identifies treatment.

Collector and Survey123 for ArcGIS



Cancel Submit

Location
Lat: 29.62685198° Long: -95.62862575°

Public Tree
Yes

Species
Baldcypress

DBH
7

Tree Part
Co-dominant (Stem)

FEMA Guide
Limb Removal (≥2" at Break)
Failure (LOF)
Possible
Impact (LOI)
Low
Consequence (COF)
Negligible

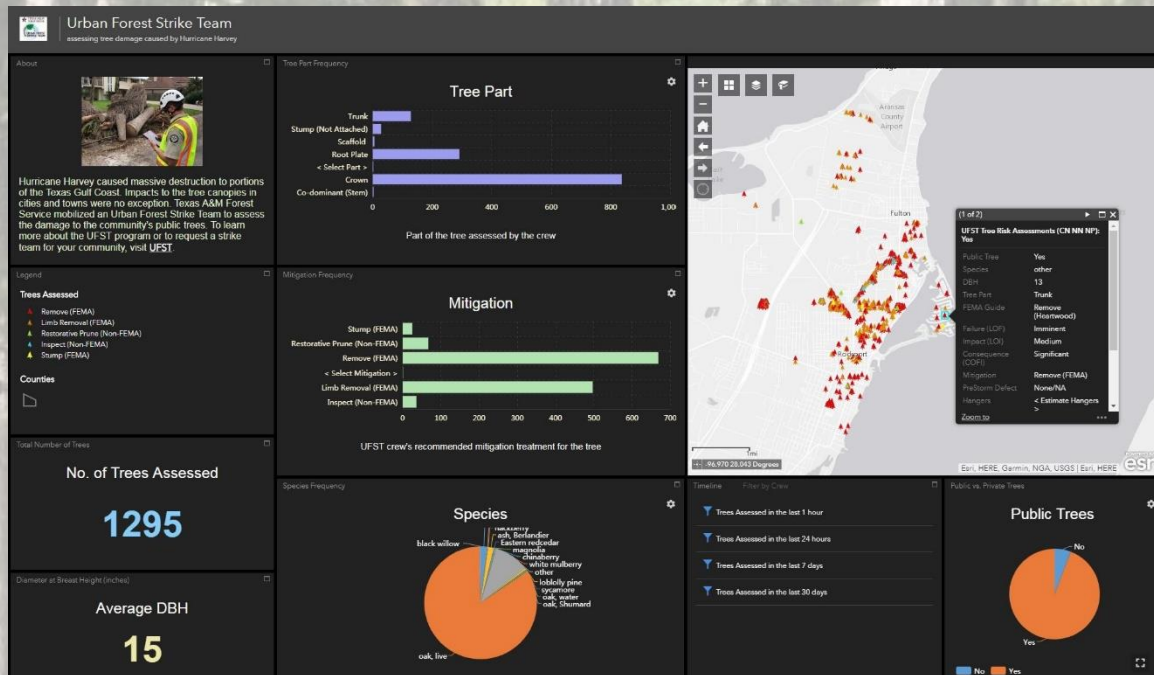
Mitigation
Prune (Non-FEMA)
PreStorm Defect
Limb (Scaffold)
Hangers
6 - 9
Field Notes

My Survey

Plot Number *
Same as on plot layout map
5

Species *
Loblolly pine

Product Type *
☐ Pulpwood
☐ Sawtimber
☐ Chip-N-Saw



My Survey

Plot Number *
Same as on plot layout map
5

Species *
Loblolly pine

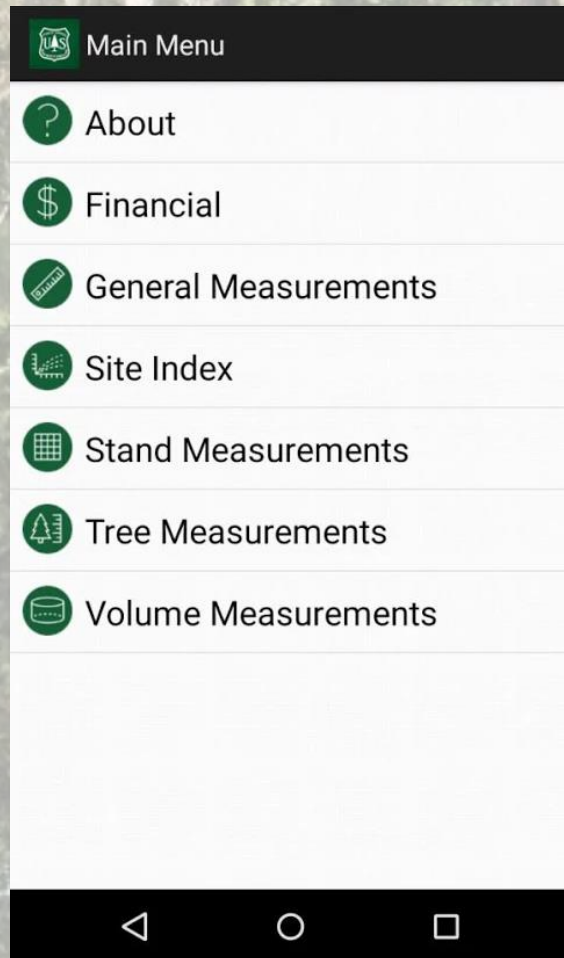
Product Type *
Sawtimber

DBH *
Greater than 11.5 inches

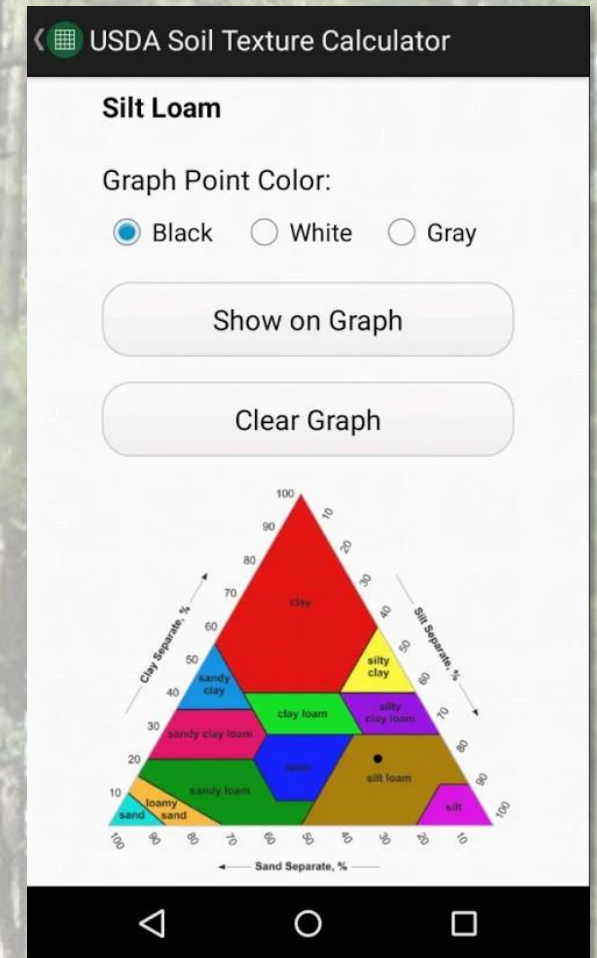
Merchantable Height *
Minimum log length 16 feet

Collector for ArcGIS allows for accurate connected and disconnected data collection in the field. Survey123 for ArcGIS is a simple and intuitive form-centric data gathering solution that makes creating, sharing, and analyzing surveys.

Service Forester's Toolkit



The Monthly or Annual Payment screen has a dark header with a green icon and the text "Monthly or Annual Payment". Below the header, it contains several input fields and radio buttons: "Payments to" (Loan selected, Savings), "Type of Payments" (Monthly selected, Annually), "Dollar Amount" (10000), "Number of Years" (5), "Annual Interest Rate" (5, with a note "enter whole number, ex. 5 = 5%"), and "Monthly Payment" (\$188.71). The bottom of the screen has a black navigation bar with three white icons: a back arrow, a circle, and a square.



This app is based on the United States Forest Service's (USFS) Service Forester's Handbook. This convenient pocket guide is a quick-reference for basic forest and land measurements, tree measurements, volume tables, site index charts and more.

Unmanned Aerial Systems (UAS)

Forest and Woodland Management



Urban Tree Canopy Assessment



Forest Health Survey

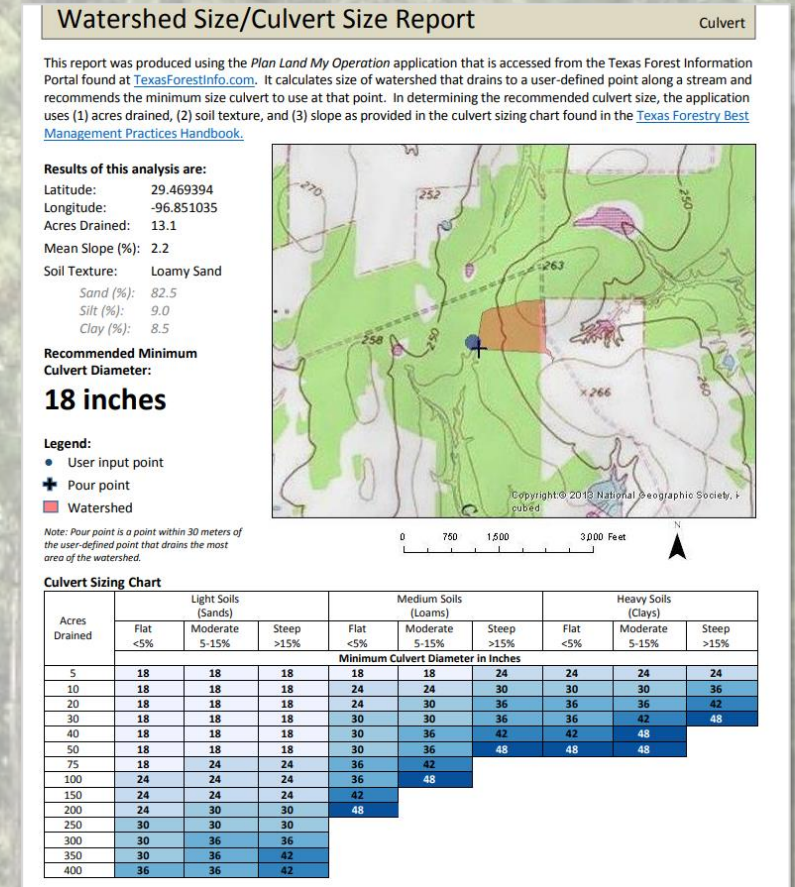
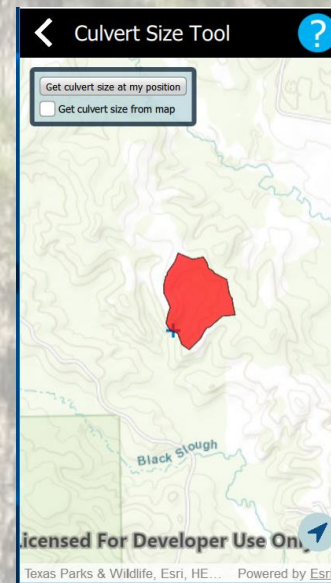
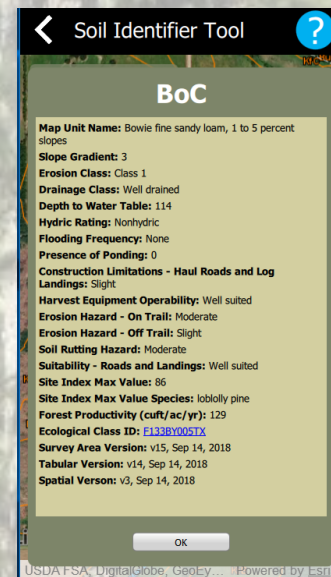
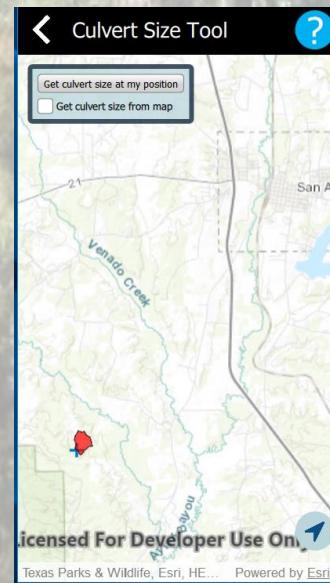
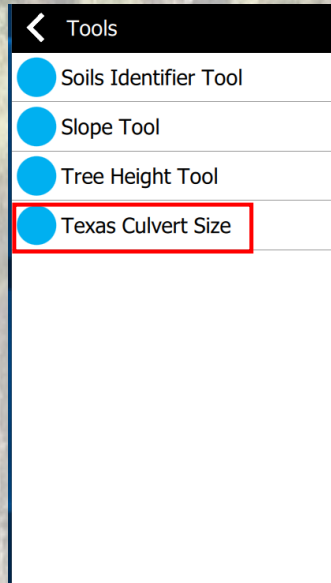
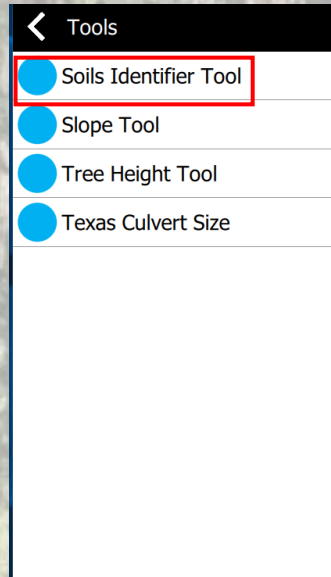


Post-Disaster Damage Assessment



UAS technology could provide quicker identification of forest health issues, better information for management decisions, higher level engagement with property owners, and greater protection of forest ecosystems, property and lives.

Texas Forestry BMP Enhancement



Coming soon...

The Texas Forestry BMPs app is based on the Texas Forestry Best Management Practices Handbook (May 2014), the state manual for protecting water quality during forest operations.

Herbicide Decision Support System

Hide Filters

Clear Filter

Sort by Performance

Primary Crop

Goal / Objective

Stand Establishment

☐ Plant trees

☐ Natural regeneration

Manage Weeds in Existing Stand

☐ Herbaceous weed ctrl

☐ Early-rotation hwd release

☐ Mid-rotation hwd release

☐ Late-rotation hwd release

☐ Control individual plants

☐ Control invasive species

Wildlife Habitat & Aesthetics

☐ Maintain grasses

☐ Maintain herbaceous

Site Type

Establishment Protocol

Primary Weed

Difficult to Control

Application Type

Application Timing

Soil

clopyralid (0.380 lbs ae/ac)

Single Product

Performance: ★★★★★☆

General Use

Cost:

imazapyr (0.750 lbs ae/ac) and triclopyr (1.200 lbs ae/ac) and saflufenacil (0.040 lbs ae/ac)

Tank Mix

Performance: ★★★★★☆

General Use

Cost:

imazapyr (0.750 lbs ae/ac) and glyphosate (5.000 lbs ae/ac)

Tank Mix

Performance: ★★★★★☆

General Use

Cost: \$\$

imazapyr (0.750 lbs ae/ac) and glyphosate (5.000 lbs ae/ac) and sulfometuron methyl (0.080 lbs ae/ac)

Tank Mix

General Use

glyphosate (4.000 lbs ae/ac)

Single Product

Performance: ★★★★★☆

General Use

Cost:

triclopyr (6.300 lbs ae/ac)

Single Product

Performance: ★★★★★☆

General Use

Cost:

imazapyr (0.630 lbs ae/ac) and glyphosate (2.780 lbs ae/ac) and saflufenacil (0.040 lbs ae/ac)

Tank Mix

Performance: ★★★★★☆

General Use

Cost: \$\$

imazapyr (0.370 lbs ae/ac) and metsulfuron methyl (0.060 lbs ae/ac)

Tank Mix

General Use

imazapyr (0.630 lbs ae/ac) and glyphosate (5.000 lbs ae/ac)

Tank Mix

Performance: ★★★★★☆

General Use

Cost:

imazapyr (0.750 lbs ae/ac) and glyphosate (5.000 lbs ae/ac)

Tank Mix

Performance: ★★★★★☆

General Use

Cost: \$\$

imazapyr (0.620 lbs ae/ac) and glyphosate (4.000 lbs ae/ac) and saflufenacil (0.040 lbs ae/ac)

Tank Mix

Performance: ★★★★★☆

General Use

Cost: \$\$

imazapyr (0.750 lbs ae/ac) and sulfometuron methyl (0.000 lbs ae/ac) and metsulfuron methyl (0.000 lbs ae/ac)

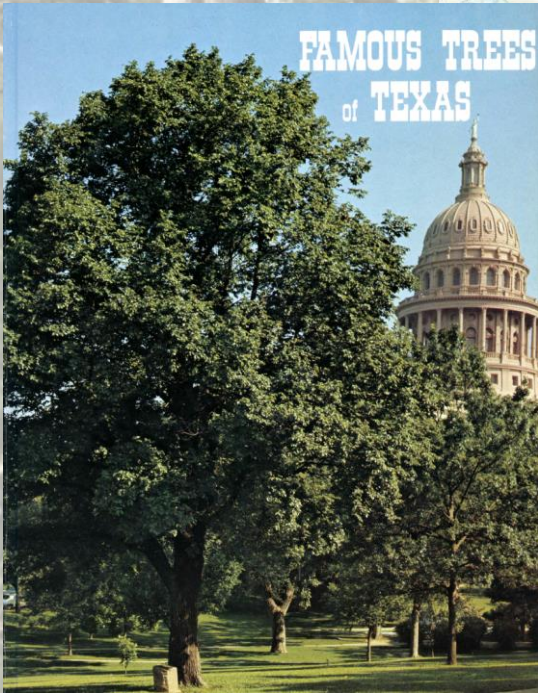
Tank Mix

General Use

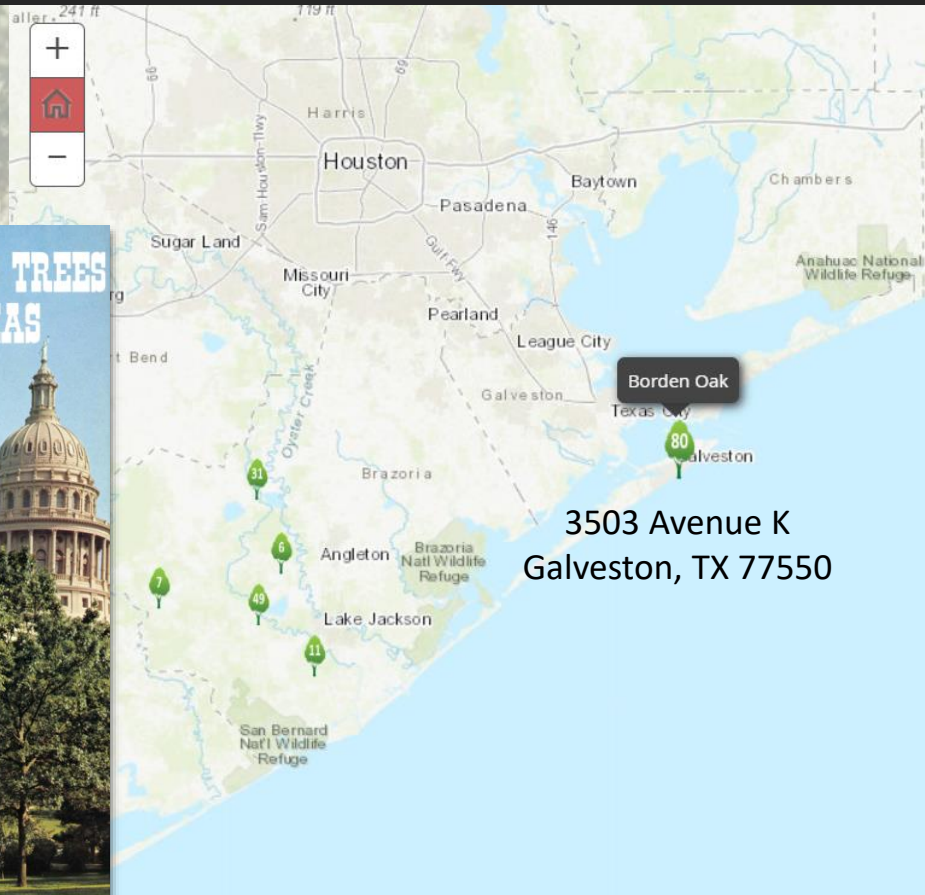
Coming soon...

This will provide a decision support system derived from expert experience and opinion on effective prescriptions for using herbicides in forestry.

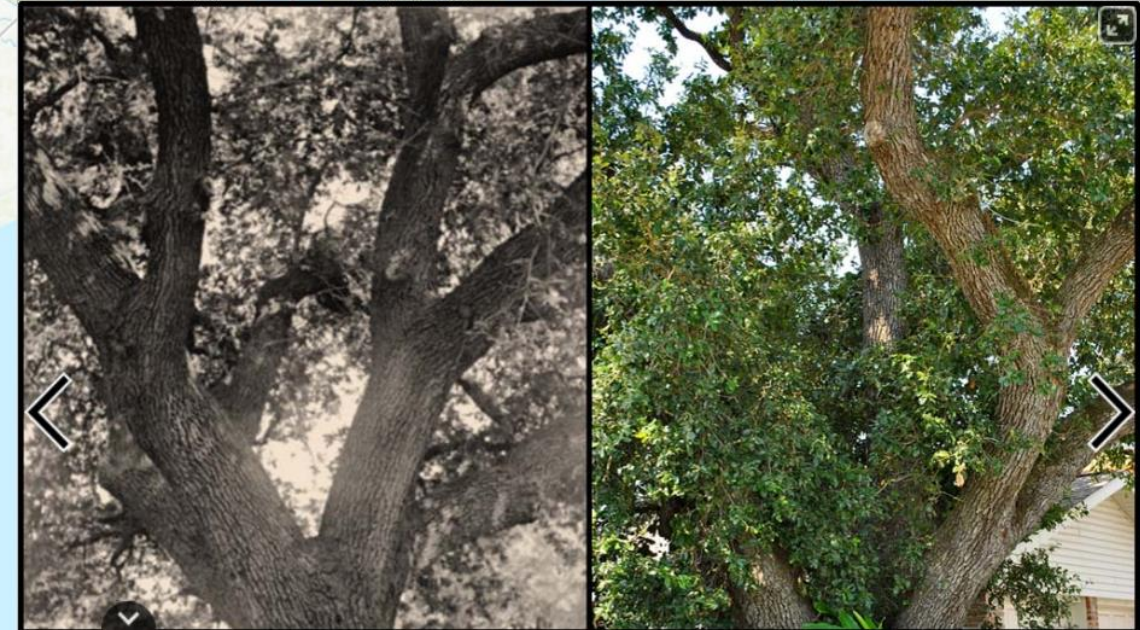
Famous Trees of Texas



FAMOUS TREES
of TEXAS



3503 Avenue K
Galveston, TX 77550



Borden Oak

The Borden Oak was one of the few trees that survived both the Great Galveston Storm of 1900 and the grade raising of the entire island that purposely followed the storm. This oak has an unusual feature: it has its own deed restriction-purchased by the Galveston Historical Foundation in 1972 to protect the tree from construction damage or destruction. [More Info](#)



If Texas' trees could speak, what stories they would tell—stories of love, honor, mystery, justice and injustice. Learn more about Texas history and the connection of people and trees through time.



Thank you!
texasforestinfo.com

