

T.E.A.M. Instruction Guide

(Texas Ecosystems Analytical Mapper)

Texas Parks and Wildlife's Landscape Ecology Program has developed a Google maps based application, Texas Ecosystem Analytical Mapper, (**TEAM**) to deliver the Ecological Mapping Systems of Texas (EMS) data to Texas citizens. The **TEAM** application is an interactive mapping tool that will assist users in understanding Texas habitats and integrate vegetation data with land management and resource planning of all types. Wildlife biologists, land managers, naturalists, planners, and conservationists are able to use **TEAM** to view and print the EMS data in relationship to other natural feature layers such as soils, geology, hydrology and ecoregions. **TEAM** allows the user to view and print custom maps and reports of habitat data from uploaded kml and shapefiles, or areas of interest drawn within the application, and also provides an avenue for community involvement via **GroundTruther** and **TeamGo**

*****Before starting make sure you have TEAM open in a GOOGLE **CHROME** browser. The majority of the application's functions work best within Chrome.

*For questions please contact the Landscape Ecology Program at:
landscape.ecology@tpwd.texas.gov*

Applications and Functions

1. **TEAM-** Texas Ecosystem Analytical Mapper, full desktop version. Has the most functionality including: view and print the EMS data in relationship to other natural feature layers, custom maps and reports of habitat data from uploaded kml and shapefiles, or areas of interest drawn within the application, and export the EMS data to a shapefile or excel table. User can also access GroundTruther from this application.
2. **TeamGo-**Mobile version of the TEAM application for use on a handheld device. Allows the user to take the EMS vegetation data with them. Limited functionality, allows the user to view vegetation with reference to their current location if desired. User can also access GroundTruther from this mobile application.
3. **GroundTruther-** A citizen science tool! Individuals can create a profile in GroundTruther, which will allow them to not only provide feedback on the accuracy of TPWD's vegetation data but also track changes in habitat due to land management or climatic events. GroundTruther is accessible in both **TEAM** and **TeamGO**

TEAM Screen Map

Map Background and
Zoom Level

County Level Endangered
Species Information

Basic Google Maps Tools

Link to TEAM Ground
Truth Application

Available Map Layers
and Display Functions

Study Area Analysis
Accordion

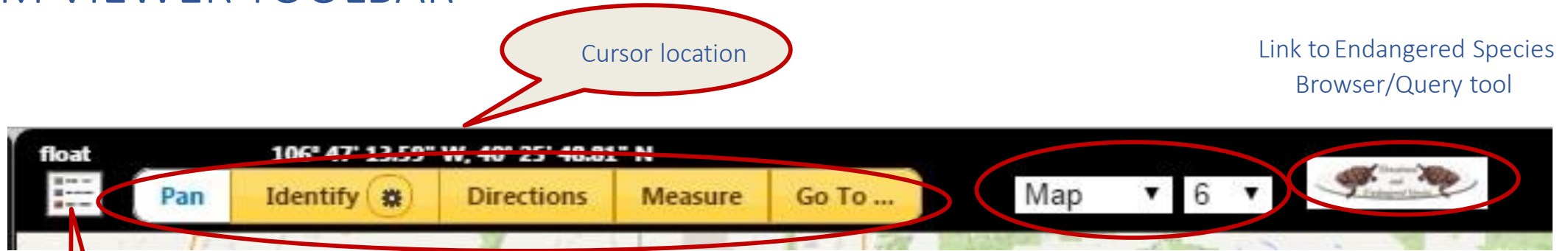
Study Area Analysis
Wizard

The screenshot displays the TEAM Screen Map interface. At the top, a browser address bar shows the URL `tpwd.texas.gov/gis/TEA`. Below the address bar, a navigation bar includes buttons for **Pan**, **Identify**, **Directions**, **Measure**, and **Go To ...**. A map style dropdown is set to **Map**, and a zoom level dropdown is set to **6**. A **TEAM Ground Truth** button is also present. On the left, a vertical sidebar labeled **TEAM STUDY AREA ANALYSIS** contains a **Legend** section with the following layers and their display status:

- Counties: ☒ (displayed)
- Ecological Systems: ☐ (hidden)
- SSURGO: ☐ (hidden)
- LWRCRP Properties: ☐ (hidden)
- NHD: ☐ (hidden)

Below the legend is an **Upload statewide Layer** button. The main map area shows a map of Texas with county boundaries highlighted in red. Major cities like Amarillo, Lubbock, Fort Worth, Dallas, Austin, San Antonio, Houston, and New Orleans are labeled. The map is overlaid with a grid. At the bottom right, there are map controls including a person icon, a zoom in (+) button, a zoom out (-) button, and a scale bar indicating 100 km. The footer text reads: **Map data ©2020 Google, INEGI 100 km Terms of Use**.

TEAM VIEWER TOOLBAR



Basic Google Maps Tools/Functions are located at the top of the application

Background image options (street map, terrain or street/satellite) and Zoom pull down

Pan allows you to shift the map image within the window without changing the scale.

Identify When applied to a feature of certain layers (by clicking it), opens a window showing feature's attributes/definitions.

Directions Allows user to get driving, walking, or bicycling directions from one place/address to another.

Measure User can measure distance/area between feature(s) in the map

Go To allows user to go back to origin of map, search for and zoom center map extent to a specific address, place or location, and allow Google maps to locate user's device and center map on current location.

Expand/Collapse
Map Legend

See below

Map Legend: Functions/Features

Map Layers currently available in the TEAM viewer: Texas Counties, Ecological Systems (Ecological Mapping Systems of Texas Data), NRCS's Soil Survey Geographic Database (SSURGO) data, TPWD's Land and Water Resources Conservation and Recreation Plan (LWRCRP) Properties, and the National Hydrologic Dataset (NHD)

Layers are turned on automatically when zoomed to a viewable extent

For current available layers scale must be as follows to view:

Counties: View at any scale

LWRCRP: View at any scale

Ecological Systems: 7 - 16

SSURGO: 14 or greater

NHD: 12 or greater

The screenshot shows the 'Legend' panel in the TEAM viewer. At the top, it displays coordinates '99° 49' 40.65" W, 31° 30' 2.53" N' and navigation buttons 'Pan', 'Identify', and 'Go To ...'. Below these are dropdown menus for 'Map' and '11'. The legend itself is a yellow panel titled 'Legend' with a close button (X). It lists five layers: 'Counties', 'Ecological Systems', 'SSURGO', 'LWRCRP Properties', and 'NHD'. Each layer has a left check box, a transparency slider, and a right check box. Callouts explain these controls: the left check box turns a layer on/off; the right check box activates the 'Swipe Tool'; and the slider sets the layer's transparency. A red circle highlights the 'NHD' layer entry. At the bottom of the legend is an 'Upload Statewide Layer' button.

99° 49' 40.65" W, 31° 30' 2.53" N

Pan Identify Go To ...

Map 11

Legend

Counties

Ecological Systems

SSURGO

LWRCRP Properties

NHD

Upload Statewide Layer

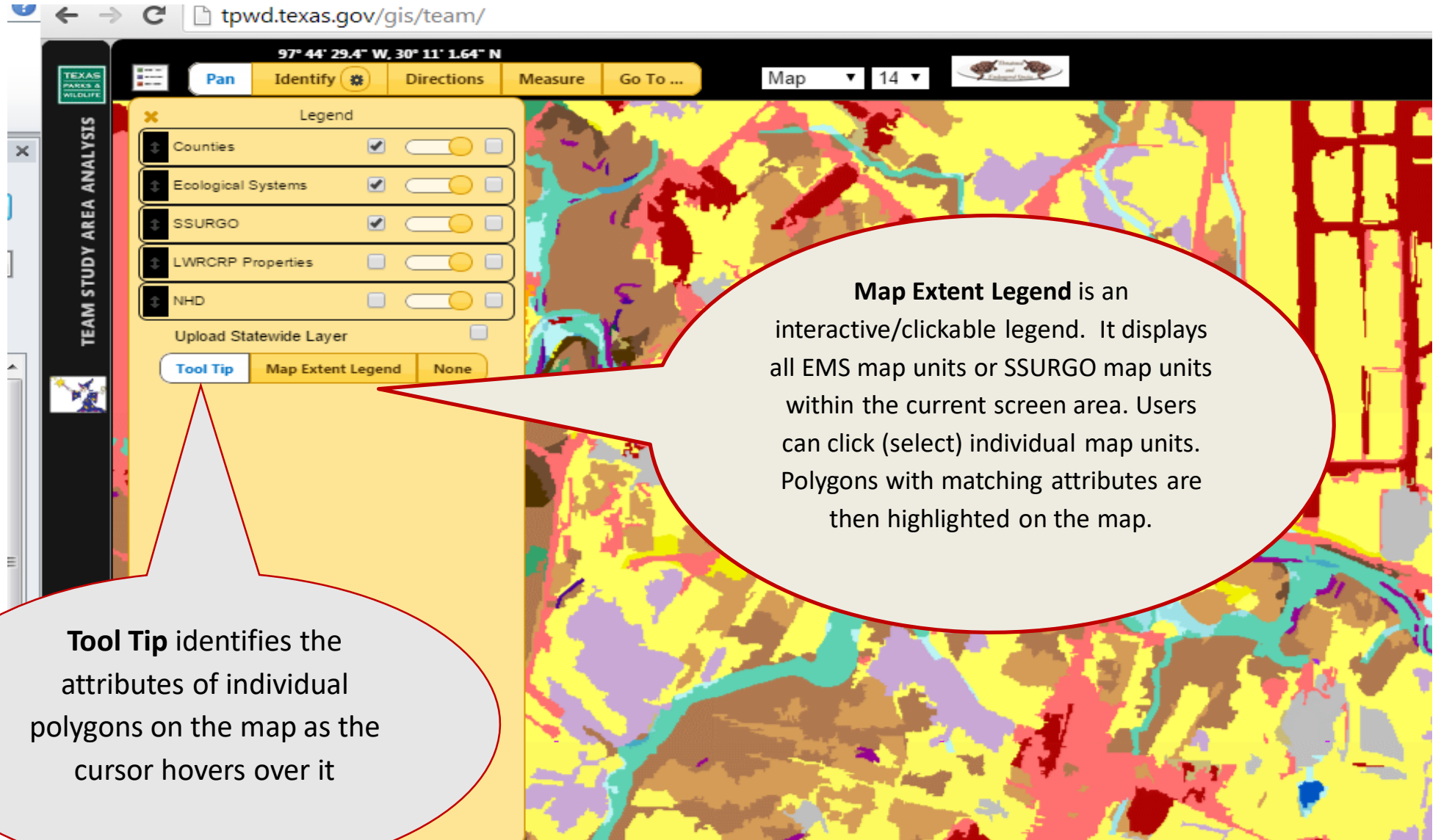
Left Check Box: turns a layer on (visible) and off

Right Check box: makes the **Swipe Tool** active for this layer. **Swipe Tool** appears as a bar on the map and allows you to move the top layer selected in order to view the data beneath it.

Slider bar sets the **transparency** of the layer. Moving the ball to the left makes the layer more transparent.

TEAM: Tool Tip and Map Extent Legend

Once zoomed in and layers are viewable, the **Tool Tip** and Map Extent Legend become active

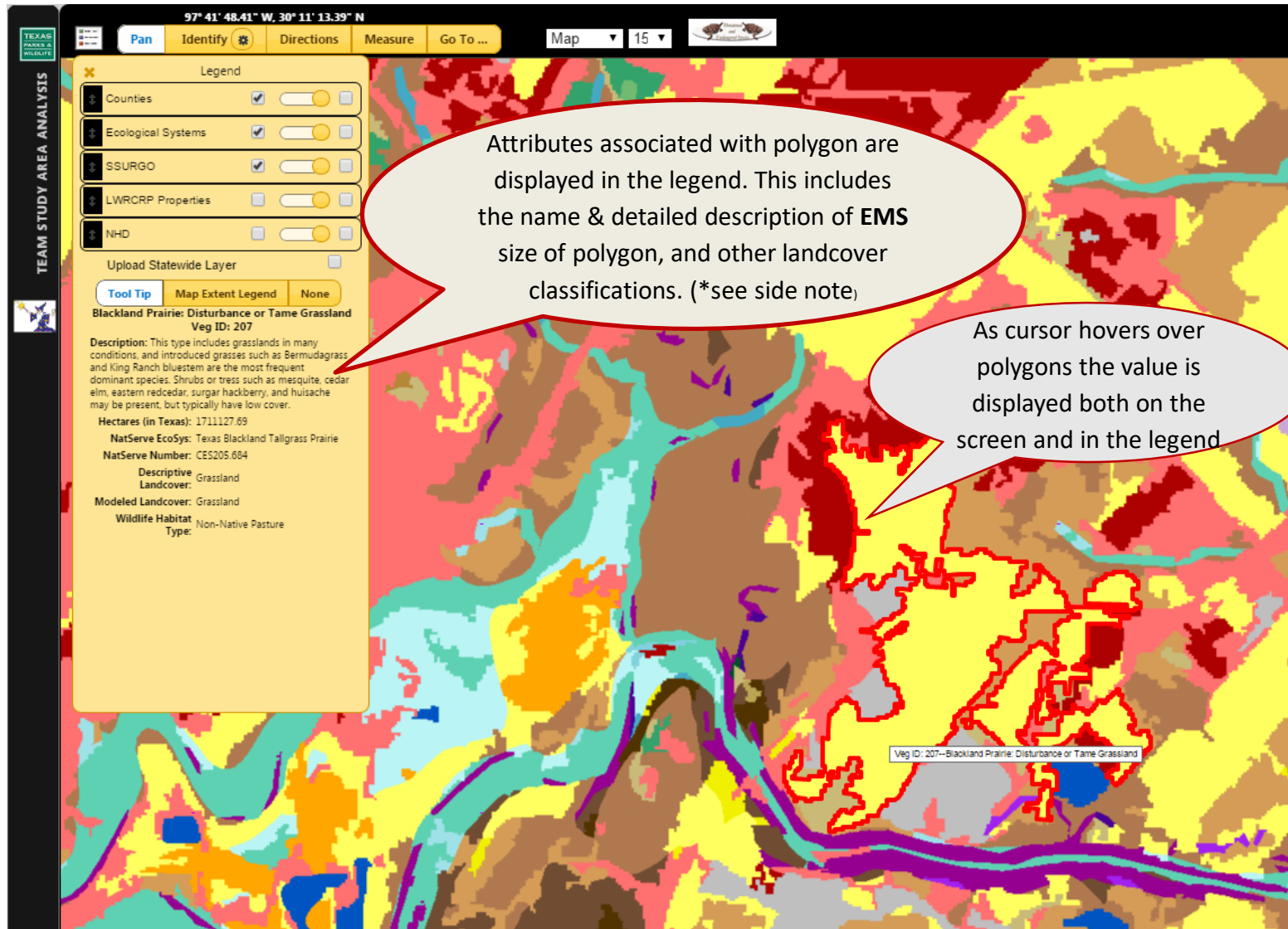


The screenshot shows the TEAM web application interface. At the top, the URL is tpwd.texas.gov/gis/team/. The map displays a colorful, pixelated landscape with various colored polygons. On the left, a vertical sidebar contains the text "TEAM STUDY AREA ANALYSIS" and a small icon of a person. The main panel features a "Legend" section with a list of layers: "Counties", "Ecological Systems", "SSURGO", "LWRCRP Properties", and "NHD". Each layer has a checkbox and a toggle switch. Below the legend, there is a section for "Upload Statewide Layer" with three buttons: "Tool Tip", "Map Extent Legend", and "None". The "Tool Tip" button is highlighted. A speech bubble points to the "Tool Tip" button, explaining its function. Another speech bubble points to the "Map Extent Legend" button, explaining its function.

Tool Tip identifies the attributes of individual polygons on the map as the cursor hovers over it

Map Extent Legend is an interactive/clickable legend. It displays all EMS map units or SSURGO map units within the current screen area. Users can click (select) individual map units. Polygons with matching attributes are then highlighted on the map.

TEAM: Tool Tip Example



*In the viewer all polygons are displayed by their EMS (Ecological Mapping System) value. In the database these values have been cross walked to other landcover types:

NatureServe Ecological System: EMS units were derived from these parent systems. Anthropogenic and invasive types do not have a parent system

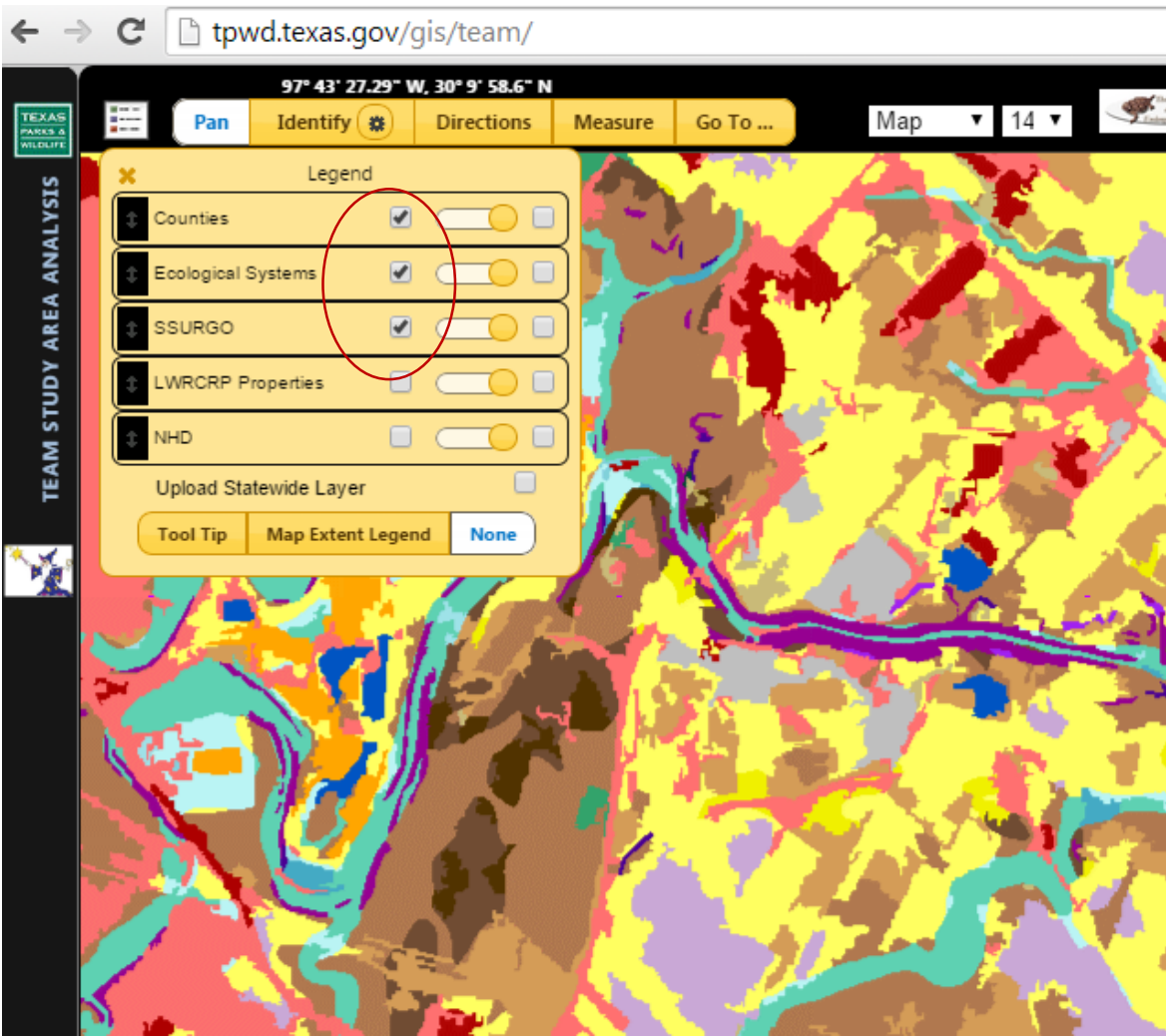
Modeled landcover: 16 basic landcover types, i.e. grassland, evergreen shrubland, etc...

Descriptive landcover: basic landcover types with an abiotic qualifier, i.e. sandy grassland, slope evergreen shrubland, etc.

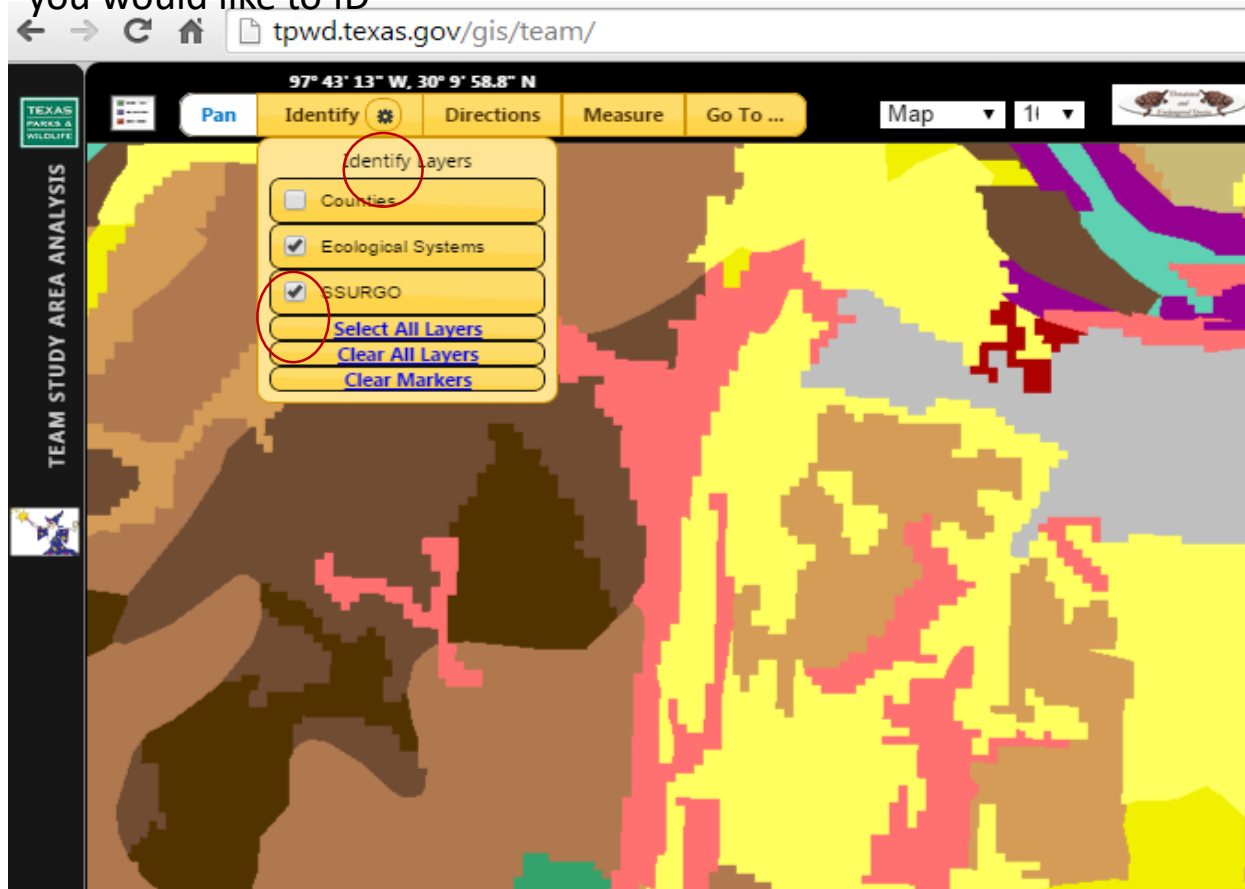
Wildlife Habitat type: classes used by TPWD biologists in wildlife management plans

Google Tool Examples : Identify Tool

Step 1: Make layers of interest viewable within the legend

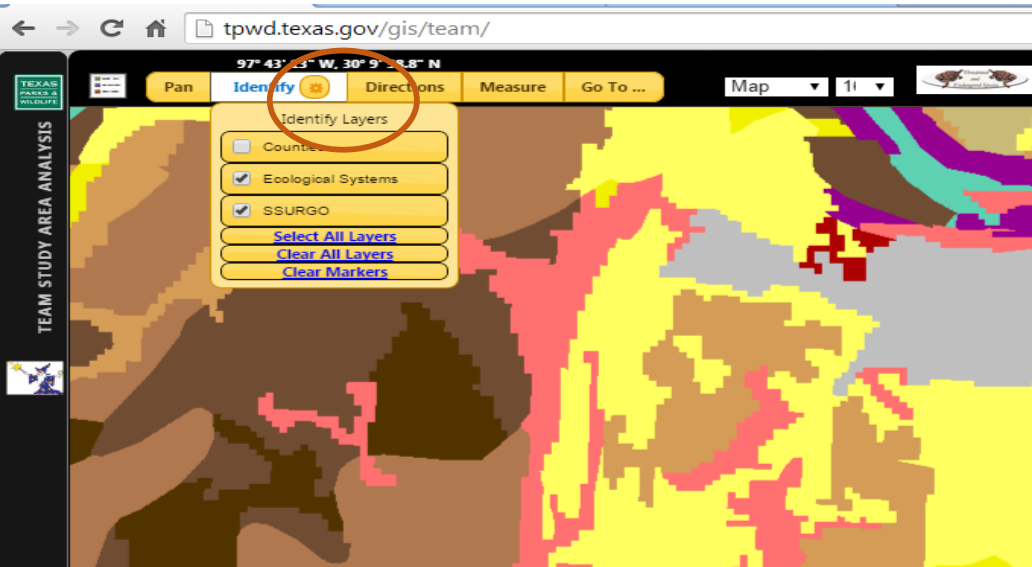


Step 2: Select asterisk next to the “Identify” and choose which layers you would like to ID

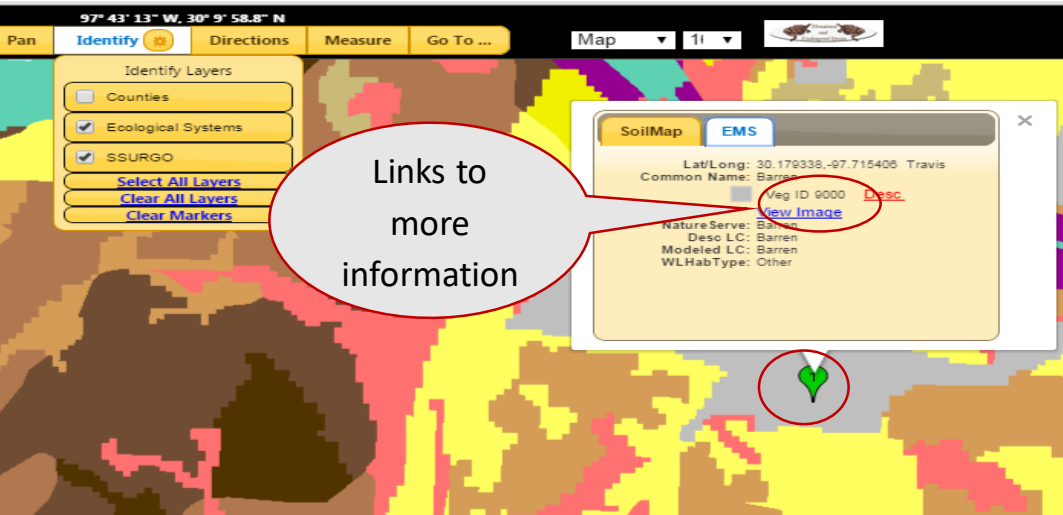


Google Tool Examples : Identify Tool Cont.

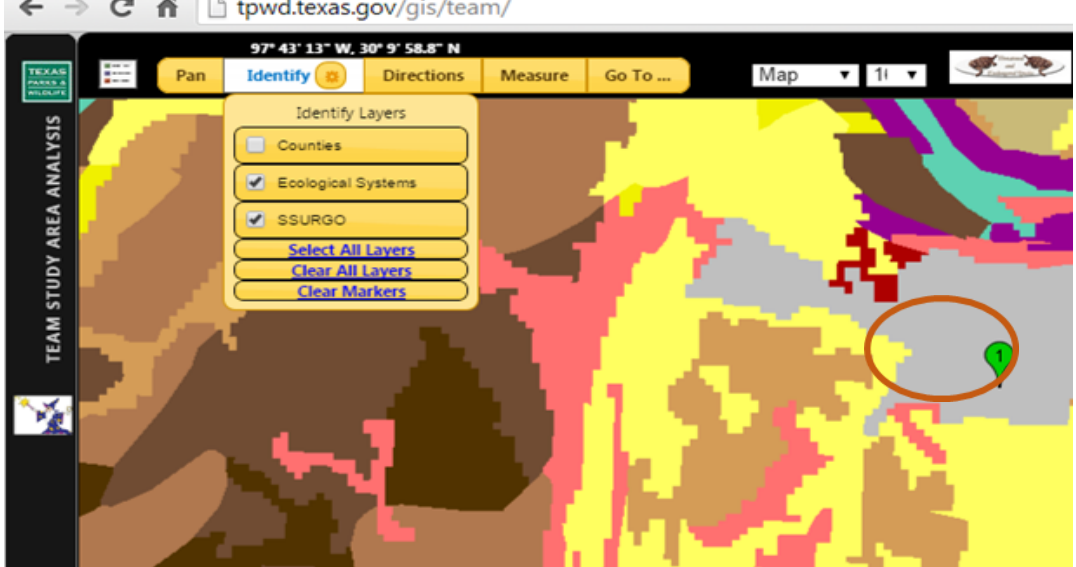
Step 3: Click on “Identify” –it should be highlighted/white



Step 5: Click Thumbtack-dialogue box opens with tabs for each layer you selected to ID



Step 4: Click polygon on map to get more information and a thumbtack will appear



Step 6: SSURGO Links take you to UC DAVIS for detailed soil information: EMS Links open a pop-up

SoilMap

EMS

Area (Ac)	Map Symbol	mukey	Map Unit
0.0	GP	393201	Pts. gravel, 1 to 90 percent slopes

Map Unit Composition

Map units consist of 1 or more soil types, commonly referred to as "components".

Component Name
Soil Type 1 Pits

Note: links to horizon data marked with an * are approximate.

Map Unit Data

What is a Map Unit?

Cartographic information about this map unit.

Map Unit Name:	Pits, gravel, 1 to 90 percent slopes
Map Unit Type:	Consociation
Map Unit Symbol:	GP
Map Unit Area:	2194 acres total in survey area

[Raw Map Unit Data](#)
[Raw Component Data \(All Components\)](#)

Map Unit Aggregated Data

Generalized soils information within this map unit.

Farmland Class:	Not prime farmland
Available Water Storage (0-100cm):	cm
Max Flood Freq:	
Drainage Class (Dominant Condition):	
Drainage Class (Wettest Component):	

Directions Tool

Click on “Directions” –it should be highlighted/white and a dialogue box opens

The image displays two screenshots of the tpwd.texas.gov/gis/team/ web application. The left screenshot shows the 'Directions' tab selected in the top navigation bar. A dialogue box is open with two input fields, 'A' and 'B', and buttons for 'Get Directions' and 'Clear'. The right screenshot shows the same interface with the 'Get Directions' button clicked. The dialogue box now displays a list of 11 turn-by-turn directions for a route from Zilker Park to 4200 Smith School Rd. A blue line on the map indicates the calculated route. A red circle highlights the input fields in the right screenshot, with a text box above it stating 'Enter place name or address in the text boxes and click get directions'. Another red circle highlights the list of directions, with a text box next to it stating 'Written turn-by-turn directions'. A third red circle highlights the blue route line on the map, with a text box next to it stating 'Route also shown on Map'.

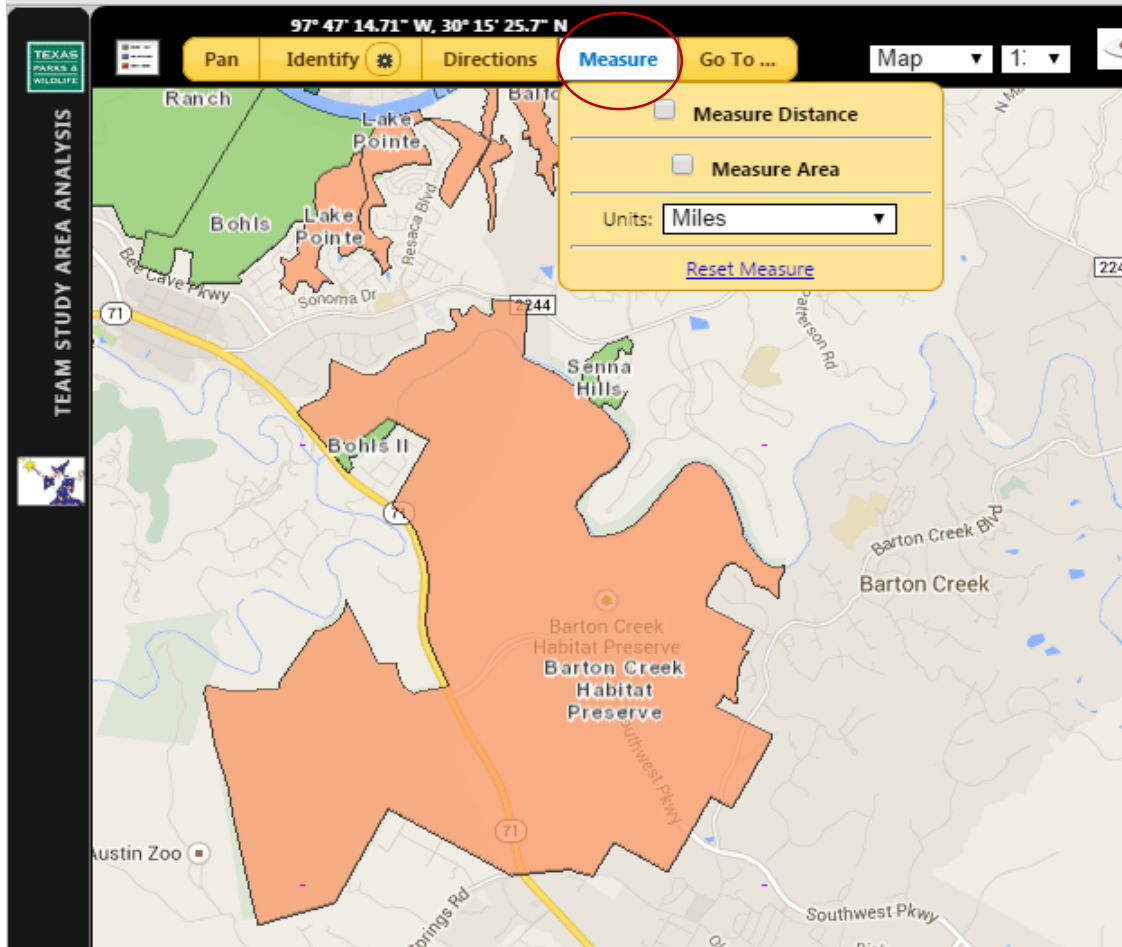
Enter place name or address in the text boxes and click get directions

Written turn-by-turn directions

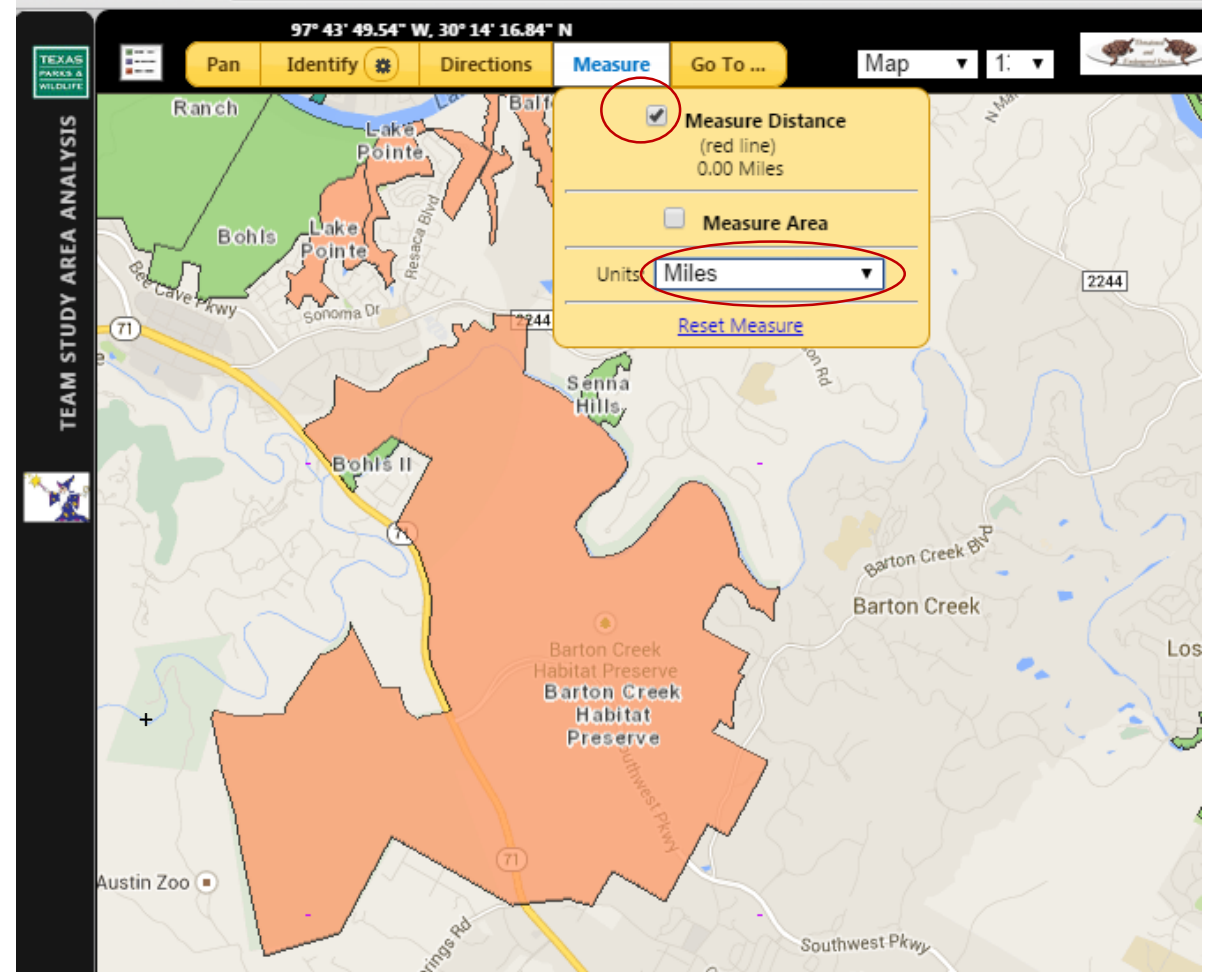
Route also shown on Map

Measure Tool : Distance or Area

Step 1: Click “Measure” –it should be highlighted/white a dialogue box opens, and the cursor will become a +

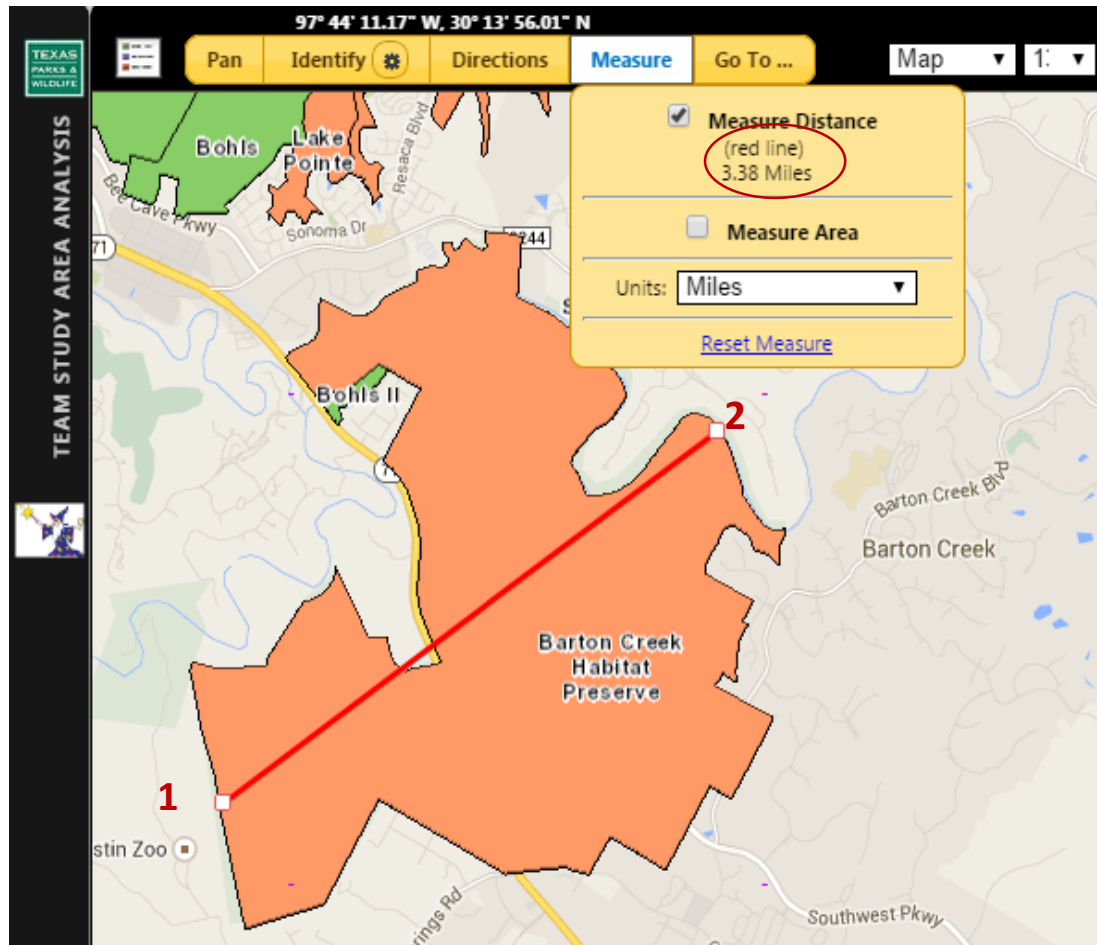


Step 2: Select either “Measure Distance” or “Measure Area”, and choose measurement units

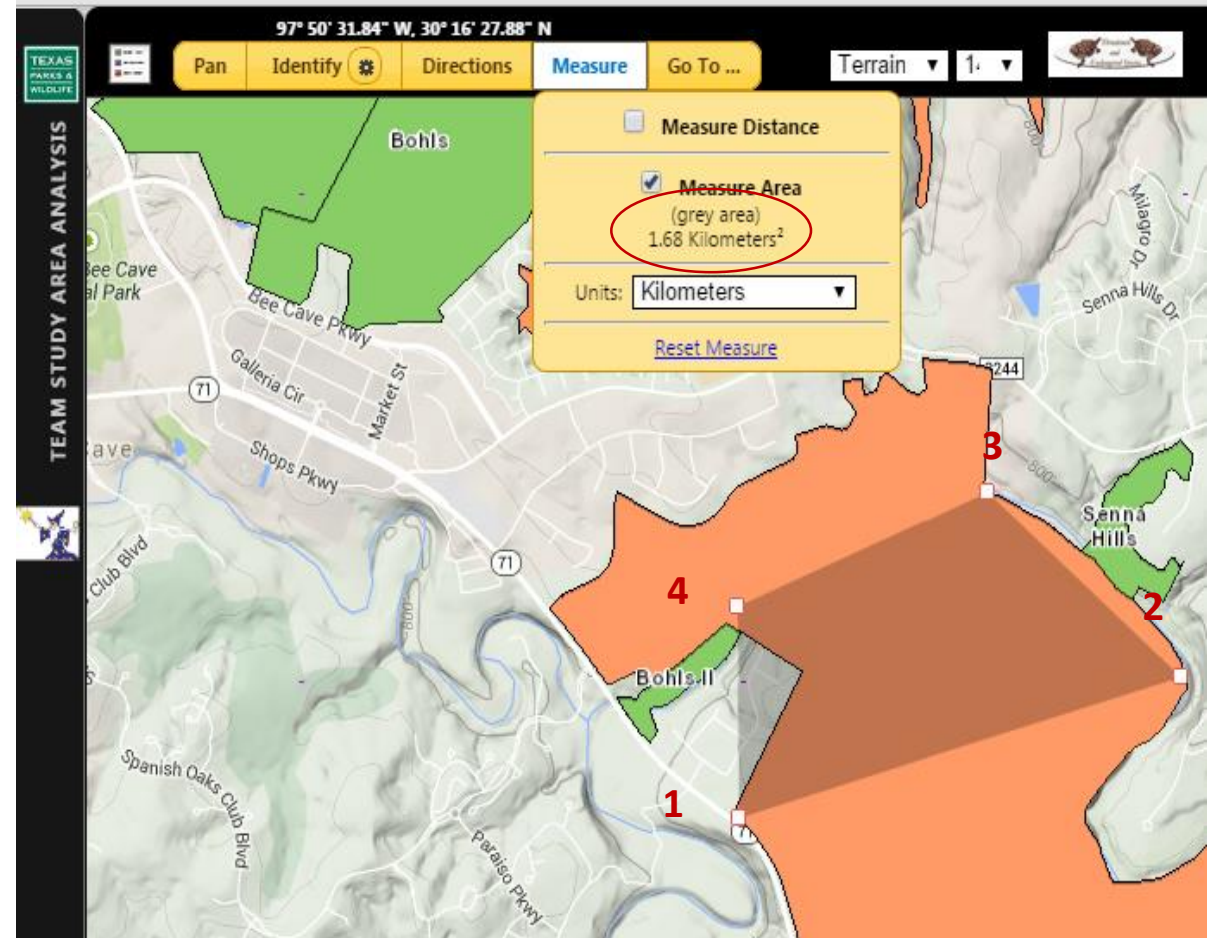


Measure Tool : Distance or Area Cont.

Distance: Click once on map at the starting point (1) of measurement, move cursor to end of measurement (2) and click again.

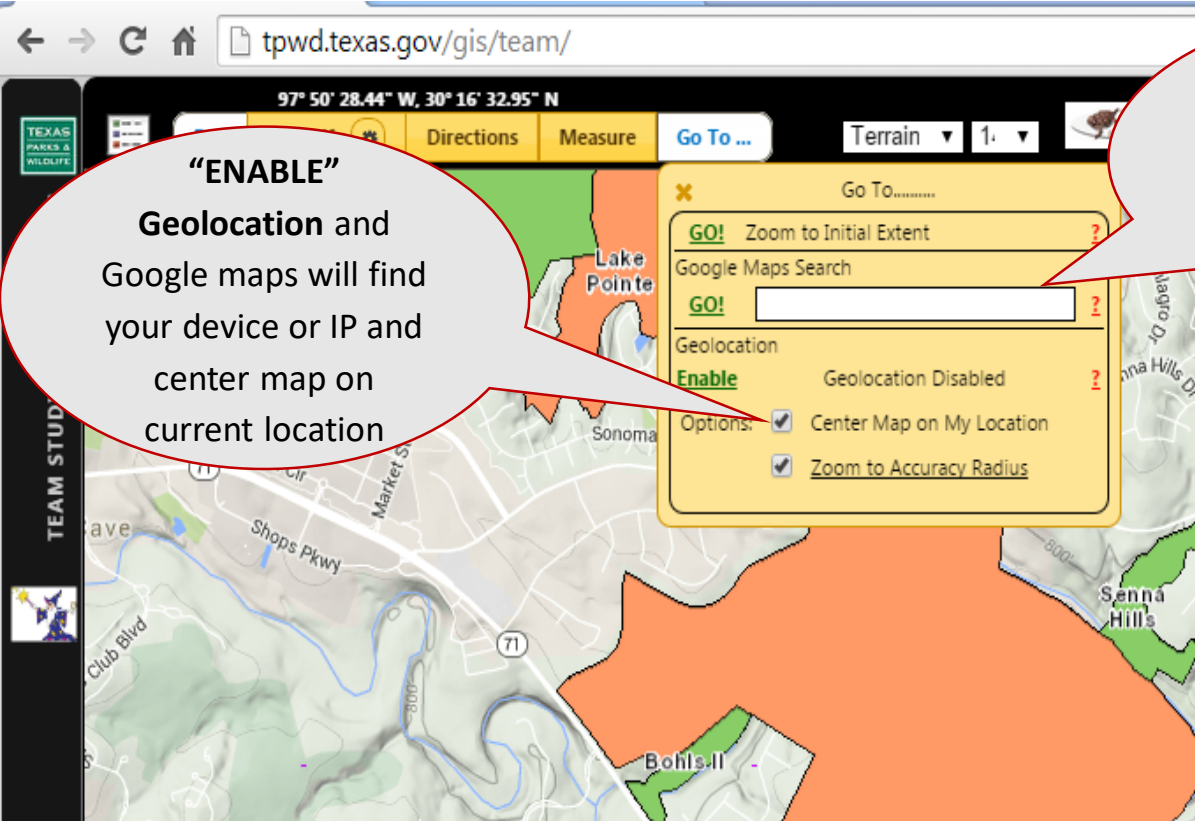


Area: Click once on map at the starting point of measurement (1), move cursor to vertex/corner of area and click (2), click at each spot that will be a vertex/corner of the measurement area (3...). At the last vertex (4) double click.



Go To Tool

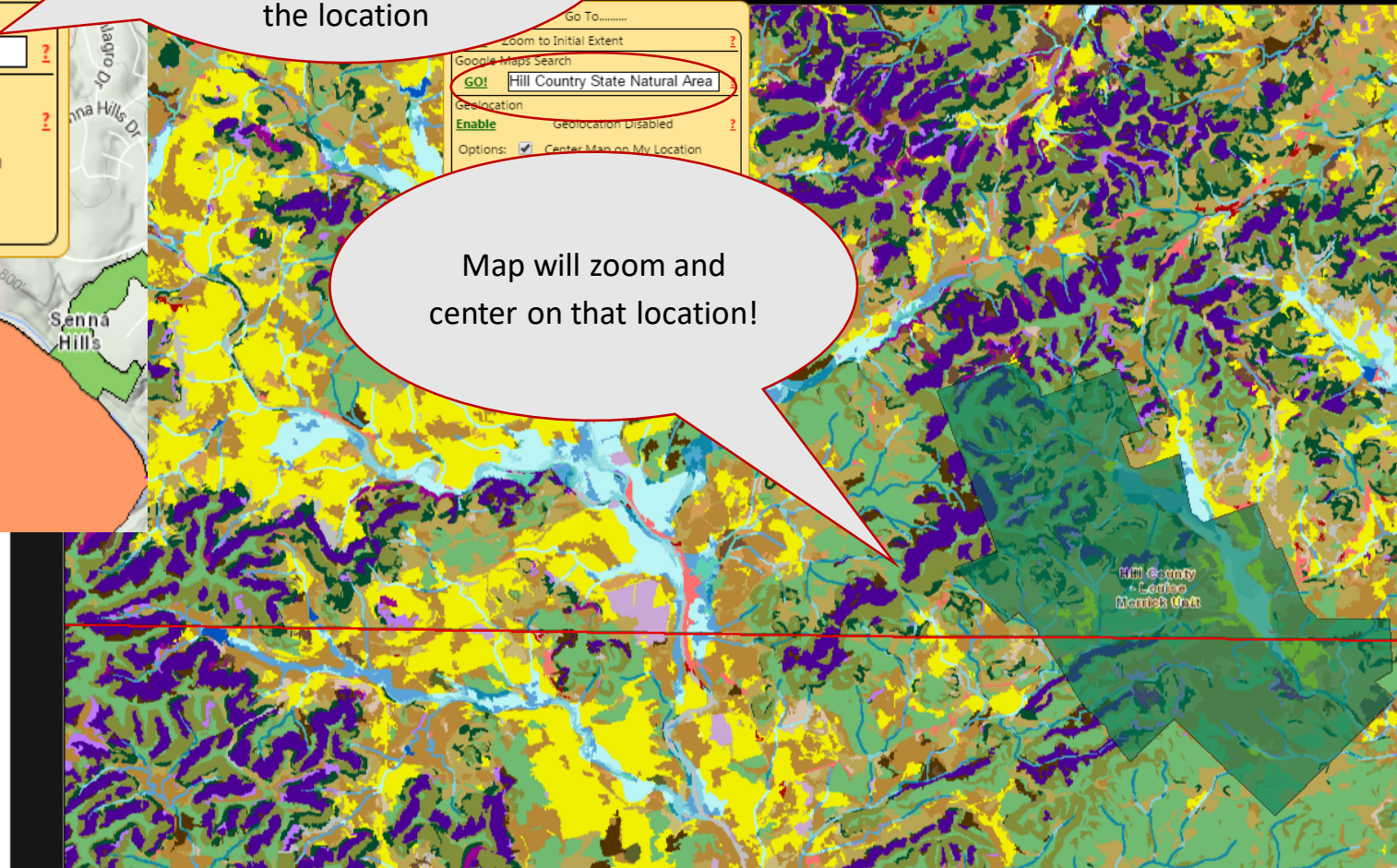
Step 1: Click “Go To” –it should be highlighted/white and a dialogue box opens



Step 2: Enter a place name or address in the Google Maps Search text box and click on “GO!”

Go To Options: **Center** will move map to you location and **Zoom** will automatically zoom in on the location

Map will zoom and center on that location!

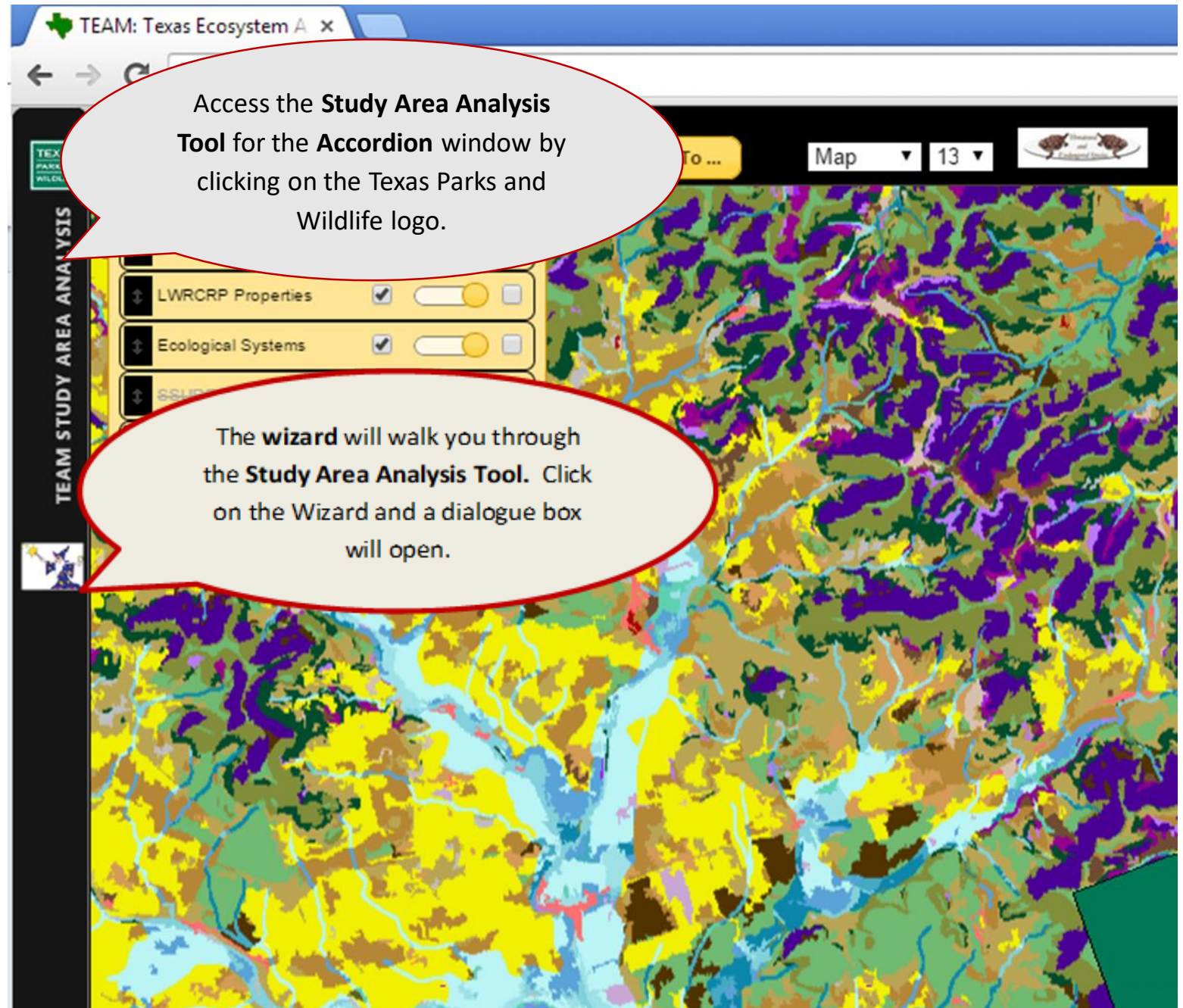


Custom Vegetation Reports

HOW TO: Use the TEAM Study Area Analysis Tool

The Study Area Analysis Tool allows users to upload or draw boundary files in order to create and print custom maps and reports of the EMS data. The tool will analyze EMS data within polygon boundary(ies) or buffer point locations. TEAM will calculate the acres of each vegetation type within your boundary(ies) or buffer(s) creating both an online interactive report and exportable PDF. Flexibility in the Study Area Analysis Tool give the ability to calculate different landcover types and add county level endangered species information to the analysis.

There are TWO ways to access and use the Study Area Analysis Tool, the wizard and the accordion on the side bar.



TEAM Study Area Analysis Tool: The Wizard

Step 1: Click on the Wizard

Dialogue box opens to “About TEAM”



Analysis Wizard: Step 2 “TEAM Report Options” tab

User can choose contents of report. Check boxes to include which map unit(s) to analyze and compare in the report. The option to included Endangered Species County in the report is available here. Report name must be entered and under 50 characters.

99° 14' 39.51" W, 29° 35' 42.64" N

Pan Identify Directions Measure Go To ...

TEXAS PARKS & WILDLIFE

TEAM STUDY AREA ANALYSIS

About TEAM

TEAM Report Options

Back

Next

Analysis Datasets

- ☒ Tx Ecological System
- ☒ NatureServe EcoSys
- ☒ Modeled Landcover
- ☒ Descriptive Landcover
- ☒ Wildlife Habitat Type
- ☒ Endangered Species County Intersection

[Select All Analysis Datasets](#)

[UN-Select All Analysis Datasets](#)

Add'l Analysis

* Report Name: Hill Country Test (50 Characters Max)

*Required

Other map units available for analysis..

Link to the information in the Endangered Species Application.

EMS vegetation types default in analysis

EMS (Ecological Mapping Systems) are always included in the analysis. Other classifications cross walked in the data are as follows.

NatureServe Ecological System: EMS units are derived from these parent systems. Anthropogenic and invasive types do not have a parent system

Modeled landcover: 16 landcover types, i.e. grassland, evergreen shrubland, etc...

Descriptive landcover: basic landcover types with an abiotic qualifier, i.e. sandy grassland, slope evergreen shrubland, etc.

Wildlife Habitat type: classes used by TPWD biologists in wildlife management plans

Analysis Wizard: Step 3 Add Boundary(ies) Tab

One or more boundaries must be defined for the analysis to work. Options for defining boundaries include, **Draw polygons** on the map, **Select a boundary for the LWRCRP data**, or **Upload a KML/KMZ or Shapefile**.

Add Boundary Examples 1 -3: Drawing Boundaries

-Click on the “Draw polygon” tab so that it is highlighted (white)

- Select the Shape of the boundary you would like to draw

Click on the map to create a starting point for your boundary (See example 1 below)

For squares and circles just drag the shape to the size you need

For polygons just click at each vertex (corner) and complete by closing the shape at your starting point
(See example 2 below, each vertex is number 1 & 7 are the beginning and starting points)

For circles just click at where you would want the middle of the circle, then change radius to desired size

-use arrows or text box in wizard to edit the circle radius, default is 1 mile (See example 3 below)

NOTE:

You can have multiple boundaries of more than one shape within your report!

Warning:

Google Maps has a size limit when running analyses. Team will display an error message if the shape or shapes is too large

Analysis Wizard: Add Boundary(ies) Example 1, Rectangle Tool

← → ↻

tpwd.texas.gov/gis/team/

99° 14' 58.05" W, 29° 36' 48.73" N

Pan Identify Directions Measure Go To ... Map 14

TEXAS PARKS & WILDLIFE

TEAM STUDY AREA ANALYSIS

About TEAM

TEAM Report Options

Add Boundary(ies)

TEAM Report

Print Report

Export/Save

Reset Study Area

Back

Next

To Create Boundary:

Draw Polygon

Select LWRCRP Feature

Upload Polygon

☐ Select Rectangle Tool and drag rectangle on map.

☐ Select Polygon Tool and click on map to draw polygon.

☐ Select Circle Tool and click on map to create circle.

1

Run TEAM Report

Zoom To Boundary: 1

Acres: 2167.06

Clear Boundary

Draw a simple square/rectangle; Click on starting corner (1) and drag to desired size

100 County

• Louisa

Manter Unit

Analysis Wizard: Add Boundary(ies) Example 2, Polygon Tool:

The screenshot displays the 'Analysis Wizard' interface for 'TEAM STUDY AREA ANALYSIS'. The browser address bar shows 'tpwd.texas.gov/gis/team/'. The interface includes a sidebar with navigation options: 'About TEAM', 'TEAM Report Options', 'Add Boundary(ies)', 'TEAM Report', 'Print Report', 'Export/Save', and 'Reset Study Area'. The main panel shows the 'Add Boundary(ies)' step with three options: 'Draw Polygon', 'Select LWRCRP Feature', and 'Upload Polygon'. The 'Draw Polygon' option is selected, and instructions are provided: 'Select Rectangle Tool and drag rectangle on map.', 'Select Polygon Tool and click on map to draw polygon.', and 'Select Circle Tool and click on map to create circle.' The 'Polygon Tool' is highlighted with a red box. A map of a study area is shown with a polygon boundary drawn. The vertices of the polygon are labeled with numbers 1 through 7. A callout box points to the vertices, stating: 'Draw a polygon: Click at each vertex (1-7) and double click at start to close shape'. The map also shows a 'Zoom To Boundary: 1' button and a 'Clear Boundary' button. The map itself is a colorful aerial view with various land cover types in shades of green, yellow, and brown, with blue lines representing water features.

tpwd.texas.gov/gis/team/

99° 14' 39.51" W, 29° 35' 42.64" N

Pan Identify Directions Measure Go To ... Map 14

TEAM STUDY AREA ANALYSIS

About TEAM
TEAM Report Options
Add Boundary(ies)
TEAM Report
Print Report
Export/Save
Reset Study Area

Back Next

To Create Boundary: Draw Polygon Select LWRCRP Feature Upload Polygon

☐ Select Rectangle Tool and drag rectangle on map.
☒ Select Polygon Tool and click on map to draw polygon.
☐ Select Circle Tool and click on map to create circle.

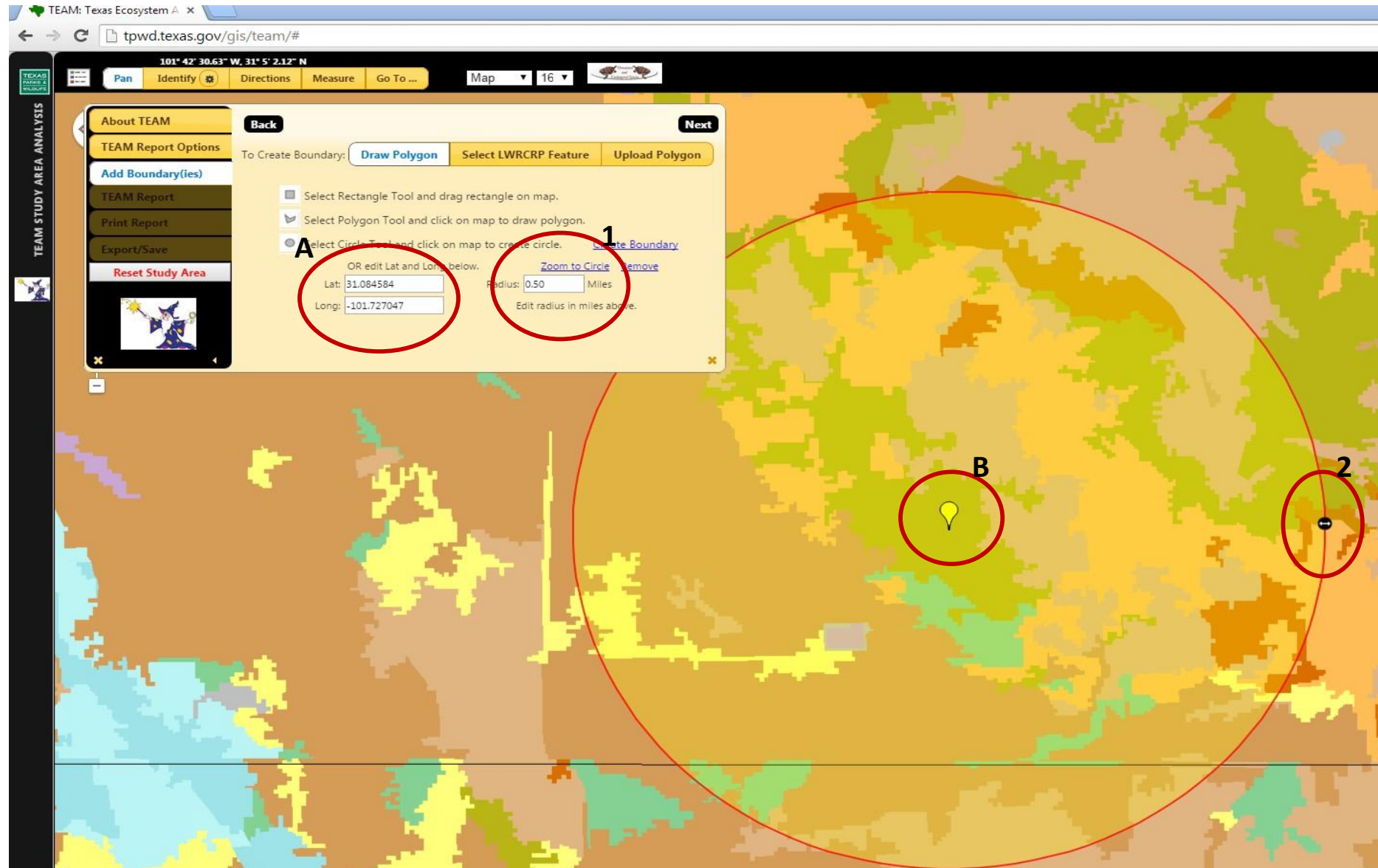
Run TEAM Report Zoom To Boundary: 1 Acres: 1877.12 Clear Boundary

Draw a polygon: Click at each vertex (1-7) and double click at start to close shape

Analysis Wizard: Add Boundary(ies) Example 3, Circle Tool

Place a circle on the map using a specific latitude and longitude (A) or put a point on the map (B)

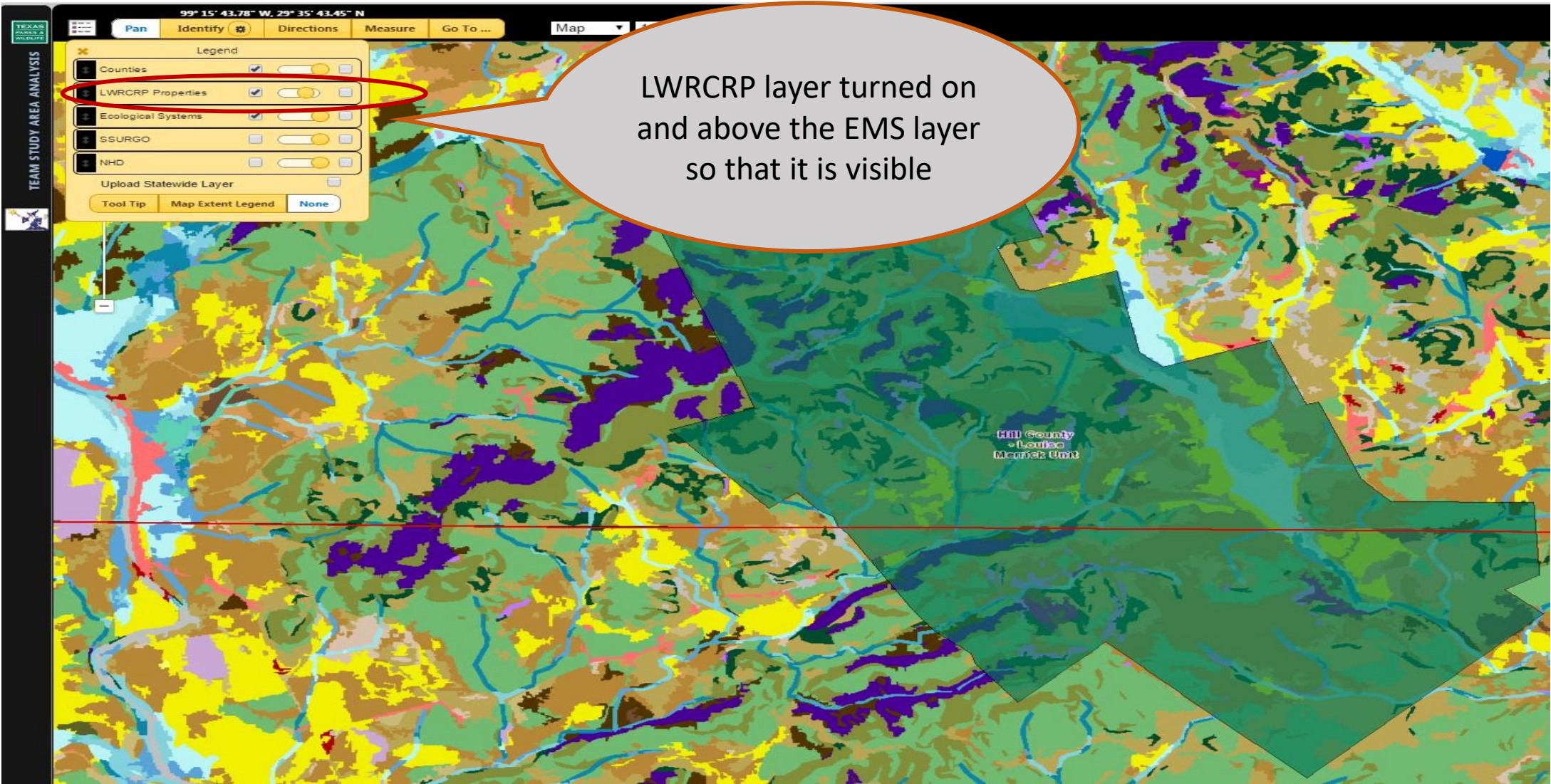
Create a circular boundary of a certain radius using the dialogue box (1) or arrows (2)



Analysis Wizard: Add Boundary(ies) Example 4, Select a Boundary From the Map

Currently only LWRCRP Boundaries can be selected

-Make sure the LWRCRP Properties are turned on, it is best to drag that layer above other visible layers

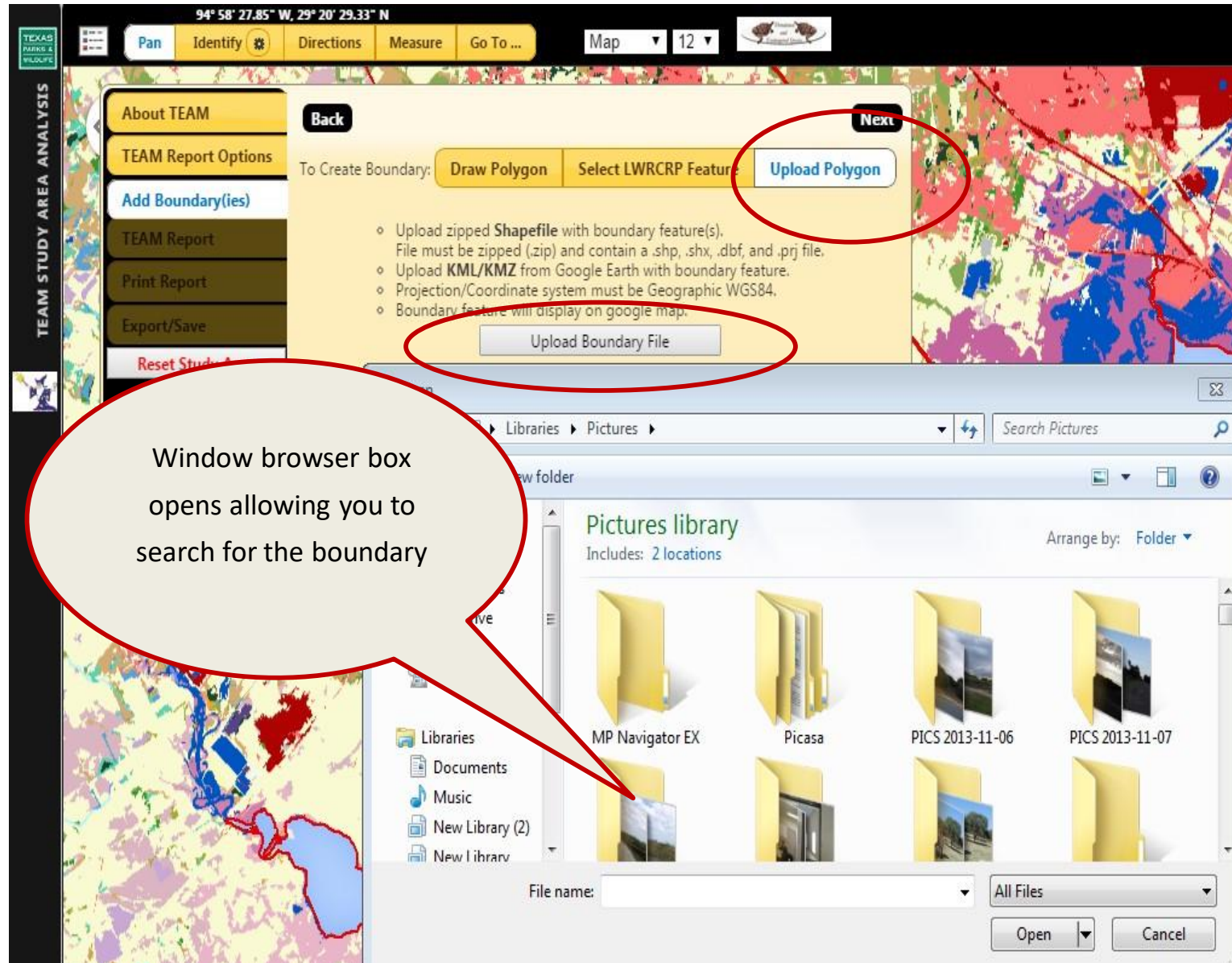


Example 4 Cont., Select a Boundary From the Map



- Click on the “Select LWRCP Feature” tab so that it is highlighted (white)
- Click on the “Select Feature Tool” (red dot in grey box)
- Click on the LWRCP polygon of interest in the TEAM application

Analysis Wizard: Add Boundary(ies) Example 4, Upload a Polygon



UPLOADED POLYGONS MUST BE IN THE FOLLOWING FORMATS:

Upload a **zipped Shapefile** with boundary feature(s).
File **must be zipped** (.zip) and contain a .shp, .shx, .dbf, and .prj file.

Upload **KML/KMZ** from
Google Earth with
boundary feature.

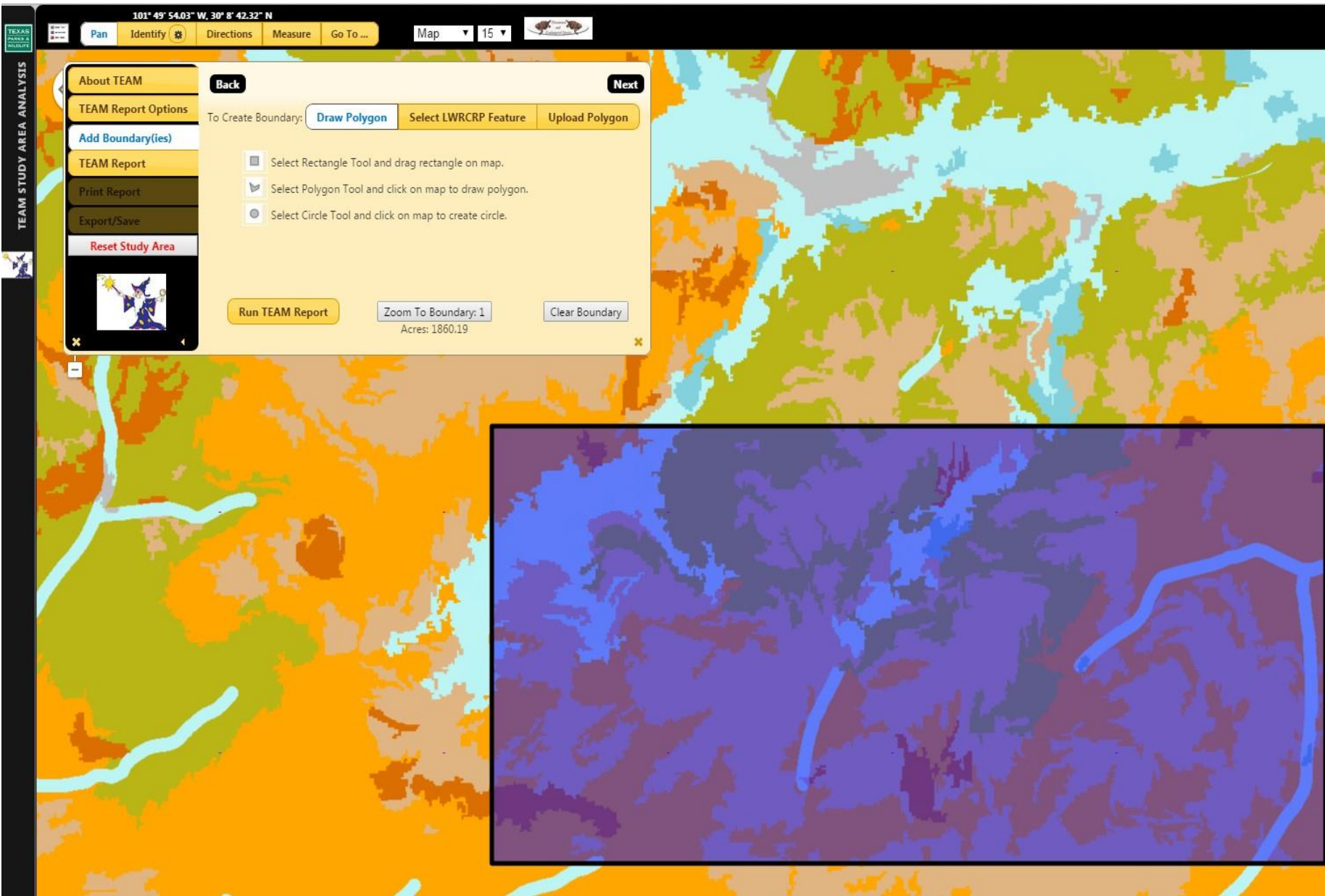
Projection/Coordinate system must be **Geographic WGS84.**

-First Click on the “Upload Polygon” tab so that it is highlighted (white)

-Next Click on Upload Boundary File (Search your computer for file)

Example 4, Upload a Polygon Cont.

Boundary File will appear in the TEAM Application



Analysis Wizard: Add Boundary(ies) Example 5, Multiple Boundaries

Multiple Boundaries can be added simply repeat any of the “Add Boundary” Features

****Error Warning will open in pop-up window if the boundaries are too large for google maps to analyze**



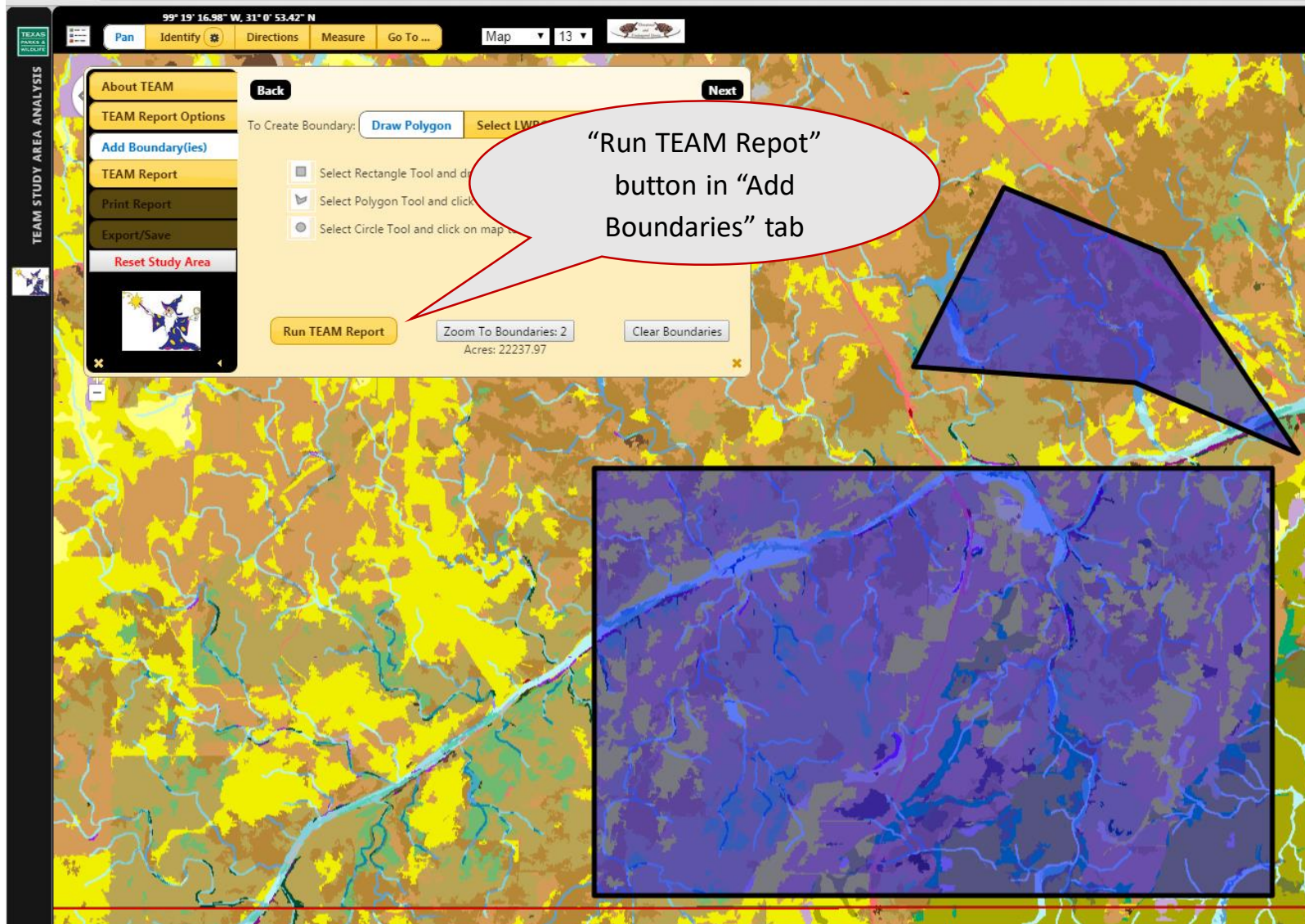
Boundary 2
“Draw Polygon” Square

Boundary 1
Feature Selected
from Map

Boundary 3
“Draw Polygon”
Polygon

Analysis Wizard: Step 4 Run Report, Option A

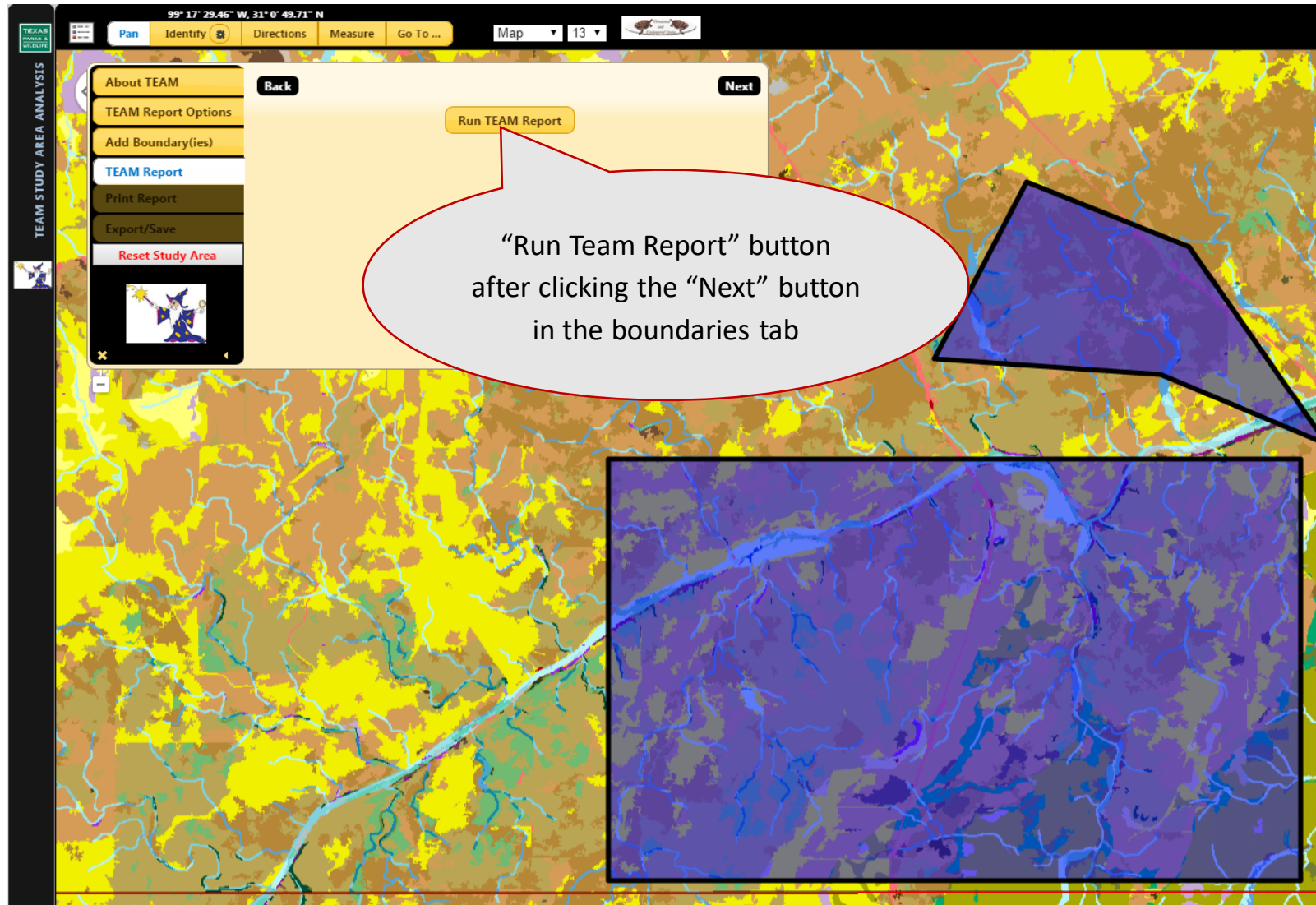
Once boundary files are Drawn, Selected or Uploaded the Study Area Analysis Report can be run
Simply click on the “Run TEAM Report” button in the Add boundary box



Option A

Analysis Wizard: Step 4 Run Report, Option B

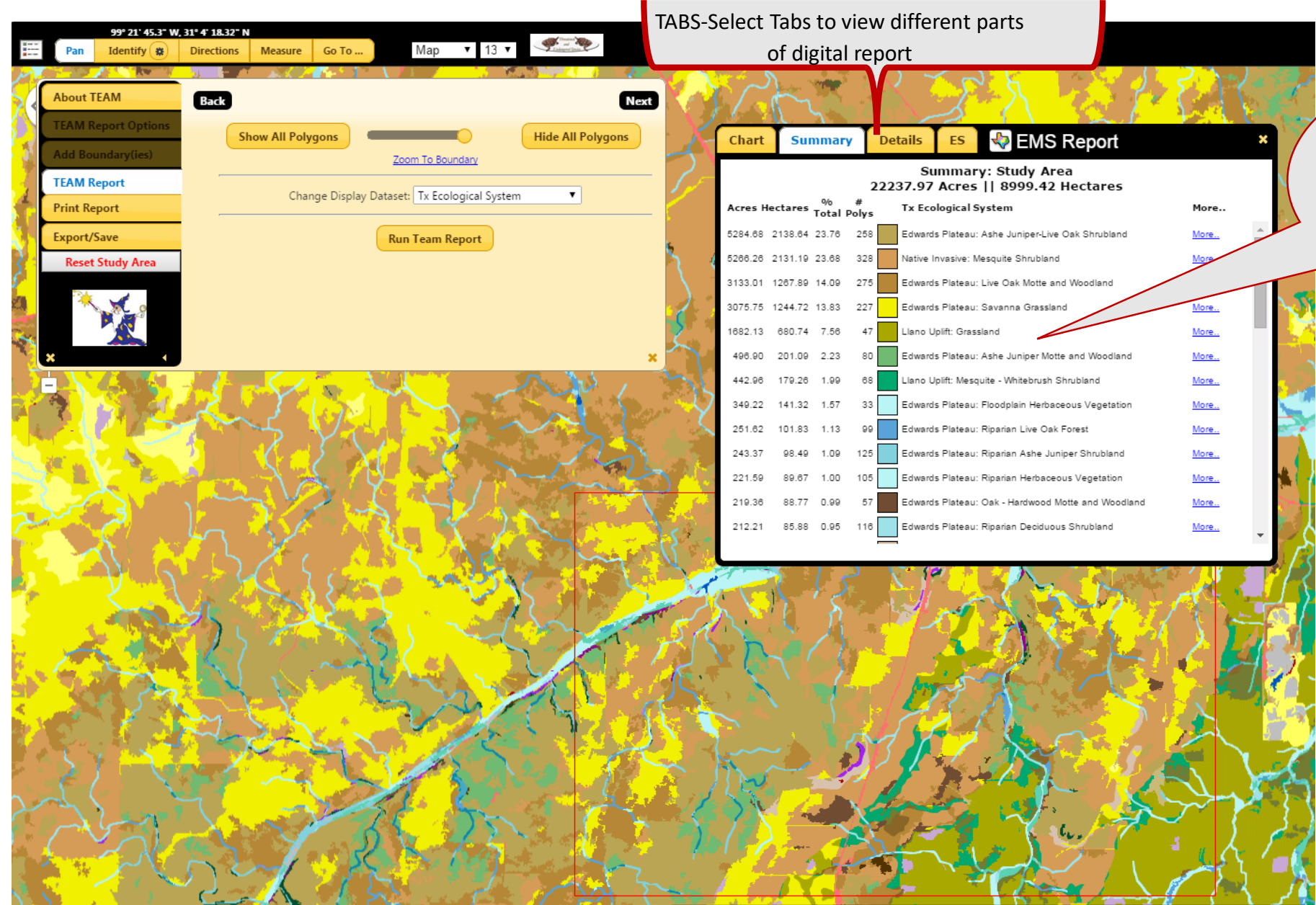
Click the “Next” button, which takes you to the Team Report Tab and then click “Run TEAM Report”



Option B

TEAM Online Interactive Report

After selecting “Run Study Area” Report for your area(s) of interest a new dialogue box opens displaying your online report

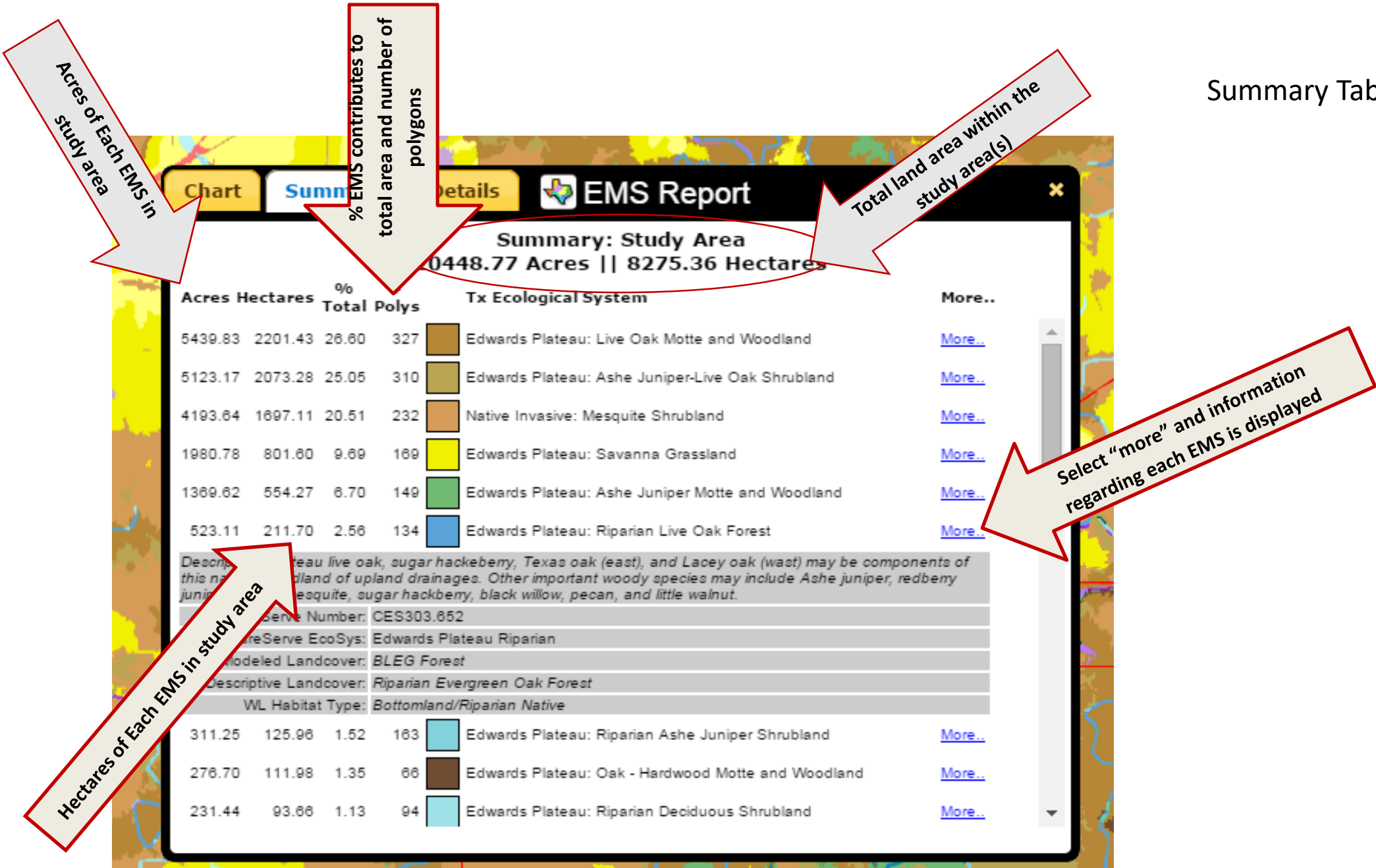


“Summary” Tab is the default view of the digital report. All of the EMS’s within your boundary file are shown here

***HINT: Turn off the Ecological Systems in the Legend to view only your study area! See Chart & Details for View

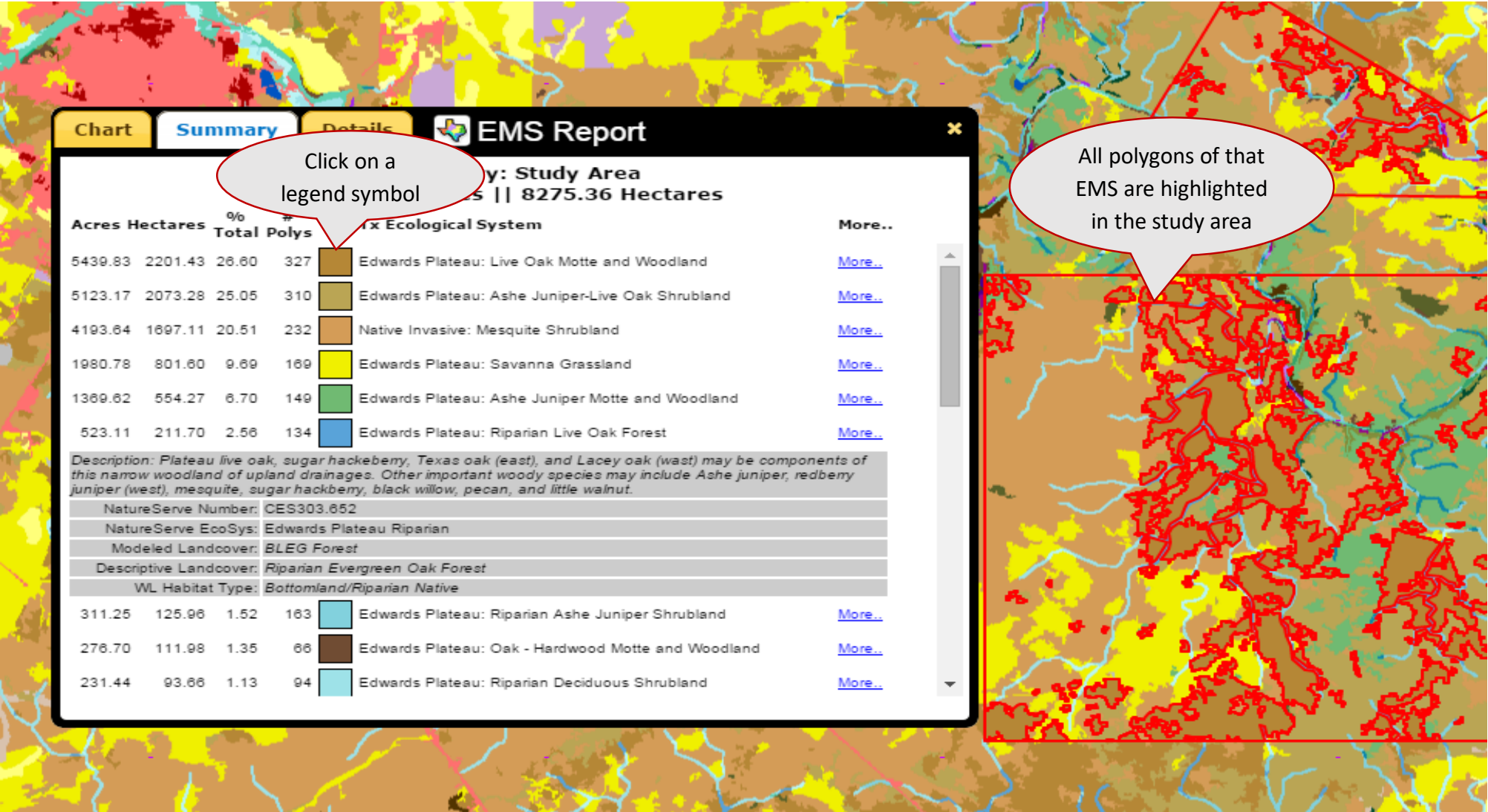
Online Interactive Report: Digital Report Summary Details

Summary Tab-Details

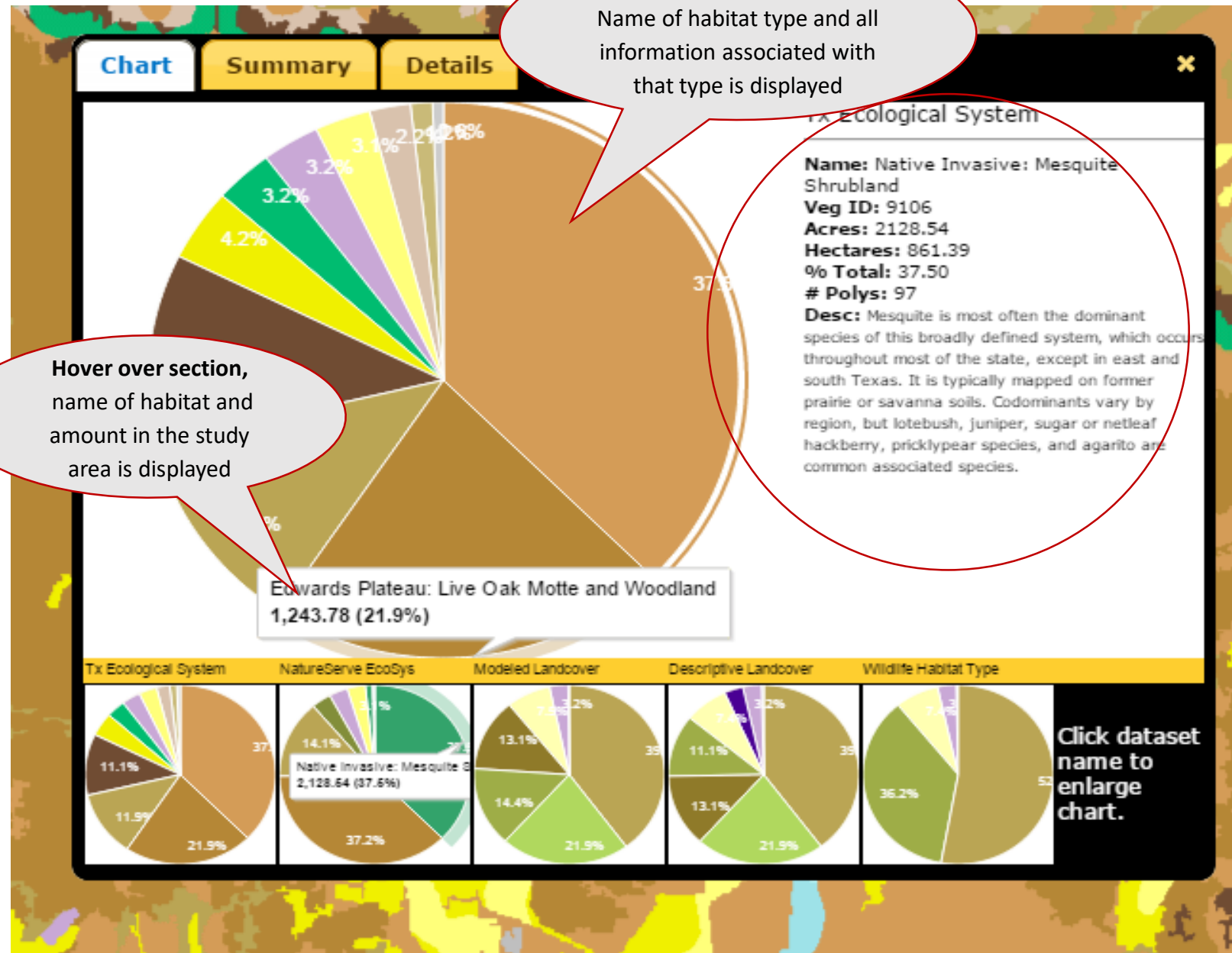


Online Interactive Report: Digital Report Summary Functions

Click on the legend symbol or color next to the Ecological System Name and that EMS is highlighted within the study area



Online Interactive Report: Digital Report Chart Functions



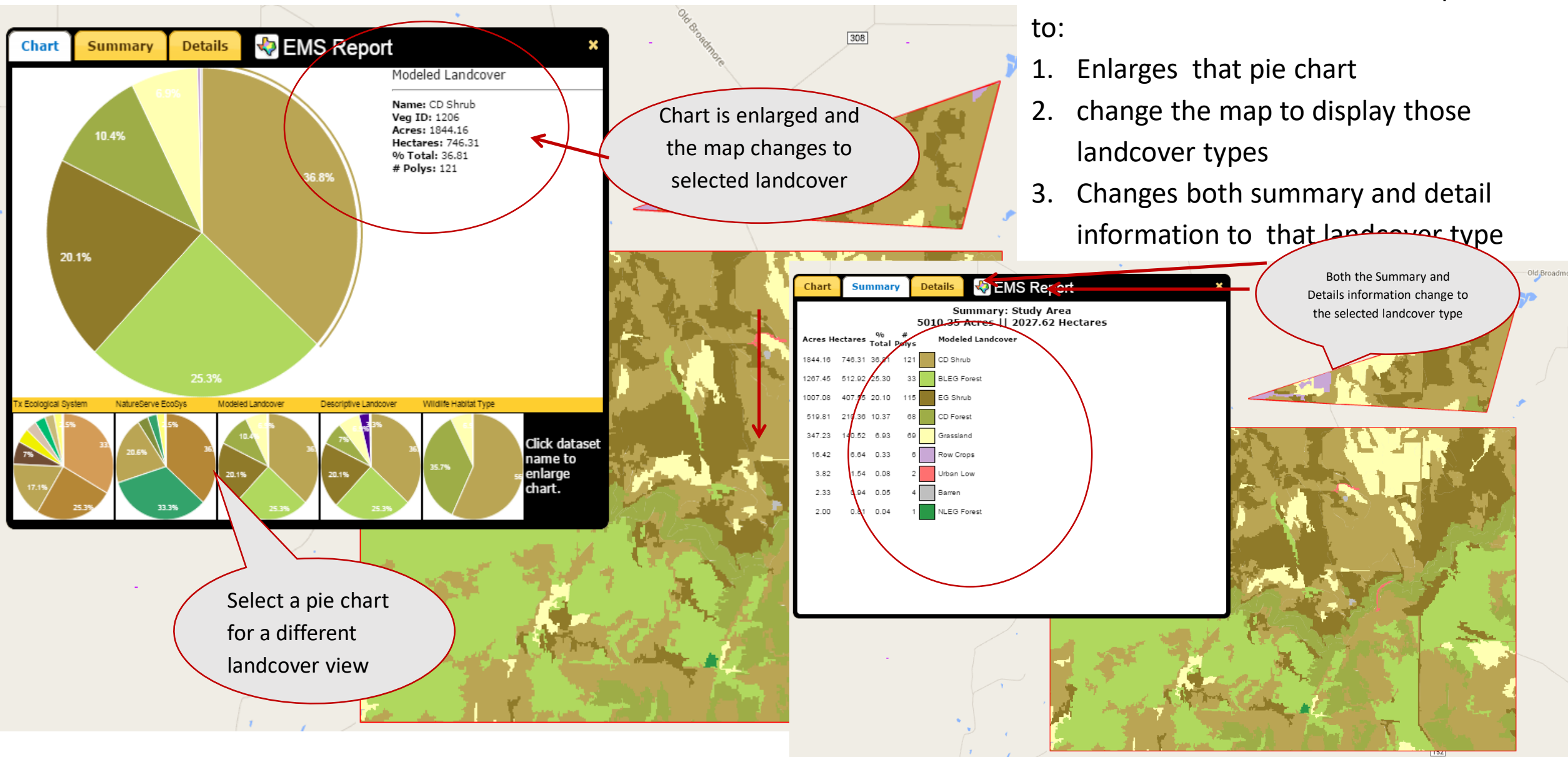
Pie Charts provide a visual interpretation of Mapped Types

- All of the types selected in the “TEAM Report Options” are displayed in Pie Charts
- Hover over each section** of a pie chart to display the name of the type
- Select a section** of the pie chart to get more information regarding the mapped type

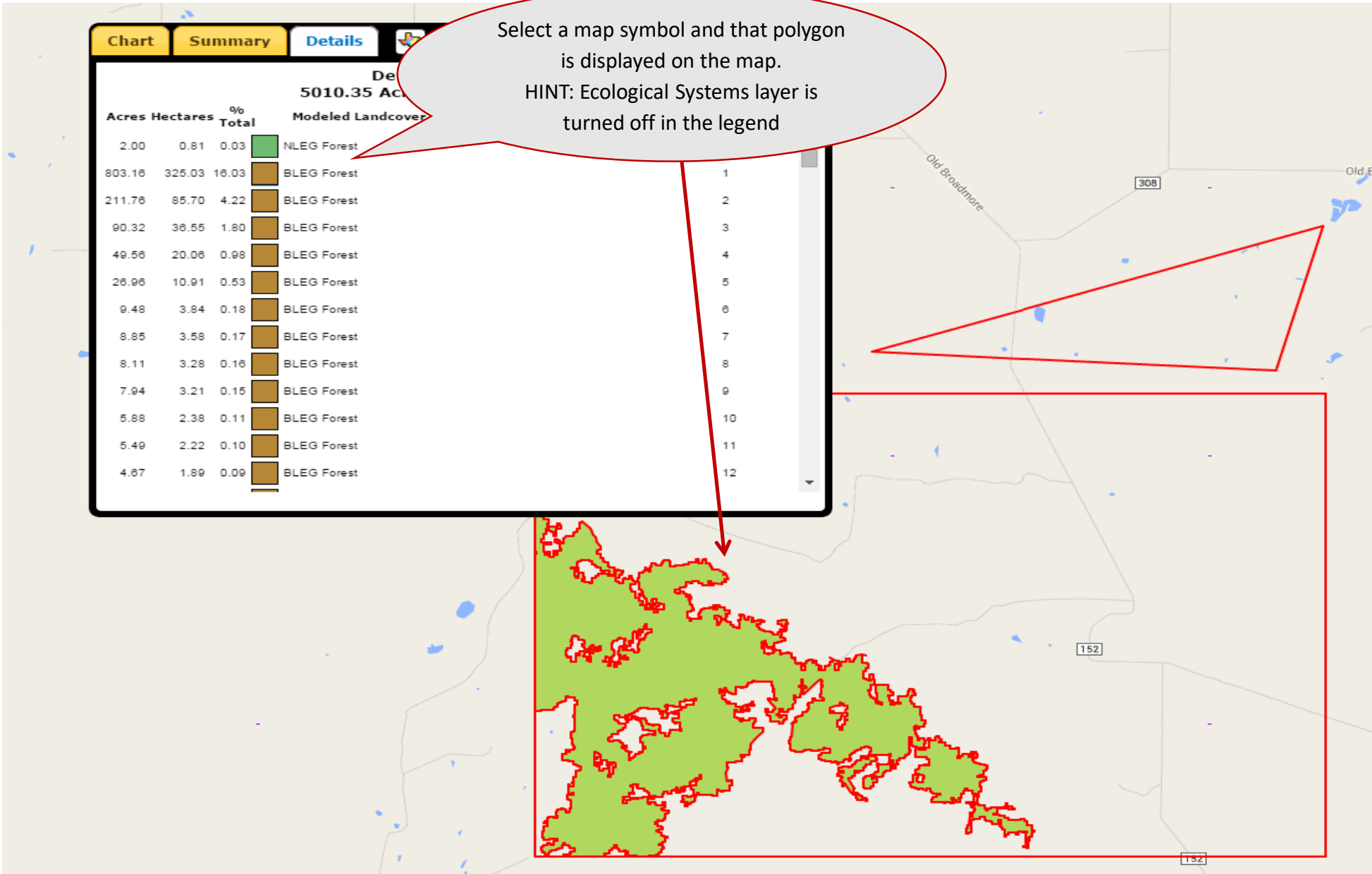
Online Interactive Report Part: More Digital Report Chart Functions

Select a different landcover type from the charts at the bottom of the report to:

- 1. Enlarges that pie chart
- 2. change the map to display those landcover types
- 3. Changes both summary and detail information to that landcover type



Online Interactive Report : Digital Report Details Functions



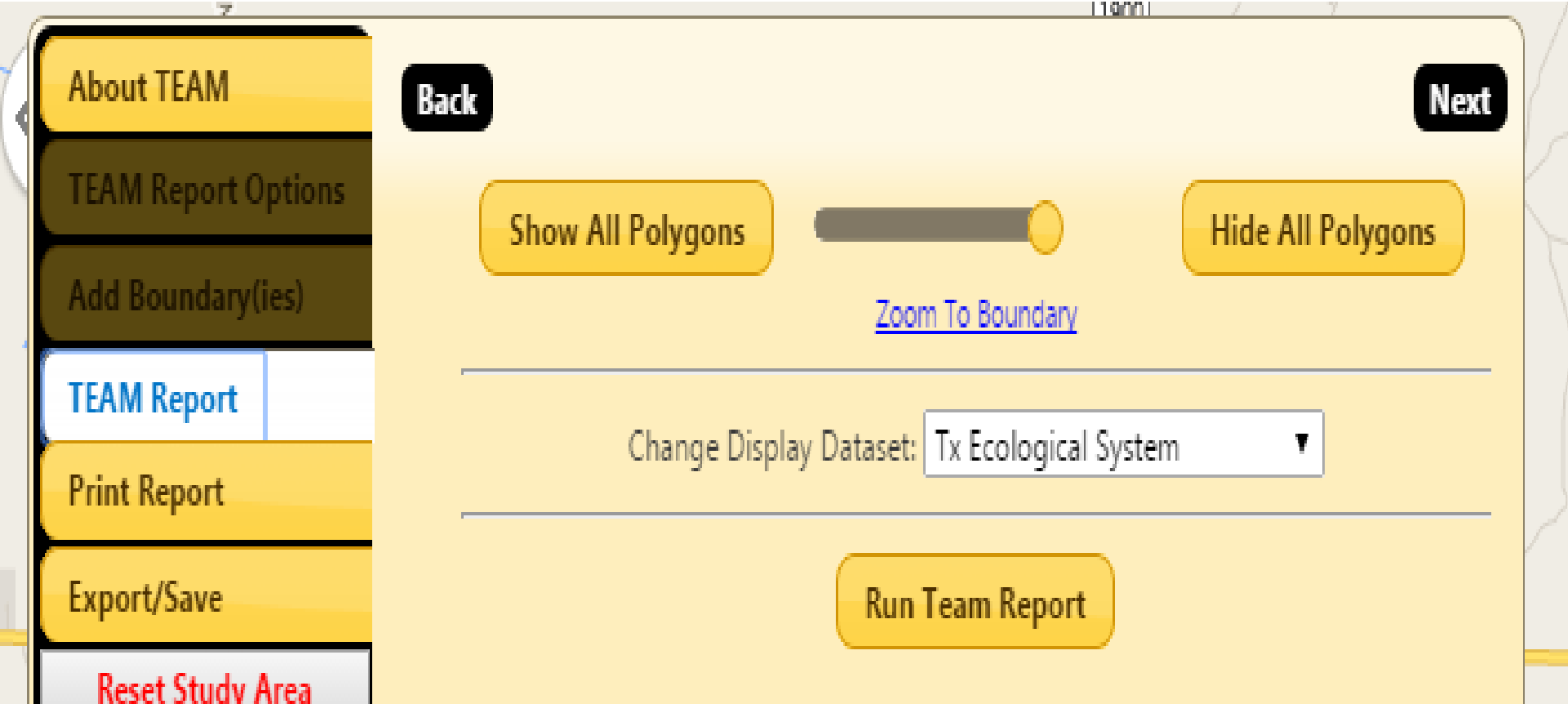
Each polygon along with it's size, % of total land area and type is displayed in the details tab.

The habitat type displayed is dependent upon the pie chart selected in the Chart Tab.

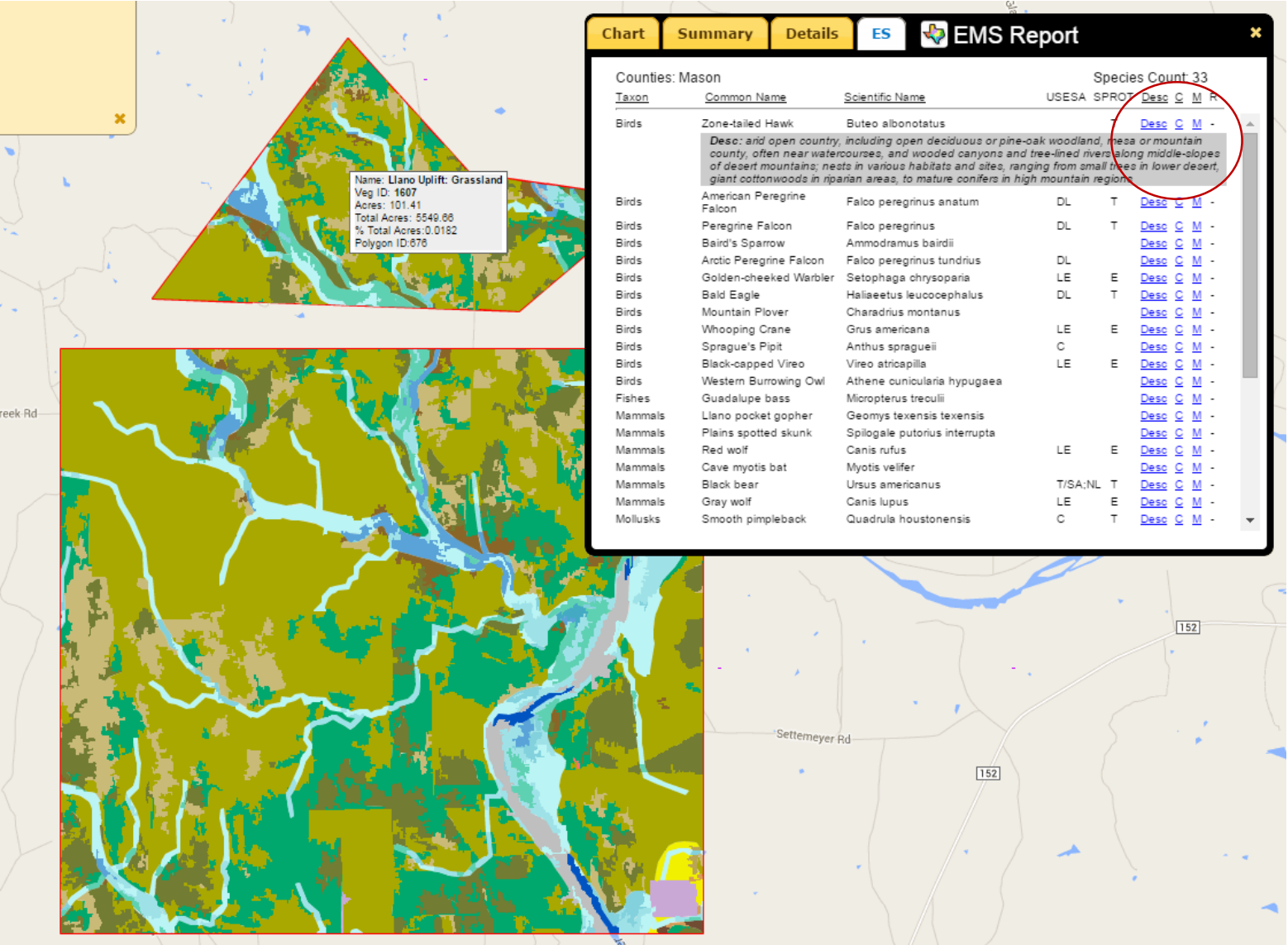
Select a map symbol for a specific polygon and that symbol highlights on the map.

Online Interactive Report: Digital Report Details Functions Cont.

HINT: To unselect a single polygon or show all of the polygons within your study area, select “Show All Polygons” in the report wizard.



Online Interactive Report Cont.: Digital Report Endangered Species Tab



If selected in the “Report Options” the digital and printed report will give you a list of all potential threatened or endangered species that may occur within that county. See <http://tpwd.texas.gov/gis/rtest/>, TPWD’s Rare, Threatened and Endangered Species Application for more information regarding the county level lists.

Select any of the blue text to get more information (description, counties of occurrence, or a range map) for each species.

TEAM Analysis: Print Report

This is also, how you can save a PDF of your report!

The screenshot shows the 'Print Report' interface of the TEAM Analysis tool. At the top, there's a map with coordinates 99° 7' 14.56" W, 30° 45' 10.18" N. Below the map are buttons for 'Pan', 'Identify', 'Directions', 'Measure', and 'Go To ...'. The 'Identify' button is highlighted. On the left side, there's a sidebar with 'Print Report', 'Export/Save', and 'Reset Study Area' buttons. The main area has a 'Select Display Dataset' dropdown set to 'Tx Ecological System'. Below this, a yellow banner states 'Print processing is currently under construction!'. The 'Sections to Print' section includes checkboxes for 'Map', 'Summary Table', 'Chart', 'Endangered Species Table', 'Counties', and 'Desc', all of which are checked. The 'Orientation' dropdown is set to 'Portrait'. A 'Print Report' button is at the bottom. A callout bubble points to the 'Print Report' button, stating: 'Check the boxes to select the information you would like included in your report'. Another callout bubble points to the 'Orientation' dropdown, stating: 'Choose the page orientation that best suits your study area map shape. This is based on a 8 1/2 X 11 sheet of paper! See below.' A third callout bubble points to the 'Select Display Dataset' dropdown, stating: 'Select the landcover you would like summarized and displayed in your report'.

Check the boxes to select the information you would like included in your report

Select the landcover you would like summarized and displayed in your report

Choose the page orientation that best suits your study area map shape. This is based on a 8 1/2 X 11 sheet of paper! See below.

PRINT REPORT ONLY WORKS IN GOOGLE CHROME!

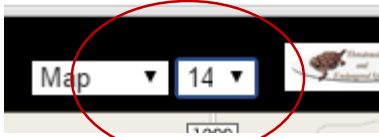
Click "Next" or on the "Print Report" Tab to view the Print Options

Use the Pull down to Choose which landcover dataset you would like displayed in the Summary and Details of your report

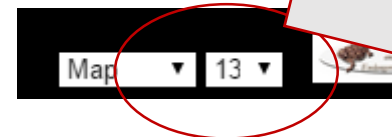
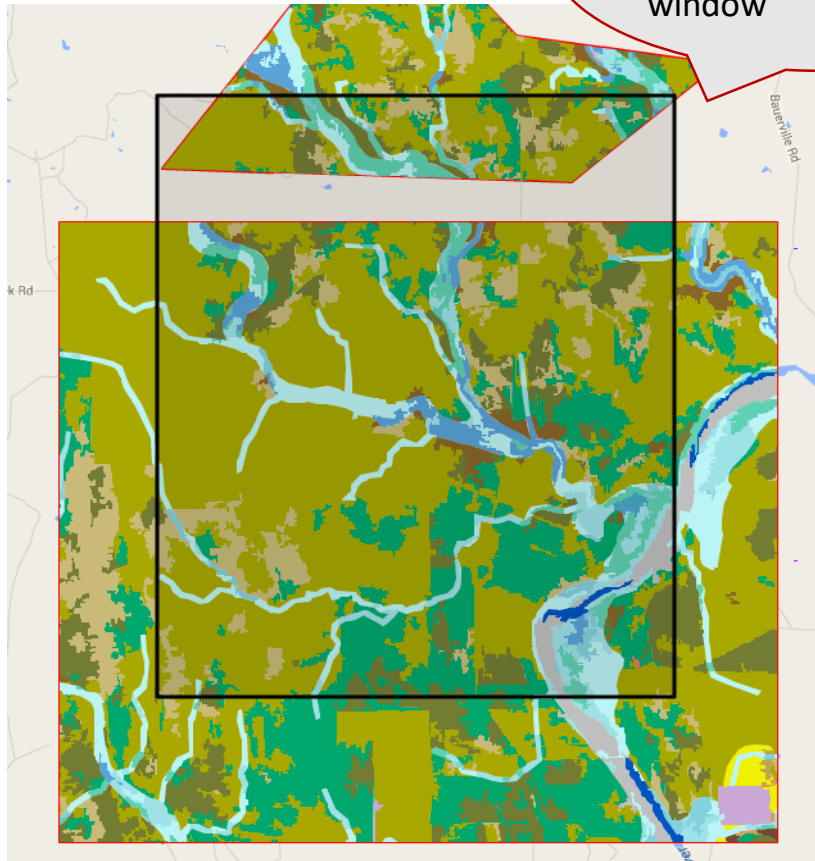
This will be the data analyzed in your report, the other datasets will only appear as pie charts

Use the check boxes to identify what you want included within your report

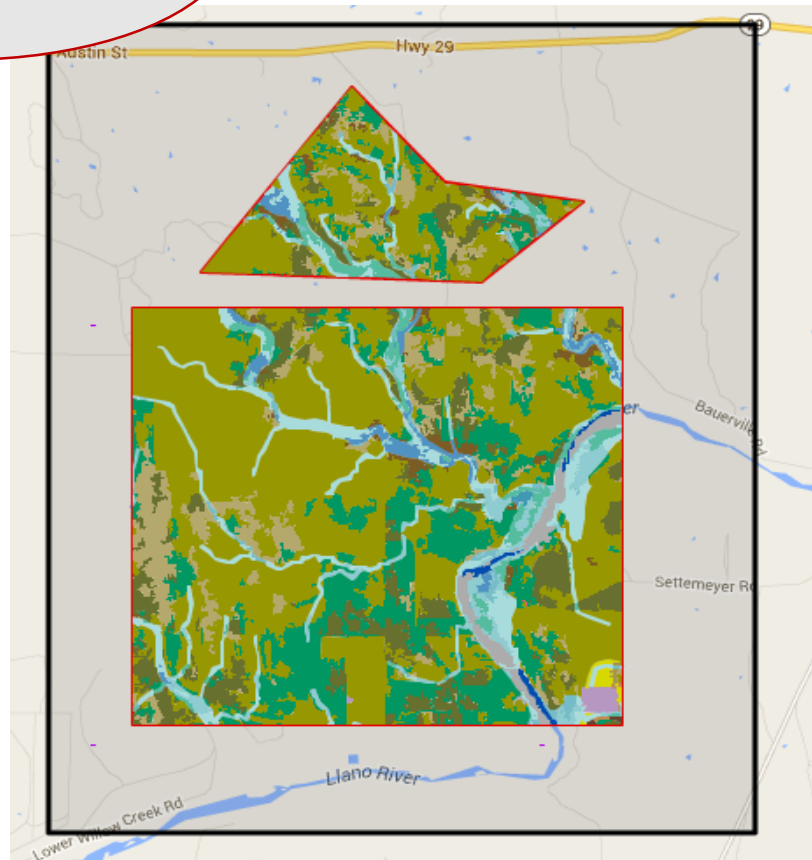
TEAM Analysis: Print Report, Select Map Print Area



Use the hand to move the black print window



Change Map Resolution if needed

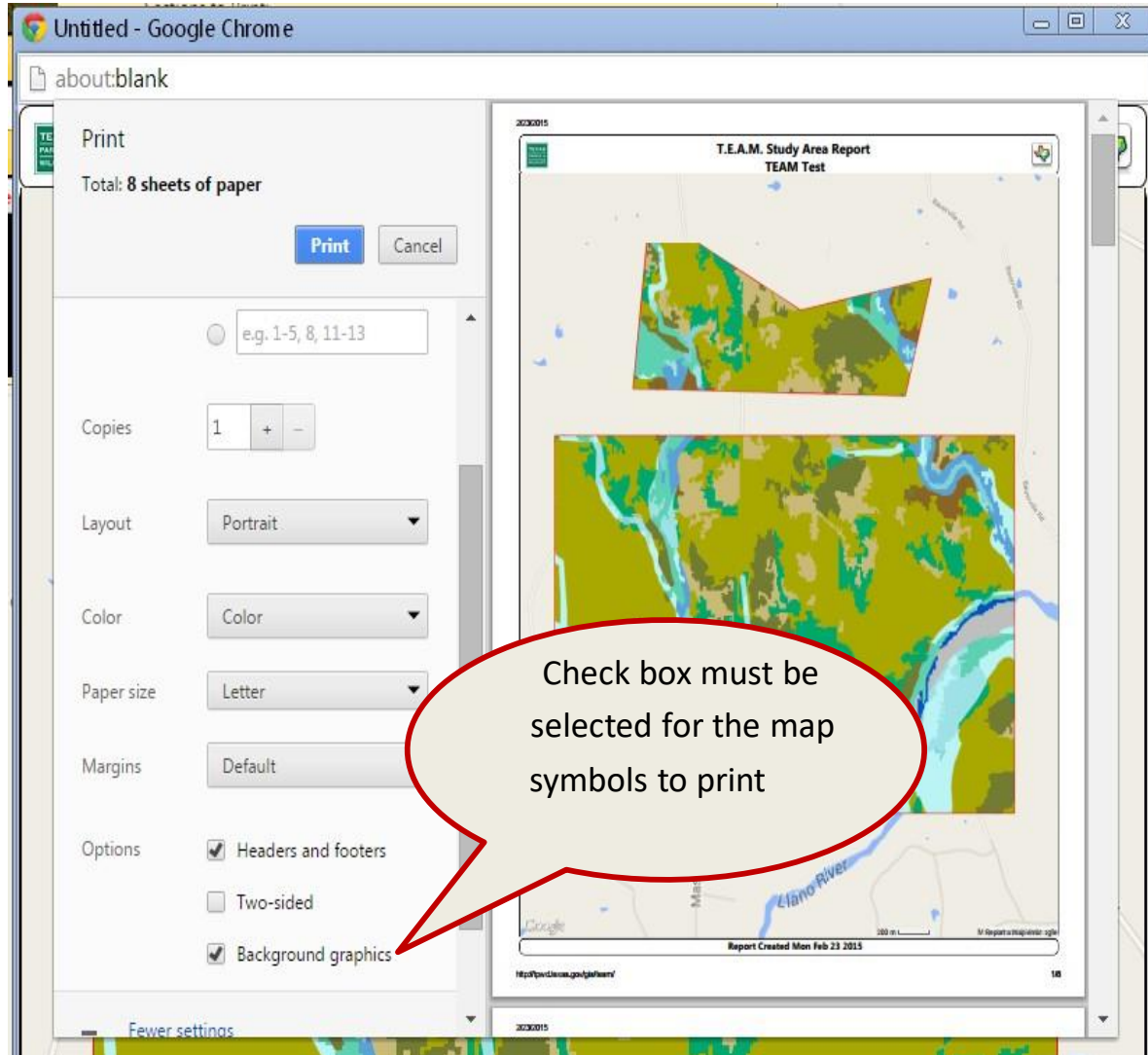


Select Map Print Area

-move the black box to fully encompass your study area

HINT: you may need to adjust the zoom level at the top of the screen in order to print your entire area

TEAM Analysis: Print Report, Print or Save to PDF



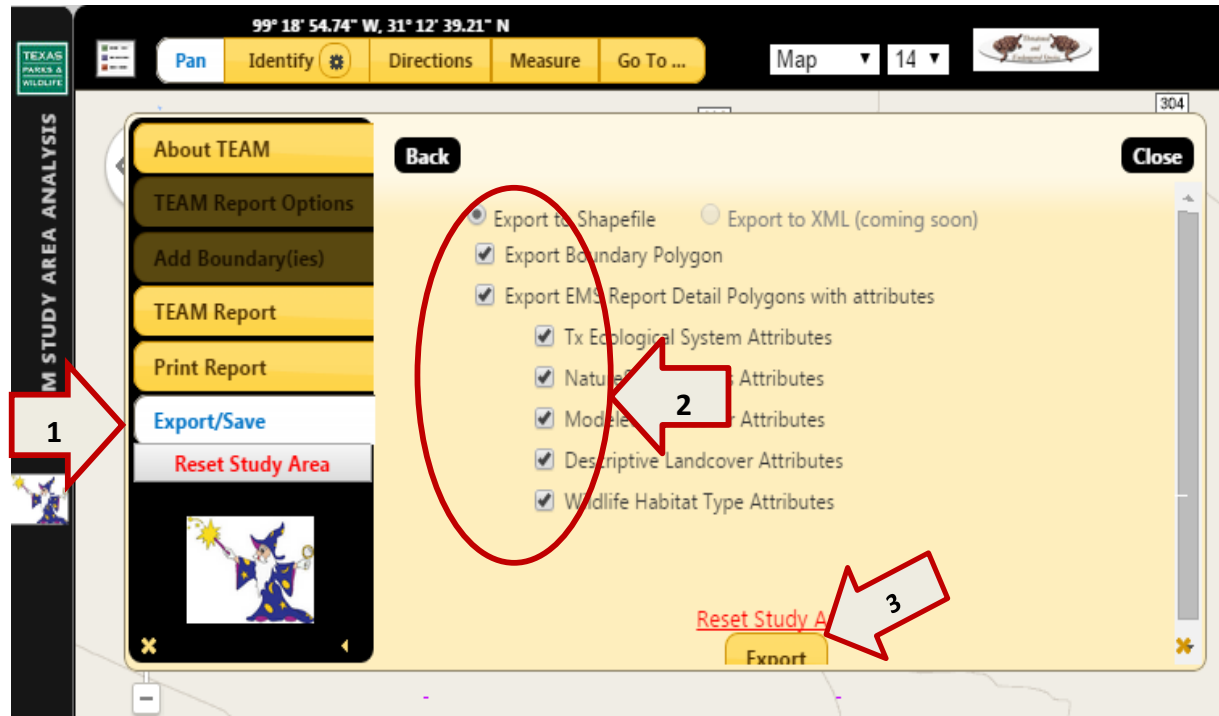
Print Report Or Save as PDF –Continued

Click on “Print Report” (make sure your study area is within the print box boundary and that you have selected everything you want in your report)

BEFORE PRINTING OR SAVING MAKE SURE TO CHECK GOOGLE CHROME PRINT SETTINGS FOR THE FOLLOWING;

-Check Box next to Background graphics (HINT: you may have to select “more settings” before you see this check box)

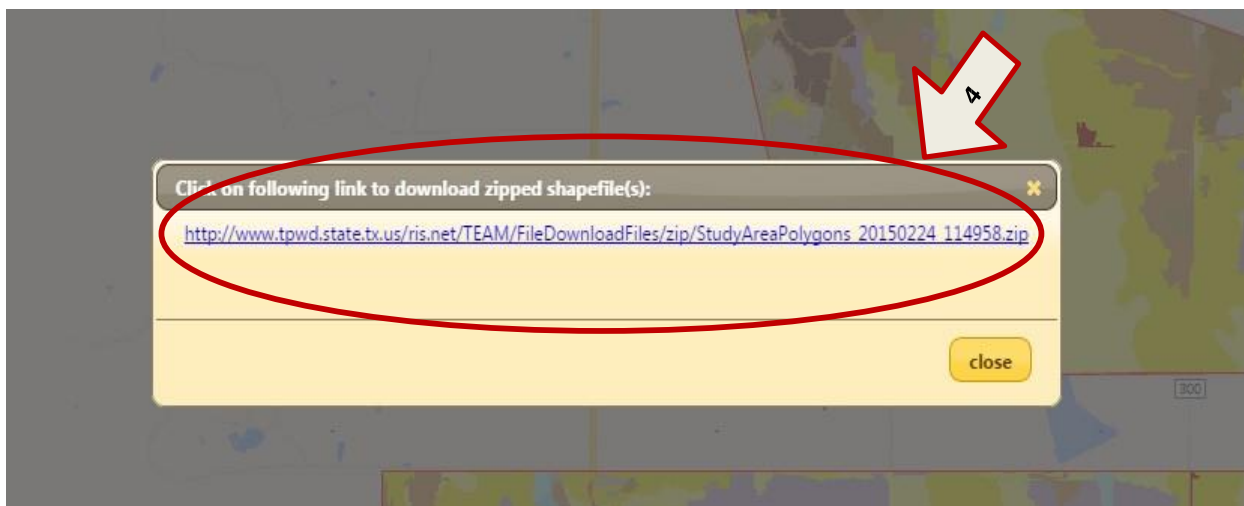
TEAM Analysis: Export to Shapefile



Export to Shapefile

-The study area along with the habitat attributes can be exported to a shapefile for conversion or use in other GIS software.

1. Click on the Export/Save Tab
2. Select the attributes you would like associated with the study area
3. Click on export
4. Click on the link to download the zipped files.



TEAM Analysis: Using the Accordion

The screenshot shows the 'TEAM Study Area Analysis' web application. The interface includes a sidebar on the left with a vertical title 'TEAM STUDY AREA ANALYSIS' and a main content area on the right. The sidebar contains a 'TEAM Report Options' section with checkboxes for 'Tx Ecological System', 'NatureServe EcoSys', 'Modeled Landcover', 'Descriptive Landcover', and 'Wildlife Habitat Type'. Below these are links for 'Select All Analysis Datasets' and 'UN-Select All Analysis Datasets', followed by an 'Add'l Analysis' section with a checkbox for 'Endangered Species County Intersection'. A 'Report Name' field is labeled 'Study Area' with a '(50 Characters Max)' note and a '*Required' label. The main content area has a 'Legend' panel with checkboxes for 'Counties' and 'LWRP'. A map is visible on the right side of the main content area. Annotations include: a red arrow pointing to the sidebar with the text 'Click to open & close'; a red arrow pointing to the top navigation bar with the text 'Click Tabs to open/close'; a red speech bubble pointing to the 'Legend' panel with the text 'Select Habitat types and other information to include within your report'; and a red arrow pointing to the 'Report Name' field with the text 'Name your report'.

Click to open & close

Click Tabs to open/close

Select Habitat types and other information to include within your report

Name your report

Choose Habitat Types and name Report in the "Report Options Tab"

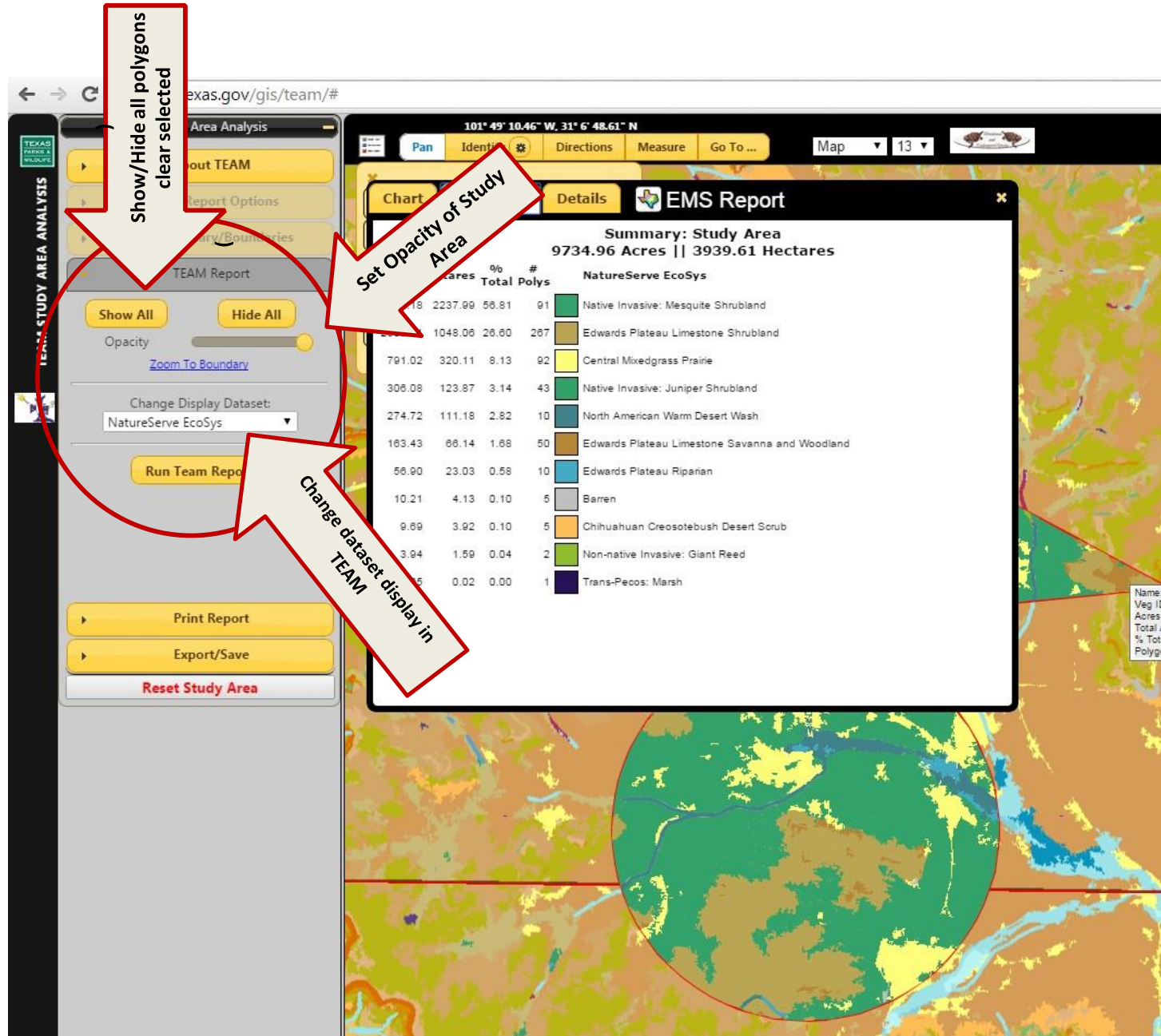
TEAM Analysis: Using the Accordion, Add Boundaries and Run Report

The screenshot displays the 'TEAM Study Area Analysis' web application. On the left is a vertical sidebar with the title 'TEAM STUDY AREA ANALYSIS' and a 'TEAM Report' button. The main interface features a top navigation bar with tabs: 'Pan', 'Identify', 'Directions', 'Measure', and 'Go To ...'. Below this is a 'Legend' panel with layers: 'Counties', 'LWRCRP Properties', 'Ecological Systems', 'SSURGO', and 'NHD', each with a checkbox and a color-coded swatch. A 'Zoom: 2' button and a 'Clear' button are also present. The central map area shows a topographic map with two large, semi-transparent blue polygons overlaid: a triangle pointing upwards and a circle below it. A red arrow points from the 'TEAM Report' button in the sidebar to the 'TEAM Report' button in the main interface. Another red arrow points from the 'TEAM Report' button in the main interface to the 'TEAM Report' button in the sidebar.

Add Boundaries Just like in the Wizard

When all boundaries have been added Run Report here or Select the "TEAM Report" Tab

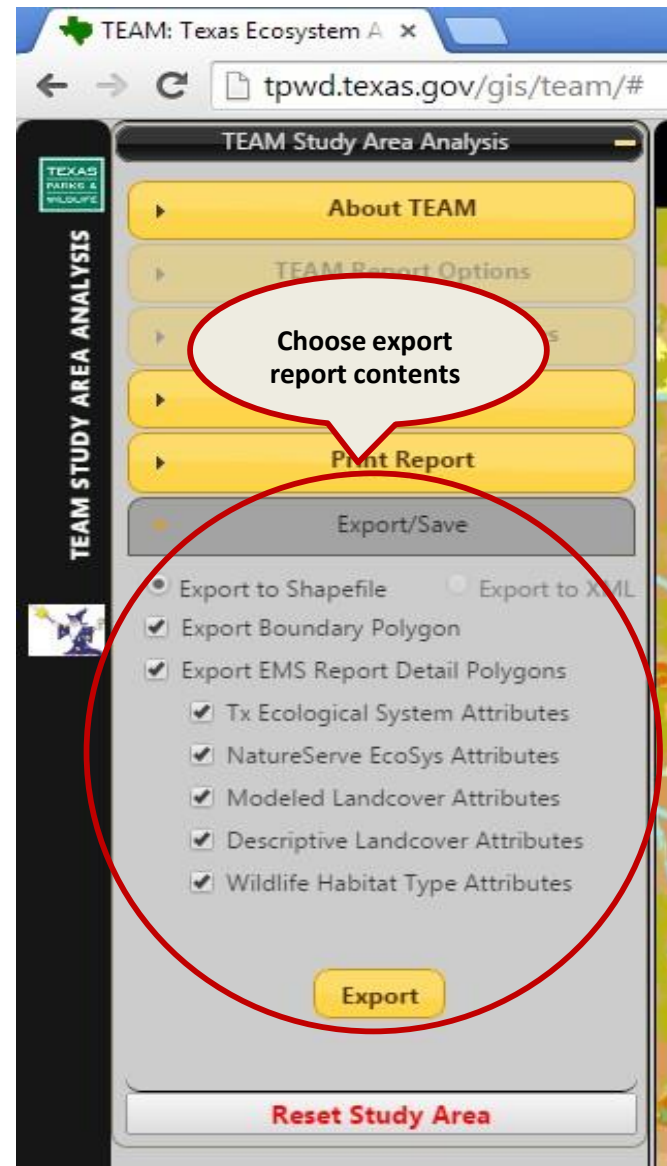
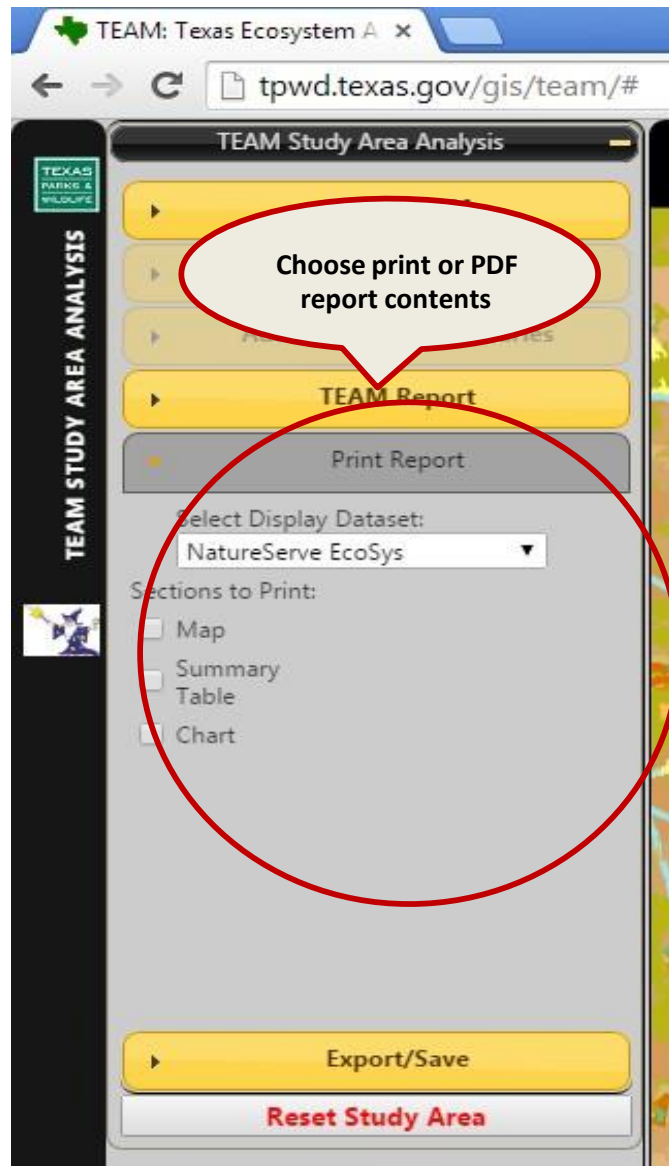
TEAM Analysis: Using the Accordion, Online Report



You can view the online report and look at charts and habitat types here.

Also get summary statistics.

TEAM Analysis: Using the Accordion, Online Report



Print and Export Tabs

Print Tab allows you to select your report options and Print or Save to PDF in Google.

Export Tab allows you to export report information as a shapefile or excel table.

TEAM Ground Truth : Citizen Science Vegetation Mapping Tool

About

TPWD's **TEAM Ground Truth** tool is a crowdsourcing application in the Ecological Mapping Systems delivery portal, TEAM. This tool allows users to provide feedback on mapped vegetation types both on their desktop and in the field using mobile devices. Partner organizations, naturalists, and citizens will have the ability to document plant communities via the data entry form. The crowdsourcing tool requires users to have/create a profile/login in order to track and save the vegetation information they are collecting. Once logged in users can highlight an area (polygon) in the existing Ecological Mapping Systems Map they would like to share information regarding. Once an area is selected, a simple data –entry form requires users to document the type of plant community, estimated area, and dominant species and upload a photo of the grassland. Users are also required to agree to a data sharing agreement prior to submitting feedback. All information will be automatically shared with TPWD staff and also saved to the user's profile. Users will also have the option to share the data with other "Ground-truthers" using the tool.

Ground Truth : Desktop Version

Click on TEAM Ground Truth Button at top of TEAM App

← → ↻ 🔒

tpwd.texas.gov/GIS/TEAM/

100° 4' 16.25" W, 30° 22' 17.44" N

Pan

Identify ⚙

Directions

Measure

Go To ...

Map ▾ 9 ▾

TEAM Ground Truth

About TEAM Ground Truth

View TEAM Ground Truth Submissions

Log In to TEAM Ground Truth

You must Log In to use the TEAM Ground Truth Module.

If you are not a registered user you can use a Guest login or create your own user login.

See About TEAM Ground Truth for more information.

Help & FAQs

Legend

Counties

LWRCRP Properties

Ecological Systems

SSURGO

NHD

Upload Statewide Layer

South Llano River

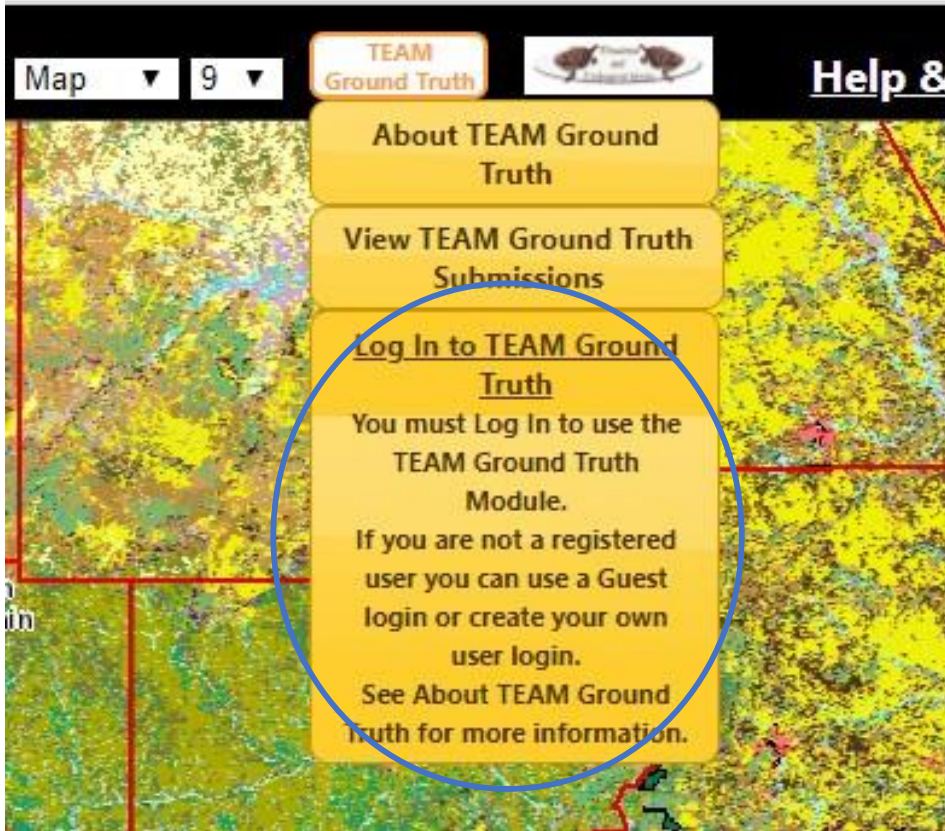
Mason Mountain

Balcones Canyonland

White

Ground Truth : User Account Login

To enter information on map accuracy and document plant communities, click on “Log In to TEAM Ground Truth”



We ask anyone planning to enter multiple data submission or who want to track their submissions to create a login. If you only plan to enter one ground truth submission, you can login as a guest. All guest submissions will be shared publicly.

If you are a **Registered** user,
Log In with your **Username** and **Password**.

If this is the **ONLY TEAM Ground Truth Observation** submission
you will make use the following
Username and **Password**:
Username: **Guest**
Password: **Guest1***
(Capital 'G', lowercase 'uest' - number one - star symbol *)

Username

Password

If you anticipate making multiple
TEAM Ground Truth submissions,
create a **Registered** user account.

Enter as a guest or use an existing login here

If this is your first time logging into the Ground Truth tool please create an account. Accounts allow you to view all of your submissions and have the option to keep your submissions private. Private submission will only be shared with TPWD.

Ground Truth : User Account Login

Enter all of the required information to create a user account. Make sure your username is unique and you have a secure password.

Public: Other Ground Truth users will be able to see your submissions. Other than your user name none of your personal information is viewable.

Private: Your submissions are only viewable to you and TPWD

Use Tab Key to move between fields

Username

Enter a Username with at least 3 characters.
Use your email address if desired.

Password

Password must consist of a minimum of 7
upper and lower case letters and numbers and
at least 1 special character (e.g., \$ # !)

Confirm
Password

Email Address

Enter your email address in the following
format xxx@xxx.com

Security
Question:
Security Answer:
First & Last
Name:

Enter a security question for password
retrieval.

Enter a security answer for password retrieval.

First and Last Name Required for Registration

Affiliation:

Affiliation Selection Required for Registration

Select Default: ☒ Public ☐ Private

You have the option of making your
observations
Public or Private.
Public observations are viewable by all users.
Private observations are viewable by yourself
and TPWD Landscape Ecology Program
personnel **ONLY**.

If Private is your default setting,
you can select to make individual observations
Public upon observation submission.

Slide Bar to the Right to enable Create User

Create User

Cancel Create User

Ground Truth : Accessing the Ground Truth Panel

TEXAS PARKS & WILDLIFE

TEAM STUDY AREA ANALYSIS

97° 1' 5.09" W, 35° 40' 34.74" N

Pan

Identify

Directions

Measure

Go To ...

Legend

Counties

Ecological Systems

SSURGO

LWRCRP Properties

NHD

Upload Statewide Layer

TEAM Ground Truth

About TEAM Ground Truth

View TEAM Ground Truth Submissions

Change Password

TEAM Ground Truth Panel

Log Out naturelover

Help & FAQs

Close

Clear

Log Out

Step 1: Select Existing TEAM Polygon

Click on Map

Geolocation

Enter Lat/Long

Step 2: Complete TEAM Ground Truth Record

Step 3: Submit TEAM Ground Truth Observation

After you login more Ground Truth options are available. To enter a data submission click on Ground Truth Panel.

Ground Truth : Accessing the Ground Truth Panel

97° 27' 24.37" W, 30° 16' 14.27" N

Pan Identify Directions Measure Go To ... Map 10 TEAM Ground Truth Help & FAQs

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Close Clear Log Out

Step 1: Select Existing TEAM Polygon

Click on Map Geolocation Enter Lat/Long

Step 2: Complete TEAM Ground Truth Record

Step 3: Submit TEAM Ground Truth Observation

Legend

- Counties
- LWRCP Properties
- Ecological Systems
- SSURGO
- NHD
- Upload Statewide Layer

Make sure the Ecological Systems map layer is active and you are zoomed in to a 7 or greater. You can turn other layers on as well.

Lyndon B. Johnson

Nicholson Ranch

Double Horn

Muleshoe

Turkey Bend

Pace Bend

Balcones Canyonlands

Whetstone Preserve

Balcones

Southwest Regional Park

Ivanhoe

Emma Long

Walnut Creek

Walter E. Long

Barton Creek Wilderness Park

Barton Creek Habitat Preserve

McKinney Roughs

Google

Ground Truth : Select an EMS Polygon to Edit or Confirm

Close Clear Log

Step 1: Select Existing TEAM Polygon

Click on Map Geolocation Enter Lat/Long

TEAM Ground Truth Map Click ☒ When this checkbox is checked, a click on the map will query for a TEAM Polygon.

Edwards Plateau: Ashe Juniper Motte and Woodland
Veg ID: 1101
Area (Sq Meters): 806213.1921837833

Description: Ashe juniper and plateau live oak are the most frequent dominants of this evergreen woodland. Some areas are characterized by nearly pure stands of Ashe juniper, while others have taller plateau live oaks with an understory of smaller Ashe juniper. Lacey oak and papershell pinyon may be important to the west, and white shin oak in the central and eastern part of the range. Persimmon and agarito are common shrubs.

Hectares (in Texas): 458226.88
NatServe EcoSys: Edwards Plateau Limestone Savanna and Woodland
NatServe Number: CES303.660
Descriptive Landcover: Conifer Forest
Modeled Landcover: NLEG Forest
Wildlife Habitat Type: Forests/Timberlands

Close Clear Log Out

Step 1: Select Existing TEAM Polygon

Click on Map Geolocation Enter Lat/Long

Enable Geolocation Disabled
☒ Center Map on Geolocation
☒ Zoom to Accuracy Radius

Urban High Intensity
Veg ID: 9410
Area (Sq Meters): 27450879.82088512

Description: This type consists of built-up areas and wide transportation corridors that are dominated by impervious cover.

Hectares (in Texas): 441198.29
NatServe EcoSys: Urban High Intensity
NatServe Number: Anthro10
Descriptive Landcover: Urban High
Modeled Landcover: Urban High
Wildlife Habitat Type: Other
[Show Image](#)
[Show Distribution Map](#)

Close Clear Log Out

Step 1: Select Existing TEAM Polygon

Click on Map Geolocation Enter Lat/Long

Latitude Longitude
Enter Coordinates: 30.377360 -97.915399
[Select TEAM Polygon using Latitude/Longitude](#)

Urban Low Intensity
Veg ID: 9411
Area (Sq Meters): 35174768.481242366

Description: This type includes areas that are built-up but not entirely covered by impervious cover, and includes most of the non-industrial areas within cities and towns.

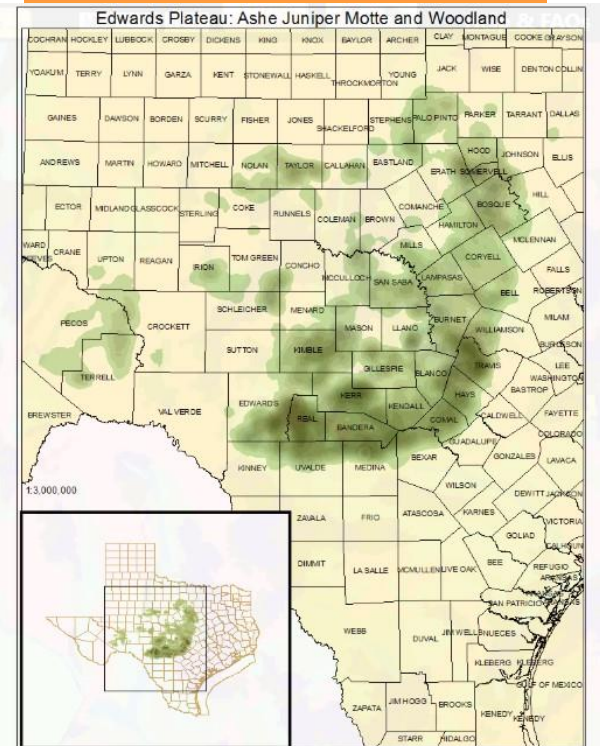
Hectares (in Texas): 1499888.96
NatServe EcoSys: Urban Low Intensity
NatServe Number: Anthro11
Descriptive Landcover: Urban Low
Modeled Landcover: Urban Low
Wildlife Habitat Type: Other
[Hide Image](#) [Enlarge Image](#)

“Click on Map” allows the user to select a polygon of a certain habitat on the map. It is best used if you know exactly where that polygon is located. Good for land managers and land owners.

“Geolocation” allows user to zoom to where they are and center the map on there location. This can be used to just locate your currently location on the map or to suggest an edit for the polygon of current location. Must click enable to use this feature.

“Enter Lat/Long” allows user to enter the coordinates from any location in Texas to edit that polygon. GPS coordinates, vegetation information, and a photo of the habitat are required.

Scroll down to view a photo
the Ecological System or a
Distribution Map.



Review the current mapped type (Ecological System).

Ground Truth : Complete Team Ground truth Record, Select Type

← → ↻

tpwd.texas.gov/gis/team/

📍 ⭐ 📄 🌐 🌍

⋮

97° 50' 21.23" W, 30° 21' 12.84" N

Pan Identify ⚙️ Directions Measure Go To ...

Map ▾ 15 ▾

TEAM Ground Truth

TEXAS PARKS & WILDLIFE

TEAM STUDY AREA ANALYSIS

Legend

Counties

LWRCRP Properties

Ecological Systems

SSURGO

NHD

Point

Point Event

Flow Direction

Waterbody

Area

Flowline

Line

Ground Truth will generate a list of Texas ecosystems for either the whole state (~400) or those located within a 2km radius. We recommend starting with the 2km list. Select the type you observe/observed at this location. Make sure to read the description many types are similar.

Close

Clear

Log Out

Step 1: Select Existing TEAM Polygon

Step 2: Complete TEAM Ground Truth Record

Existing TEAM Polygon CommonName/Veg ID: **Edwards Plateau: Ashe Juniper Motte and Woodland Veg ID: 1101**

Area (Sq Meters): 315808.87442296743

Selected TEAM Ground Truth CommonName/Veg ID: **Edwards Plateau: Savanna Grassland Veg ID: 1107**

Select Veg ID/Common Name

☐ Select from All TEAM Common Names List

☒ Select from 2 Kilometer Radius EMS List

Edwards Plateau: Savanna Grassland -- 1107

Edwards Plateau: Savanna Grassland Veg ID: 1107

Description: Grassland condition varies for this mapped type, but many areas contain non-native King Ranch bluestem as an important species, and Bermudagrass is also frequent. Common native grasses include little bluestem, sideoats grama, silver bluestem, Texas wintergrass, purple three-awn, and common curlymesquite. Trees and shrubs are usually

Select Dominant Landcover

Select Dominant Species

Select % Woody Cover

About TEAM Ground Truth

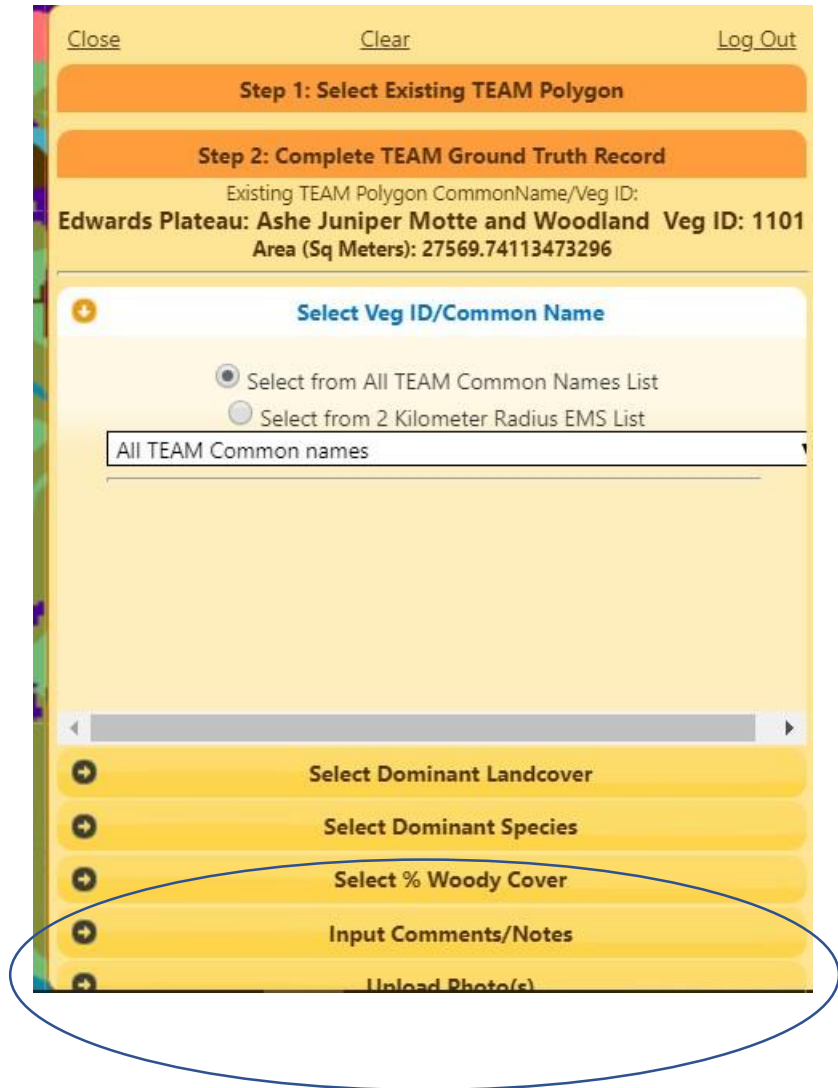
Change Password

TEAM Ground Truth Panel

Log Out

naturelover

Ground Truth : Desktop Fix for Step 2



Close Clear Log Out

Step 1: Select Existing TEAM Polygon

Step 2: Complete TEAM Ground Truth Record

Existing TEAM Polygon CommonName/Veg ID:
Edwards Plateau: Ashe Juniper Motte and Woodland Veg ID: 1101
Area (Sq Meters): 27569.74113473296

Select Veg ID/Common Name

☒ Select from All TEAM Common Names List
☐ Select from 2 Kilometer Radius EMS List

All TEAM Common names

Select Dominant Landcover

Select Dominant Species

Select % Woody Cover

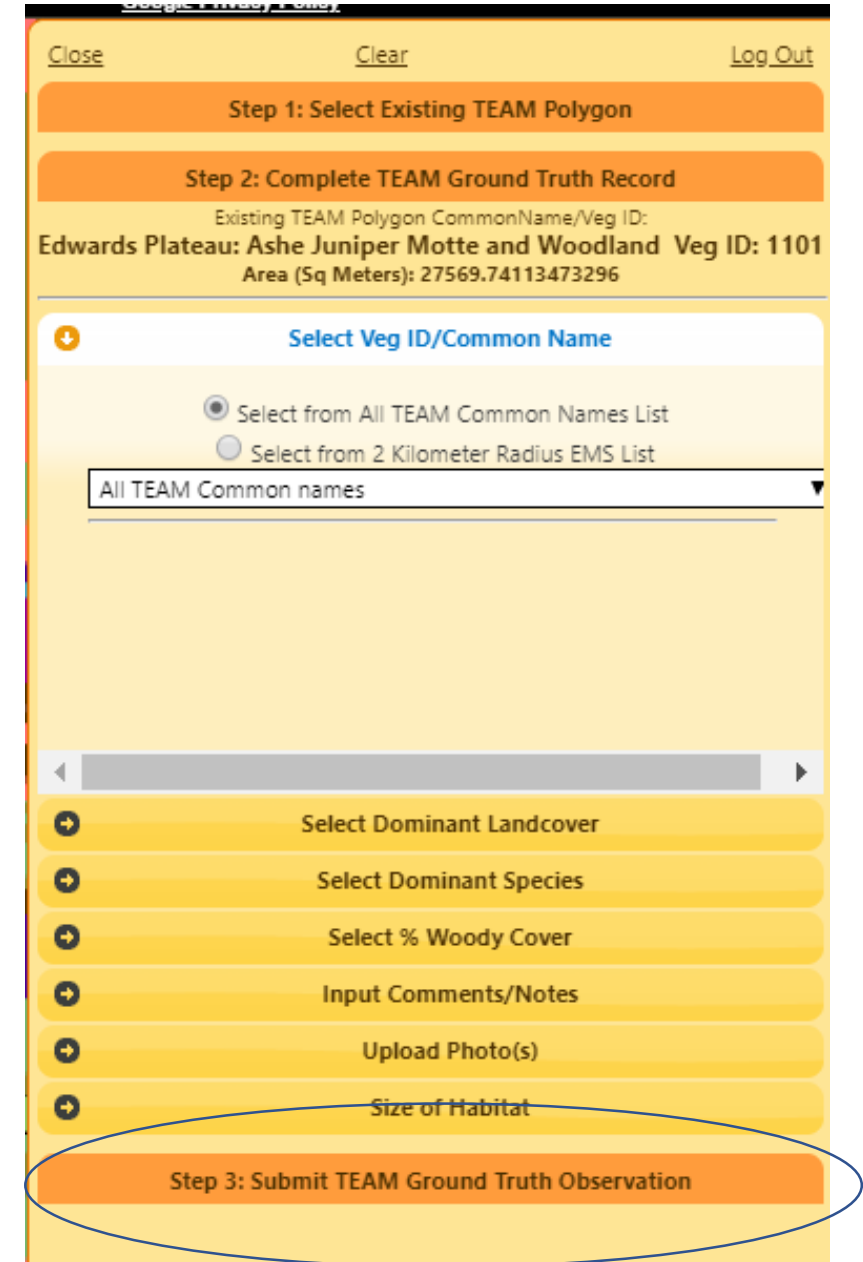
Input Comments/Notes

Upload Photo(s)

If the Ground Truth Pane is cut off at the bottom of your screen (Left) adjust settings in Chrome until it looks like the on the right:

Zoom in or out on your current page
Use the zoom options to make everything on a webpage larger or smaller.

On your computer, open Chrome.
At the top right, click More.
Next to "Zoom," choose the zoom options you want:
Make everything larger: Click Zoom in Zoom in.
Make everything smaller: Click Zoom out Zoom out.
Use full-screen mode: Click Full screen Full screen.



Close Clear Log Out

Step 1: Select Existing TEAM Polygon

Step 2: Complete TEAM Ground Truth Record

Existing TEAM Polygon CommonName/Veg ID:
Edwards Plateau: Ashe Juniper Motte and Woodland Veg ID: 1101
Area (Sq Meters): 27569.74113473296

Select Veg ID/Common Name

☒ Select from All TEAM Common Names List
☐ Select from 2 Kilometer Radius EMS List

All TEAM Common names

Select Dominant Landcover

Select Dominant Species

Select % Woody Cover

Input Comments/Notes

Upload Photo(s)

Size of Habitat

Step 3: Submit TEAM Ground Truth Observation

Ground Truth : Complete Team Ground truth Record, Select Dominant Landcover

[Close](#) [Clear](#) [Log Out](#)

Step 1: Select Existing TEAM Polygon

Step 2: Complete TEAM Ground Truth Record

Existing TEAM Polygon CommonName/Veg ID:
Edwards Plateau: Ashe Juniper Motte and Woodland Veg ID: 1101
Area (Sq Meters): 27569.74113473296

Selected TEAM Ground Truth CommonName/Veg ID:
Edwards Plateau: Savanna Grassland Veg ID: 1107

Select Veg ID/Common Name

Select Dominant Landcover

Grass ▼

Select Dominant Species

Select % Woody Cover

Input Comments/Notes

Upload Photo(s)

Size of Habitat

Step 3: Submit TEAM Ground Truth Observation

Once you select the Ecological System (habitat type) you observed, Ground Truth will generate a list of possible landcover types.

Select the one that most closely matches your observation.

Land cover generally refers to the surface cover on the ground. Either natural, like vegetation, or man-made like, urban infrastructure.

Land Cover Types in Ground Truth:

Grass-area greater than 50% herbaceous cover

Shrubs-area greater than 50% shrub cover (woody species under 15ft. in height)

Trees-area greater than 50% tree cover (woody species over 15ft. In height)

Water-area dominated by open water (pond, river, lake, etc...)

Man-made – area dominated by man-made surface, building or other infrastructure

Other – any type that is not defined by above categories of land cover

Ground Truth : Complete Team Ground Truth Record, Dominant Species and % Woody Cover

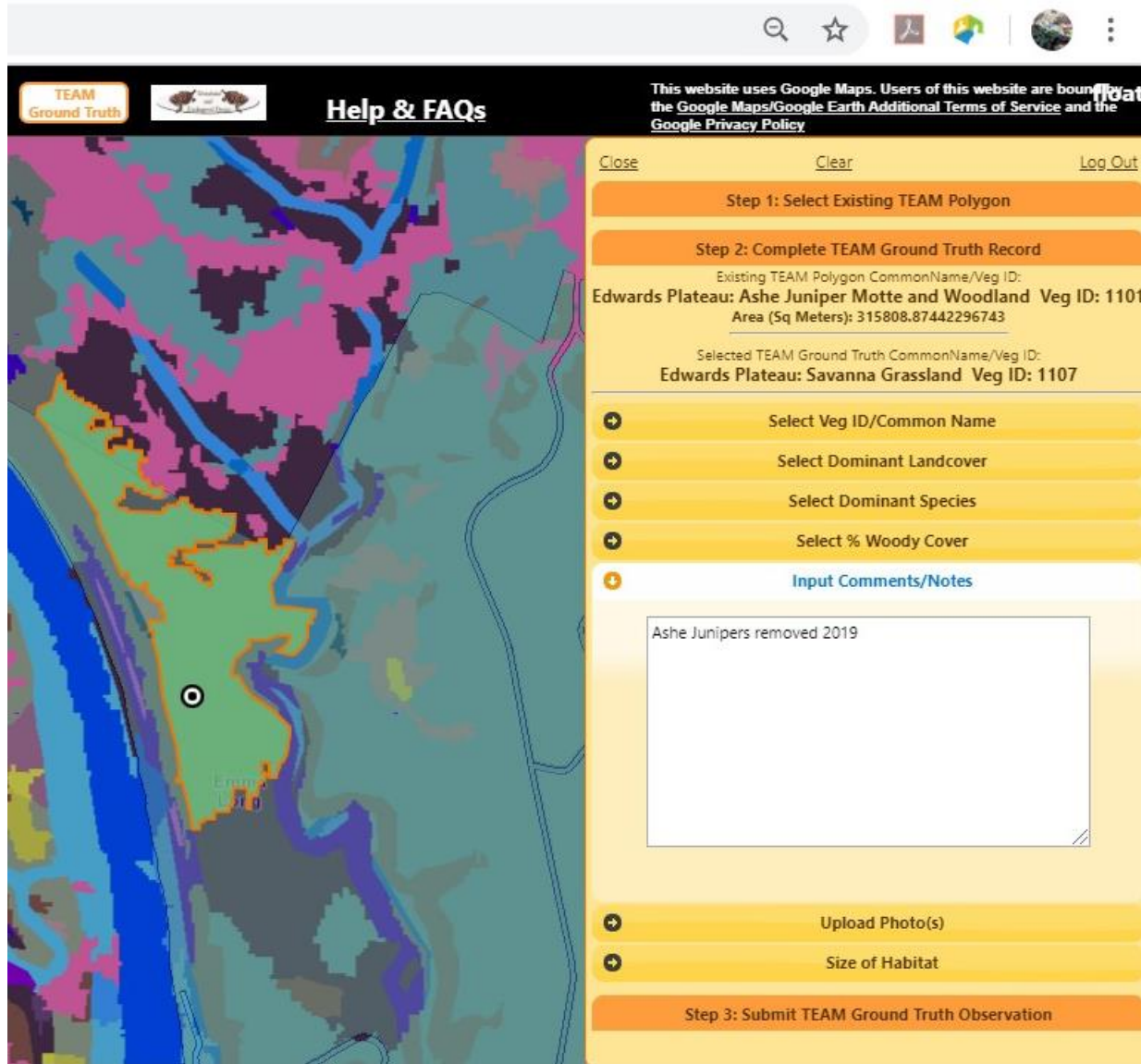
This screenshot shows the 'Select Dominant Species' section of a form. It includes a list of species with checkboxes: hairy grama, hairy grama, hairy tridens, Indiangrass, King Ranch bluestem, King Ranch bluestem, little bluestem, little bluestem, and plateau live oak. The checkboxes for hairy tridens, King Ranch bluestem, and little bluestem are checked. Below this section are buttons for 'Select % Woody Cover', 'Input Comments/Notes', 'Upload Photo(s)', and 'Size of Habitat'. At the bottom is an orange button labeled 'Step 3: Submit TEAM Ground Truth Observation'.

Select the species that are most common or visually dominant in the ecosystem you are documenting.

This screenshot shows the 'Select % Woody Cover' section of a form. It features a dropdown menu currently displaying '0-5%'. Below this section are buttons for 'Input Comments/Notes', 'Upload Photo(s)', and 'Size of Habitat'. At the bottom is an orange button labeled 'Step 3: Submit TEAM Ground Truth Observation'.

Estimate the amount of woody species cover (trees or shrubs) you observe in your observation area.

Ground Truth : Complete Team Ground Truth Record, Comments/Notes



TEAM Ground Truth

Help & FAQs

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Close Clear Log Out

Step 1: Select Existing TEAM Polygon

Step 2: Complete TEAM Ground Truth Record

Existing TEAM Polygon CommonName/Veg ID:
Edwards Plateau: Ashe Juniper Motte and Woodland Veg ID: 1101
Area (Sq Meters): 315808.87442296743

Selected TEAM Ground Truth CommonName/Veg ID:
Edwards Plateau: Savanna Grassland Veg ID: 1107

Select Veg ID/Common Name

Select Dominant Landcover

Select Dominant Species

Select % Woody Cover

Input Comments/Notes

Ashe Junipers removed 2019

Upload Photo(s)

Size of Habitat

Step 3: Submit TEAM Ground Truth Observation

The Comments or Notes box is for you to provide any other information regarding the ecological system you observed or the current TPWD mapped type.

Examples include: other important species not in the list, land management actions taken, or other plant communities that may occur within the area you observed.

Ground Truth : Complete Team Ground Truth Record, Upload Photo

[Google Privacy Policy](#)

[Close](#) [Clear](#) [Log Out](#)

Step 1: Select Existing TEAM Polygon

Step 2: Complete TEAM Ground Truth Record

Existing TEAM Polygon CommonName/Veg ID:
Edwards Plateau: Ashe Juniper Motte and Woodland Veg ID: 1101
Area (Sq Meters): 315808.87442296743

Selected TEAM Ground Truth CommonName/Veg ID:
Edwards Plateau: Savanna Grassland Veg ID: 1107

+

Select Veg ID/Common Name

+

Select Dominant Landcover

+

Select Dominant Species

+

Select % Woody Cover

+

Input Comments/Notes

+

Upload Photo(s)

After uploading your photo,
you can add a comment for the photo.

Upload Photo

- 20200420_134215_Edwards_Plateau-Savanna_Grassland-2095.jpg [edit](#)
Photo Comment: grassland

+

Size of Habitat

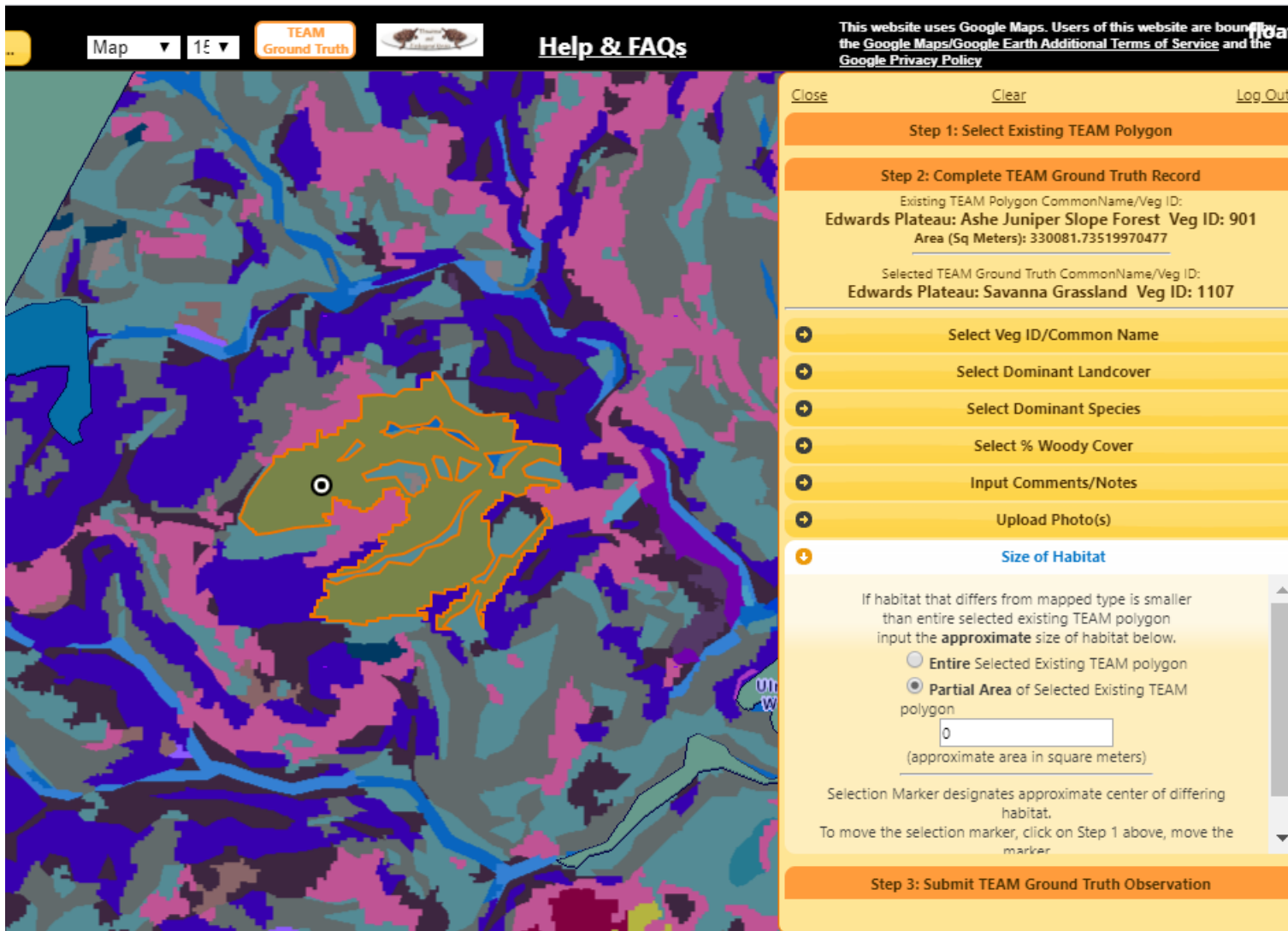
Step 3: Submit TEAM Ground Truth Observation

Photos of the Ecological System (habitat) are an essential part of TPWD verifying your observation. Use the “Upload Photo” button to send a photo of the habitat at your observation location.

While not required, the best practice is to date the photo and an even better practice is to have a geolocation tag on the photo.



Ground Truth : Complete Team Ground Truth Record, Size of Habitat



Map 1E TEAM Ground Truth Help & FAQs

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Close Clear Log Out

Step 1: Select Existing TEAM Polygon

Step 2: Complete TEAM Ground Truth Record

Existing TEAM Polygon CommonName/Veg ID:
Edwards Plateau: Ashe Juniper Slope Forest Veg ID: 901
Area (Sq Meters): 330081.73519970477

Selected TEAM Ground Truth CommonName/Veg ID:
Edwards Plateau: Savanna Grassland Veg ID: 1107

Select Veg ID/Common Name

Select Dominant Landcover

Select Dominant Species

Select % Woody Cover

Input Comments/Notes

Upload Photo(s)

Size of Habitat

If habitat that differs from mapped type is smaller than entire selected existing TEAM polygon input the **approximate** size of habitat below.

☐ Entire Selected Existing TEAM polygon

☒ Partial Area of Selected Existing TEAM polygon

0 (approximate area in square meters)

Selection Marker designates approximate center of differing habitat.
To move the selection marker, click on Step 1 above, move the marker

Step 3: Submit TEAM Ground Truth Observation

Let us know if the ecological system you observed is approximately the same size as the original mapped habitat type by selecting “**Entire** Existing TEAM Polygon”

If the are of your observation is significantly smaller or larger then the original TEAM Polygon then select “**Partial Area** of Selected Existing TEAM polygon”

Next, enter an approximate size of area in square meters.

NOTE: If you are estimating area in Acres use an online converter like this one:

<https://www.thecalculatorsite.com/conversion/area/square-meters-to-acres.php>

Ground Truth : Review Observation and Submit

Step 3: Submit TEAM Ground Truth Observation

Suggested TEAM:

Juniper mottle and woodlands

Veg ID: 1107 Edwards Plateau: Savanna Grassland

Dominant Landcover:

Grass

Dominant Species:

Ashe juniper, hairy grama, hairy tridens, Indiangrass, little bluestem

% Woody Cover:

0-5%


Comments

Photos

Recently burned

20200429_103359_Annual_Grass-Forb_Pasture-206.jpg

Photo Comment: grassland



Submit Ground Truth Observation

tpwd.texas.gov says

Thank you for submitting a TEAM Ground Truth Observation!


OK

Review all of the information regarding the ecological system you observed, and view the photo you are submitting.

If correct click the “**Submit Ground Truth Observation**”

You should receive a Thank you pop-up at the top of the website. You can view all of your submissions by going back to the TEAM Ground Truth pull down menu.

TEAM Ground Truth



About TEAM Ground Truth

View TEAM Ground Truth Submissions

TEAM Ground Truth Panel

Change Password

Log Out naturelover

Ground Truth : Login to View Ground Truth Submissions

TEAM Ground Truth Observations Login

You must sign in to view TEAM Ground Truth Observations.

Already have an account? Sign in below.

Username

Password

Sign In

I Forgot My Password

OR sign in as Guest

View as Guest

Use same login username and password as TEAM Ground Truth citizen science tool.

Ground Truth : View Submissions

TEXAS
PARKS &
WILDLIFE

TEAM Ground Truth Observations

Menu

List Observations... (34)

with Status

submitted by User

with Affiliation

located in Geography

All

All

All

All Counties

Observations:

Clear All

Export Selected to Shapefile

Select All

Map Selected

Status:

Record Date

User

County

Current EMS: Veg_ID: Common Name

Suggested EMS: Veg_ID: Common Name

Landcover, Species, % Woody Cover

Habitat Size (if < original TEAM Polygon)

Comments

<input type="checkbox"/>	Map It	Status: New	04/29/2020	naturelover, TPWD Biologist	Travis
Current EMS: 1101: Edwards Plateau: Ashe Juniper Motte and Woodland					
Suggested EMS: 1107: Edwards Plateau: Savanna Grassland					
Landcover: Grass Species: Ashe juniper, hairy grama, hairy tridens, Indiangrass, little bluestem					
% Woody Cover: 0-5%					
Comments: Recently burned					
<input type="checkbox"/>	Map It	Status: New	04/27/2020	Guest, Non-profit Conservation Professional	Val Verde
Current EMS: 1207: Edwards Plateau: Semi-arid Grassland					
Suggested EMS: 902: Edwards Plateau: Live Oak Slope Forest					
Landcover: Other Species: agarito, Ashe juniper, cedar elm					
% Woody Cover: 51-75%					
Comments: hhhhh					
<input type="checkbox"/>	Map It	Status: New	04/27/2020	vivtest10, Land Manager/Owner	Presidio
Current EMS: 8306: Trans-Pecos: Mixed Desert Shrubland					
Suggested EMS: 11704: Trans-Pecos: Lower Montane Riparian Woodland					
Landcover: Man-Made Species: alkali sacaton, Apache plume, Arizona cottonwood					
% Woody Cover: 26-50%					
Comments: gggggg					

Filter by Status, User, Affiliation or Geography

Ground Truth : Filter

with Status

subm

Reviewed

Observations:

[Clear All](#)

[Export Selected to Shapefile](#)

Status:

Record Date

Current EMS: Veg_ID: Common Name

Suggested EMS: Veg_ID: Common Name

Landcover, Species, % Woody Cover

Habitat Size (If < original TEAM Polygon)

[Select All](#)

[Map Selected](#)

Comments

with Status

submitted by User

All

naturelover

Observations:

[Clear All](#)

[Export Selected to Shapefile](#)

Status:

Record Date

User

Current EMS: Veg_ID: Common Name

Suggested EMS: Veg_ID: Common Name

Landcover, Species, % Woody Cover

Habitat Size (If < original TEAM Polygon)

[Select All](#)

[Map Selected](#)

Comments

☐

[Map It](#)

Status: **New**

04/29/2020

naturelover, TPWD Biologist

Current EMS: 1101: Edwards Plateau: Ashe Juniper Motte and Woodland

Suggested EMS: 1107: Edwards Plateau: Savanna Grassland

Landcover: Grass

Species: Ashe juniper, hairy grama, hairy tridens, Indiang

Comments: Recently burned

☐

[Map It](#)

Status: **New**

04/20/2020

naturelover, TPWD Biologist

Current EMS: 1101: Edwards Plateau: Ashe Juniper Motte and Woodland

Suggested EMS: 1107: Edwards Plateau: Savanna Grassland

Landcover: Grass

Species: Ashe juniper, hairy grama, hairy grama, sideoats

Habitat Size: 50 sq meters

Comments: Ashe Junipers removed 2019

You can also filter by user affiliation or county.

Filter by Status: Allows users to view, new submissions, TPWD reviewed submissions, or those exported by TPWD

Filter by User, view only your own records or those of any user who is sharing information publicly.

Ground Truth : Filter

Select Map it on any publicly available submission to see the location of the Ground Truth data.

with Status
submitted by User

All
naturelover

Observations:

[Clear All](#)
[Export Selected to Shapefile](#)

	Status:	Record Date	User
Current EMS: Veg_ID: Common Name			
Suggested EMS: Veg_ID: Common Name			
Landcover, Species, % Woody Cover			
Habitat Size (if < original TEAM Polygon)			
Comments			

[Select All](#)
[Map Selected](#)

<input type="checkbox"/>	Map It	Status: New	04/29/2020	naturelover, TPWD Bi
Current EMS: 1101: Edwards Plateau: Ashe Juniper Motte and Woodland				
Suggested EMS: 1107: Edwards Plateau: Savanna Grassland				
Landcover: Grass Species: Ashe juniper, hairy grama, hairy tride				
Comments: Recently burned				
<hr/>				
<input type="checkbox"/>	Map It	Status: New	04/20/2020	naturelover, TPWD Bi
Current EMS: 1101: Edwards Plateau: Ashe Juniper Motte and Woodland				
Suggested EMS: 1107: Edwards Plateau: Savanna Grassland				
Landcover: Grass Species: Ashe juniper, hairy grama, hairy gram				
Habitat Size: 50 sq meters				
Comments: Ashe Junipers removed 2019				

← Back

Status: New 04/29/2020
naturelover
TPWD Biologist

[Zoom to TEAM Polygon](#)

Current EMS

/eg ID: 1101 Edwards Plateau: Ashe Juniper Motte and Woodland
County: Travis

[Show/Hide Description](#)
[Show/Hide Image](#)
[Show/Hide Distribution Map](#)

Suggested EMS


/eg ID: 1107 Edwards Plateau: Savanna Grassland
[Show/Hide Description](#)
[Show/Hide Image](#)
[Show/Hide Distribution Map](#)

Dominant Landcover: Grass
Dominant Species: Ashe Juniper, hairy grama, hairy ridens, Indiangrass, little bluestem
% Woody Cover: 0-5%

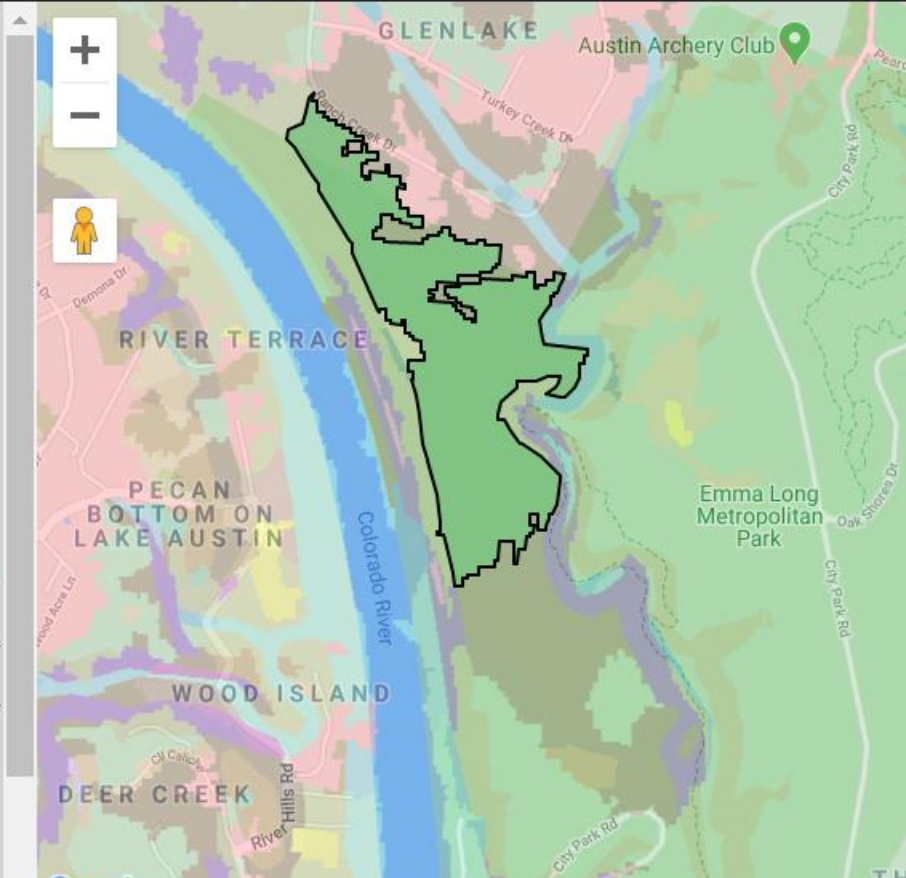
Comments

Recently burned

Photos




TEAM Ground Truth Observation Page



Ground Truth : Export

To export shapefiles of data submissions please select the Ground Truth records you are interested in and click on **Export Selected** at the top of the page

 **TEAM Ground Truth Observations** Menu

with Status

submitted by User

with Affiliation

located in Geography

All

All

All

All Counties


Observations:

[Clear All](#) [Export Selected to Shapefile](#)

[Select All](#)

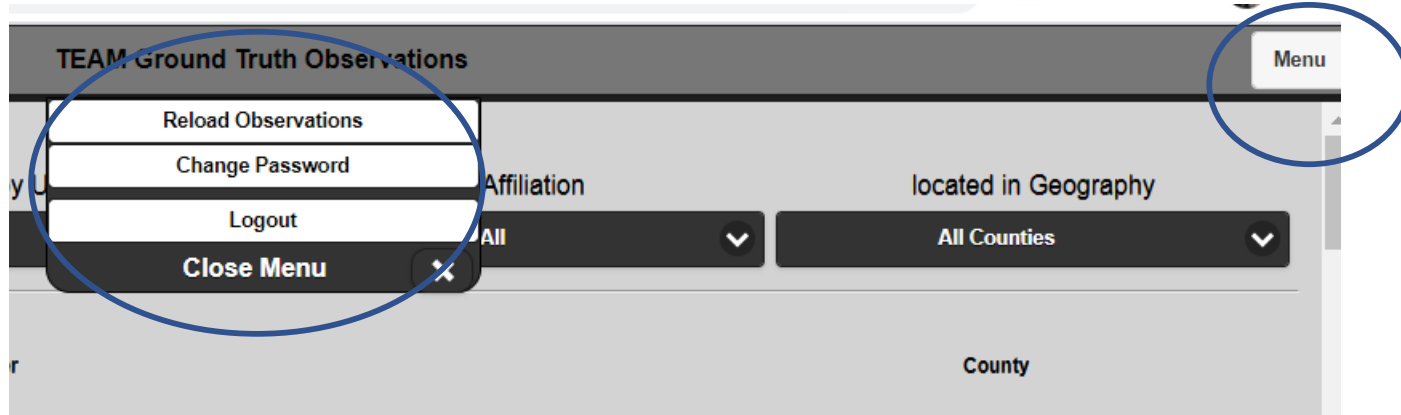
[Map Selected](#)

		Status:	Record Date	User	County
		Current EMS: Veg_ID: Common Name			
		Suggested EMS: Veg_ID: Common Name			
		Landcover, Species, % Woody Cover			
		Habitat Size (if < original TEAM Polygon)			
		Comments			
<input checked="" type="checkbox"/>	Map It	Status: New	04/29/2020	naturelover, TPWD Biologist	Travis
		Current EMS: 1101: Edwards Plateau: Ashe Juniper Motte and Woodland			
		Suggested EMS: 1107: Edwards Plateau: Savanna Grassland			
		Landcover: Grass	Species: Ashe juniper, hairy grama, hairy tridens, Indiangrass, little bluestem		% Woody Cover: 0-5%
		Comments: Recently burned			
<input checked="" type="checkbox"/>	Map It	Status: New	04/27/2020	Guest, Non-profit Conservation Professional	Val Verde
		Current EMS: 1207: Edwards Plateau: Semi-arid Grassland			
		Suggested EMS: 902: Edwards Plateau: Live Oak Slope Forest			
		Landcover: Other	Species: agarito, Ashe juniper, cedar elm		% Woody Cover: 51-75%
		Comments: hhhhh			
<input checked="" type="checkbox"/>	Map It	Status: New	04/27/2020	vivtest10, Land Manager/Owner	Presidio
		Current EMS: 8306: Trans-Pecos: Mixed Desert Shrubland			

 EMSFBPolygonExp....zip ^

Show all ×

Ground Truth : Logout



To logout of your account, refresh/reload Ground Truth Observations, or change your password click on the menu button in the upper right-hand corner of the website.

A pop-up will appear in the middle of the screen, make a selection.

Texas Parks and Wildlife Department

<https://tpwd.texas.gov/>

Landscape Ecology Homepage

<https://tpwd.texas.gov/landwater/land/programs/landscape-ecology/>

Ecological Mapping Systems of Texas Project Website

<https://tpwd.texas.gov/landwater/land/programs/landscape-ecology/ems/>

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