TPWD's TEAM Tool: Crowdsourcing Citizen Science and Ecosystem Analysis

Laura Miksch
Texas Parks and Wildlife Department
Landscape Ecology Program
laura.miksch@tpwd.texas.gov

Today's Schedule

6:35 PM – 6:45 PM

Introduction to the Landscape Ecology Program

6:45 PM – 7:15 PM

TPWD TEAM exercise walk through

7:15 PM – 7:30 PM

Q&A

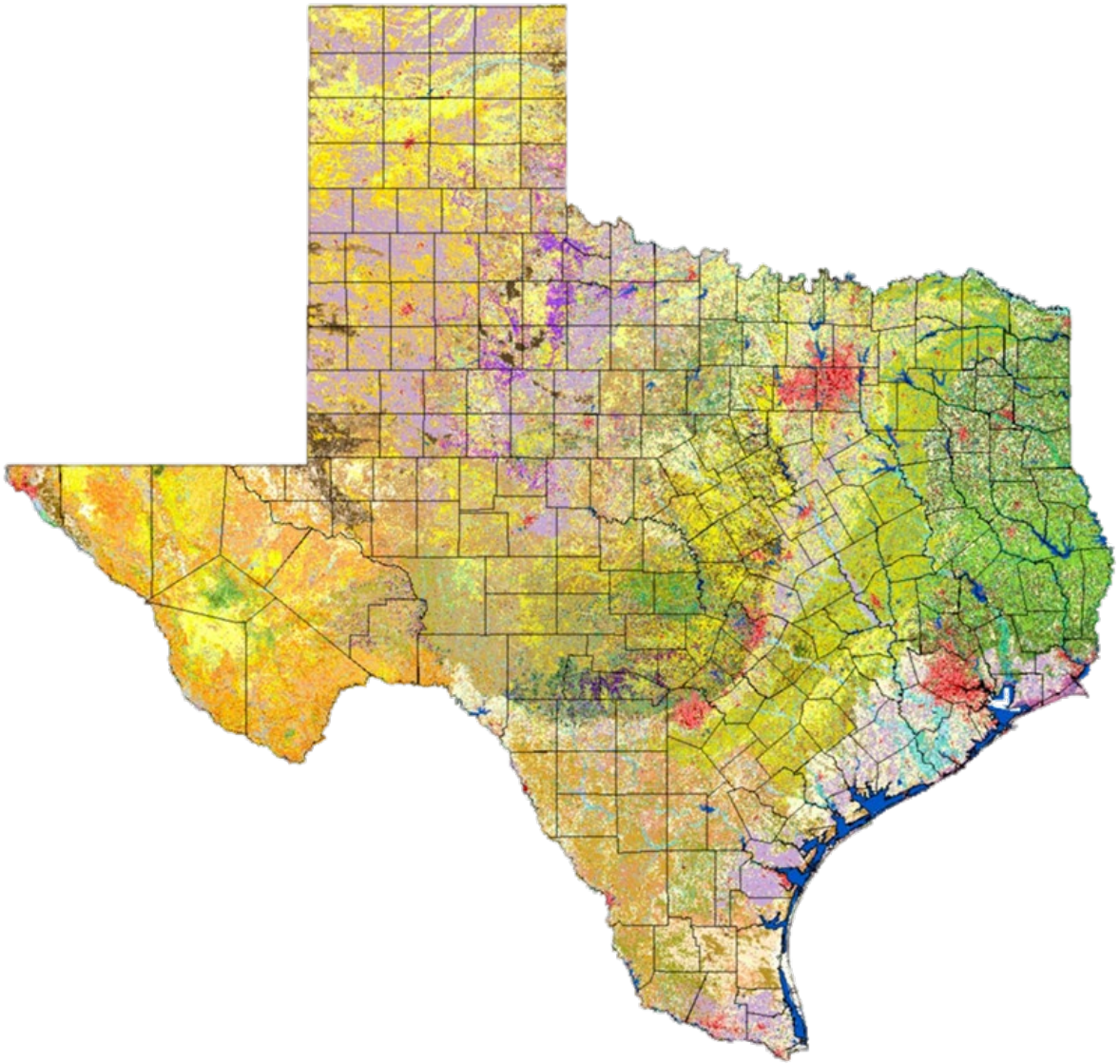
If you wish to follow along, please go to:
https://tpwd.texas.gov/gis/team/

Ecological Mapping Systems (EMS)

The EMS dataset comprises 398 vegetation types for the entire state of Texas in a geospatial format. This dataset was developed from aerial imagery, 14,000+ ground control points, and modeling various abiotic variables such as, slope, elevation, and soils.

Texas Ecosystem Analytical Mapper (TEAM)

The TEAM application is an interactive, user-friendly mapping tool that assists users in understanding the Texas landscape and integrates EMS data with land management and resource planning of all vegetation types.

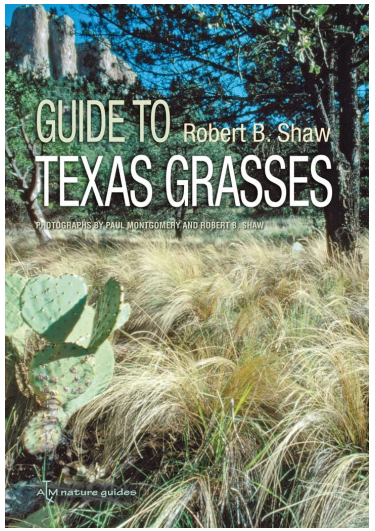


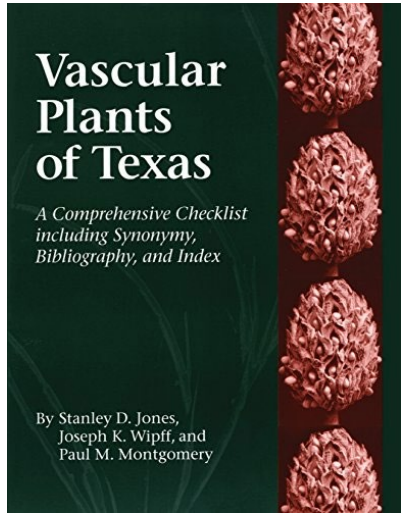
Texas Ecological Mapping Systems (EMS-TX)

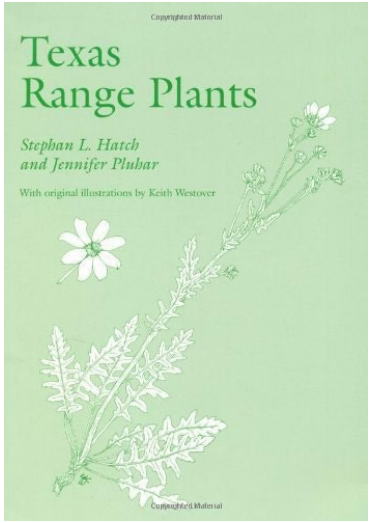
- Statewide vegetation data
- Thematic Resolution
  - 403 mapped habitat types
- Ground verified
  - >18,000 field data points
- Anthropogenic effects
  - 19 Invasive vegetation types mapped

Recommendations from our Botanists

- Plant ID guides:
  - **Guide to Texas Grasses.** Robert Blaine Shaw
  - **Vascular Plants of Texas.** Joseph K. Wipff, Paul M. Montgomery, Stanley D. Jones
  - **Texas Range Plants.** Stephan L. Hatch, Jennifer Pluhar
  - **Illustrated Flora of East Texas.** George M. Diggs, Jr., Barney L. Lipscomb, Monique D. Reed, and Robert J. O'Kennon
  - **Illustrated Flora of North Central Texas.** George M. Diggs, Jr., Barney L. Lipscomb, Robert J. O'Kennon







POLL 1

Have you heard about TEAM and have you used it?

TEAM Tool – Who, What, Why?

Who can use TEAM?

Anyone can use team!

- Online and free
- Designed with land managers, landowners, educators and wildlife professionals in mind

TEAM Tool – Who, What, Why?

What is TEAM?

TEAM-Texas Ecosystem Analytical Mapper

- Google Maps Based Application
- View landscape (EMS-TX) data in relation to other abiotic layers
  - Soils, hydrology, public lands, etc…
- Basic GIS Analysis Tools
  - Create custom vegetation reports
- Team Groundtruth: Citizen science feedback tool!

TEAM Tool – Who, What, Why?

Why would you use TEAM?

So many reasons!

- GIS software is expensive, inaccessible, complicated, glitchy.
  - TEAM is free and more simplified
- Supports habitat management decisions
- Landscape level planning
- Ecological understanding
- Community involvement
- Improve map accuracy

Tips for Working with Geographic Data

2. Learn and employ breathing techniques
3. Be prepared for the worst
1. Relax your shoulders as needed

Tips for Working with Geographic Data

Things break and fix themselves without rhyme or reason

If you are having problems: Turn it off and turn it on again

Close the browser, refresh the page, restart computer

Try a different browser

Walk away for a few minutes

Call over an expert and show them and the problem will magically fix itself

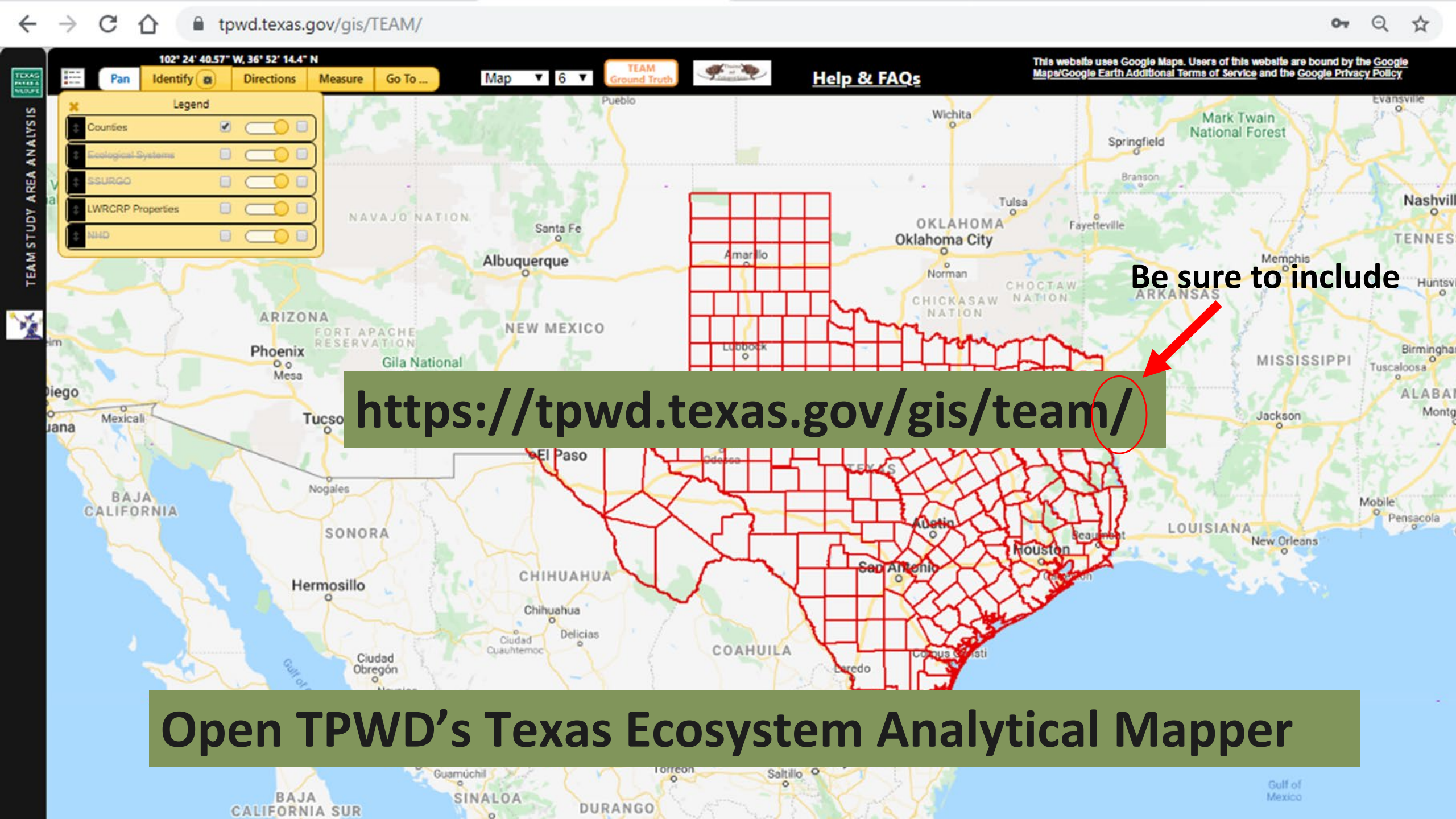
POLL 2

Where should we go for the TEAM quick DEMO?

Demonstration of TEAM

- If you want to follow along the link for the TEAM tool:
  - https://tpwd.texas.gov/gis/team/

Let’s break down the layout of TEAM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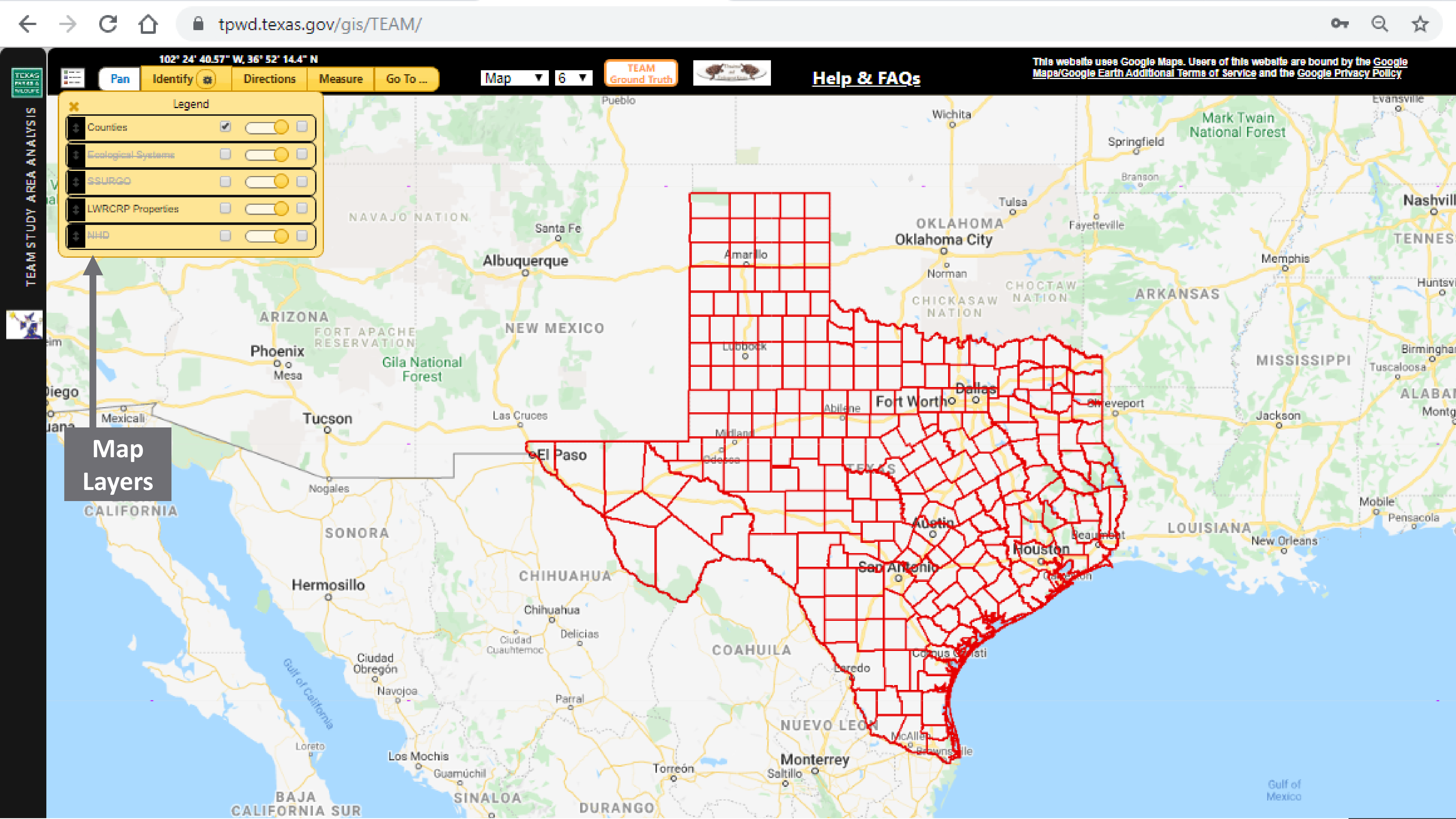
Open TPWD's Texas Ecosystem Analytical Mapper



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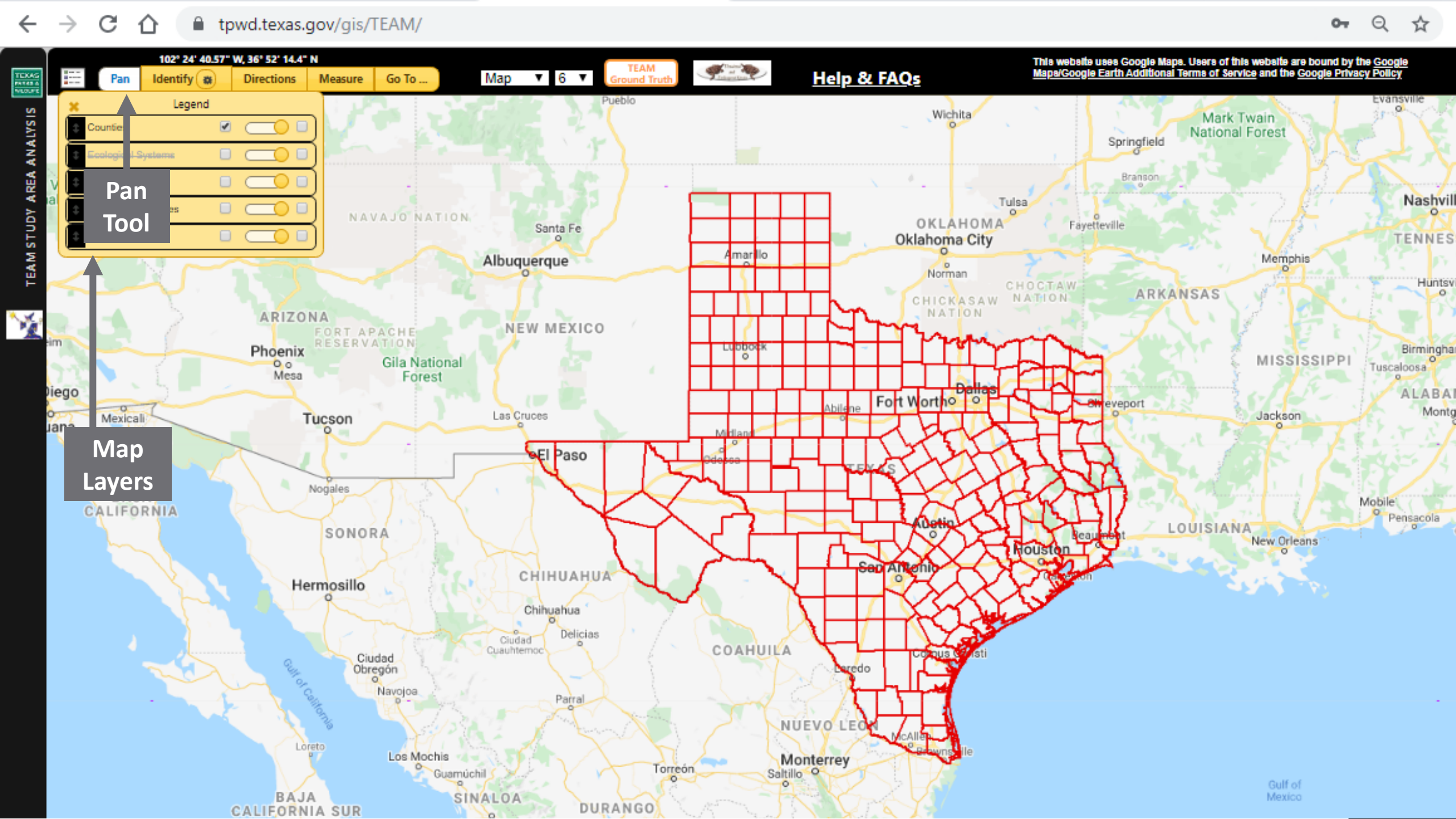
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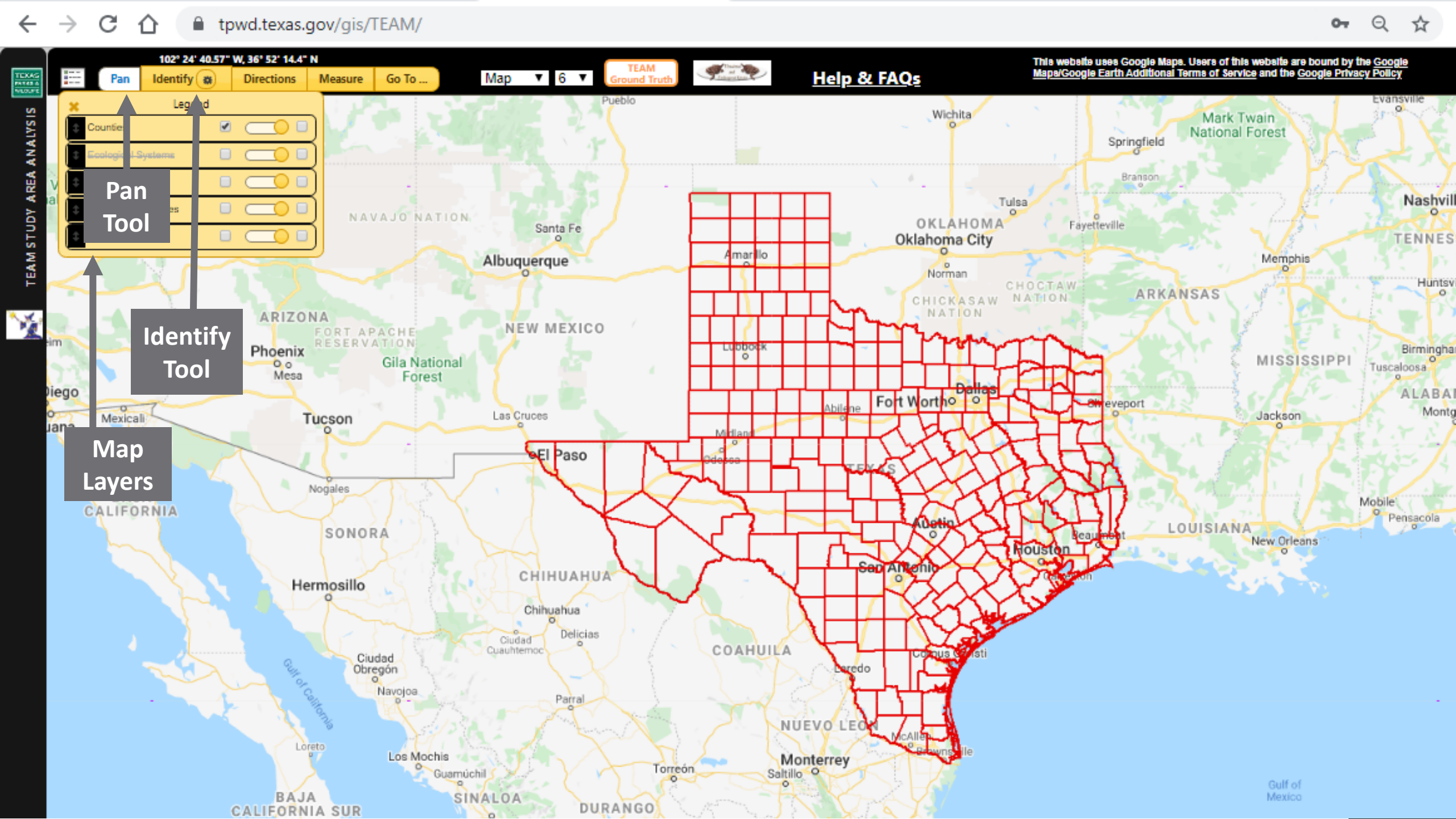
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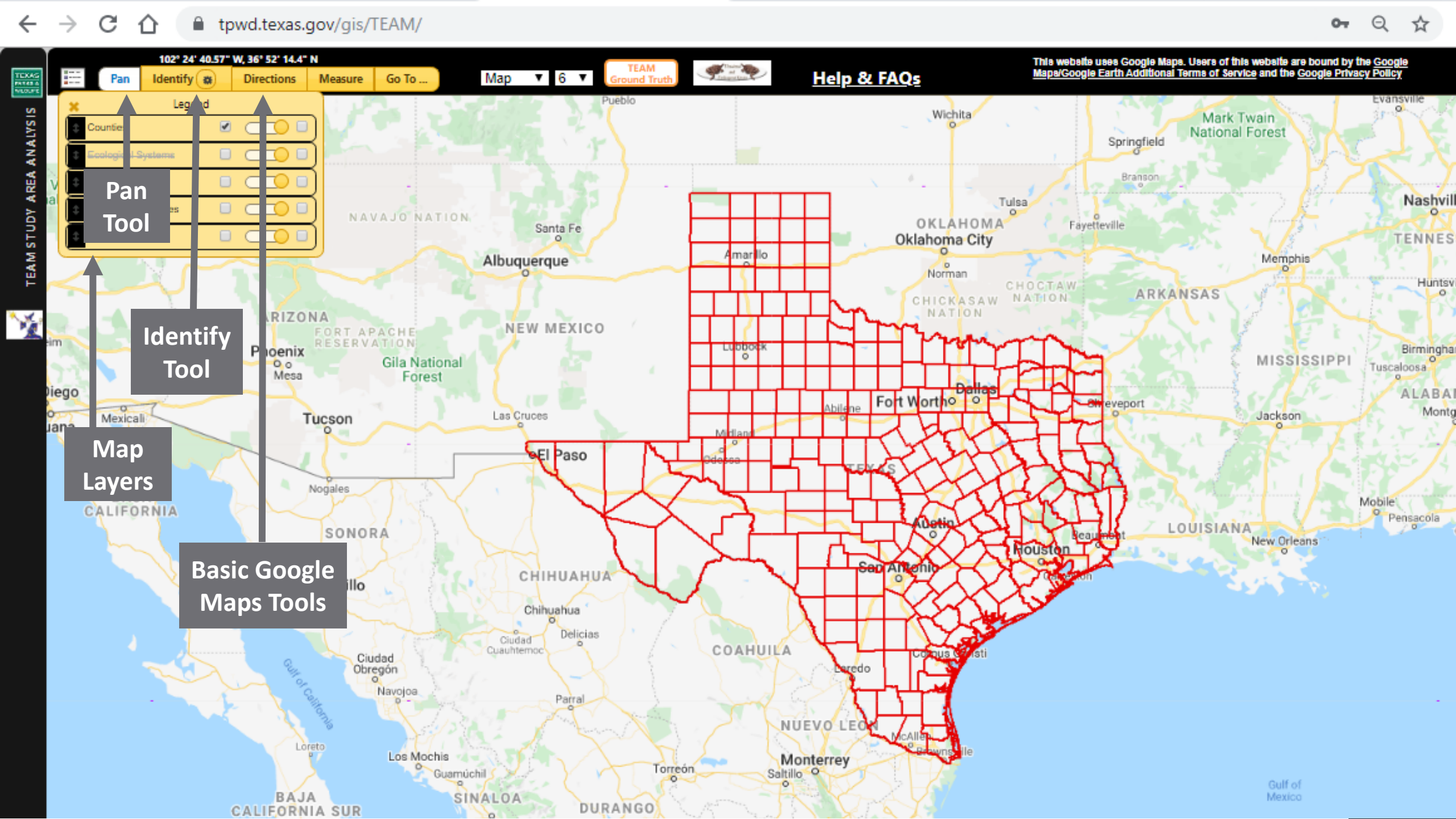
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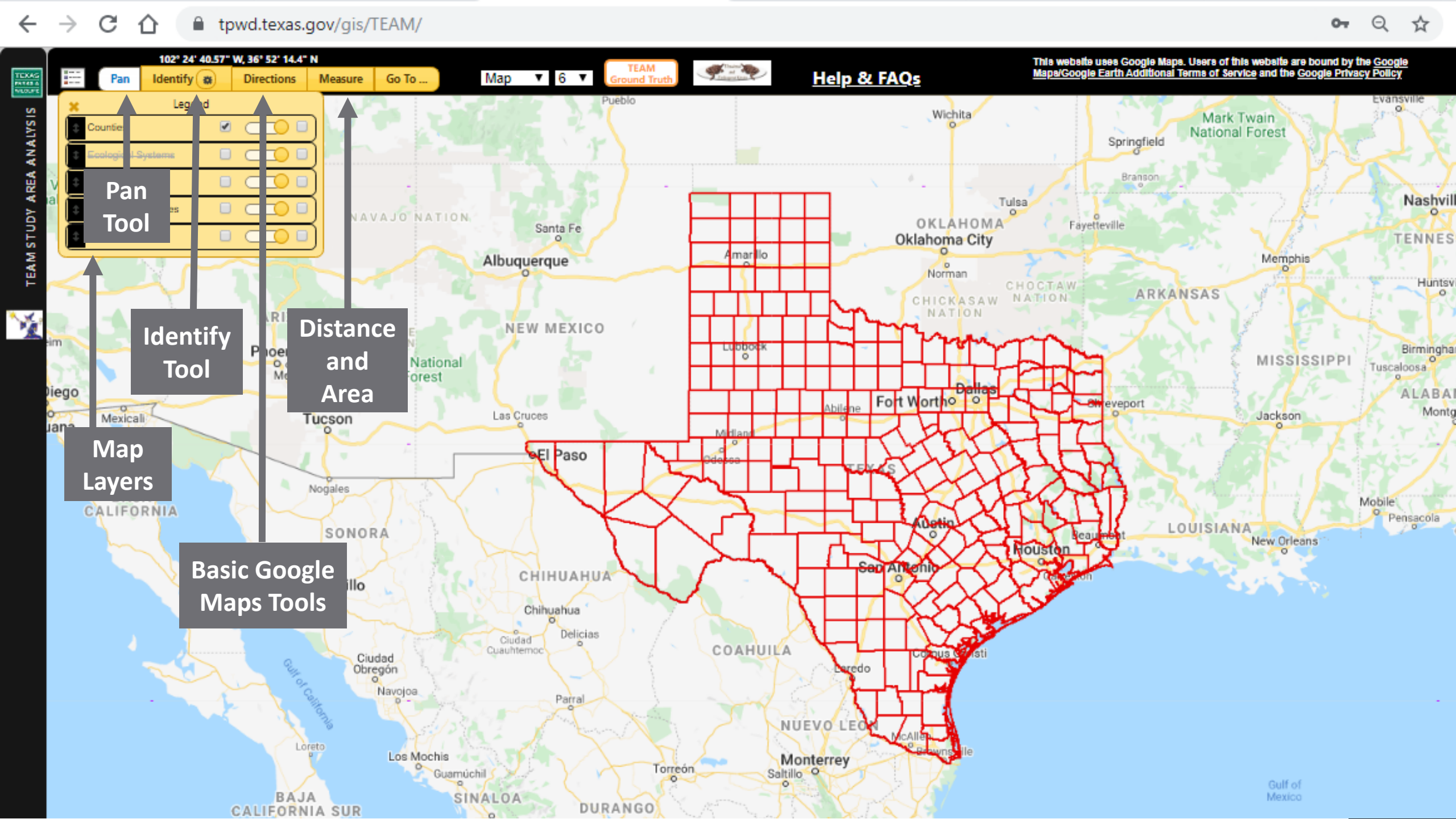
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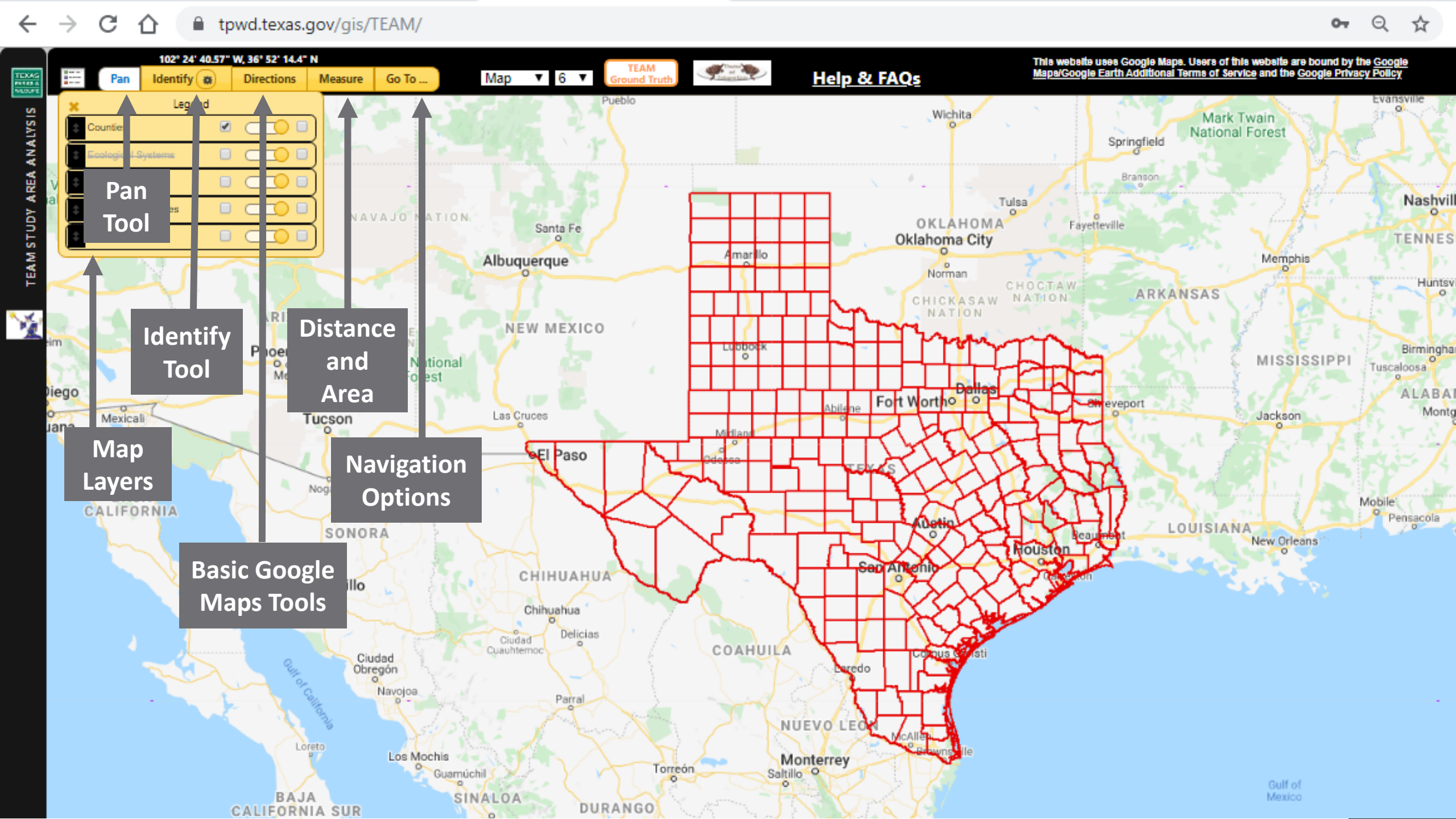
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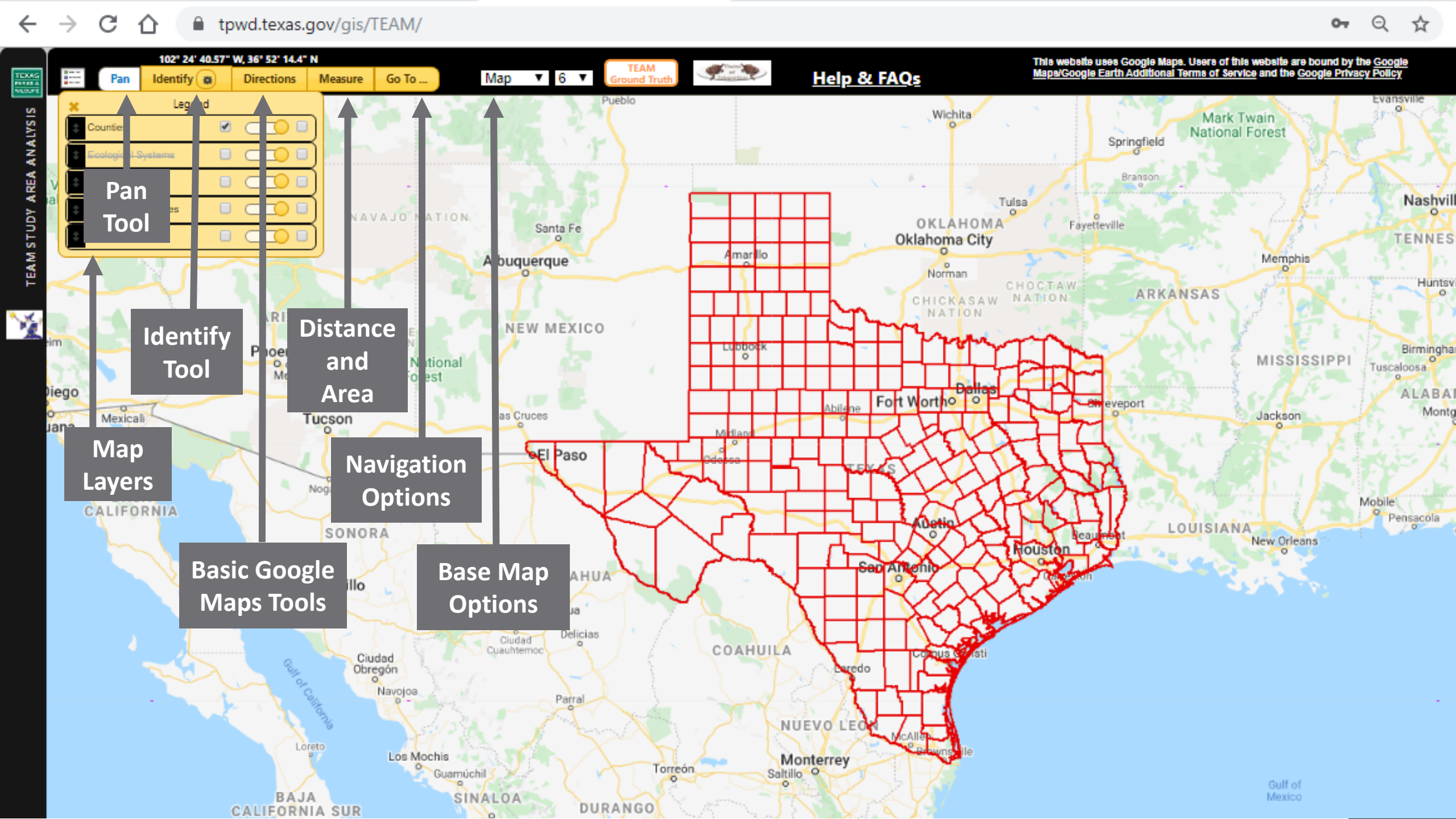
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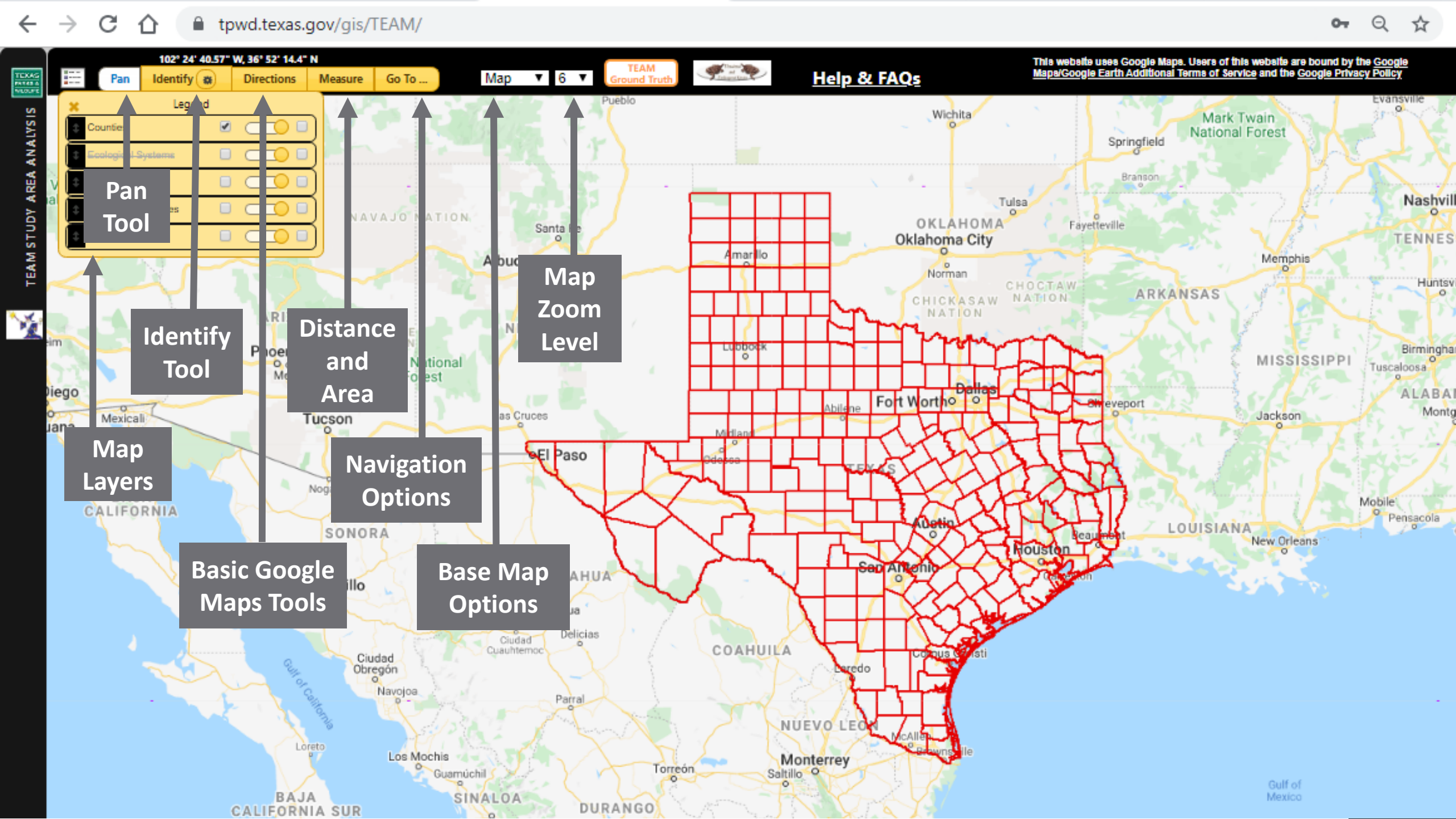
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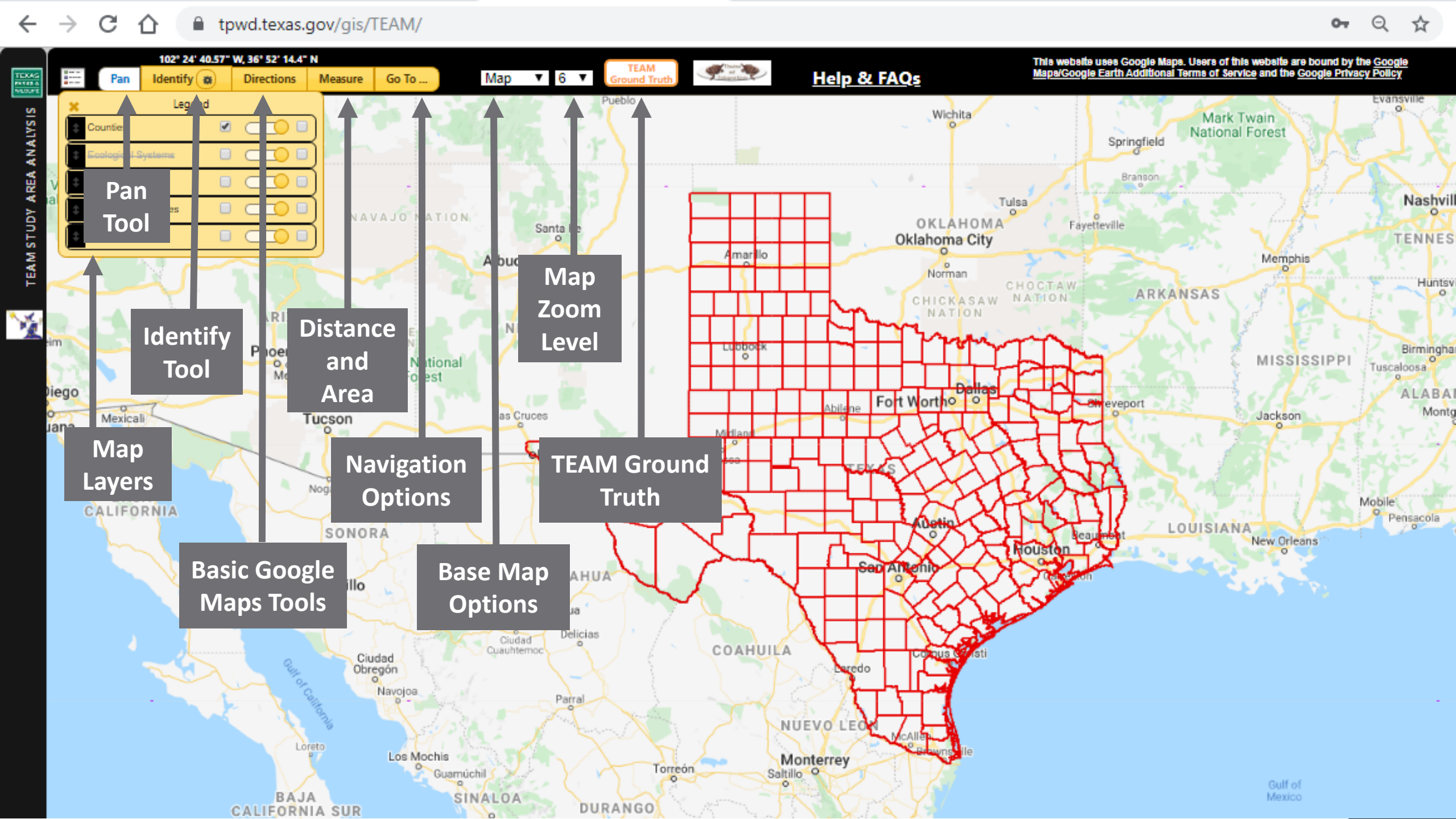
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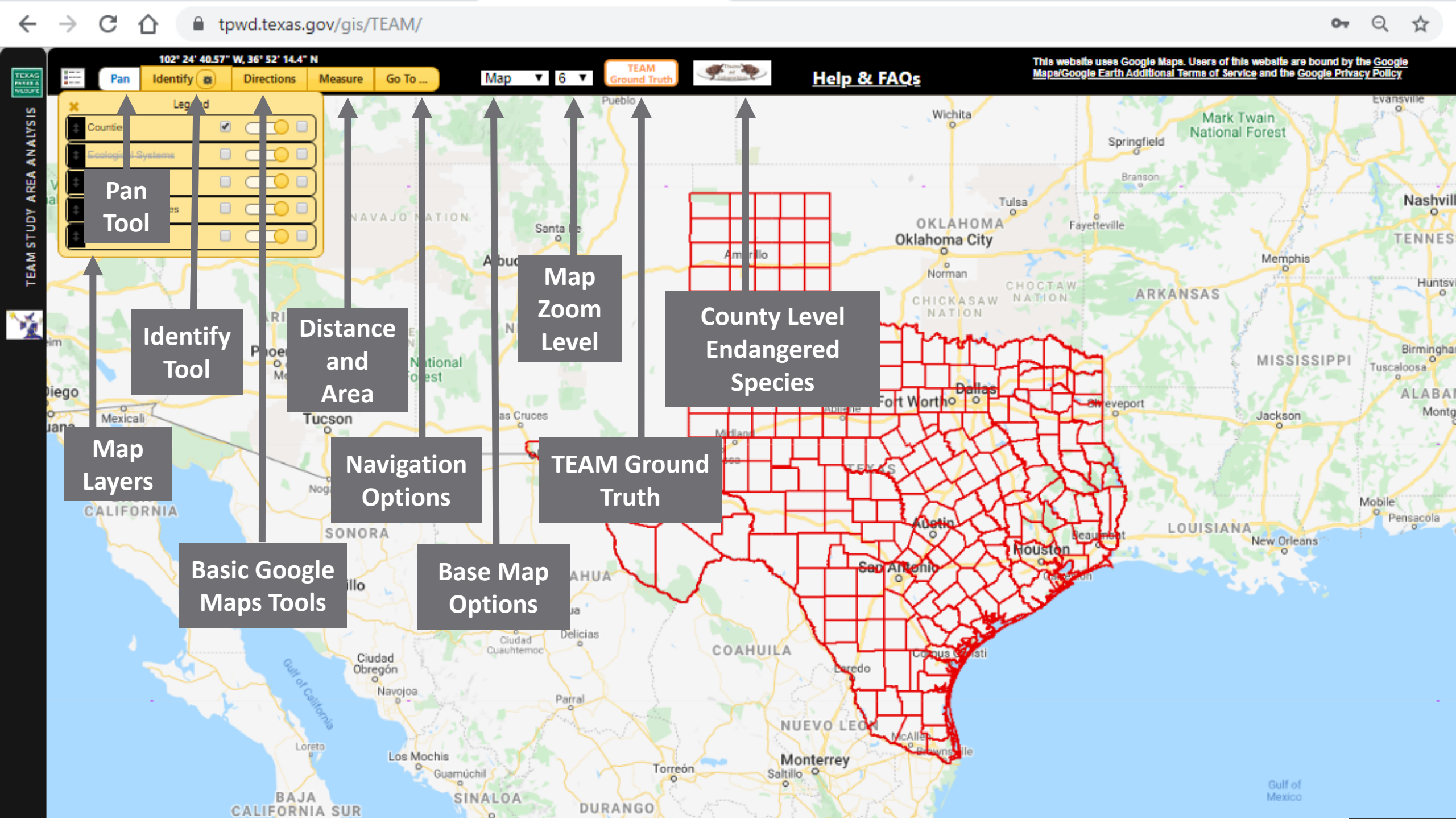
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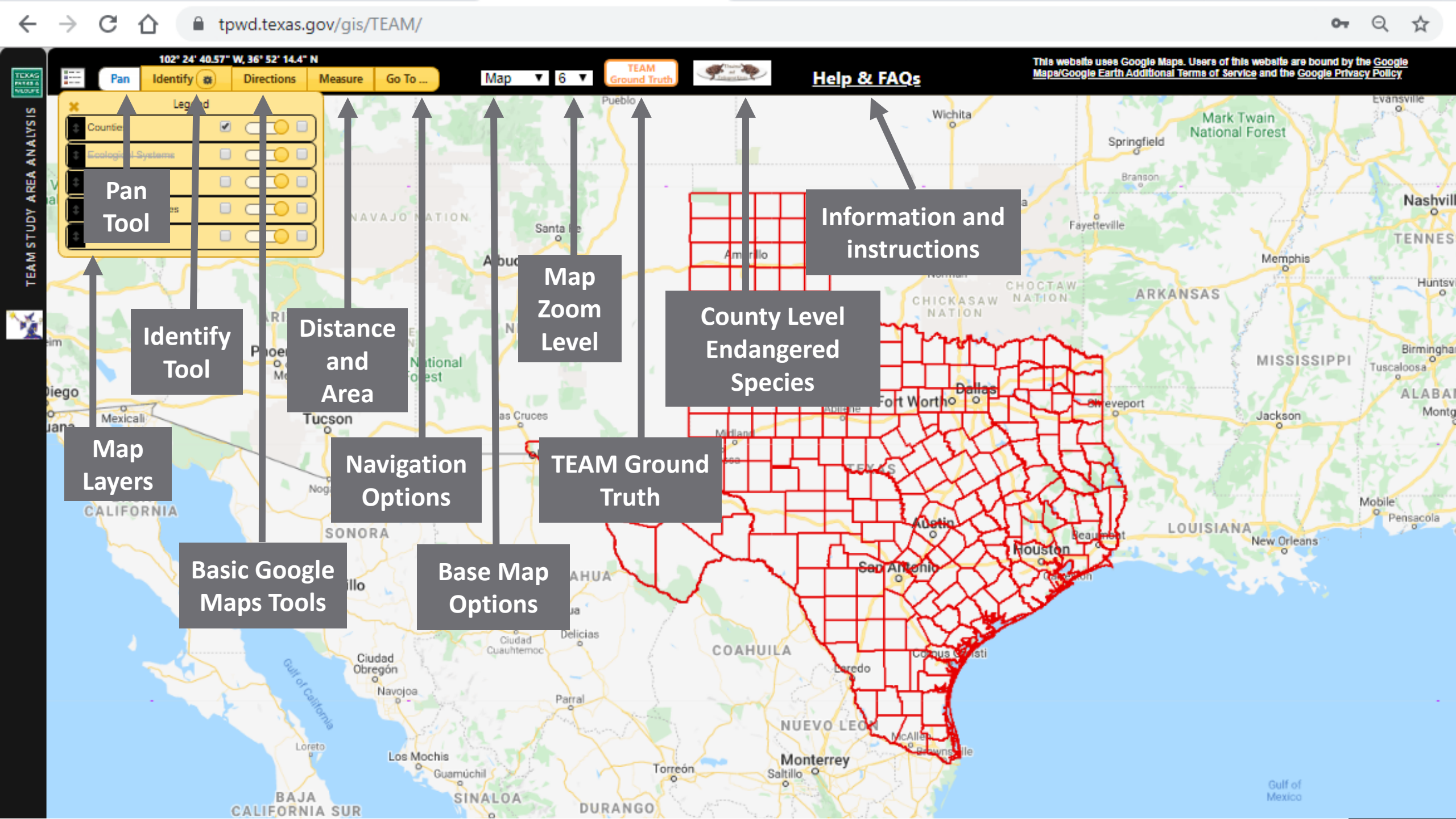
Austin
San Antonio
Houston
Beaumont
LOUISIANA
New Orleans
Mobile
Pensacola
Corpus Christi
Laredo
COAHUILA
NUEVO LEON
McAllen
Brownsville
Monterrey
Saltillo
Torreón
Parral
Delicias
Ciudad Cuauhtémoc
Ciudad Obregón
Navojoa
Gulf of California
Loreto
Los Mochis
Guamúchil
SINALOA
DURANGO
BAJA CALIFORNIA SUR
Gulf of Mexico


tpwd.texas.gov/gis/TEAM/
TEAM STUDY AREA ANALYSIS
102° 24' 40.57" W, 36° 52' 14.4" N
Pan
Identify
Directions
Measure
Go To ...
Map
6
TEAM Ground Truth
Help & FAQs
This website uses Google Maps. Users of this website are bound by the Google Maps/Google Earth Additional Terms of Service and the Google Privacy Policy
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Identify Tool
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Information and instructions
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Pensacola
Dallas
Fort Worth
Shreveport
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San Antonio
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Corpus Christi
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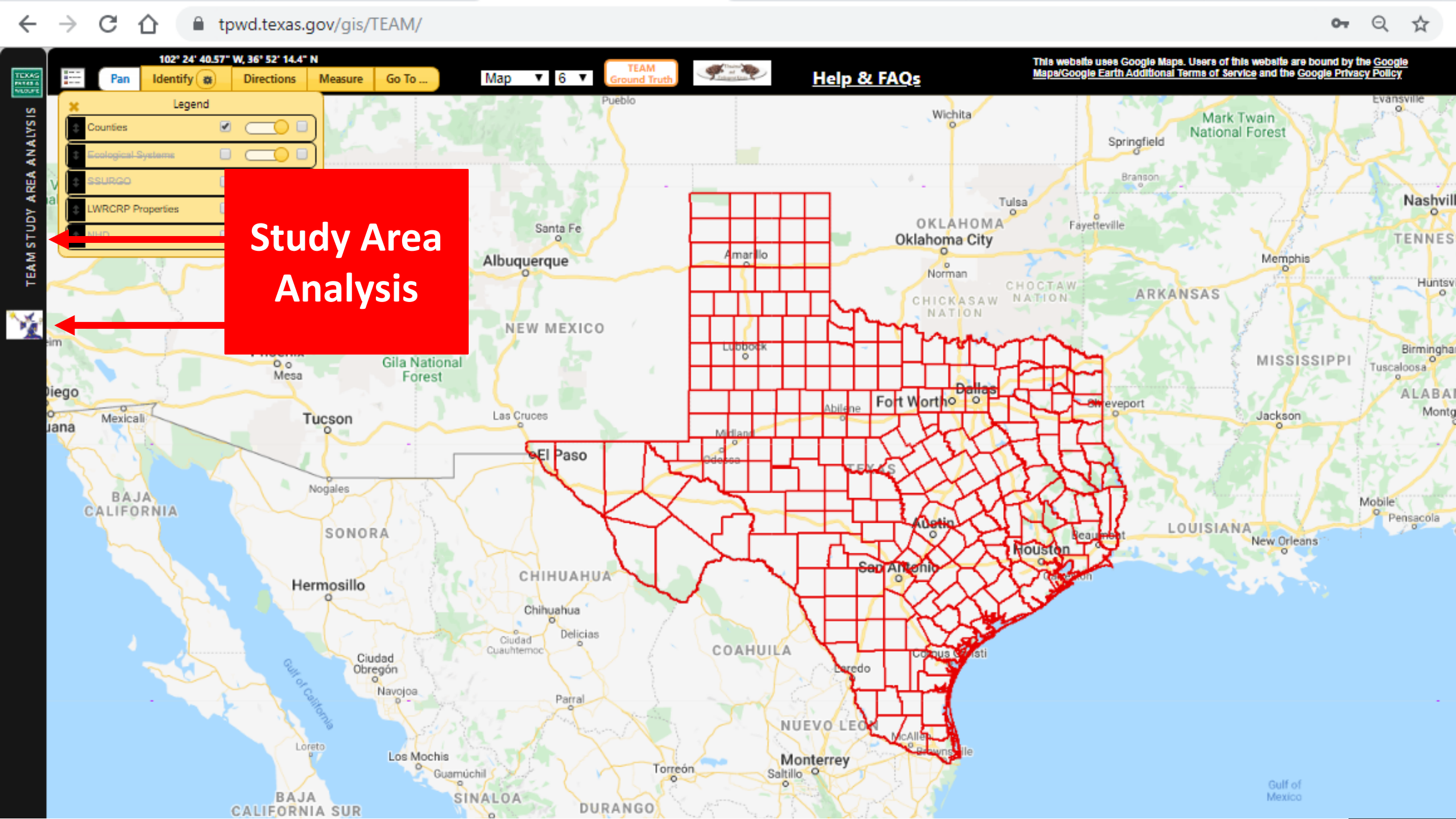
Mexicali
Tucson
Santa Fe
Amarillo
Pueblo
CHOCTAW NATION
CHICKASAW NATION
NAVAJO NATION
CALIFORNIA
SONORA
COAHUILA
NUEVO LEON
SINALOA
DURANGO
BAJA CALIFORNIA SUR
Gulf of California
Gulf of Mexico


tpwd.texas.gov/gis/TEAM/
102° 24' 40.57" W, 36° 52' 14.4" N
Pan
Identify
Directions
Measure
Go To ...
Map
6
TEAM Ground Truth
Help & FAQs
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Pueblo
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CHOCTAW NATION
CHICKASAW NATION
ARKANSAS
MISSISSIPPI
Gila National Forest
Mesa
Tucson
Las Cruces
El Paso
Mexicali
Nogales
Abilene
Fort Worth
Dallas
Midland
Odessa
Austin
San Antonio
Houston
Shreveport
Jackson
Mobile
Pensacola
New Orleans
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TEXAS
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SONORA
CHIHUAHUA
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Hermosillo
Chihuahua
Delicias
Ciudad Cuauhtemoc
Ciudad Obregón
Navojoa
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Laredo
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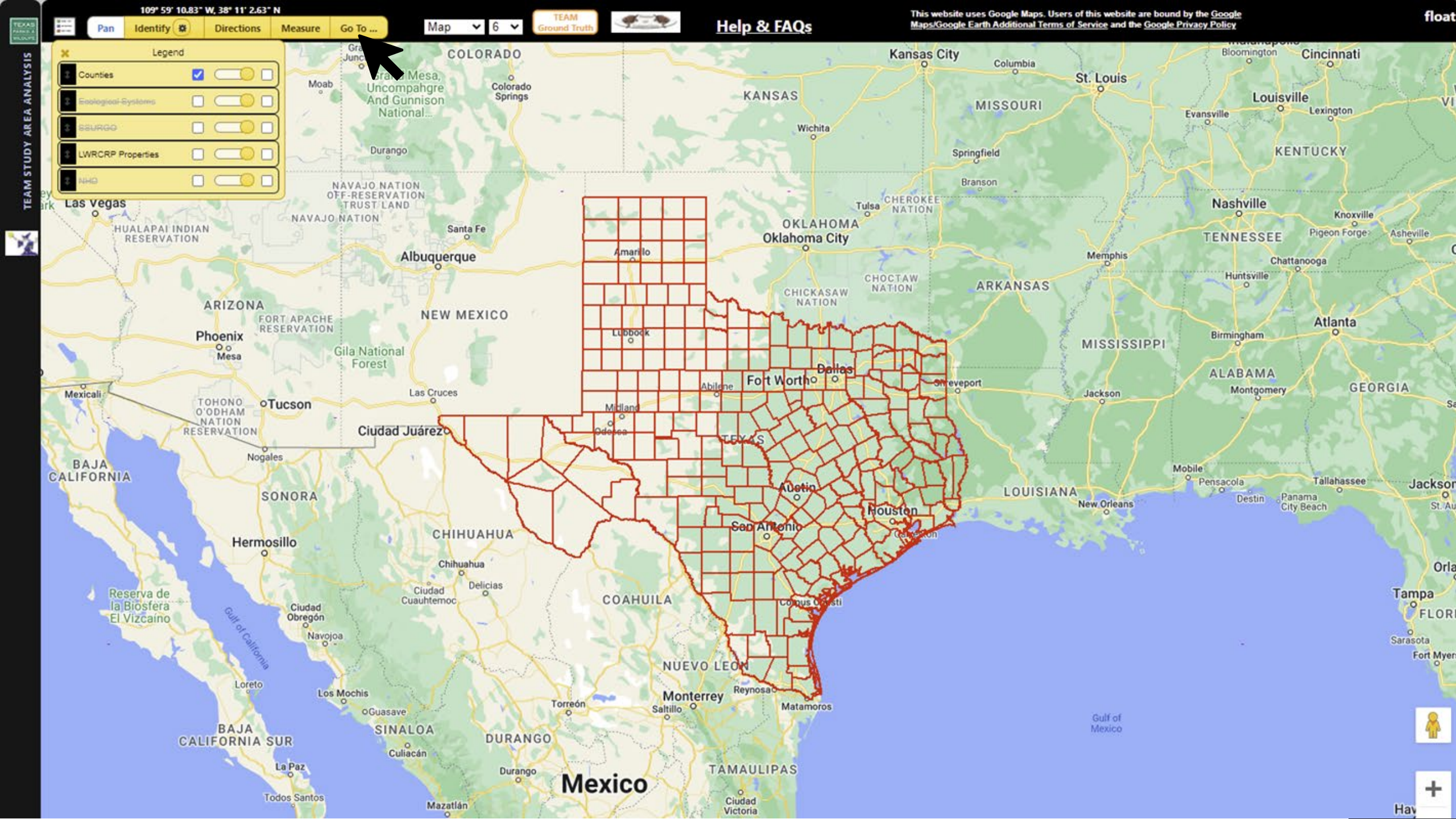
McAllen
Brownsville
Monterrey
Saltillo
Torreón
Los Mochis
Guamúchil
Loreto
Gulf of California
BAJA CALIFORNIA SUR
SINALOA
DURANGO
Gulf of Mexico

Ok…

Deep Breath…

Let’s Make a Map!


TEAM STUDY AREA ANALYSIS
109° 59' 10.83" W, 38° 11' 2.63" N
Pan
Identify
Directions
Measure
Go To ...
Map
6
TEAM Ground Truth
Help & FAQs
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float
Legend
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NHD
COLORADO
Moab
Colorado Springs
Durango
Las Vegas
NAVAJO NATION
HUALAPAI INDIAN RESERVATION
Santa Fe
Albuquerque
Amarillo
Kansas City
Columbia
St. Louis
KANSAS
MISSOURI
Wichita
Springfield
Bloomington
Cincinnati
Louisville
Lexington
Evansville
KENTUCKY
Branson
Tulsa
CHEROKEE NATION
OKLAHOMA
Oklahoma City
Nashville
Knoxville
Pigeon Forge
Asheville
TENNESSEE
Memphis
Chattanooga
Huntsville
CHICKASAW NATION
CHOCTAW NATION
ARKANSAS
ARIZONA
FORT APACHE RESERVATION
NEW MEXICO
Phoenix
Mesa
Gila National Forest
Lubbock
Atlanta
Birmingham
MISSISSIPPI
ALABAMA
Montgomery
GEORGIA
Dallas
Fort Worth
Abilene
Shreveport
Jackson
Midland
Odessa
Las Cruces
Mexicali
TOHONO O'ODHAM NATION RESERVATION
Tucson
Ciudad Juárez
Nogales
TEXAS
BAJA CALIFORNIA
SONORA
Austin
Houston
San Antonio
LOUISIANA
New Orleans
Mobile
Pensacola
Destin
Panama City Beach
Tallahassee
Jackson
Hermosillo
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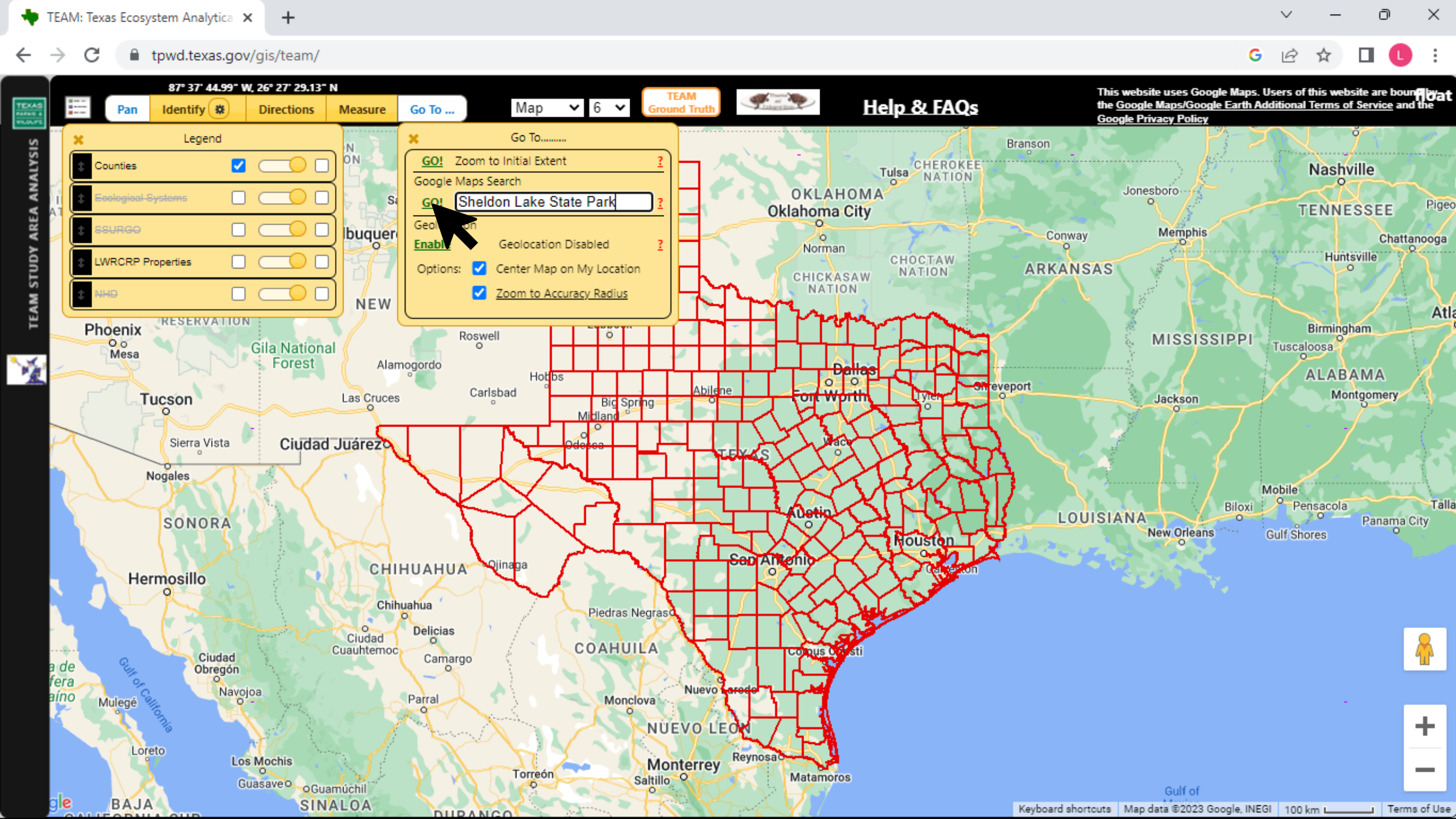
Tampa
Sarasota
Fort Myers
NUEVO LEON
Monterrey
Saltillo
Reynosa
Matamoros
Torreón
Loreto
Los Mochis
Guasave
SINALOA
DURANGO
Culiacán
BAJA CALIFORNIA SUR
La Paz
Todos Santos
Durango
Mazatlán
Mexico
TAMAULIPAS
Ciudad Victoria
Gulf of Mexico


TEAM: Texas Ecosystem Analytica
tpwd.texas.gov/gis/team/
87° 37' 44.99" W, 26° 27' 29.13" N
Pan
Identify
Directions
Measure
Go To ...
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TEAM Ground Truth
Help & FAQs
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TEAM STUDY AREA ANALYSIS
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Go To.....
GO! Zoom to Initial Extent
Google Maps Search
GO! Sheldon Lake State Park
Enable Geolocation Disabled
Options: Center Map on My Location
Zoom to Accuracy Radius
Phoenix
Mesa
Tucson
Sierra Vista
Nogales
Ciudad Juárez
Gila National Forest
Alamogordo
Roswell
Carlsbad
Las Cruces
Hobbs
Abilene
Big Spring
Midland
Odessa
Dallas
Fort Worth
Waco
Austin
San Antonio
Houston
Corpus Christi
Oklahoma City
Tulsa
Norman
Branson
Jonesboro
Nashville
Memphis
Conway
Huntsville
Chattanooga
Shreveport
Jackson
Birmingham
Tuscaloosa
Montgomery
Mobile
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Panama City
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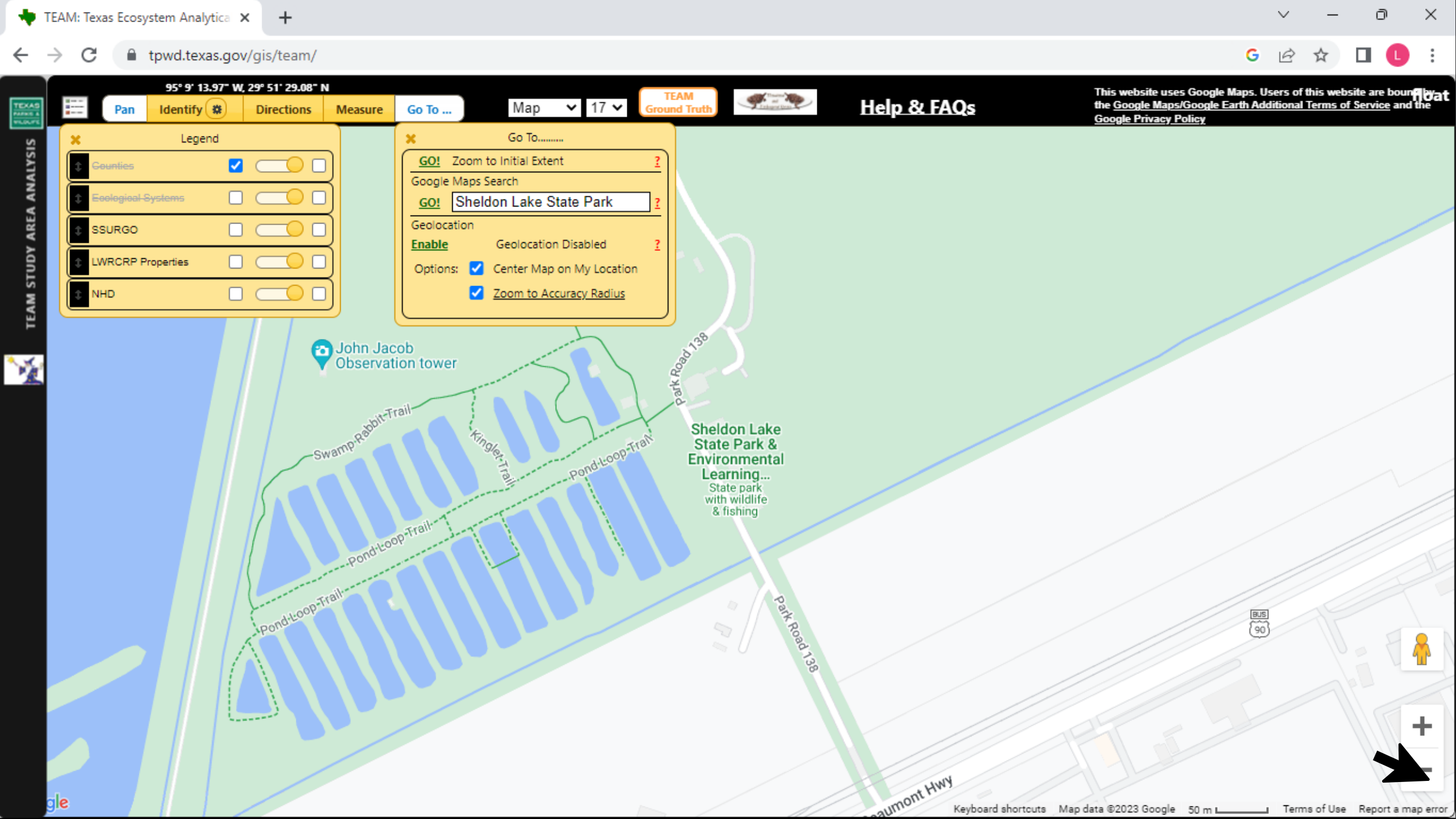
CHICKASAW NATION
ARKANSAS
TENNESSEE
MISSISSIPPI
ALABAMA
LOUISIANA
TEXAS
Gulf of California
Keyboard shortcuts
Map data ©2023 Google, INEGI
100 km
Terms of Use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tpwd.texas.gov/gis/team/
TEAM STUDY AREA ANALYSIS
95° 9' 13.97" W, 29° 51' 29.08" N
Pan
Identify
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GO! Sheldon Lake State Park
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Options: Center Map on My Location
Zoom to Accuracy Radius
John Jacob Observation tower
Swamp Rabbit Trail
Kinglet Trail
Pond Loop Trail
Park Road 138
Sheldon Lake State Park & Environmental Learning...
State park with wildlife & fishing
Beaumont Hwy
BUS 90
Keyboard shortcuts
Map data ©2023 Google
50 m
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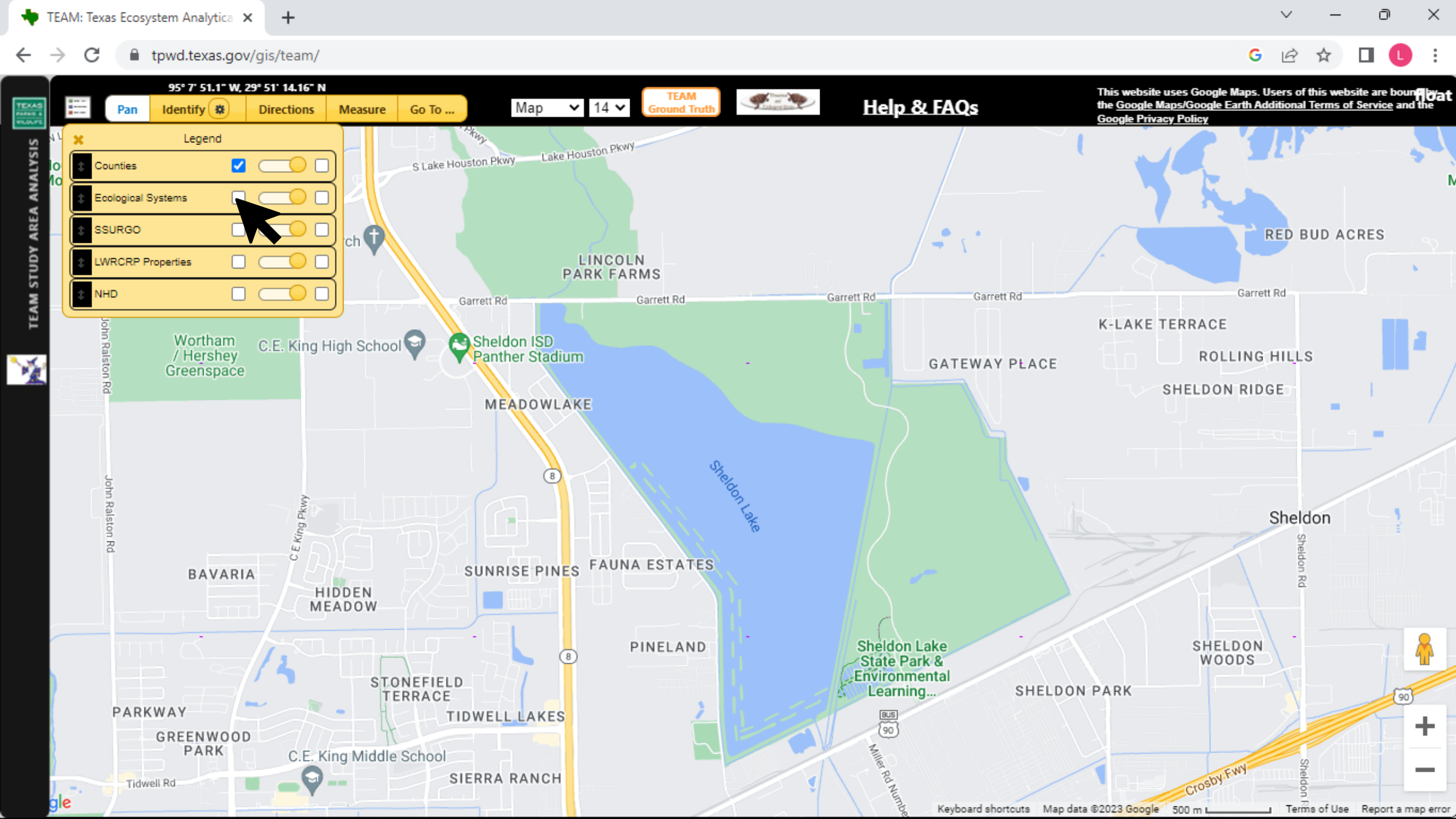
TEAM: Texas Ecosystem Analytica
tpwd.texas.gov/gis/team/
TEAM STUDY AREA ANALYSIS
95° 7' 51.1" W, 29° 51' 14.16" N
Pan
Identify
Directions
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TEAM Ground Truth
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NHD
Wortham / Hershey Greenspace
C.E. King High School
Sheldon ISD Panther Stadium
LINCOLN PARK FARMS
RED BUD ACRES
K-LAKE TERRACE
GATEWAY PLACE
ROLLING HILLS
SHELDON RIDGE
MEADOWLAKE
Sheldon Lake
Sheldon
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HIDDEN MEADOW
SUNRISE PINES
FAUNA ESTATES
PINELAND
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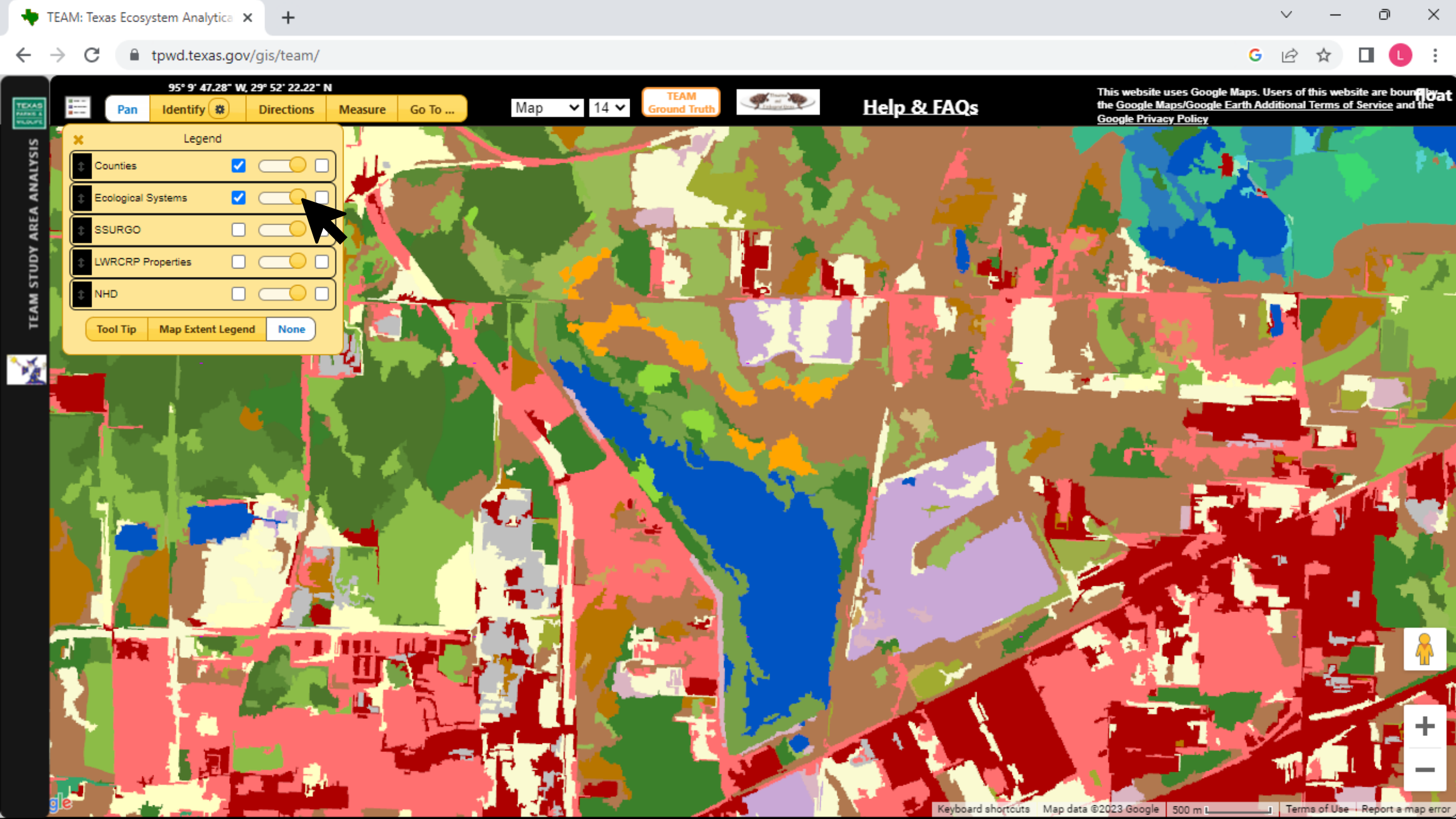
SHELDON PARK
STONEFIELD TERRACE
TIDWELL LAKES
PARKWAY
GREENWOOD PARK
C.E. King Middle School
SIERRA RANCH
Garrett Rd
Lake Houston Pkwy
S Lake Houston Pkwy
John Ralston Rd
C E King Pkwy
Sheldon Rd
Tidwell Rd
Crosby Fwy
Keyboard shortcuts
Map data ©2023 Google
500 m
Terms of Use
Report a map error


TEAM: Texas Ecosystem Analytica
tpwd.texas.gov/gis/team/
TEAM STUDY AREA ANALYSIS
95° 9' 47.28" W, 29° 52' 22.22" N
Pan
Identify
Directions
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TEAM Ground Truth
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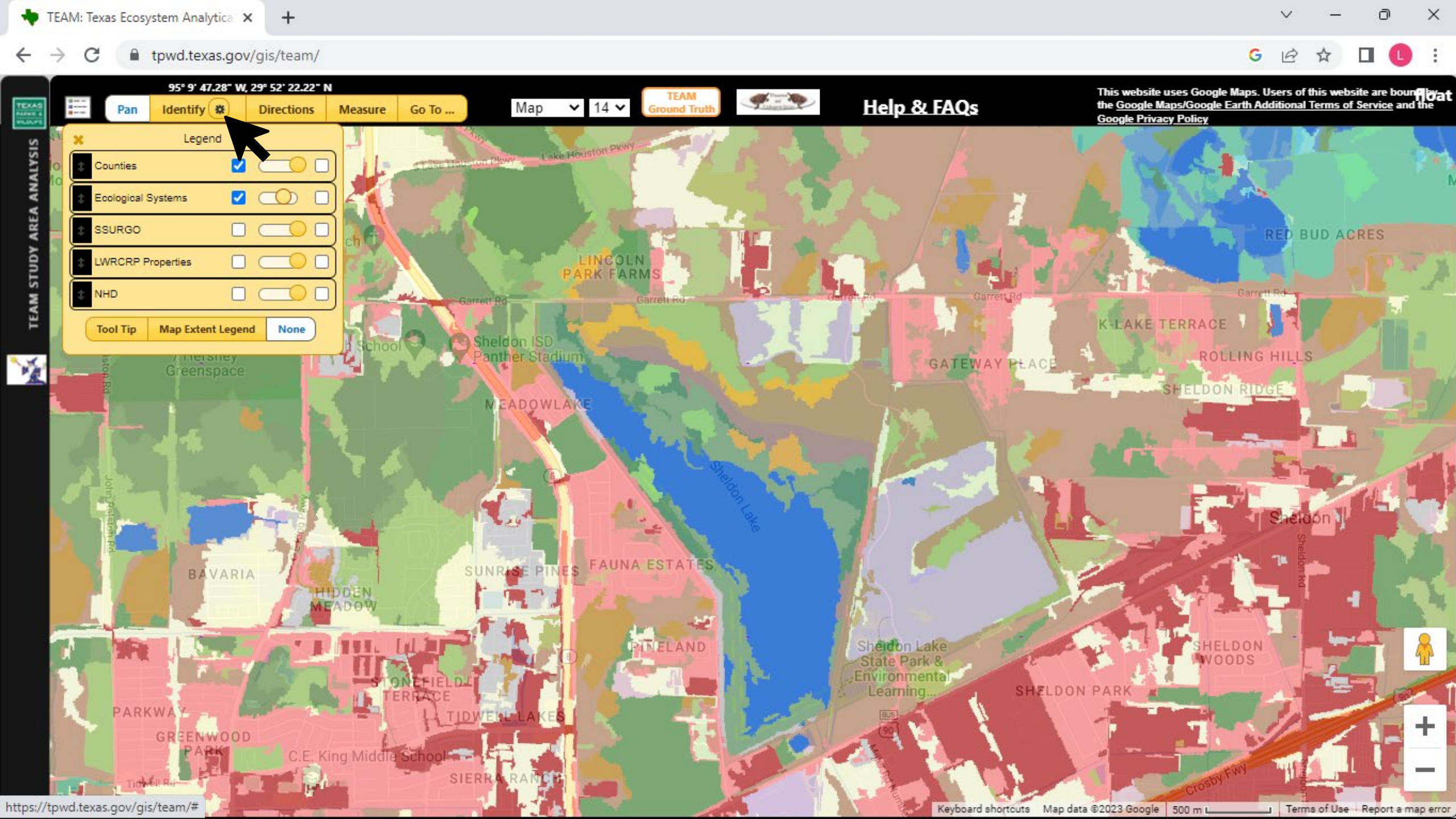
Legend
Counties
Ecological Systems
SSURGO
LWRCRP Properties
NHD
Tool Tip
Map Extent Legend
None
Keyboard shortcuts
Map data ©2023 Google
500 m
Terms of Use
Report a map error


TEAM: Texas Ecosystem Analytica
tpwd.texas.gov/gis/team/
TEAM STUDY AREA ANALYSIS
95° 9' 47.28" W, 29° 52' 22.22" N
Pan
Identify
Directions
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Tool Tip
Map Extent Legend
None
Lake Houston Pkwy
Garrett Rd
LINCOLN PARK FARMS
RED BUD ACRES
K-LAKE TERRACE
ROLLING HILLS
SHELDON RIDGE
GATEWAY PLACE
Sheldon ISD Panther Stadium
Hershey Greenspace
MEADOWLAKE
Sheldon Lake
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SUNRISE PINES
FAUNA ESTATES
PINELAND
Sheldon Lake State Park & Environmental Learning...
SHELDON WOODS
SHELDON PARK
STONEFIELD TERRACE
TIDWELL LAKES
PARKWAY
GREENWOOD PARK
C.E. King Middle School
SIERRA RANCH
Crosby Fwy
Keyboard shortcuts
Map data ©2023 Google
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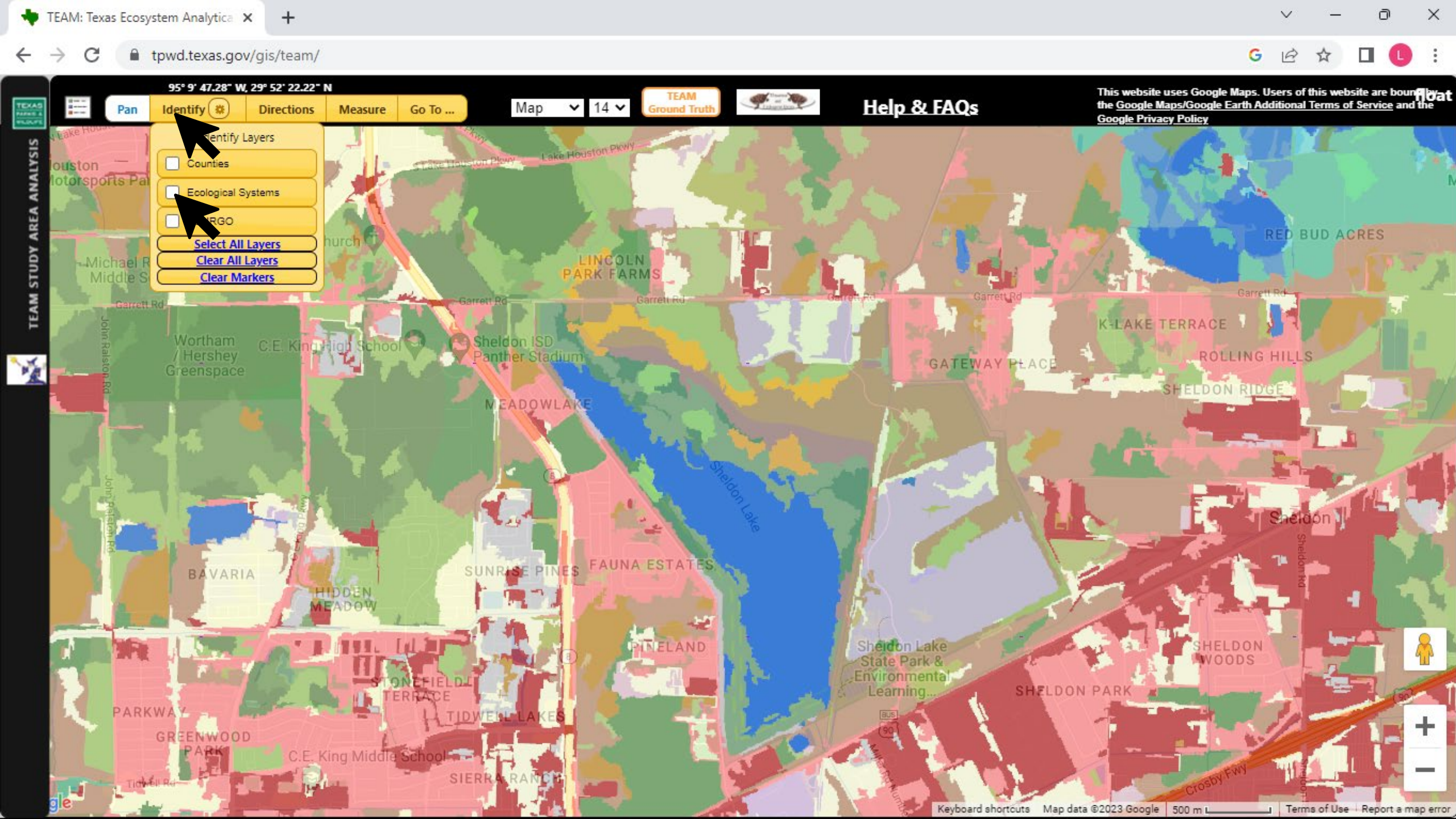
https://tpwd.texas.gov/gis/team/#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tpwd.texas.gov/gis/team/
TEAM STUDY AREA ANALYSIS
95° 9' 47.28" W, 29° 52' 22.22" N
Pan
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Identify Layers
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RGO
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Clear All Layers
Clear Markers
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RED BUD ACRES
K-LAKE TERRACE
ROLLING HILLS
SHELDON RIDGE
GATEWAY PLACE
MEADOWLAKE
Sheldon Lake
Wortham / Hershey Greenspace
C.E. King High School
Sheldon ISD Panther Stadium
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SUNRISE PINES
FAUNA ESTATES
PINELAND
Sheldon Lake State Park & Environmental Learning...
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TIDWELL LAKES
PARKWAY
GREENWOOD PARK
C.E. King Middle School
SIERRA RANCH
Crosby Fwy
Keyboard shortcuts
Map data ©2023 Google
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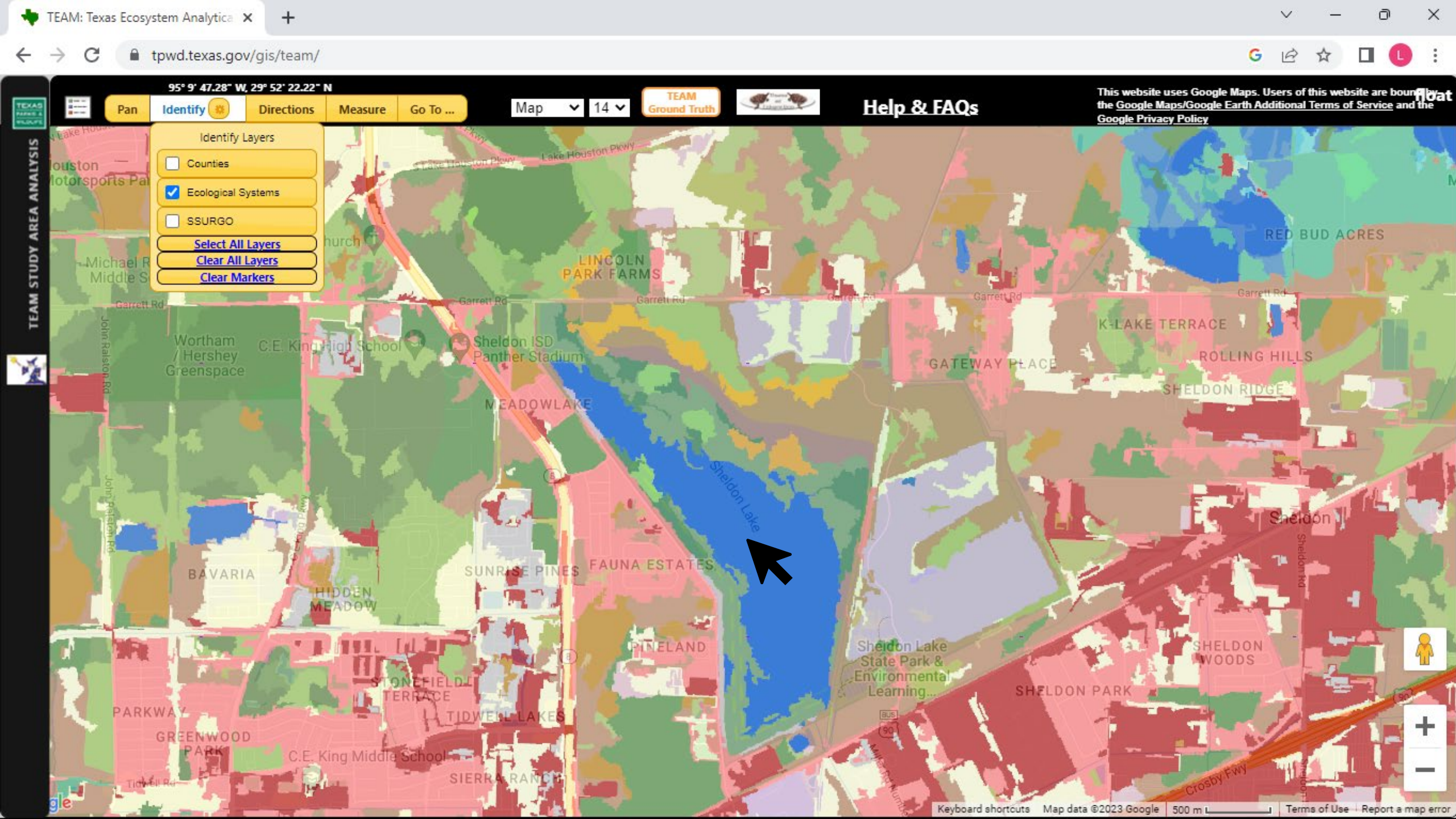
Report a map error


TEAM: Texas Ecosystem Analytica
tpwd.texas.gov/gis/team/
95° 9' 47.28" W, 29° 52' 22.22" N
Pan
Identify
Directions
Measure
Go To ...
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TEAM STUDY AREA ANALYSIS
Identify Layers
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Ecological Systems
SSURGO
Select All Layers
Clear All Layers
Clear Markers
LINCOLN PARK FARMS
RED BUD ACRES
K-LAKE TERRACE
ROLLING HILLS
GATEWAY PLACE
SHELDON RIDGE
Garrett Rd
Wortham / Hershey Greenspace
C.E. King High School
Sheldon ISD Panther Stadium
MEADOWLAKE
Sheldon Lake
BAVARIA
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FAUNA ESTATES
HIDDEN MEADOW
PINELAND
Sheldon Lake State Park & Environmental Learning...
SHELDON WOODS
SHELDON PARK
STONEFIELD TERRACE
TIDWELL LAKES
PARKWAY
GREENWOOD PARK
C.E. King Middle School
SIERRA RANCH
Crosby Fwy
Keyboard shortcuts
Map data ©2023 Google
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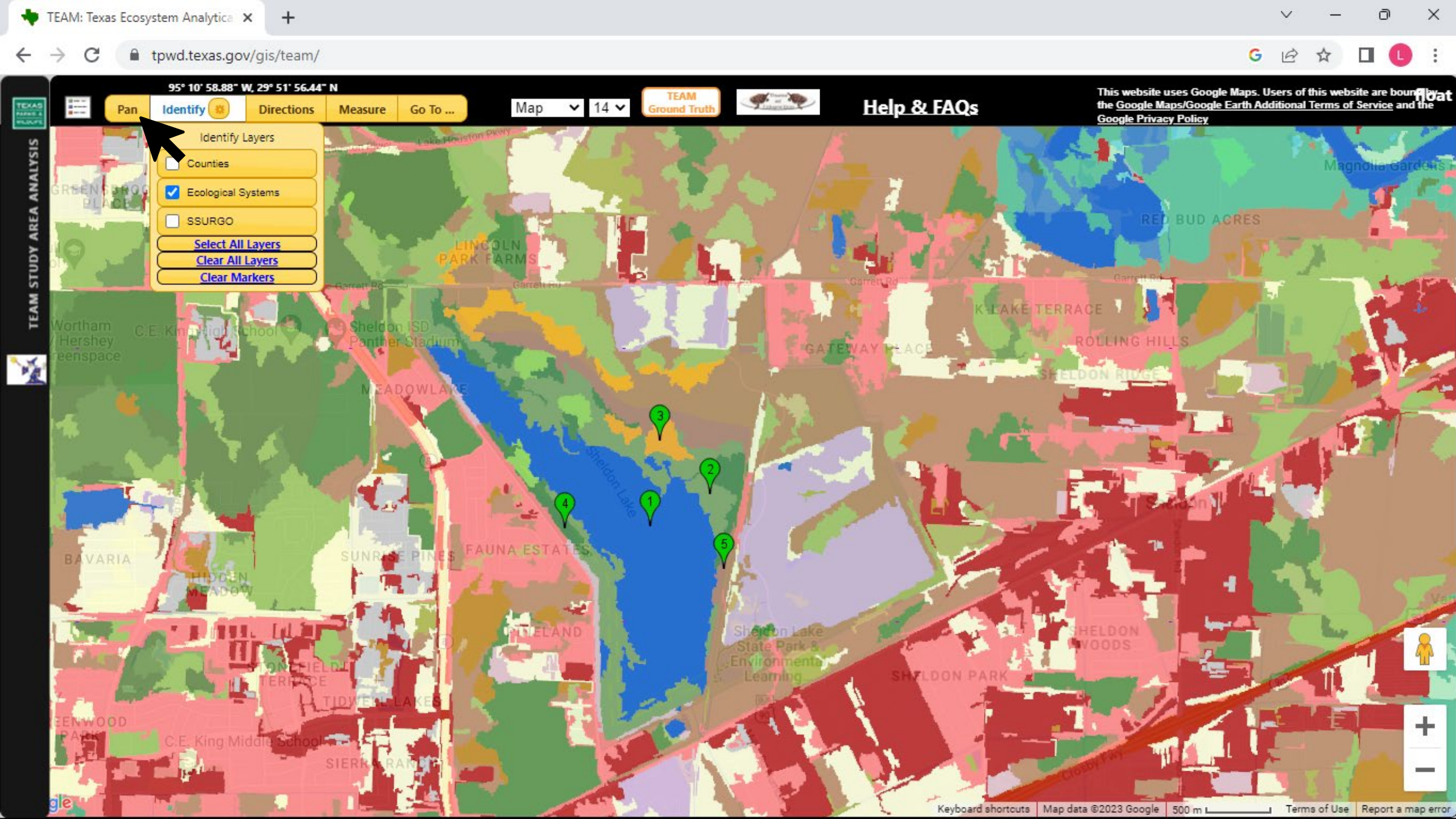
Report a map error


TEAM: Texas Ecosystem Analytica
tpwd.texas.gov/gis/team/
TEAM STUDY AREA ANALYSIS
95° 10' 58.88" W, 29° 51' 56.44" N
Pan
Identify
Directions
Measure
Go To ...
Map
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TEAM Ground Truth
Help & FAQs
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Identify Layers
Counties
Ecological Systems
SSURGO
Select All Layers
Clear All Layers
Clear Markers
Sheldon Lake
Keyboard shortcuts
Map data ©2023 Google
500 m
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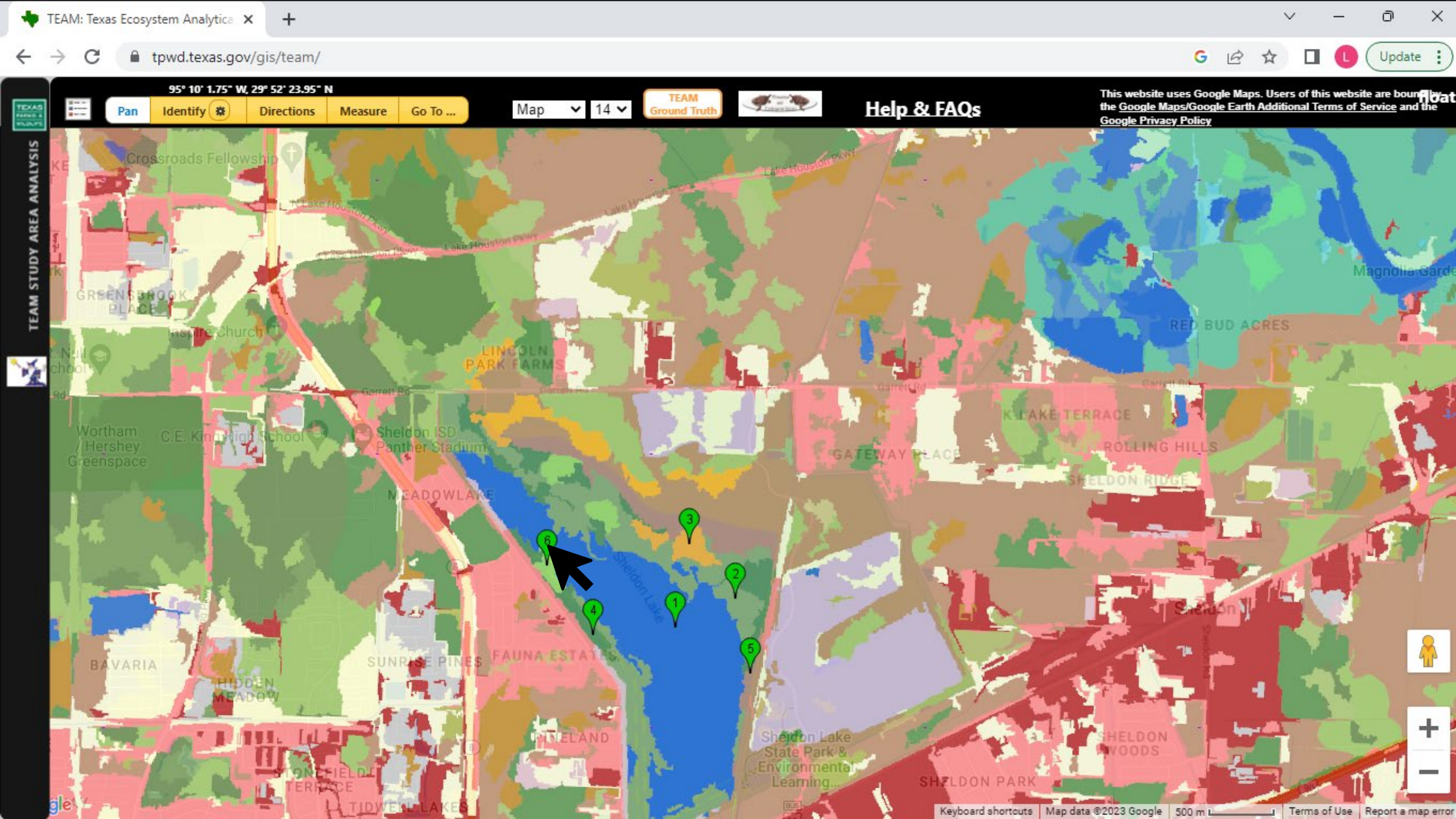
Report a map error


TEAM: Texas Ecosystem Analytica
tpwd.texas.gov/gis/team/
Update
TEAM STUDY AREA ANALYSIS
95° 10' 1.75" W, 29° 52' 23.95" N
Pan
Identify
Directions
Measure
Go To ...
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Crossroads Fellowship
Lake Houston Pkwy
GREENSBROOK PLACE
LINCOLN PARK FARMS
RED BUD ACRES
Wortham / Hershey Greenspace
C.E. King High School
Sheldon ISD Panther Stadium
MEADOWLAKE
GATEWAY PLACE
LAKE TERRACE
ROLLING HILLS
SHELDON RIDGE
Sheldon Lake
BAVARIA
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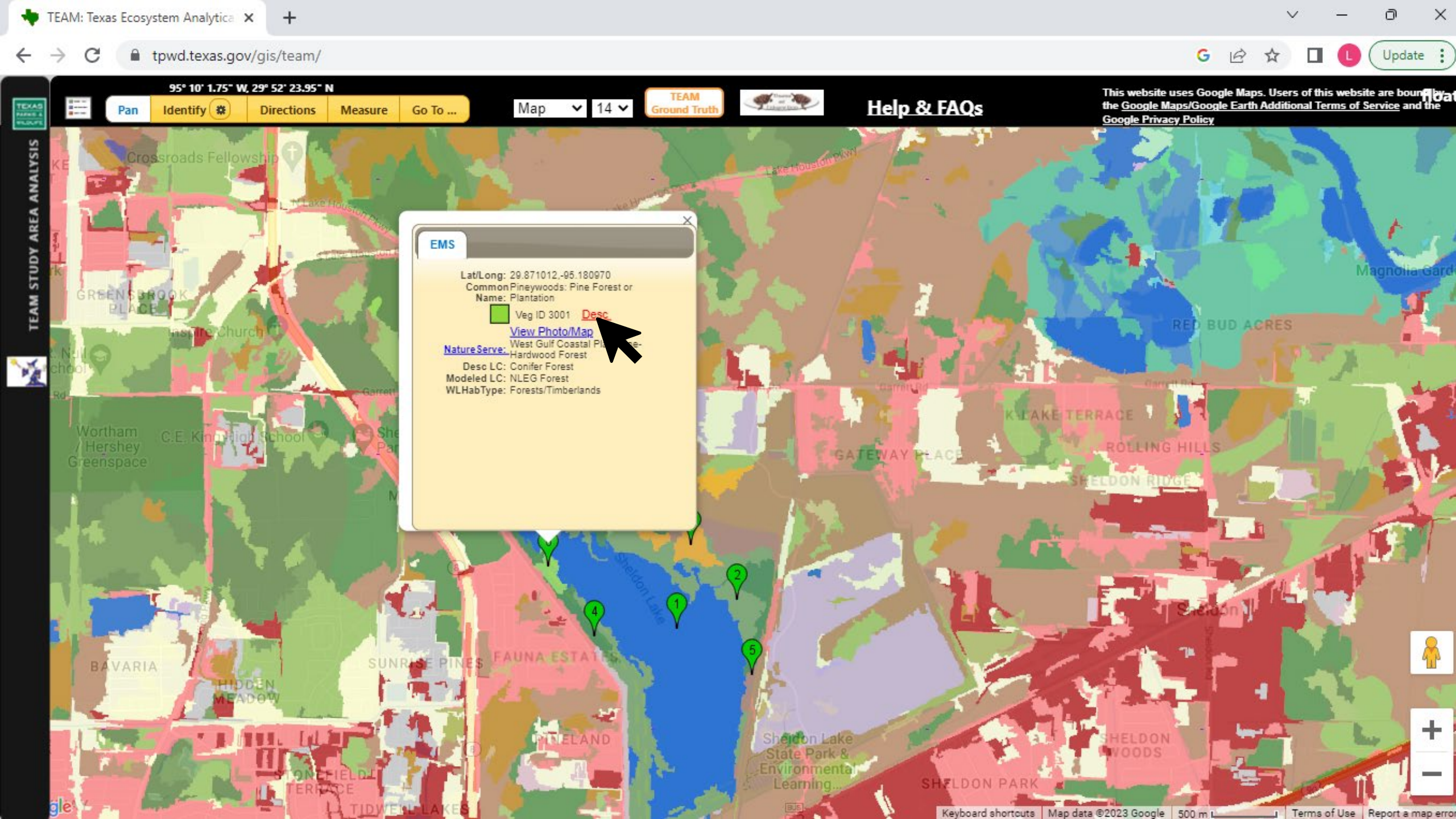
FAUNA ESTATES
HIDDEN MEADOW
TIDELAND
Sheldon Lake State Park & Environmental Learning...
SHELDON WOODS
SHELDON PARK
TIDWELL LAKES
Keyboard shortcuts
Map data ©2023 Google
500 m
Terms of Use
Report a map error


TEAM: Texas Ecosystem Analytica
tpwd.texas.gov/gis/team/
Update
95° 10' 1.75" W, 29° 52' 23.95" N
Pan
Identify
Directions
Measure
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Map
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TEAM Ground Truth
Help & FAQs
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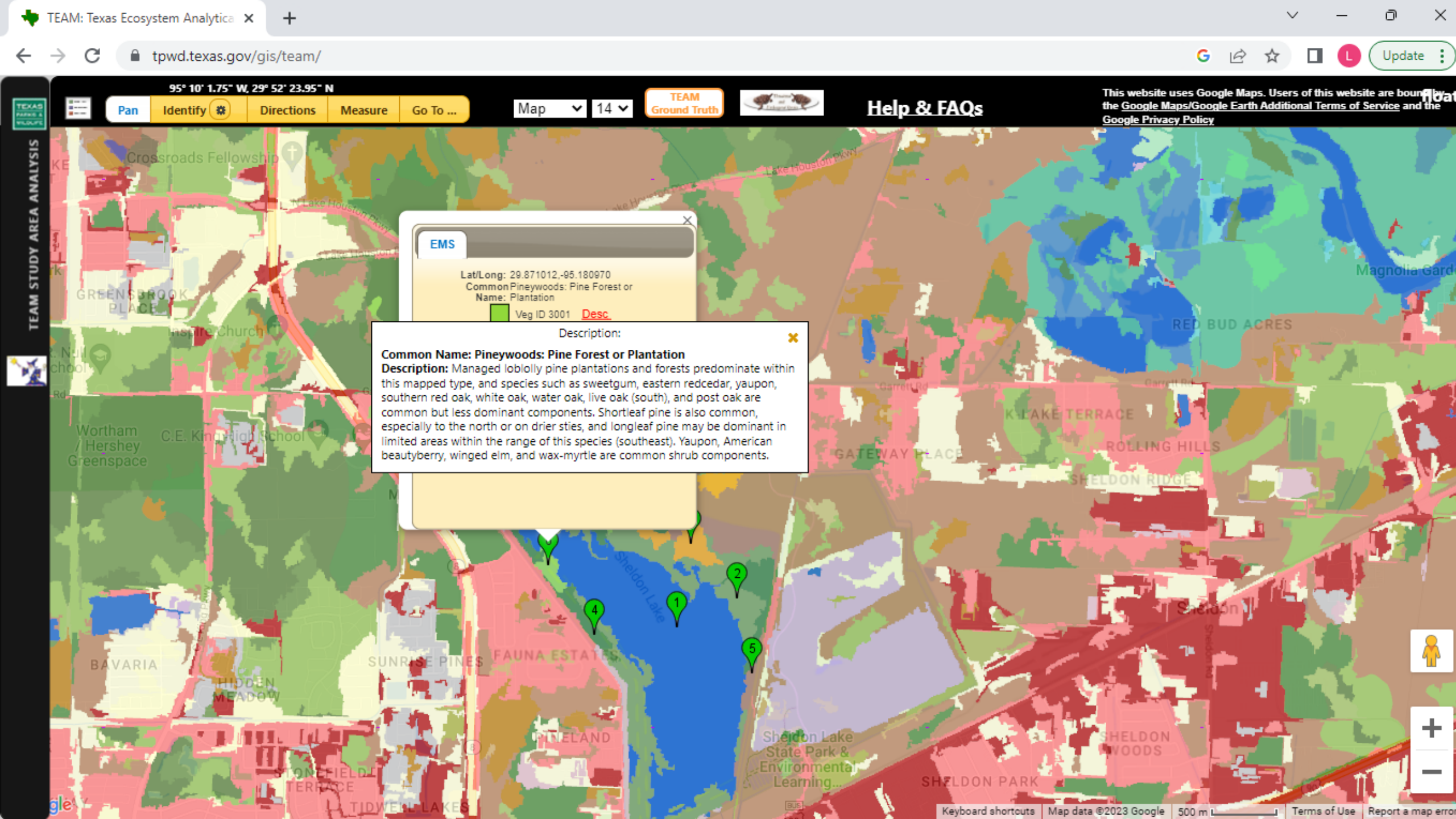
TEAM STUDY AREA ANALYSIS
EMS
Lat/Long: 29.871012,-95.180970
Common Name: Pineywoods: Pine Forest or Plantation
Veg ID 3001
Desc
View Photo/Map
NatureServe: West Gulf Coastal Pl... Hardwood Forest
Desc LC: Conifer Forest
Modeled LC: NLEG Forest
WLHabType: Forests/Timberlands
Crossroads Fellowship
Wortham / Hershey Greenspace
C.E. King High School
GREENSPROOK PLACE
RED BUD ACRES
LAKE TERRACE
GATEWAY PLACE
ROLLING HILLS
SHELDON RIDGE
BAVARIA
SUNRISE PINES
FAUNA ESTATES
HIDDEN MEADOW
PINELAND
Sheldon Lake State Park & Environmental Learning...
SHELDON WOODS
SHELDON PARK
TIDWELL LAKES
Keyboard shortcuts
Map data ©2023 Google
500 m
Terms of Use
Report a map error


TEAM: Texas Ecosystem Analytica
tpwd.texas.gov/gis/team/
Update
TEAM STUDY AREA ANALYSIS
95° 10' 1.75" W, 29° 52' 23.95" N
Pan
Identify
Directions
Measure
Go To ...
Map
14
TEAM Ground Truth
Help & FAQs
This website uses Google Maps. Users of this website are bound by the Google Maps/Google Earth Additional Terms of Service and the Google Privacy Policy
EMS
Lat/Long: 29.871012,-95.180970
Common Name: Pineywoods: Pine Forest or Plantation
Veg ID 3001 Desc
Description:
Common Name: Pineywoods: Pine Forest or Plantation
Description: Managed loblolly pine plantations and forests predominate within this mapped type, and species such as sweetgum, eastern redcedar, yaupon, southern red oak, white oak, water oak, live oak (south), and post oak are common but less dominant components. Shortleaf pine is also common, especially to the north or on drier sties, and longleaf pine may be dominant in limited areas within the range of this species (southeast). Yaupon, American beautyberry, winged elm, and wax-myrtle are common shrub components.
Crossroads Fellowship
Wortham / Hershey Greenspace
C.E. King High School
Sheldon Lake
Sheldon Lake State Park & Environmental Learning...
BAVARIA
SUNRISE PINES
FAUNA ESTATES
PINELAND
SHELDON PARK
RED BUD ACRES
LAKE TERRACE
ROLLING HILLS
GATEWAY PLACE
SHELDON RIDGE
Keyboard shortcuts
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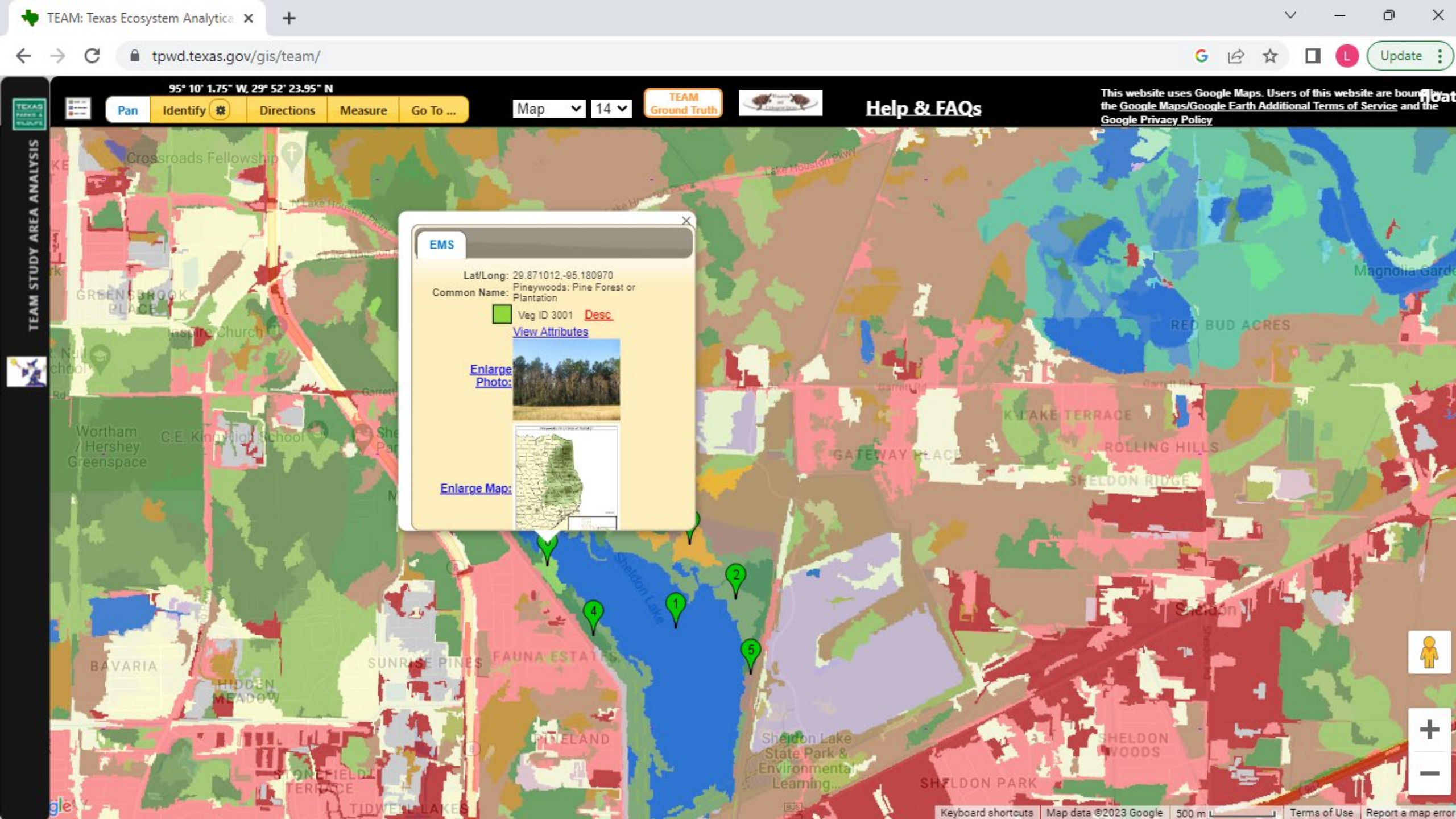
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TEAM Ground Truth
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Lat/Long: 29.871012,-95.180970
Common Name: Pineywoods: Pine Forest or Plantation
Veg ID 3001 Desc
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Enlarge Map:
Crossroads Fellowship
Lake Houston Pkwy
GREENSPOINT PLACE
Wortham / Hershey Greenspace
C.E. King High School
RED BUD ACRES
LAKE TERRACE
GATEWAY PLACE
ROLLING HILLS
SHELDON RIDGE
BAVARIA
HIDDEN MEADOW
SUNRISE PINES
FAUNA ESTATES
PINELAND
Sheldon Lake
Sheldon Lake State Park & Environmental Learning...
SHELDON WOODS
SHELDON PARK
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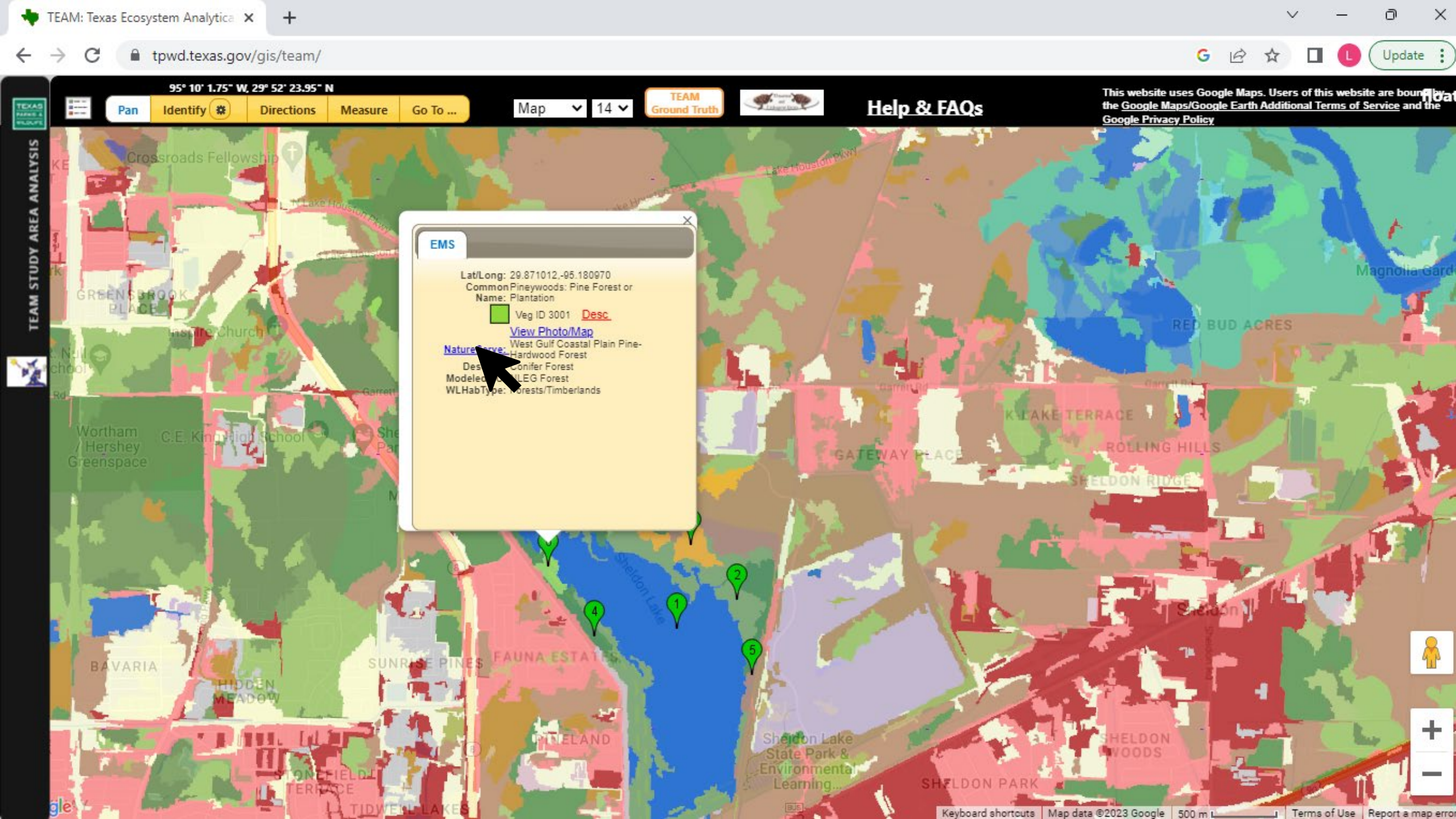
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Lat/Long: 29.871012,-95.180970
Common Name: Pineywoods: Pine Forest or Plantation
Veg ID 3001
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NatureServe: West Gulf Coastal Plain Pine-Hardwood Forest
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Wortham / Hershey Greenspace
C.E. King High School
GREENSPOINT PLACE
RED BUD ACRES
LAKE TERRACE
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West Gulf Coastal Plain Pine-Hardwood Forest

Download PDF
Nature Serve ID: CES203.378

Geology

This system is widespread and forms the matrix of the West Gulf Coastal Plain of Texas and therefore occurs on numerous Cenozoic sedimentary formations and some Cretaceous formations of the Mesozoic era. These formations range from sandstone, shale, alluvium, and conglomerate, to marl, with glauconitic formations (Weches) and tuffaceous formations (Catahoula) present.

Landform

The system occurs over a wide variety of landforms, with drier expressions occurring on hilltops and ridges. It occupies slopes and lower landscape positions, where conditions are more mesic, and composition of the system varies across these gradients.

Landform

The system occurs over a wide variety of landforms, with drier expressions occurring on hilltops and ridges. It occupies slopes and lower landscape positions, where conditions are more mesic, and composition of the system varies across these gradients.

Soils

Numerous soil types are occupied by this system, but are generally alfisols or ultisols. Soils most commonly encountered are sands and loams.

Parent Description

This upland system forms the matrix over much of the West Gulf Coastal Plain. This is particularly the case outside of the range of *Pinus palustris* (longleaf pine). Within the range of *Pinus palustris* (longleaf pine), the historical matrix was often dominated by that species and should be mapped as West Gulf Coastal Plain Upland Longleaf Pine Forest and Woodland (CES203.293). However, given the current patchy distribution of *Pinus palustris* (longleaf pine), the prevalence of plantings of *Pinus taeda* (loblolly pine) and *Pinus elliottii* (slash pine), and the difficulty in identifying the system on the basis of remote-sensing data, we chose to include occurrences of this more restricted system within the West Gulf Coastal Plain Pine-Hardwood Forest. The system occupies a range of topographic and edaphic conditions, replaced by other systems in areas where unique abiotic conditions result in occurrences of other, more restricted, systems. Typical pines that dominate these sites are *Pinus taeda* (loblolly pine) and *Pinus echinata* (shortleaf pine), though *Pinus palustris* (longleaf pine) may also be present to dominant, within its range. Historically, *Pinus echinata* (shortleaf pine) dominated drier sites, especially to the north. *Pinus taeda* (loblolly pine) was less dominant than in the current landscape, and occupied less dry sites and became more conspicuous to the south. Seventy-five percent or more of the canopy of some occurrences may be occupied by pines, often *Pinus taeda* (loblolly pine). Typical deciduous hardwoods conspicuous in this system include *Liquidambar styraciflua* (sweetgum), *Carya texana* (black hickory), *Quercus stellata* (post oak), *Quercus falcata* (southern red oak), *Quercus alba*

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Ecological Mapping Systems

Pineywoods: Pine Forest or Plantation

Pineywoods: Pine / Hardwood Forest or Plantation

Pineywoods: Upland Hardwood Forest

Pineywoods: Dry Pine Forest

Pineywoods: Dry Pine / Hardwood Forest and Plantation

Pineywoods: Dry Upland Hardwood Forest

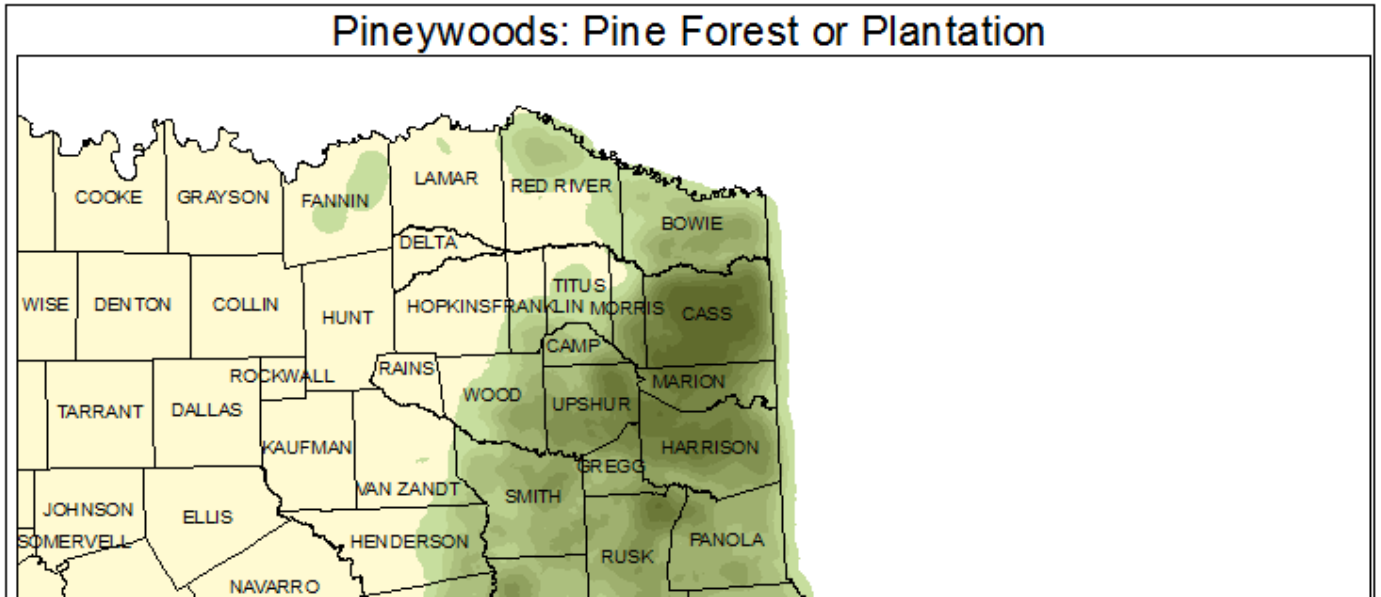
Ecological Mapping Systems

Pineywoods: Pine Forest or Plantation

Mapping System ID: 3001

This represents the typical type for the system where the canopy is dominated by pines. Many sites actually represent pine plantations and managed forests, and discriminating between natural pine forest and plantation is problematic using our mapping methods. More than half of the area mapped for this system is represented by this vegetation type, and *Pinus taeda* (loblolly pine) predominates.

Distribution Map



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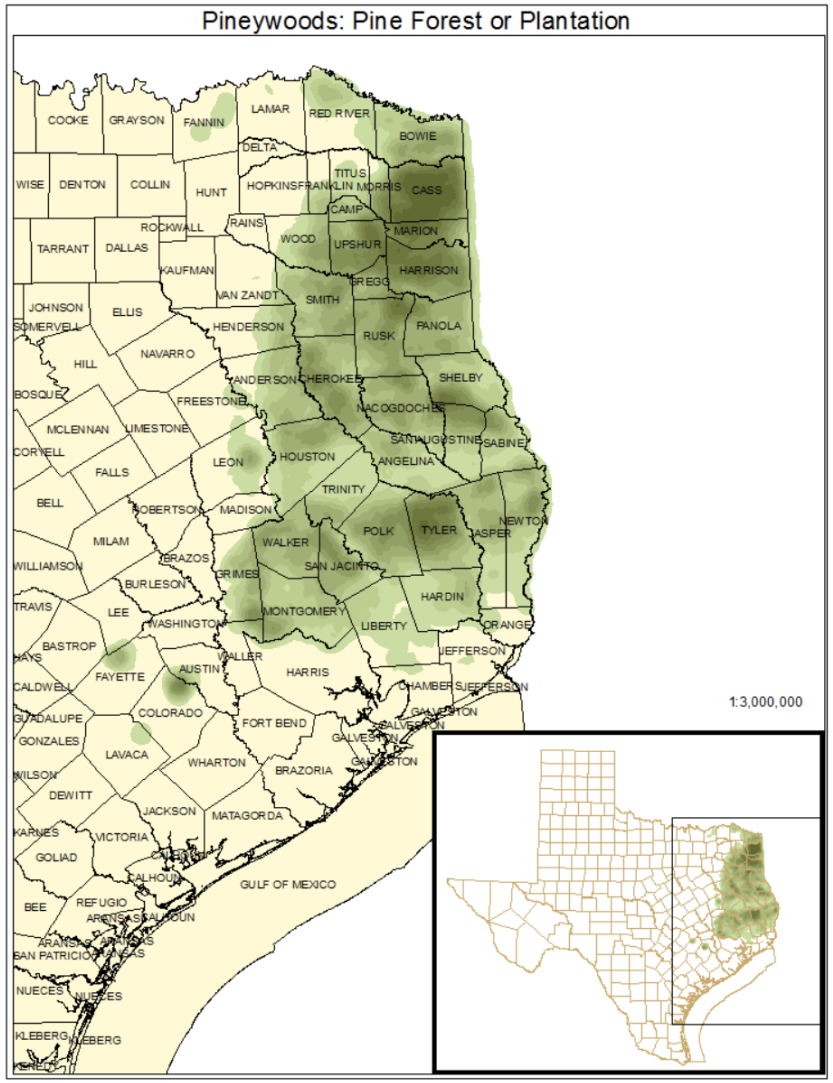
(loblolly pine) predominates.

Distribution Map



Photos

Photos

Public Land Occurrence

- Angelina National Forest: USDA Forest Service
- Big Thicket National Preserve: US National Park Service
- Caddo National Grasslands Wildlife Management Area: Texas Parks and Wildlife Department
- Davy Crockett National Forest: USDA Forest Service
- Sam Houston National Forest Wildlife Management Area: Texas Parks and Wildlife Department
- Sabine National Forest: USDA Forest Service

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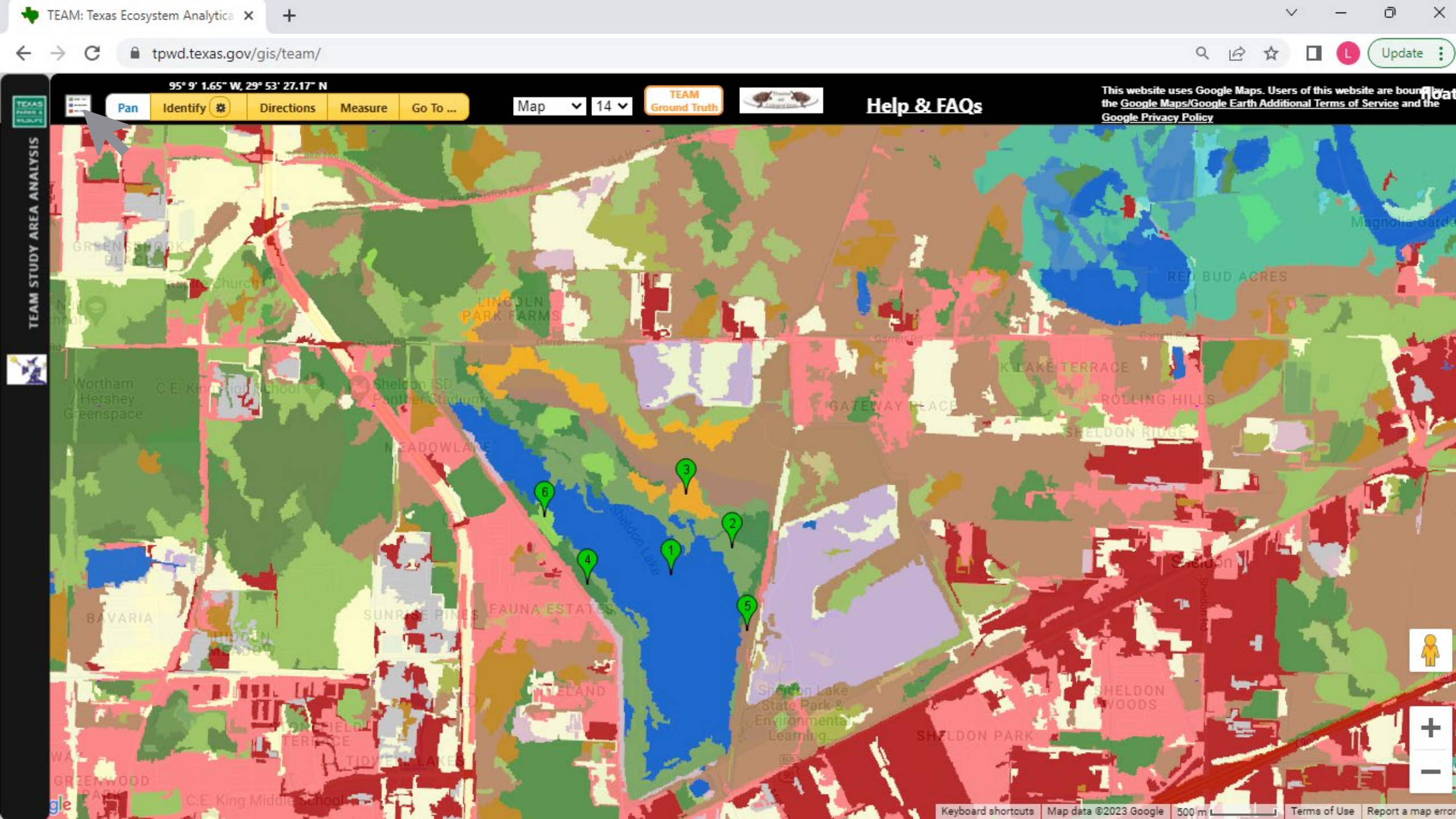
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SHELDON RIDGE
MEADOWLAKE
BAVARIA
SUNRISE PINES
FAUNA ESTATES
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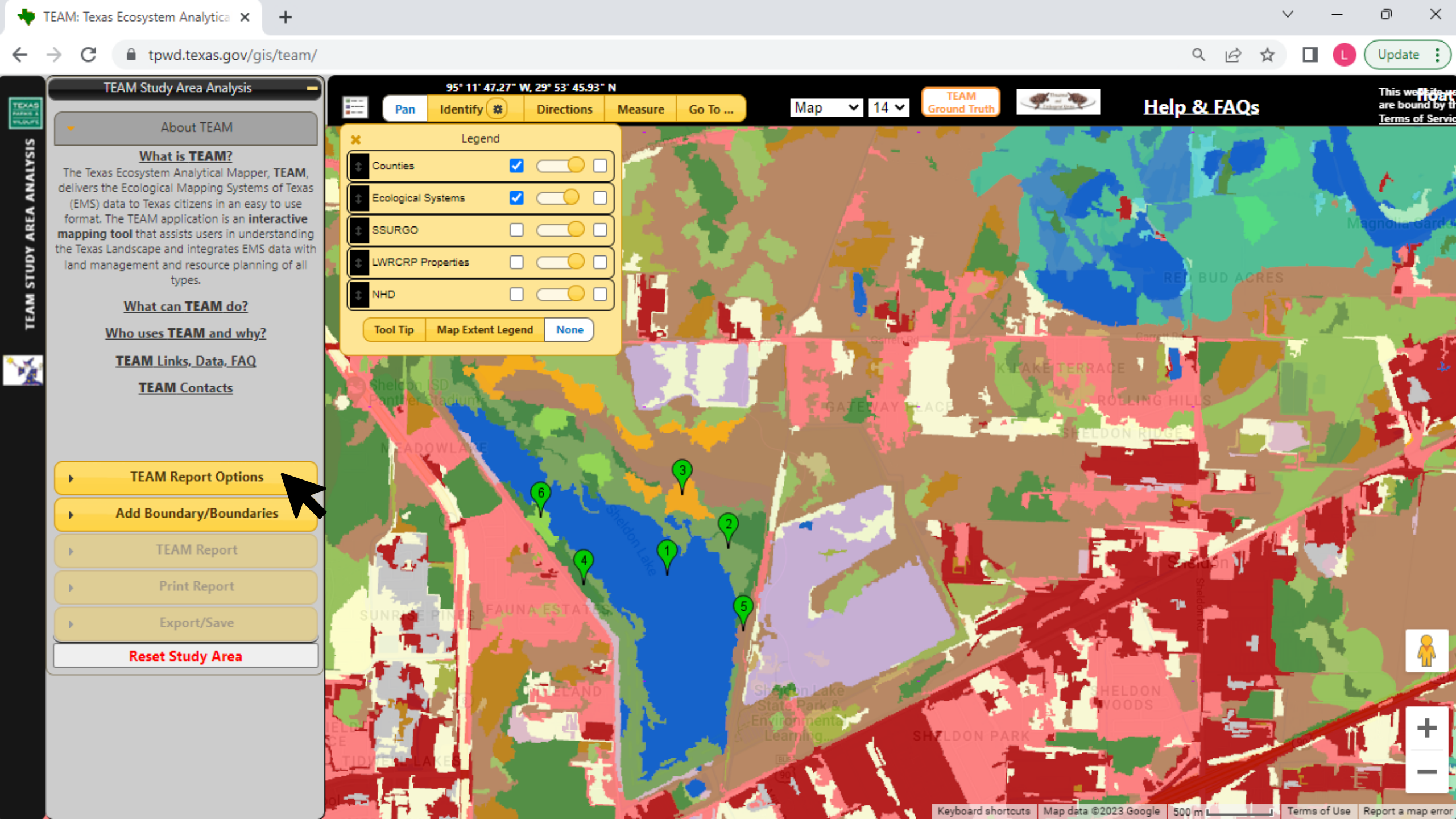
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About TEAM
What is TEAM?
The Texas Ecosystem Analytical Mapper, TEAM, delivers the Ecological Mapping Systems of Texas (EMS) data to Texas citizens in an easy to use format. The TEAM application is an interactive mapping tool that assists users in understanding the Texas Landscape and integrates EMS data with land management and resource planning of all types.
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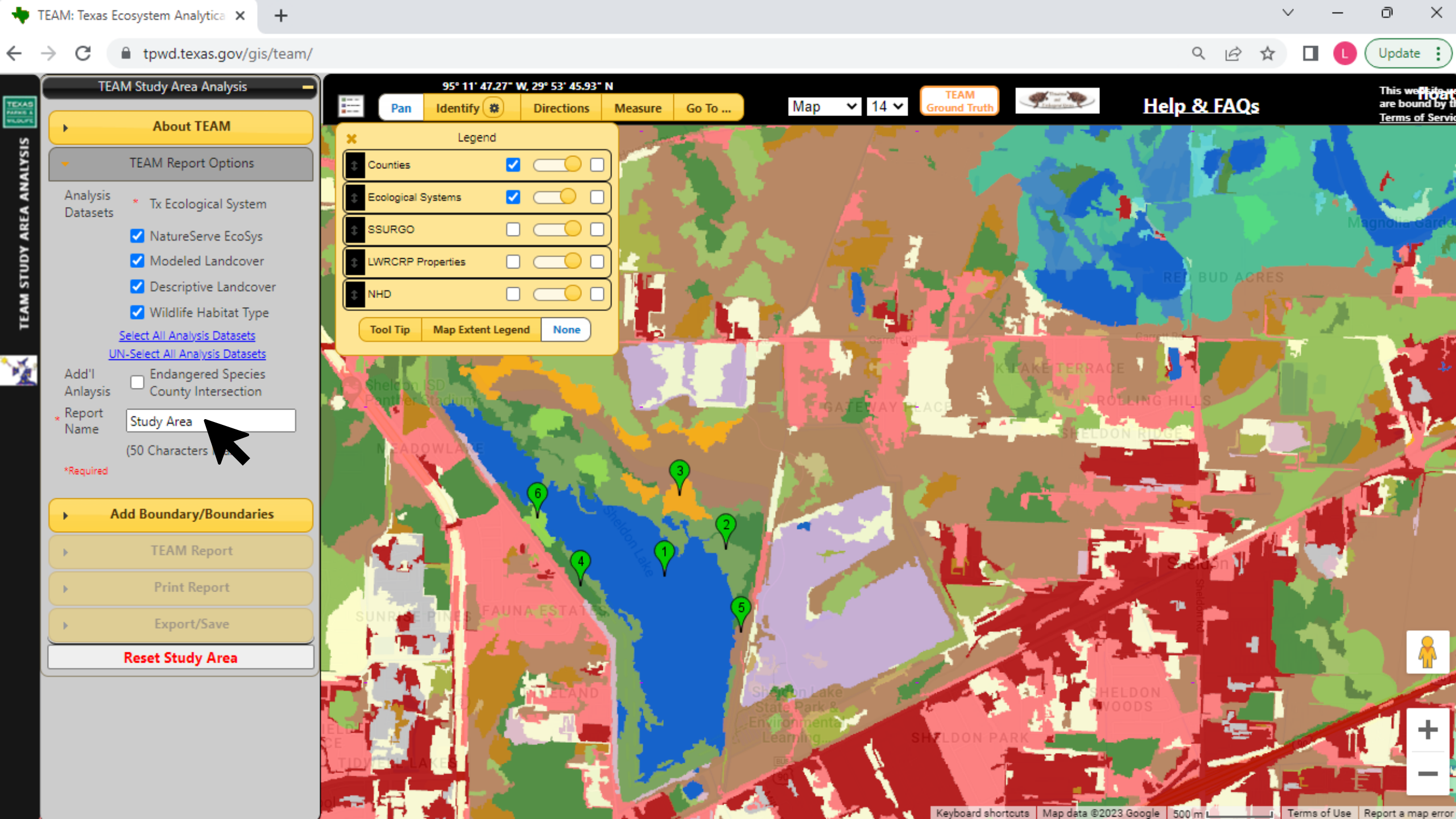
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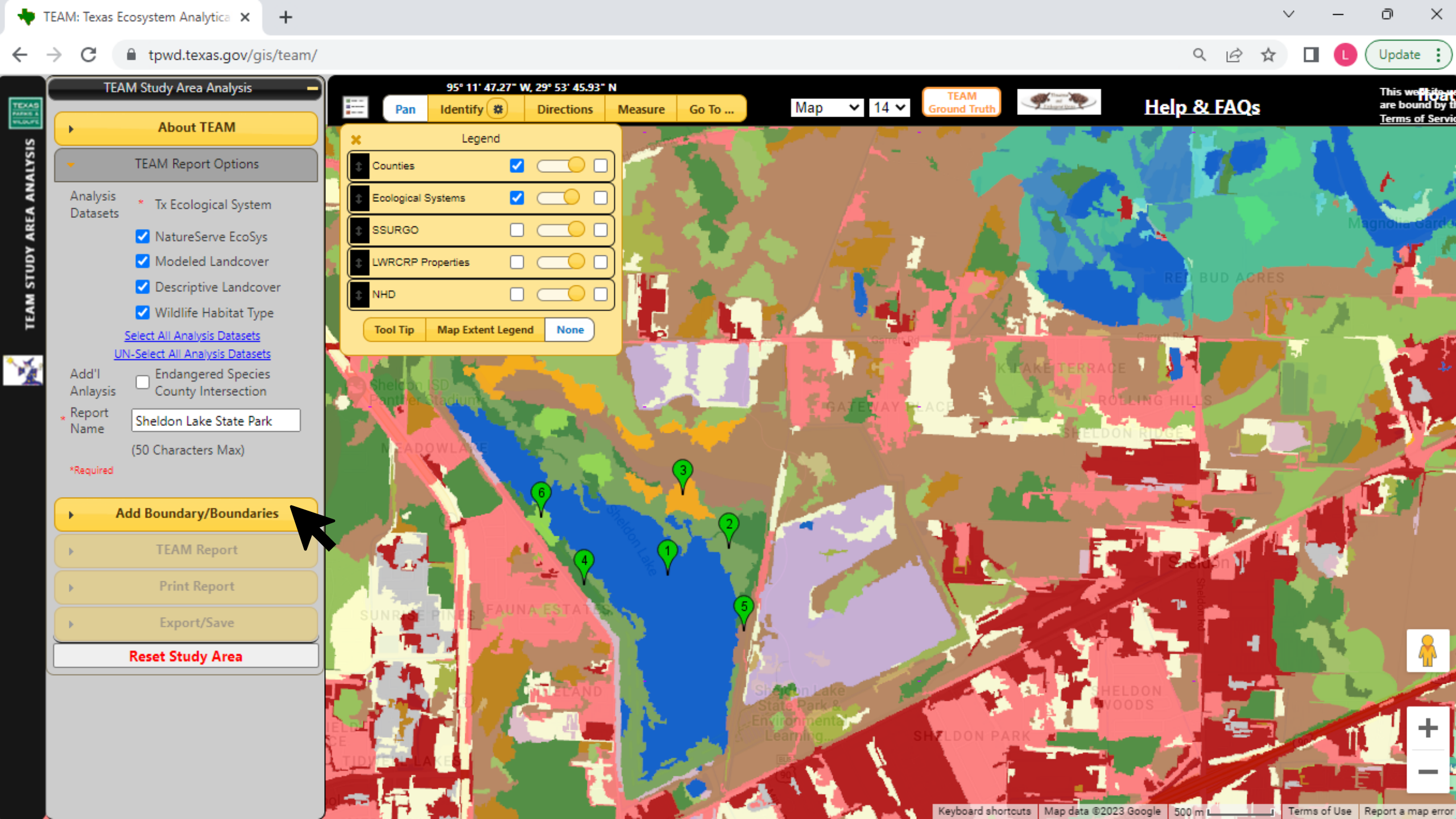
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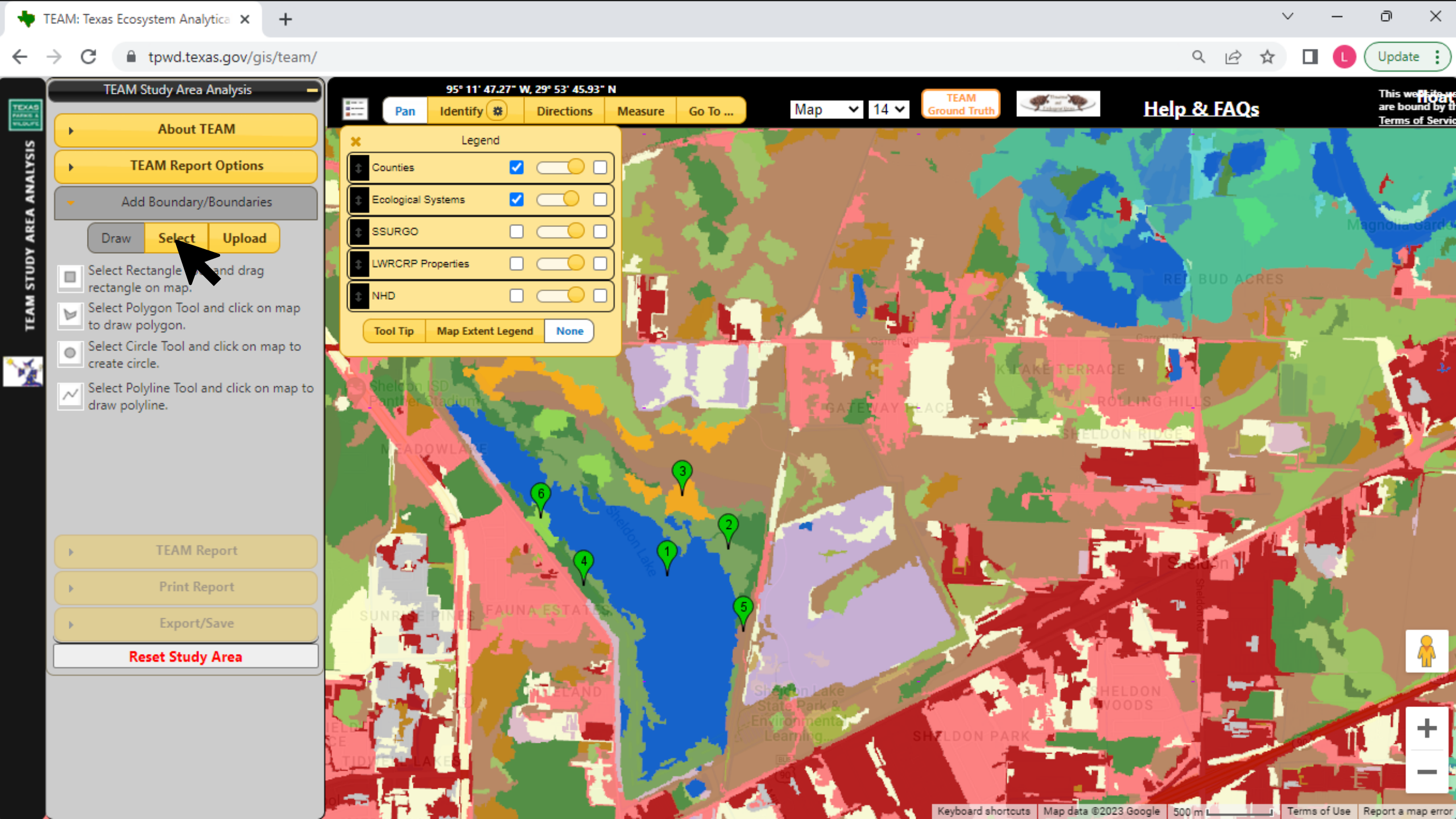
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Select Polyline Tool and click on map to draw polyline.
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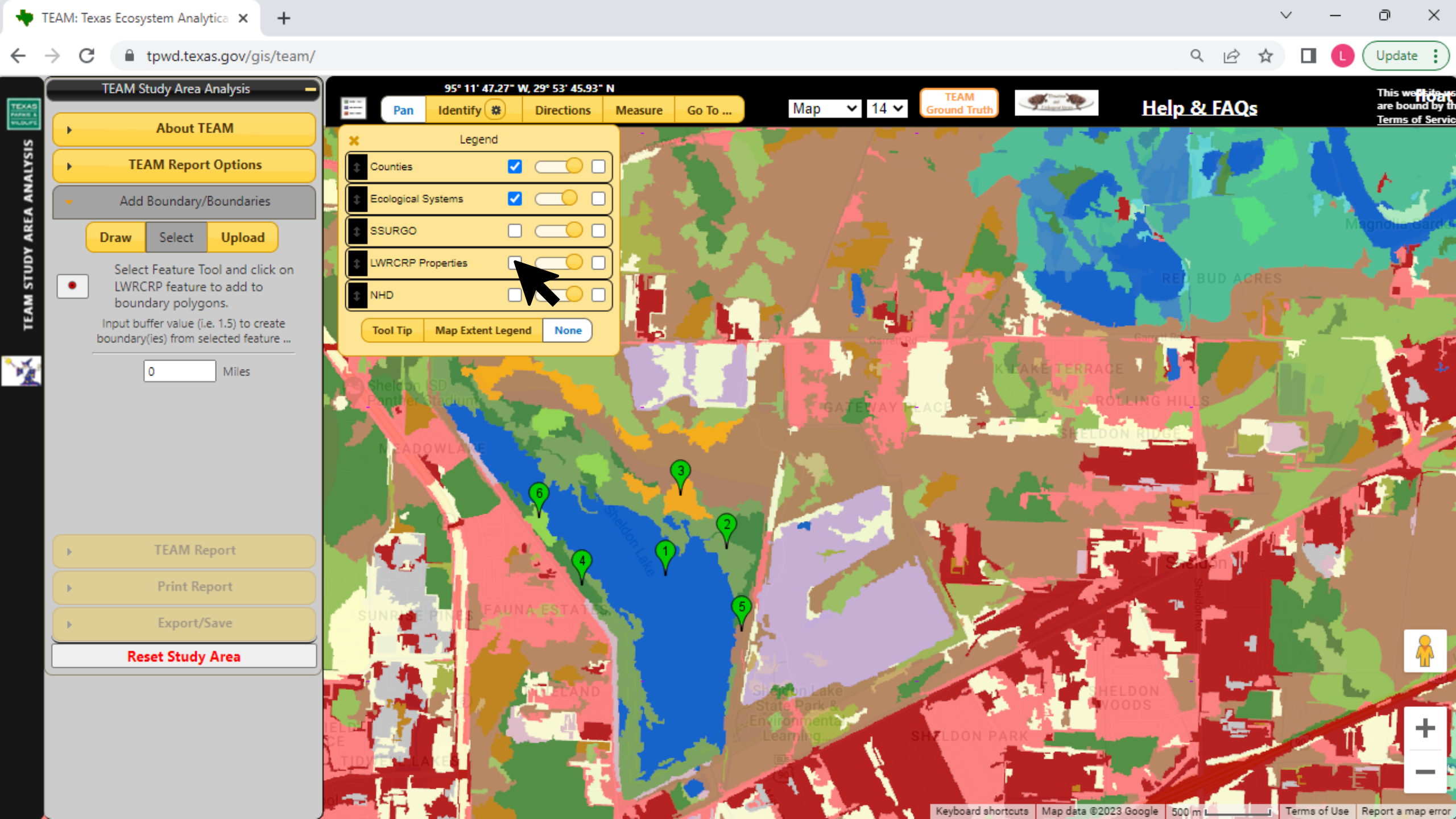
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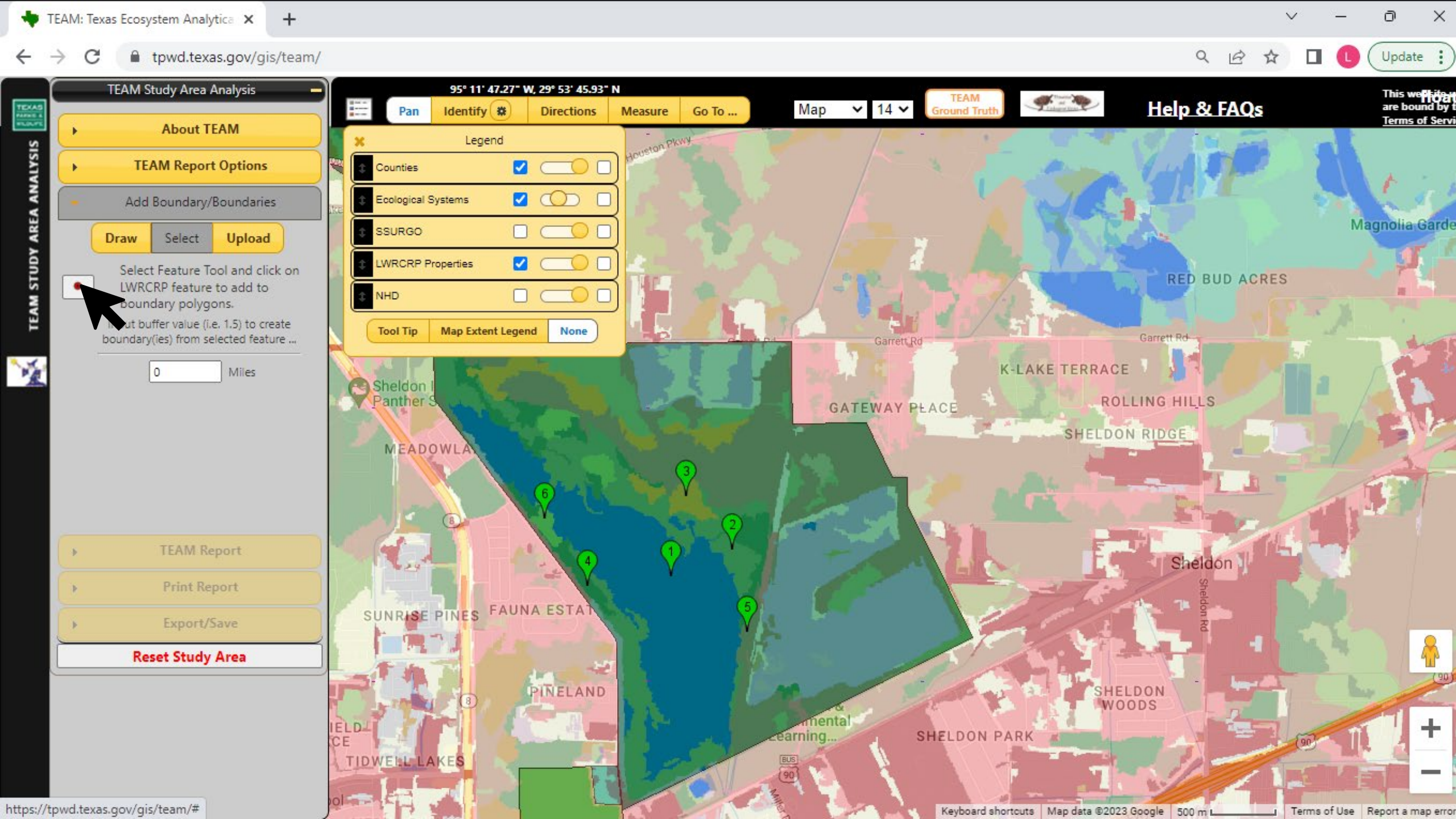
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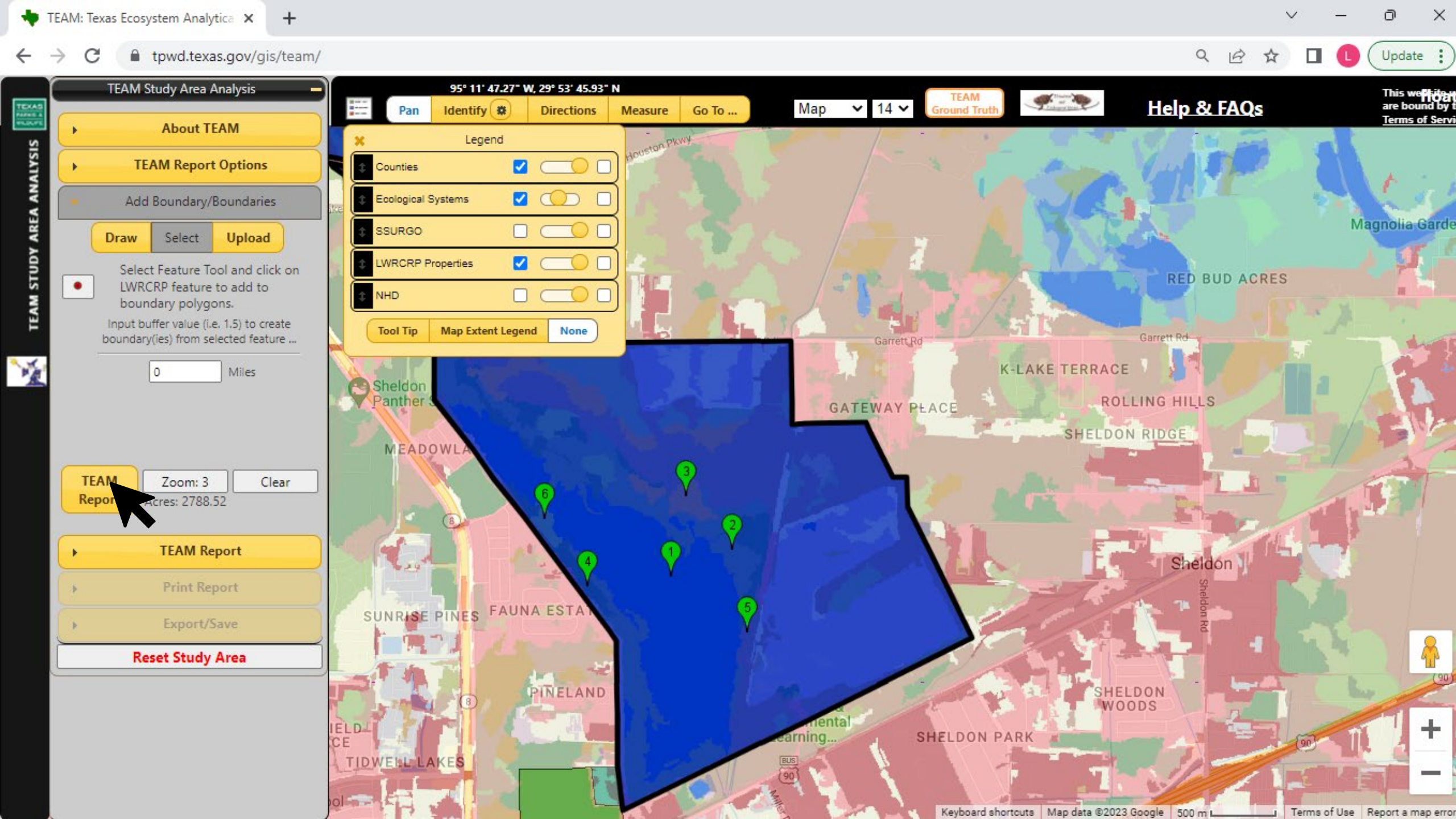
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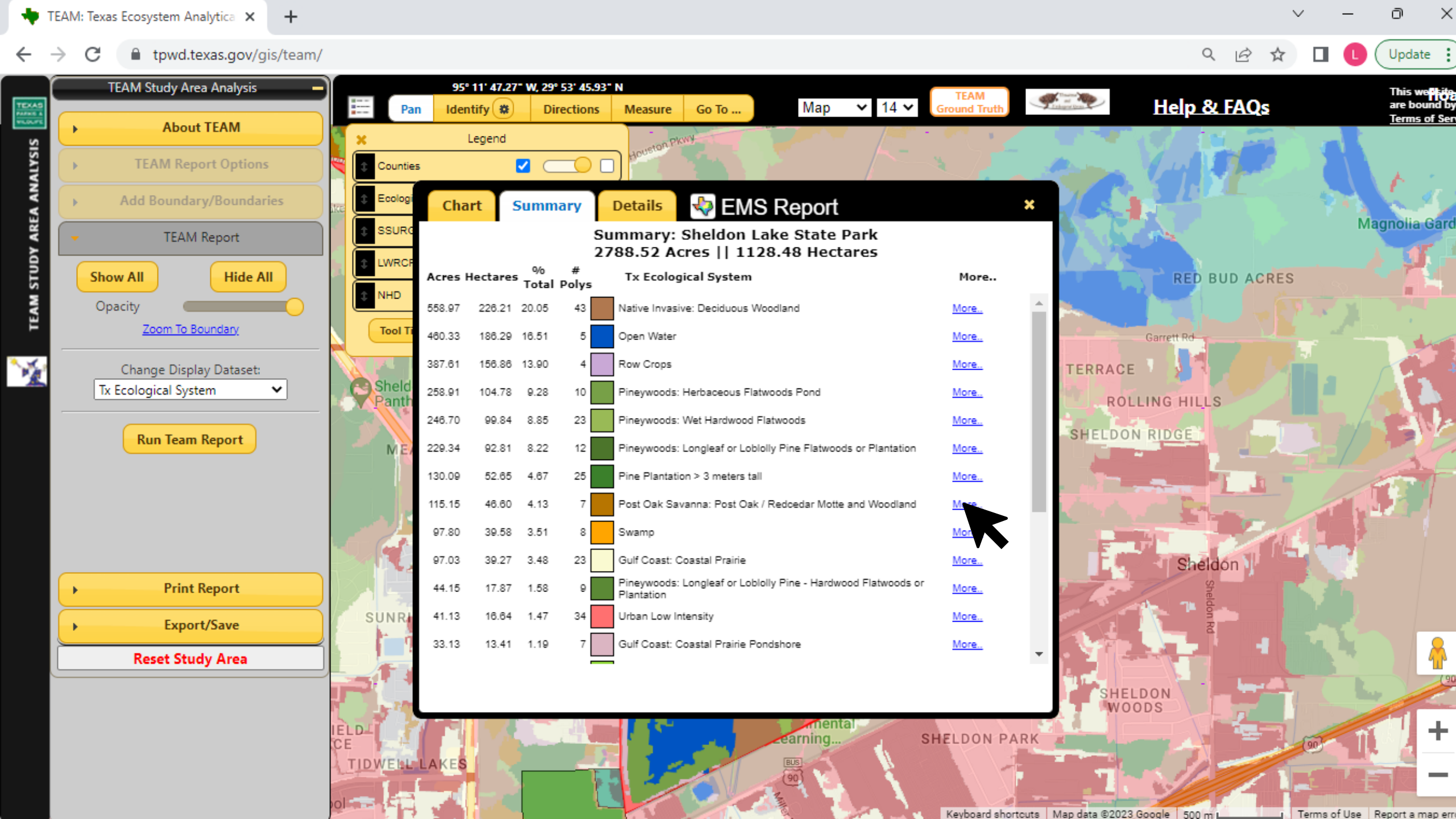
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2788.52 Acres || 1128.48 Hectares
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558.97 226.21 20.05 43 Native Invasive: Deciduous Woodland More..
460.33 186.29 16.51 5 Open Water More..
387.61 156.86 13.90 4 Row Crops More..
258.91 104.78 9.28 10 Pineywoods: Herbaceous Flatwoods Pond More..
246.70 99.84 8.85 23 Pineywoods: Wet Hardwood Flatwoods More..
229.34 92.81 8.22 12 Pineywoods: Longleaf or Loblolly Pine Flatwoods or Plantation More..
130.09 52.65 4.67 25 Pine Plantation > 3 meters tall More..
115.15 46.60 4.13 7 Post Oak Savanna: Post Oak / Redcedar Motte and Woodland More..
97.80 39.58 3.51 8 Swamp More..
97.03 39.27 3.48 23 Gulf Coast: Coastal Prairie More..
44.15 17.87 1.58 9 Pineywoods: Longleaf or Loblolly Pine - Hardwood Flatwoods or Plantation More..
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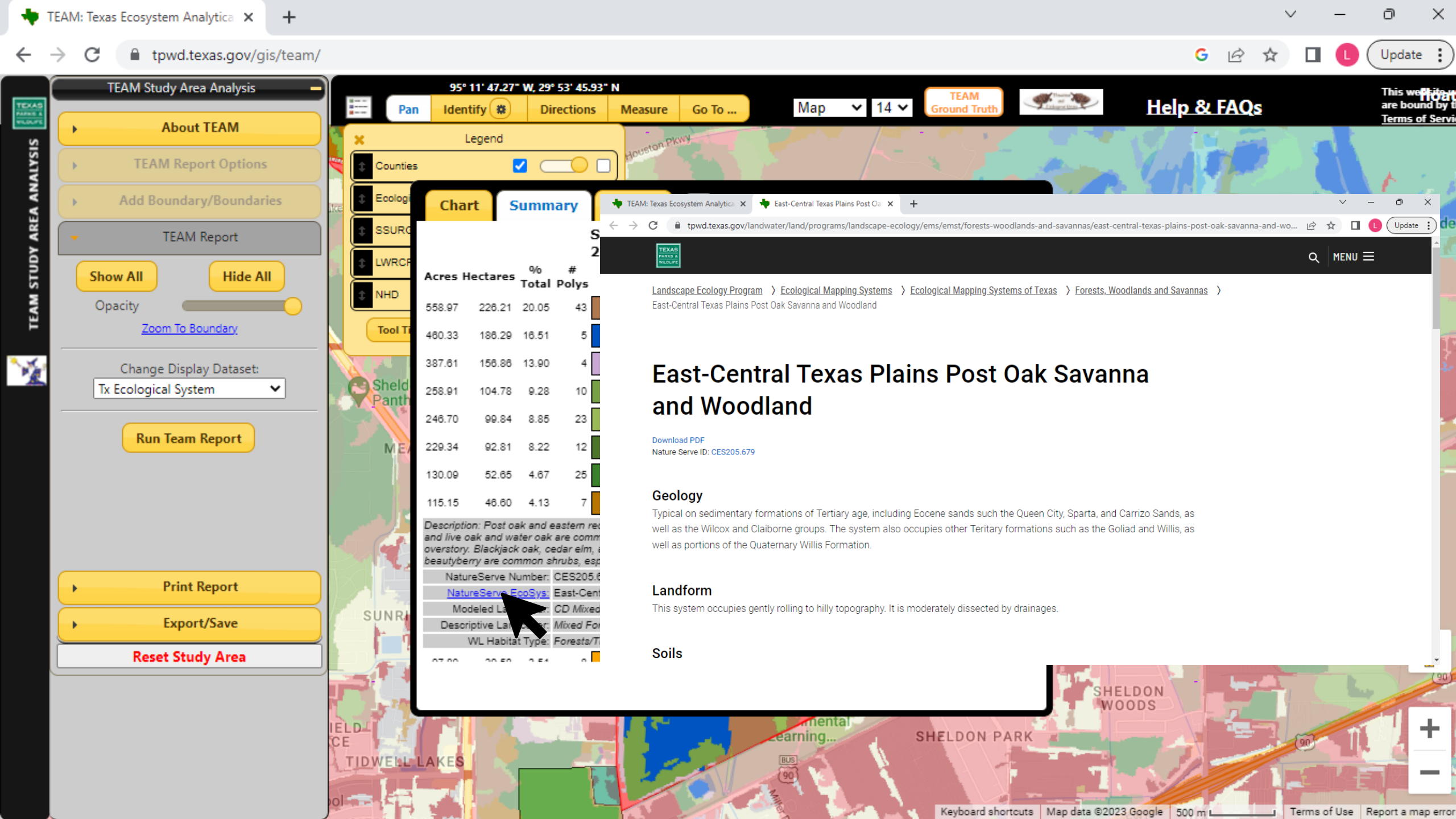
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387.61 156.86 13.90 4
258.91 104.78 9.28 10
246.70 99.84 8.85 23
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MENU
Landscape Ecology Program 〉 Ecological Mapping Systems 〉 Ecological Mapping Systems of Texas 〉 Forests, Woodlands and Savannas 〉
East-Central Texas Plains Post Oak Savanna and Woodland
East-Central Texas Plains Post Oak Savanna and Woodland
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Geology
Typical on sedimentary formations of Tertiary age, including Eocene sands such the Queen City, Sparta, and Carrizo Sands, as well as the Wilcox and Claiborne groups. The system also occupies other Teritary formations such as the Goliad and Willis, as well as portions of the Quaternary Willis Formation.
Landform
This system occupies gently rolling to hilly topography. It is moderately dissected by drainages.
Soils
SHELDON WOODS
SHELDON PARK
TIDWELL LAKES
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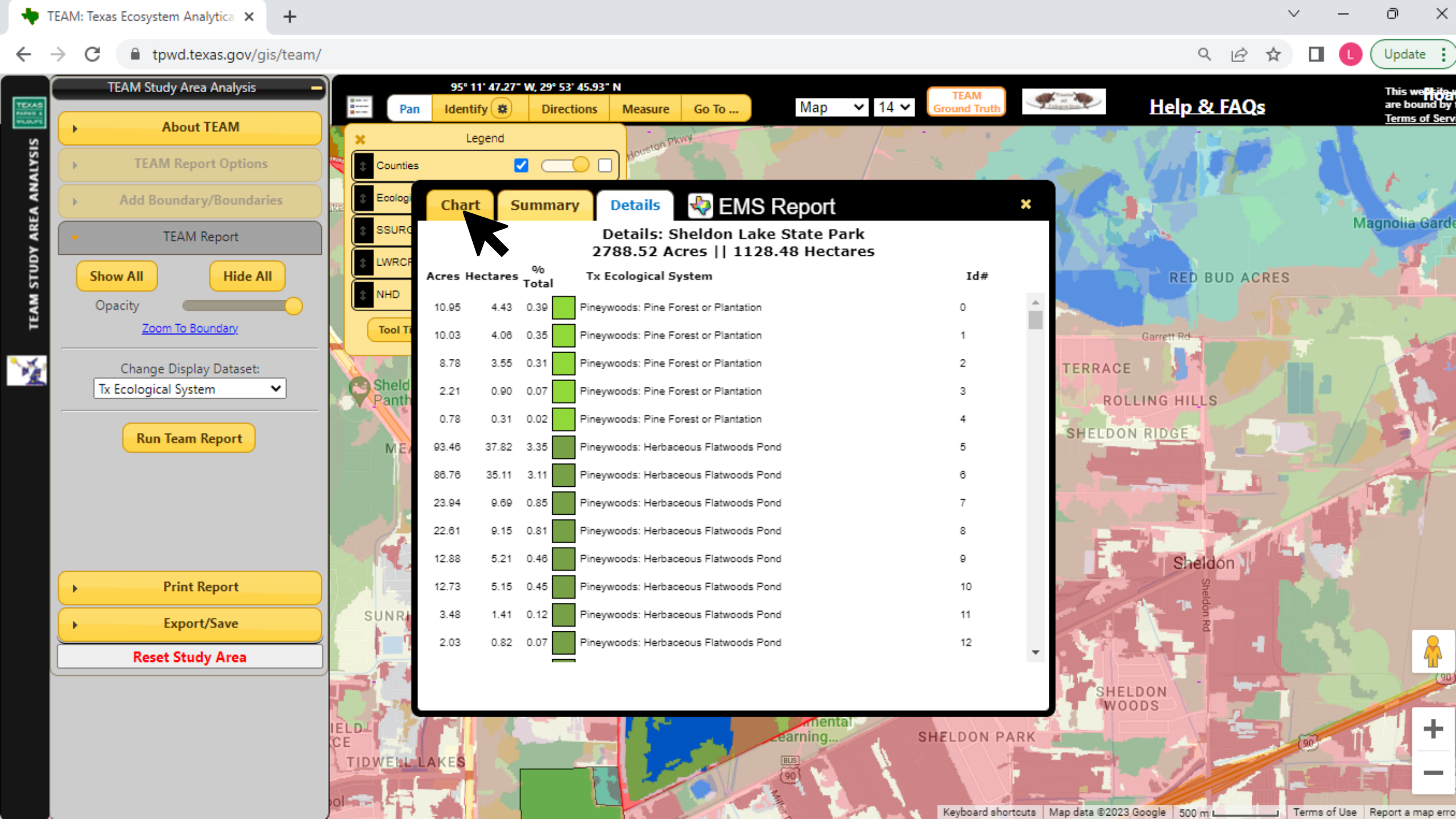
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EMS Report
Details: Sheldon Lake State Park
2788.52 Acres || 1128.48 Hectares
Acres Hectares % Total Tx Ecological System Id#
10.95 4.43 0.39 Pineywoods: Pine Forest or Plantation 0
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0.78 0.31 0.02 Pineywoods: Pine Forest or Plantation 4
93.46 37.82 3.35 Pineywoods: Herbaceous Flatwoods Pond 5
86.76 35.11 3.11 Pineywoods: Herbaceous Flatwoods Pond 6
23.94 9.69 0.85 Pineywoods: Herbaceous Flatwoods Pond 7
22.61 9.15 0.81 Pineywoods: Herbaceous Flatwoods Pond 8
12.88 5.21 0.46 Pineywoods: Herbaceous Flatwoods Pond 9
12.73 5.15 0.45 Pineywoods: Herbaceous Flatwoods Pond 10
3.48 1.41 0.12 Pineywoods: Herbaceous Flatwoods Pond 11
2.03 0.82 0.07 Pineywoods: Herbaceous Flatwoods Pond 12
RED BUD ACRES
TERRACE
ROLLING HILLS
SHELDON RIDGE
Sheldon
SHELDON WOODS
SHELDON PARK
TIDWELL LAKES
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TEAM STUDY AREA ANALYSIS

TEAM Study Area Analysis

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Show All | Hide All

Opacity

Zoom To Boundary

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Reset Study Area

95° 12' 50.3" W, 29° 52' 35.58" N

Pan | Identify | Directions | Measure | Go To ...

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TEAM Ground Truth

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Chart | Summary | Details

EMS Report

Tx Ecological System

20%

16

13.9%

8.8%

8.2%

4.7%

4.1%

3.5%

Pineywoods: Herbaceous Flatwoods Pond
258.91 (9.3%)

Tx Ecological System | NatureServe EcoSys | Modeled Landcover | Descriptive Landcover | Wildlife Habitat Type

Click dataset name to enlarge chart.

Houston Pkwy

Magnolia Garden

RED BUD ACRES

Garrett Rd

TERRACE

ROLLING HILLS

SHELDON RIDGE

Sheldon

Sheldon Rd

SHELDON WOODS

SHELDON PARK

TIDWELL LAKES

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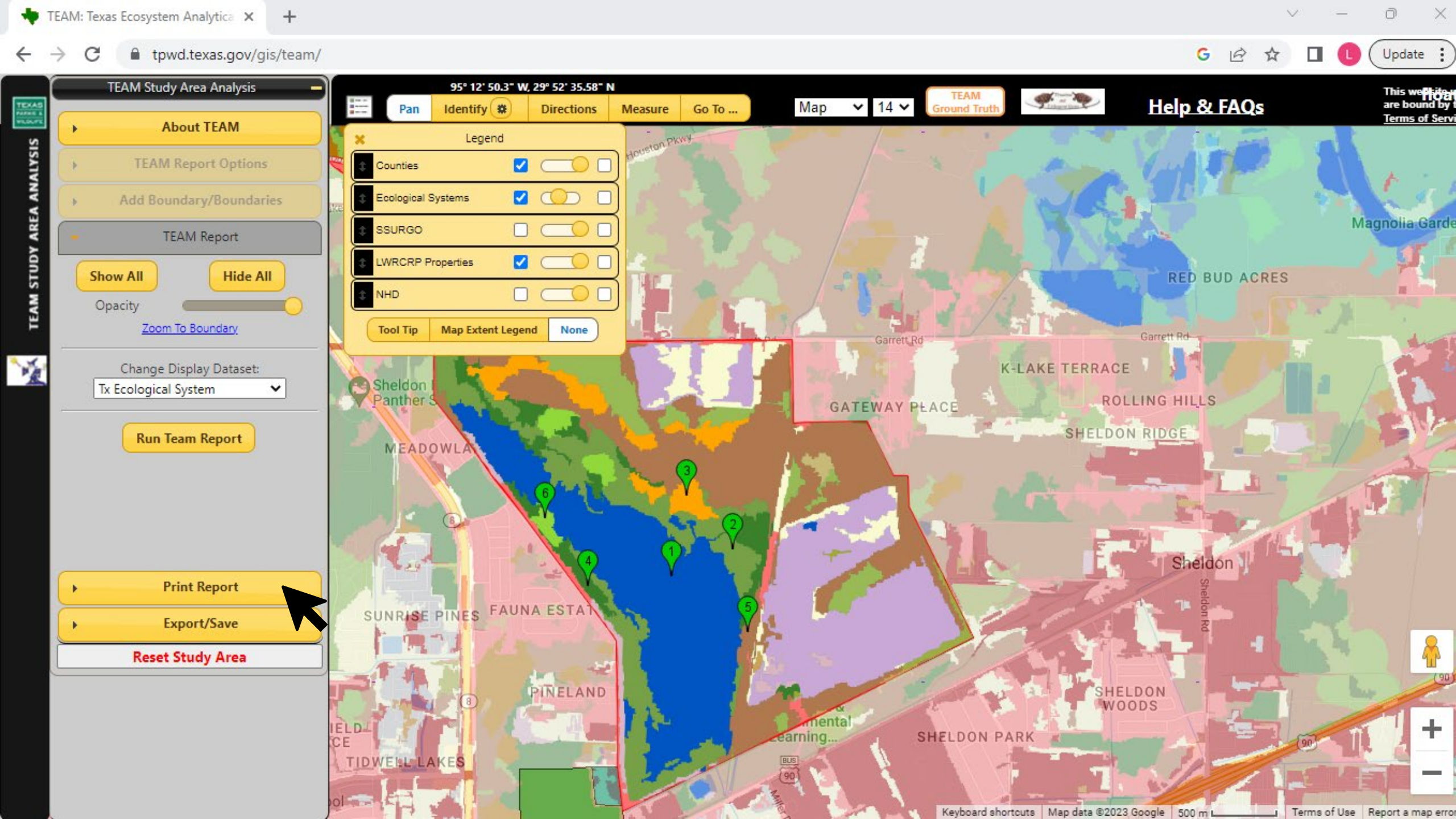
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SHELDON RIDGE
MEADOWLA
SUNRISE PINES
FAUNA ESTAT
PINELAND
TIDWELL LAKES
SHELDON WOODS
SHELDON PARK
Sheldon
Sheldon Rd
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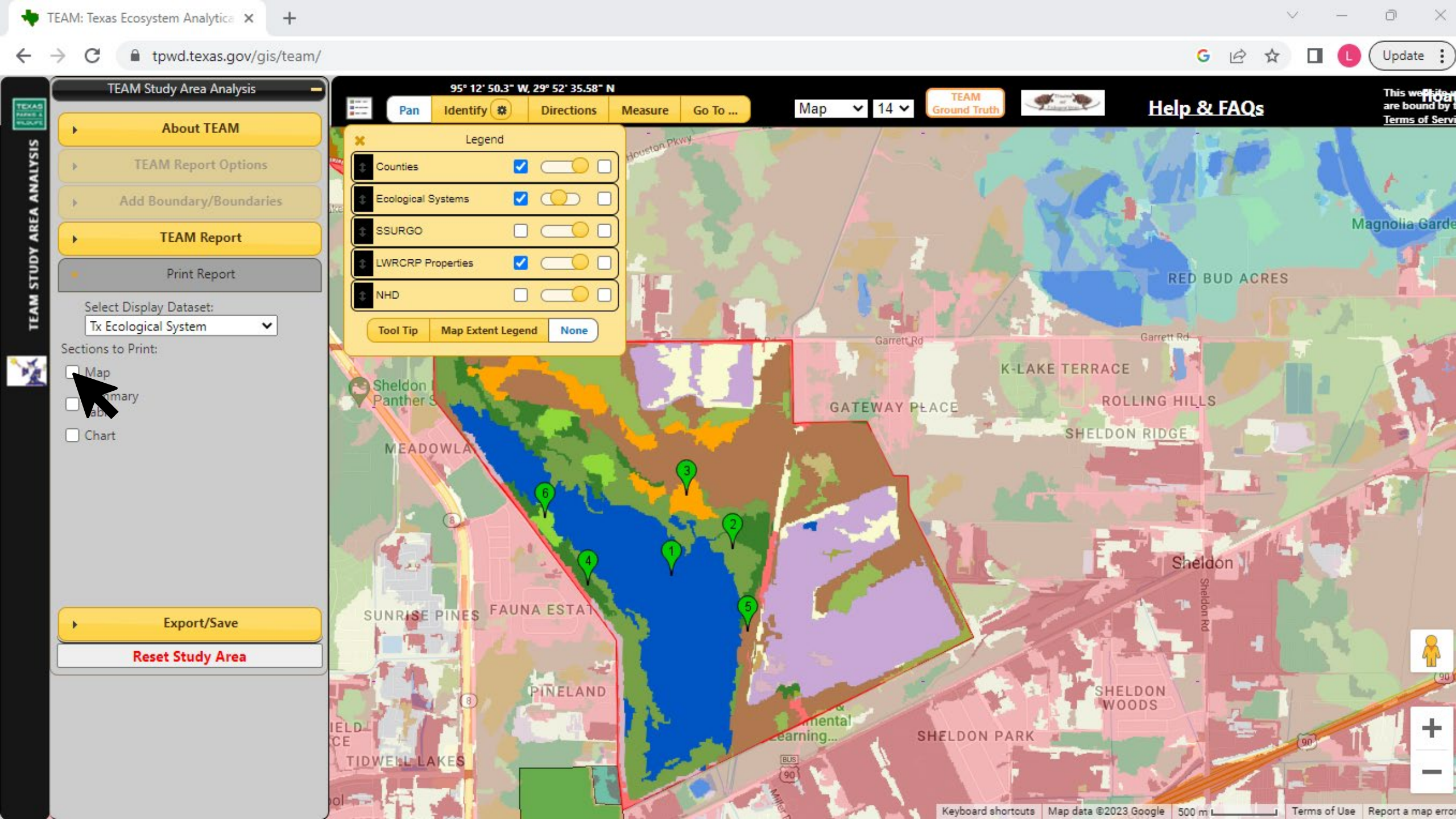
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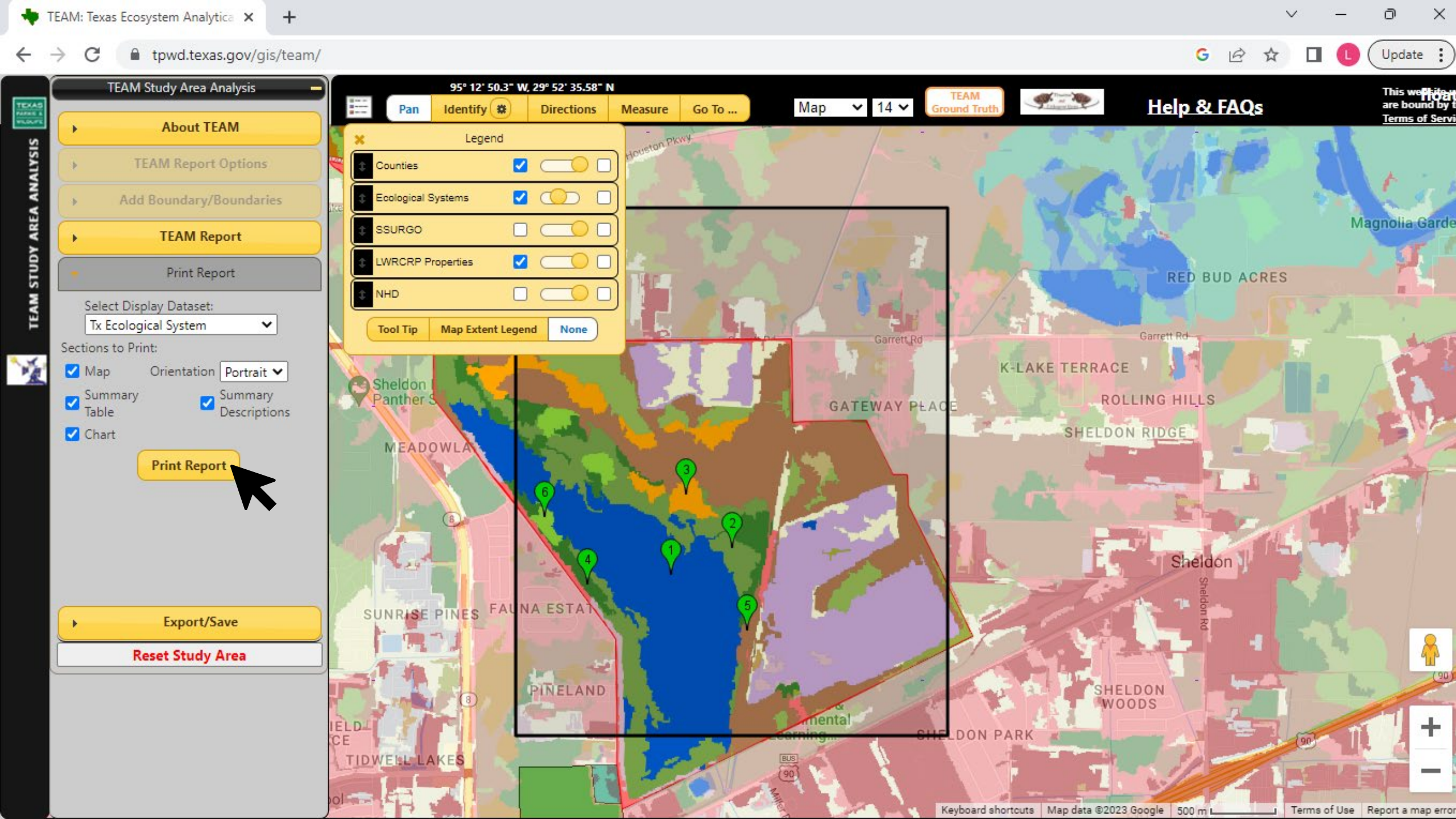
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Reset Study A

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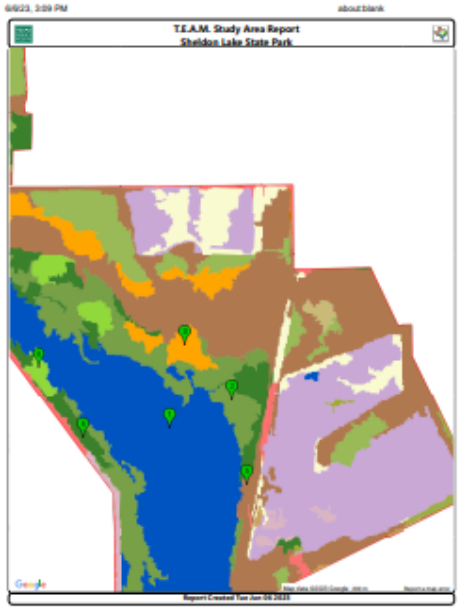

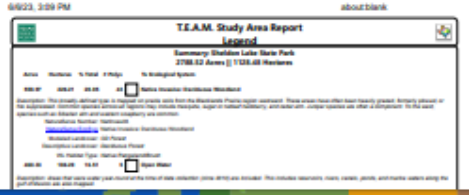

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Garrett Rd

ROLLING HILLS

Sheldon

Sheldon Rd

SHELDON WOODS

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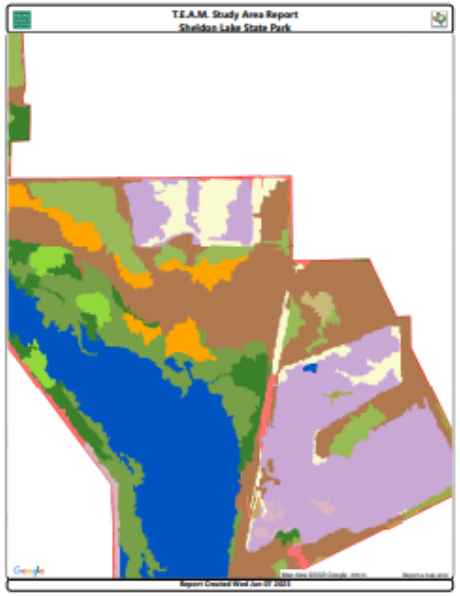

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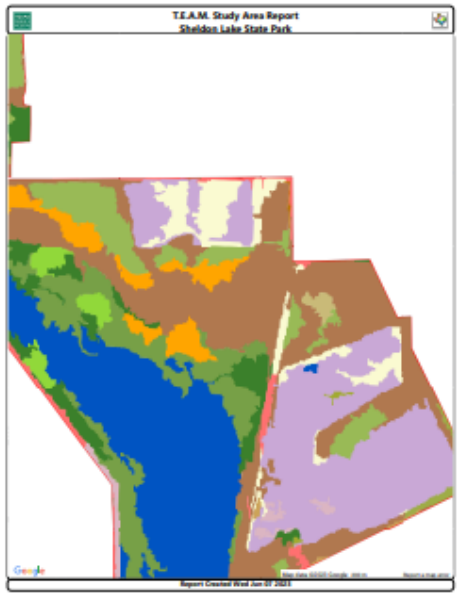

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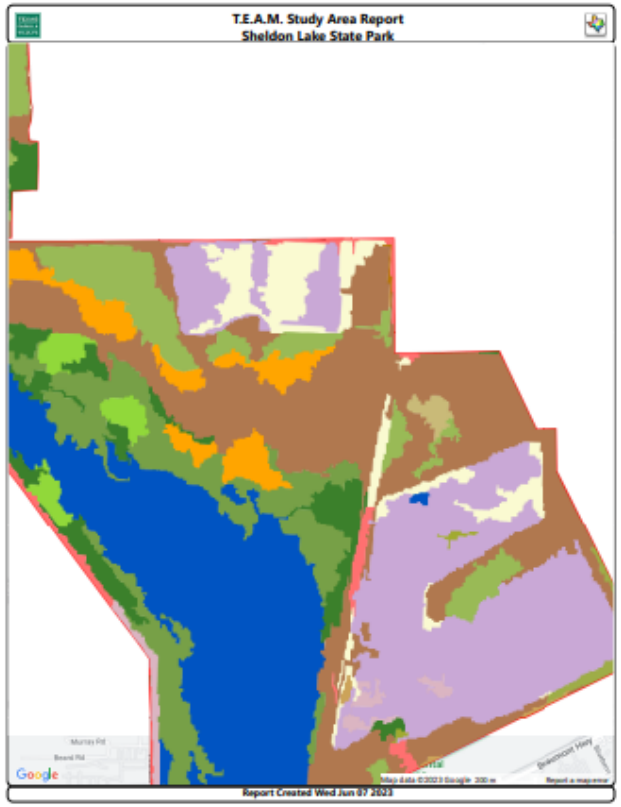

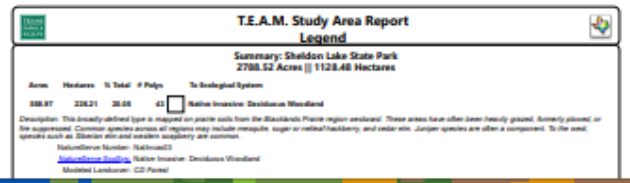

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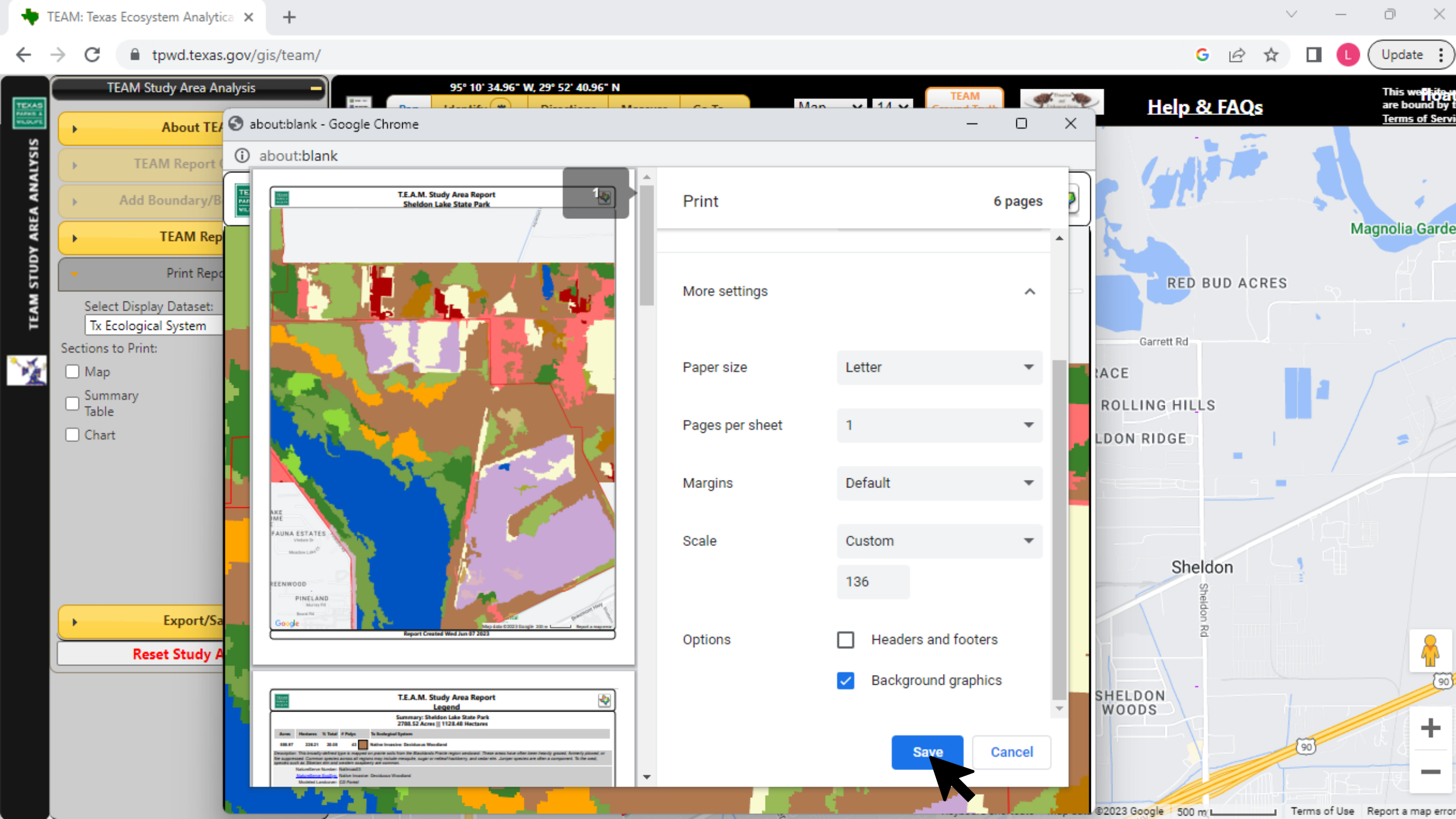
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T.E.A.M. Study Area Report
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Report Created Wed Jun 07 2023
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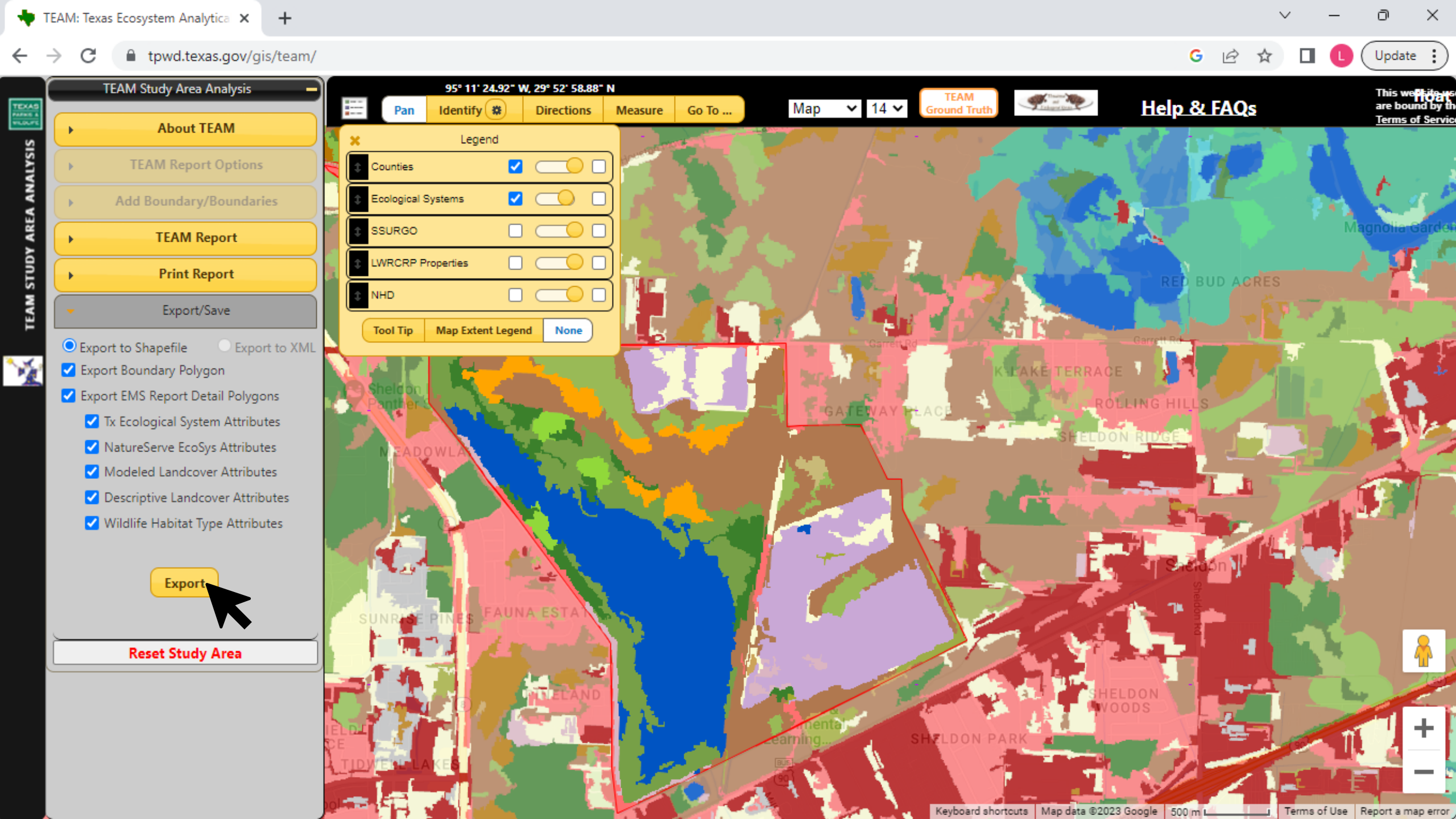
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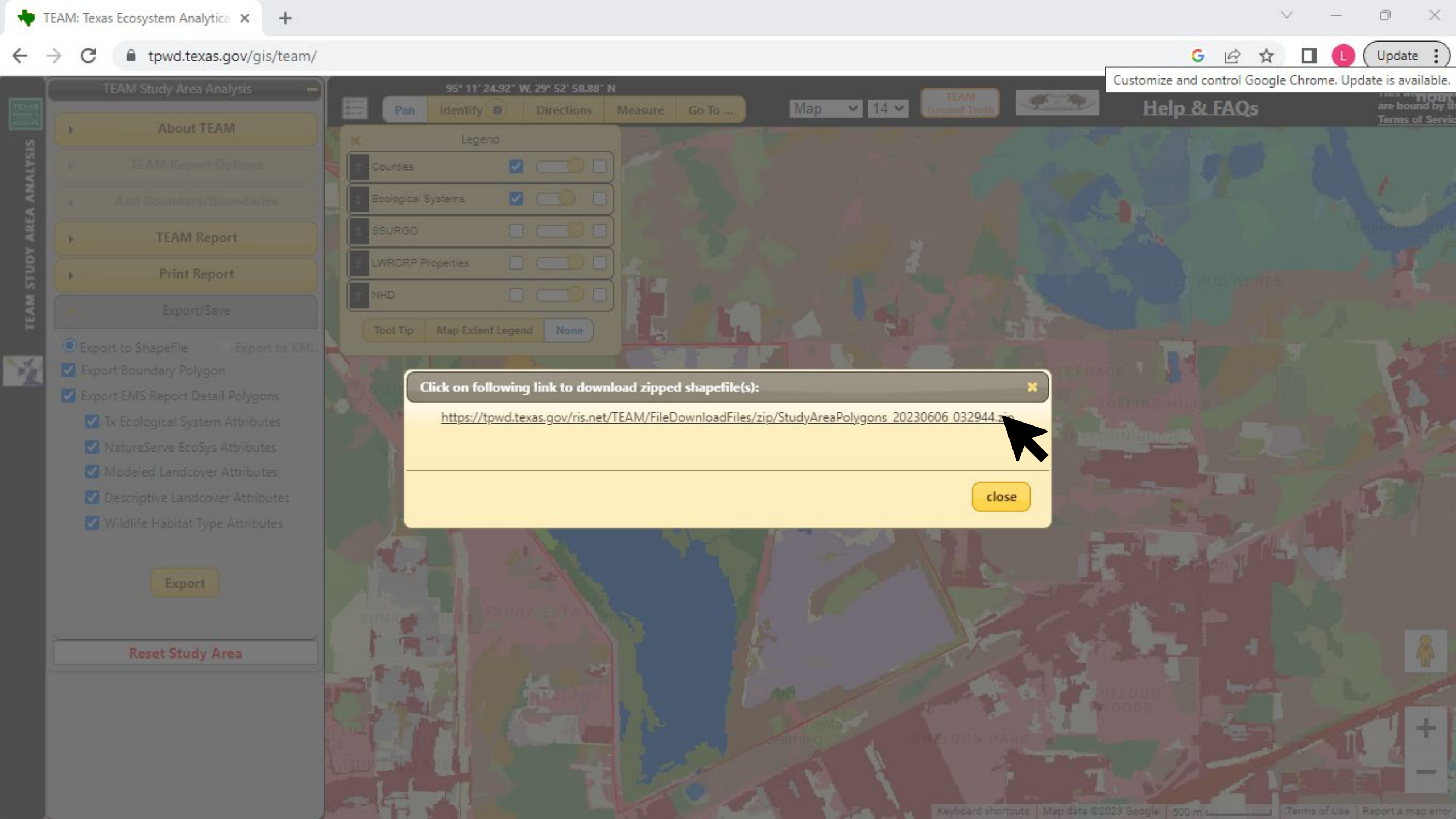
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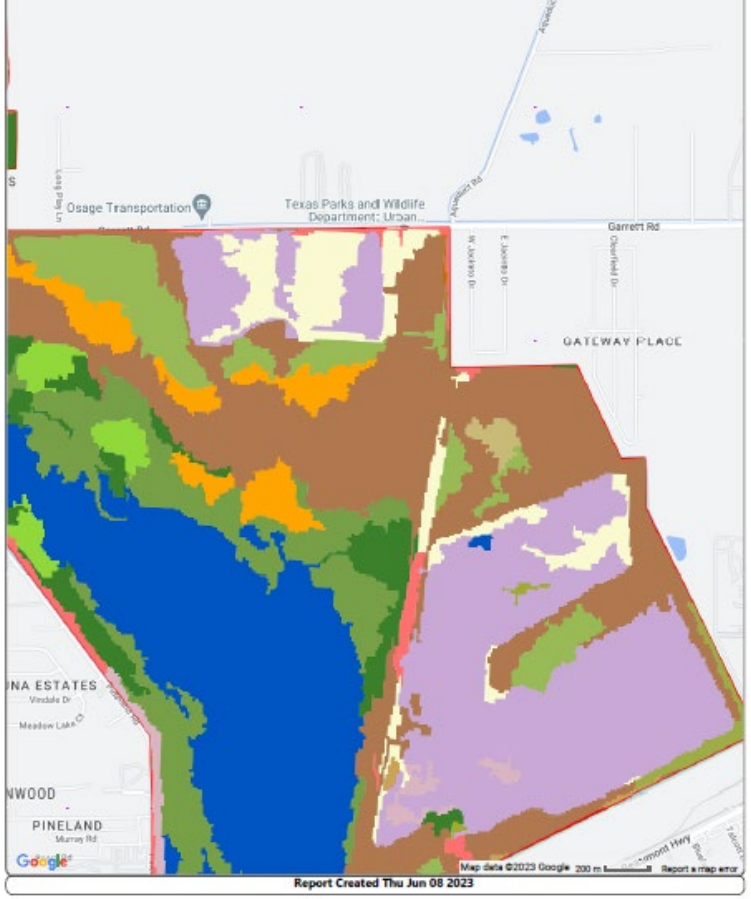
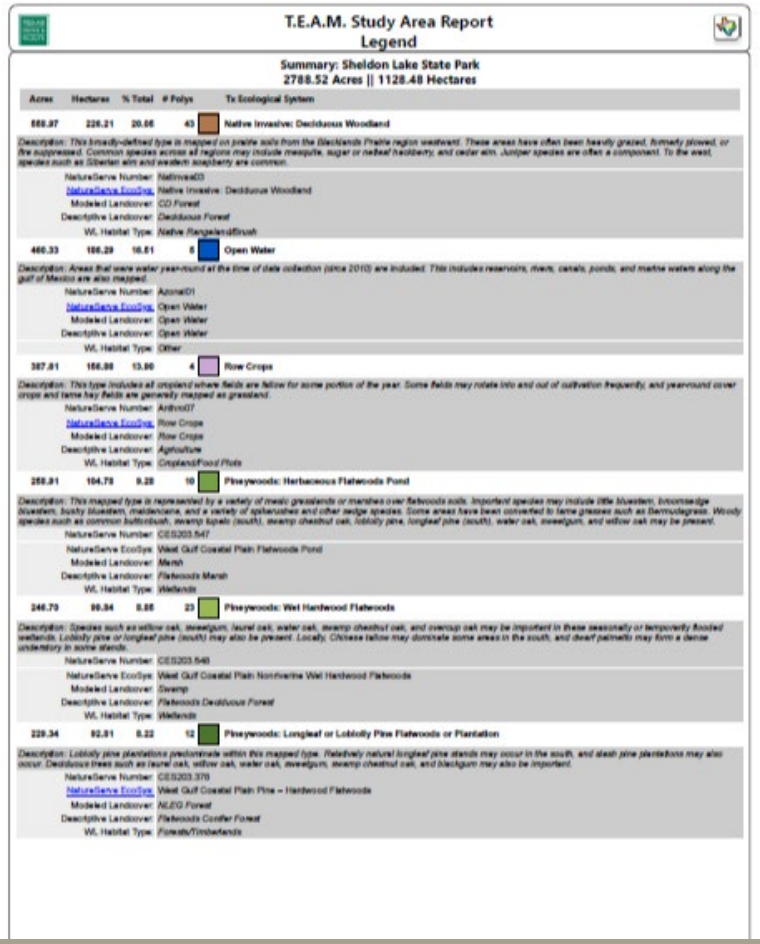
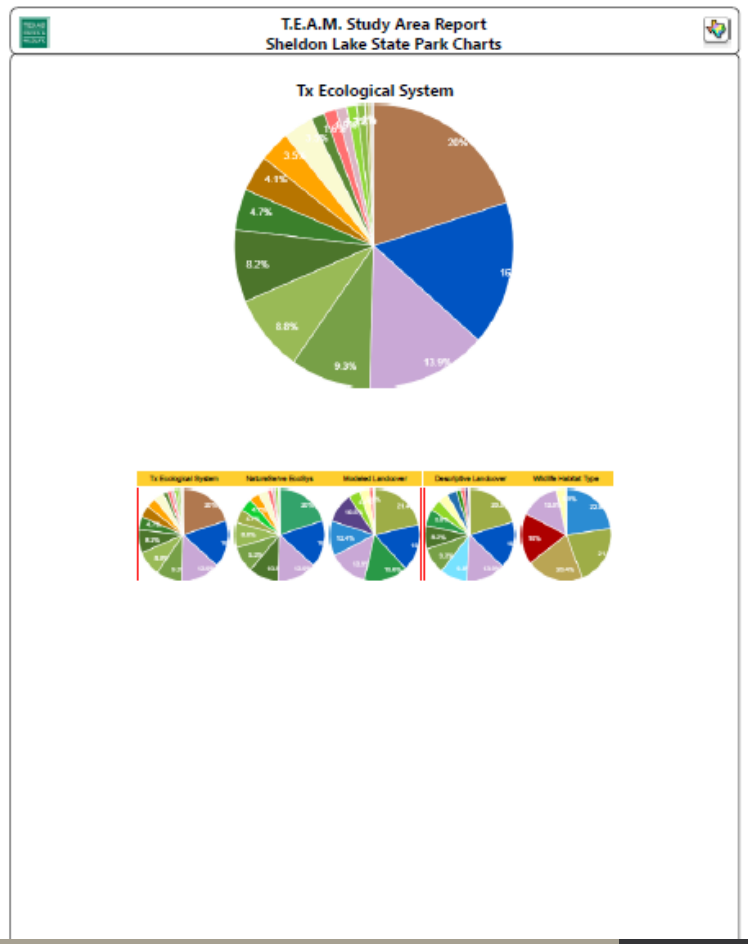




T.E.A.M. Study Area Report
Legend

Summary: Sheldon Lake State Park
2788.52 Acres || 1128.48 Hectares

Acres	Hectares	% Total	# Polys	Tx Ecological System
568.87	226.21	20.08	43	Native Invasive: Deciduous Woodland
460.33	186.29	16.51	5	Open Water
367.81	148.88	13.90	4	Row Crops
259.91	104.73	9.28	10	Pineywoods: Herbaceous Flatwoods Pond
240.79	99.94	8.66	23	Pineywoods: Wet Hardwood Flatwoods
229.34	92.81	8.22	12	Pineywoods: Longleaf or Loblolly Pine Flatwoods or Plantation



T.E.A.M. Study Area Report
Sheldon Lake State Park Charts

Tx Ecological System

The finished product!

Poll 3

What is the most relevant way you think you could personally use TEAM?

Q&A Time

Ending at 7:30 pm

Thank you for coming everyone!

TPWD Landscape Ecology Program Website

http://tpwd.texas.gov/landwater/land/programs/landscape-ecology/

TEAM application

http://tpwd.texas.gov/gis/team/ (use in Chrome Browser for all functionality)

Contact information

Laura Miksch
laura.miksch@tpwd.texas.gov