



Mapping and Data Management



Longleaf Pine
Stand Dynamics
Laboratory

Presented by

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Alabama Forest Landowners Annual Meeting
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Alabama AGM and
Auburn Universities

Breakout Session Outline

- Introduction and Objectives
- Online Mapping and Spatial Resources Booklet
 - USDA/NRCS Web Soil Survey
 - Google Earth
 - Alabama Historic Photo Archive
 - USDA NRCS Geospatial Data Gateway
 - USDA Agroforestry Center CanVis
- Additional Online Mapping Options
- Alabama Assessor and Property Tax Directory
- US Dept of the Interior BLM Land Record Searches
- Data Management and Record Keeping
- Question and Answer Session

Introductions

- My background
- Who is attending (private landowners, conservation professionals, others)?
- Why are you interested in online mapping?
- What types of maps do you want to create?

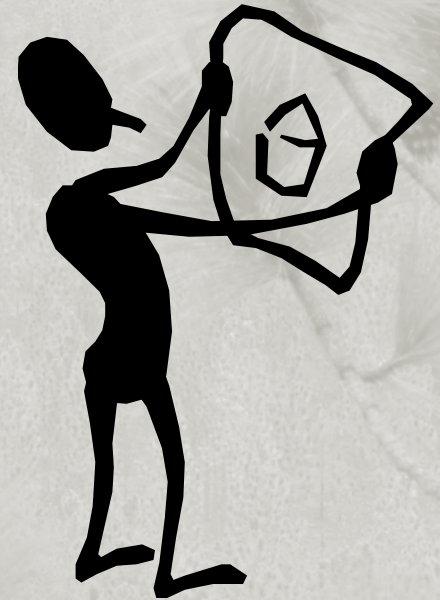
Spatial Opportunities

- Emerging technology
- Basic navigation
- Identify site and stand locations
- Planning and management activities
- Storing and sharing information
- Tools often available online and free



Why Are You Interested in Maps?

- Online mapping and spatial resources
 - Simple Monitoring and Planning
 - Natural Resource Management
- Property searches
 - Tax and appraisal information
- Historical information
 - Land patents
 - Survey notes
- Data management and record keeping



Identify Areas of Interest

- Property boundaries
- Timber stands
- Roads
- Gates
- Streamside Management Zones (SMZs)
- Stream Crossings
- Logging decks and hazards
- Wildlife food plots
- Burn plans
- Pastures
- Hunting leases
- Agroforestry/silvopasture areas



Image US Geological Survey © 2012 Google

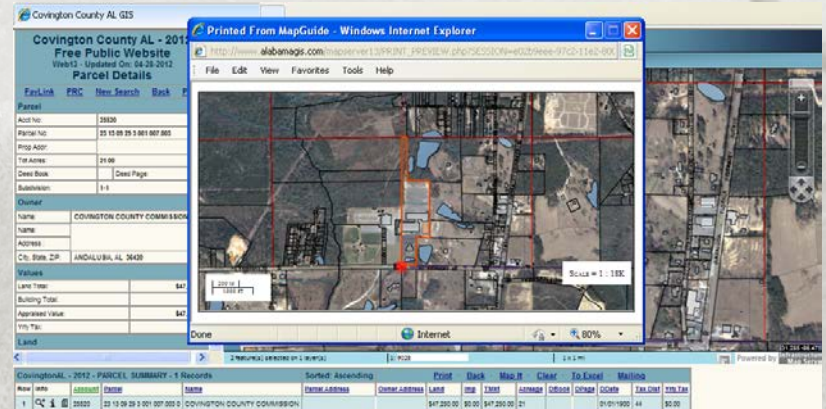
Basic Types of Maps

- Stand map
- Aerial photography
- Topographic
- Soils information



Other Types of Information

- Parcel data and tax information
- Historical aerial photographs
- Land patent or surveyors notes



470



The United States of America,


TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETING:

Homestead Certificate No. 12147 }
Application 21198 }
United States a CERTIFICATE of the Register of the Land Office at Montgomery
Alabama, whereby it appears that, pursuant to the Act of Congress approved
20th May, 1862, "To secure Homesteads to actual settlers on the public domain," and the acts
supplemental thereto, the claim of Edgar J. Albritton has been
established and duly consummated in conformity to law for the North East quarter
of The North East quarter of Section Twenty in Township
four North of Range Sixteen East of St. Stephens
Meridian in Alabama, containing Thirty nine acres
and eighty six hundredths of an acre

Mapping Opportunities

- Have you ever been interested in making maps for your property?
- Are you worried it will be too technical or complicated?
- Do you have a computer and internet access?



An aerial photograph of a vast, green forested landscape. In the distance, a small town or village is visible, surrounded by more trees. The entire image is overlaid with a faint, semi-transparent grid pattern, suggesting a mapping or GIS application. The text "Online Mapping and Spatial Resources" is centered in the middle of the image.

Online Mapping and Spatial Resources



Mapping Your Land: An Overview for Landowners

Online Mapping and Spatial Resources
for the Private Forest Landowner



Longleaf Pine
Stand Dynamics
Laboratory



www.auburn.edu



Online Mapping and Spatial Resources for the Private Forest Landowner

- Funding from an Alabama Forests Forever Grant
- 225 copies printed
- See Longleaf Pine Stand Dynamics Lab website:
<http://www.lpsdl.auburn.edu/>
- Booklet available online at:
http://www.lpsdl.auburn.edu/pdfs/MappingBook_FINAL.pdf

How to Use this Booklet

- Designed for private landowners and conservation professionals
- Provides tutorial information with to help users to make maps, acquire, and store data for an area of interest
- Focus on stand maps, aerial photography, topographic, and soils information
- 5 sections, each with keywords, homepage links, tutorial information, examples, screen-shots, and tips

Disclaimer

- These examples are for educational purposes only. There are no guarantees of any kind. The user assumes all risks with viewing, downloading, saving etc. online programs and products. The user is responsible for determining if the needed level of accuracy of the data meets the desired level for decision making. The authors are not liable or responsible for the use or incorrect use of this data. No guarantees, warranties, etc. are made, expressed, or implied for this brochure (including but not limited to accuracy, completeness, etc). Use this information at your own risk and liability. Please use the credit information when displaying, summarizing, or using all or any part of this information. Please note that websites are constantly changing and being updated, and links and screenshots may not match exactly as these updates are completed.

Section 1: USDA Natural Resources Conservation Service (NRCS) Web Soil Survey

The screenshot displays the USDA Natural Resources Conservation Service (NRCS) Web Soil Survey website. The browser window shows the URL <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>. The page header includes the USDA logo and the text "United States Department of Agriculture Natural Resources Conservation Service". The main navigation bar contains links for "Contact Us", "Download Soils Data", "Archived Soil Surveys", "Soil Survey Status", "Glossary", "Preferences", "Link", "Logout", and "Help". Below this, there are four tabs: "Area of Interest (AOI)", "Soil Map", "Soil Data Explorer", and "Shopping Cart (Free)".

The "Area of Interest (AOI)" tab is active, showing a search bar and a "Search" button. Below the search bar, there are sections for "Area of Interest" and "Quick Navigation". The "Area of Interest" section includes "Import AOI". The "Quick Navigation" section lists various search criteria: "Address", "State and County", "Soil Survey Area", "Latitude and Longitude", "PLSS (Section, Township, Range)", "Bureau of Land Management", "Department of Defense", "Forest Service", "National Park Service", and "Hydrologic Unit".

The "Area of Interest Interactive Map" section shows a map of the contiguous United States with state boundaries and a red AOI overlay. The map includes a legend, a "View Extent" dropdown menu set to "Contiguous U.S.", and a "Scale" dropdown menu set to "not to scale". The map shows state abbreviations and a red outline representing the selected Area of Interest.

Section 1: USDA Natural Resources Conservation Service (NRCS) Web Soil Survey

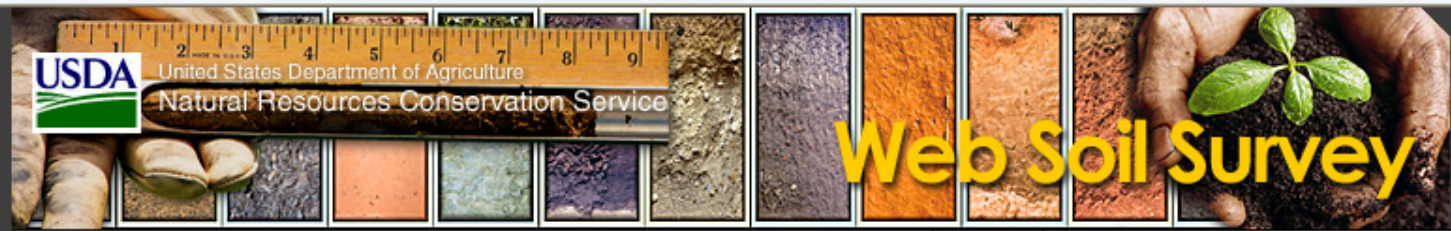
- Online application
- Locate a piece of property or an area of interest
- Create a boundary for the area of interest
- Display soil information with aerial photographs and/or topographic layers as backgrounds
- Create maps
- Create basic or detailed soil reports

USDA/NRCS Web Soil Survey (WSS)

- The WSS can be used to create a soil maps and explore the online soil surveys.
- Available at <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>
- Soil Survey Staff, Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Available online at <http://websoilsurvey.nrcs.usda.gov/> accessed [05/24/2011].
- Keywords: NRCS, Soil, Survey

Section 1: USDA Natural Resources Conservation Service (NRCS) Web Soil Survey

- Has anyone ever used WSS before?
- If yes, for what applications?
- Why are soils maps and information important to forestry and other natural resources?



You are here: Web Soil Survey Home

Search

Enter Keywords [Go] All NRCS Sites [v]

Browse by Subject

- ▶ Soils Home
- ▶ National Cooperative Soil Survey (NCSS)
- ▶ Archived Soil Surveys
- ▶ Status Maps
- ▶ Official Soil Series Descriptions (OSD)
- ▶ Soil Series Extent Mapping Tool
- ▶ Soil Data Mart
- ▶ Geospatial Data Gateway
- ▶ eFOTG
- ▶ National Soil Characterization Data
- ▶ Soil Geochemistry Spatial Database
- ▶ Soil Quality
- ▶ Soil Geography

The simple yet powerful way to access and use soil data.



I Want To...

- Start Web Soil Survey (WSS)
- Know the requirements for running Web Soil
- Know whether Web Soil Survey works in my web browser
- Know the Web Soil Survey hours of operation
- Find what areas of the U.S. have soil data

Welcome to Web Soil Survey (WSS)



Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and

anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Three Basic Steps

1 Define.



Use the Area of Interest tab to define your area of interest.

Announcements/Events

- Web Soil Survey Release History

I Want Help With...

- How to use Web Soil Survey
- How to use Web Soil Survey Online Help
- Known Problems and Workarounds
- Frequently Asked Questions
- Citing Web Soil Survey as a source of soils data

Getting Started with the WSS

- Explore the toolbar
- Search for an Area of Interest (AOI)
- Define the AOI

1. USDA/NRCS Web Soil Survey

The USDA/NRCS Web Soil Survey (WSS) can be used to create a soils map as well as explore other online soil surveys. To get started with your own soil survey, follow the directions outlined below.

Keywords: web soil survey, NRCS

Starting the USDA/NRCS WSS:

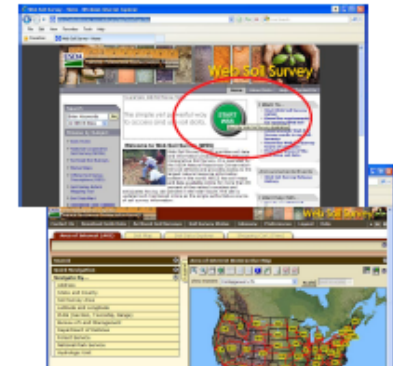
In your web browser, go to: <http://websotlsurvey.nrcs.usda.gov/app/HomePage.htm>

To Create a Soils Map:

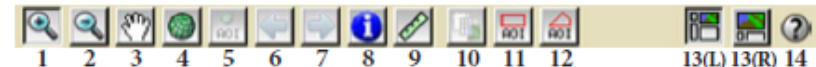
1. Click the green button to "START WSS." (See right.)
2. A screen with a map of the United States will appear. (See right.)
 - The default tab is "Area of Interest (AOI)."
3. Under "Quick Navigation,"
 - a. Choose an option that best represents how you would like to navigate to the area of interest (i.e. where you want to create a soils map).
 - You can also use the tool bar above the map to navigate or in conjunction with one of the other navigation options. (See sample toolbar at the bottom of this page.)

Toolbar Buttons, From Left to Right (See Below):

1. **Zoom In** – used to zoom in toward a specific point by clicking a specific place on the map or by clicking and dragging to create a box for an area of interest
2. **Zoom Out** – used to zoom out from a specific point by clicking a specific place on the map or by clicking and dragging to create a box for an area of interest
3. **Pan** – used to move the map in any direction by clicking and dragging a point on the map
4. **Zoom to Extent** – used to zoom the map out to show the entire United States
5. **Zoom to AOI (Area of Interest)** – used to zoom the map to the AOI that has been identified



6. **Zoom History Back** – used to zoom the map back to the previous view
7. **Zoom History Forward** – used to zoom the map forward after using the Zoom History Back tool
8. **Identify** – provides information about selected features on the maps. Follow directions that appear when selected.
9. **Measure Distance** – used to measure line segments. Click and drag a point on the map and move the pointer to another point and click. Double-click to end the measurement, and it provides total segment length. Note that the units feet/miles change as you zoom in. The units can also be changed to meters/kilometers by clicking the "Use Meters/Kilometers" button.
10. **Data Available** – used to show the available data with the date by clicking on an area
11. **Define AOI by Rectangle** – used to identify the area for the soils maps by clicking and dragging to create a box around the area
12. **Define AOI by Polygon** – used to identify the area for the soils maps by clicking points around the area
13. **Normal Map Layout (L) & Full Width Map Layout (R)** – used to change the way the map layout looks
14. **Help** – provides a help menu for the WSS



Mapping Basics and Units

- How to find an area of interest?
 - Address
 - Section, Township, Range
 - Coordinates
 - Lat,long
 - UTM
- We often collect GPS data to make maps of locations of interest and need to know what units were used to collect the data.
- Know your units!

Example Soils Map for the Donahue Tract

- The example tract that will be used to for this brochure is call the Donahue Tract.
- The Donahue Tract is located west of the intersection of “Donahue Dr. and Woodfield Dr. on the Auburn University Campus.

Define the Area of Interest (AOI)

The screenshot displays the 'Web Soil Survey' application in a Windows Internet Explorer browser. The address bar shows the URL: <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>. The page features a navigation menu with links such as 'Contact Us', 'Download Soils Data', 'Archived Soil Surveys', 'Soil Survey Status', 'Glossary', 'Preferences', 'Logout', and 'Help'. Below the navigation menu, there are tabs for 'Area of Interest (AOI)', 'Soil Map', 'Soil Data Explorer', and 'Shopping Cart (Free)'. The 'Area of Interest (AOI)' tab is active, showing a search interface on the left and an interactive map on the right. The search interface includes a 'Quick Navigation' section with 'Navigate By...' options: 'Address', 'State and County', 'Soil Survey Area', 'Latitude and Longitude', 'PLSS (Section, Township, Range)', 'Bureau of Land Management', 'Department of Defense', 'Forest Service', 'National Park Service', and 'Hydrologic Unit'. The 'State and County' section is expanded, showing 'State' set to 'Alabama' and 'County (optional)' set to 'Lee'. The 'Area of Interest Interactive Map' section includes a toolbar with various icons, a 'View Extent' dropdown set to 'Contiguous U.S.', and a 'Scale' dropdown set to '(not to scale)'. A red circle highlights the 'AOI' icon in the toolbar. The map shows a satellite view of a forested area with a red outline indicating the defined Area of Interest. A scale bar at the bottom indicates 0 to 440 feet.

Search

Map Unit Legend

Lee County, Alabama (AL081)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
24	Marvyn loamy sand, 1 to 6 percent slopes	17.6	79.8%
25	Marvyn loamy sand, 6 to 10 percent slopes	4.5	20.2%
Totals for Area of Interest		22.0	100.0%

Soil Map

Legend | Scale (not to scale) | Map navigation icons: Home, Back, Forward, Print, Info, Measure, Download



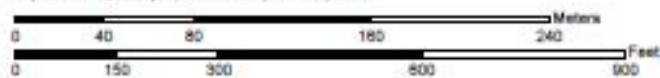
Data Storage and Sharing

- Create a printable version of the map
- Save maps as a .pdf (Portable Document Format)
- Create custom reports
- Professional maps and reports
- See examples

Soil Map—Lee County, Alabama
(Donahue Tract)



Map Scale: 1:3,150 if printed on A size (8.5" x 11") sheet.

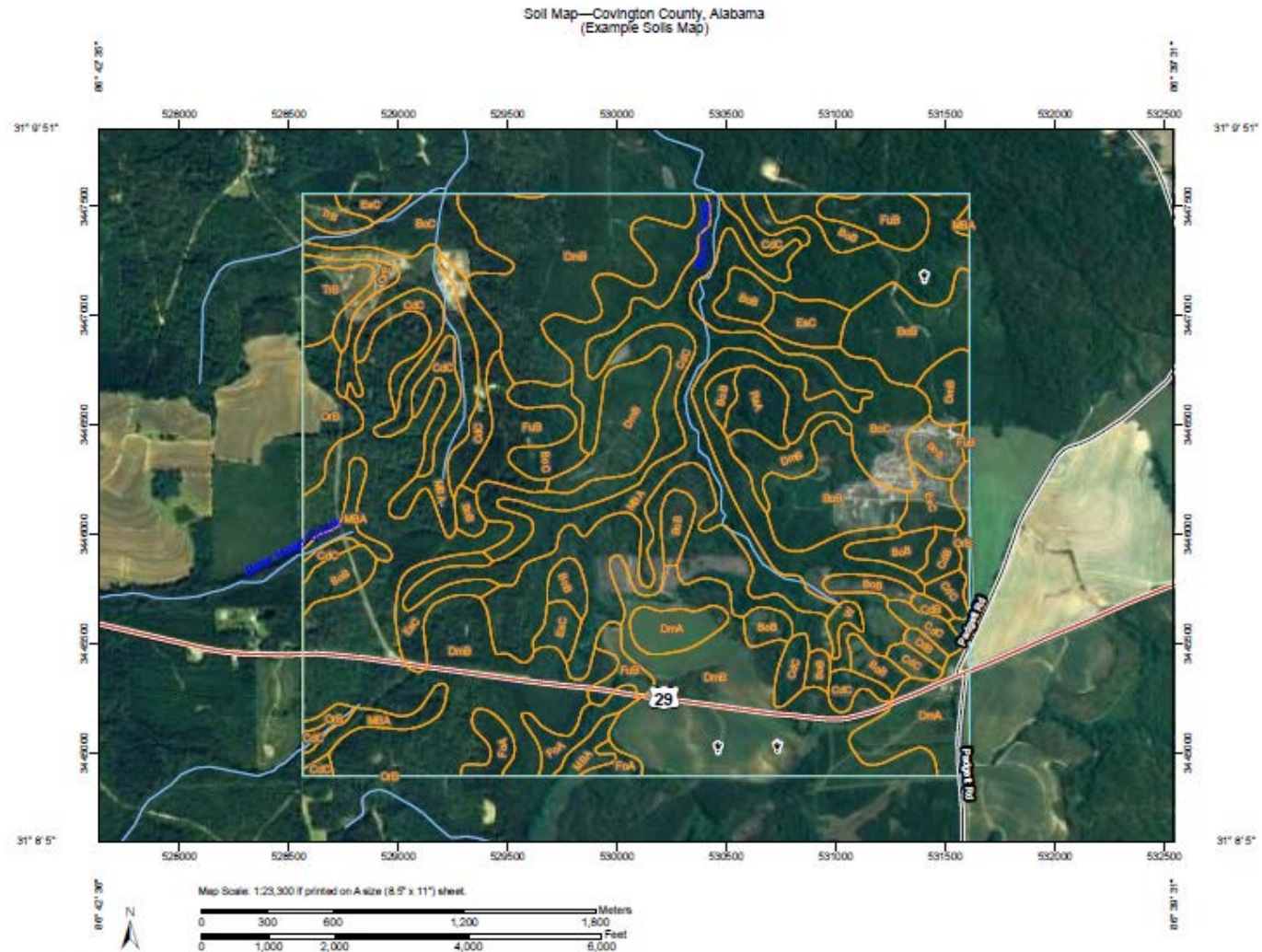


Soil Map—Lee County, Alabama Donahue Tract

Map Unit Legend

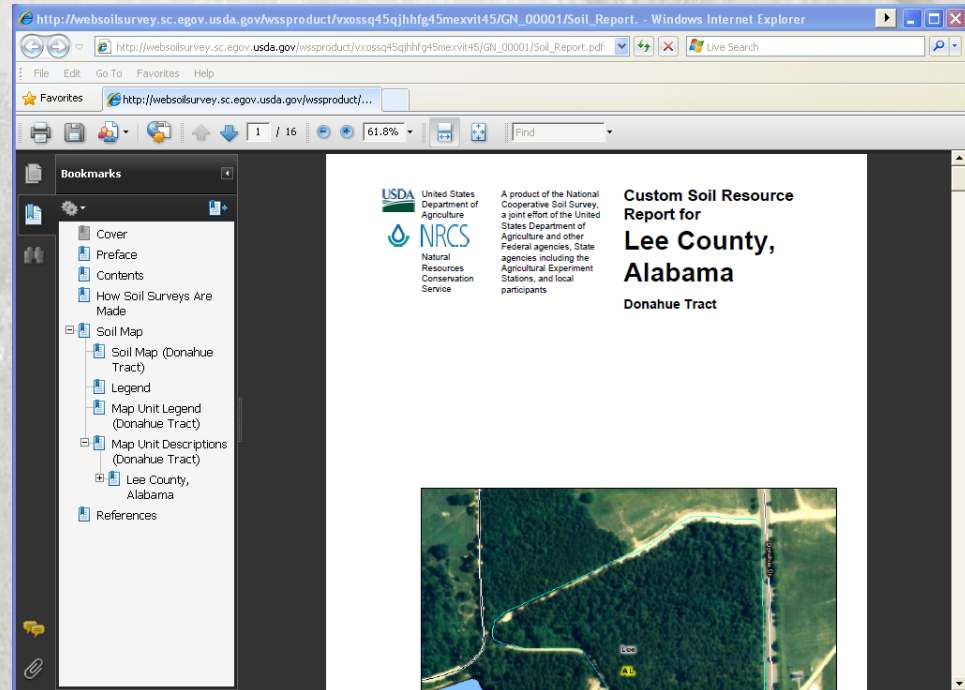
Lee County, Alabama (AL081)			
Map Unit Symbol	Map Unit Name	Area in AOI	Percent of AOI
2A	Marion loamy sand, 1 to 5 percent slope	17.6	79.6%
2B	Marion loamy sand, 6 to 10 percent slope	4.3	20.2%
Totals for Area of Interest		22.0	100.0%

Example Soils Information for 2,000 acres



Custom Report

- The Custom Report can be printed, saved, and emailed following the same directions as with the “Printable Version”.
- The Custom Report provides more detailed information about the soil survey, map unit descriptions, soil descriptions.



Area of Interest (AOI)

Soil Map

Soil Data Explorer

Shopping Cart (Free)

View Soil Information By Use: All Uses

Printable Version

Add to Shopping Cart

Intro to Soils

Suitabilities and Limitations for Use

Soil Properties and Qualities

Ecological Site Assessment

Soil Reports

Search

Suitabilities and Limitations Ratings

Open All

Close All

Building Site Development

Construction Materials

Disaster Recovery Planning

Land Classifications

Land Management

Military Operations

Recreational Development

Sanitary Facilities

Vegetative Productivity

Water Management

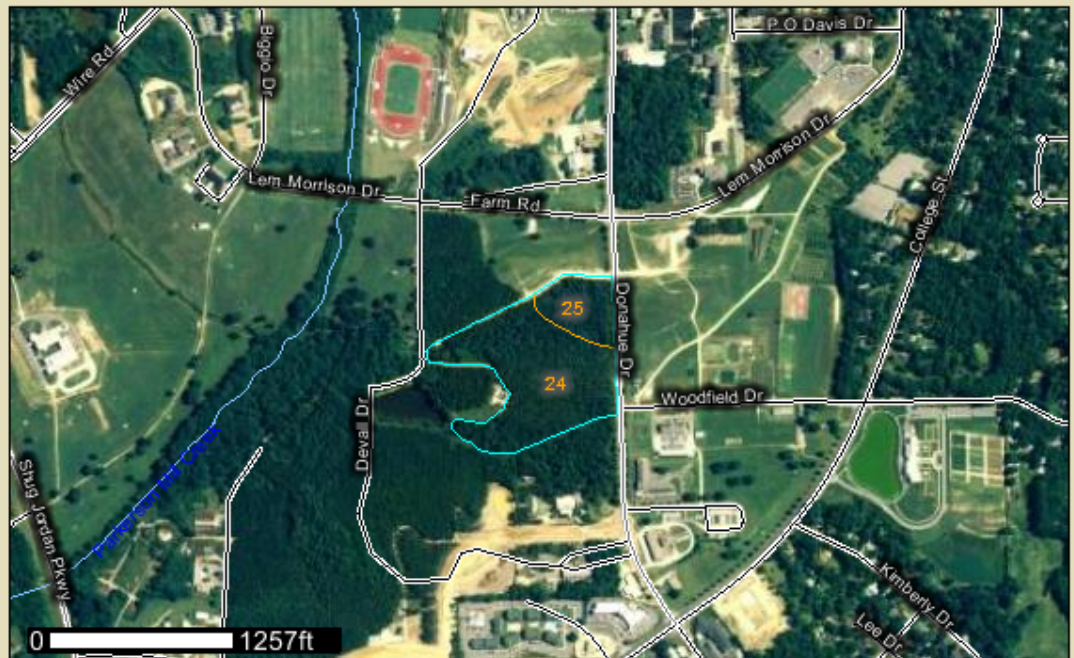
Legend

Soil Map



Scale

(not to scale)

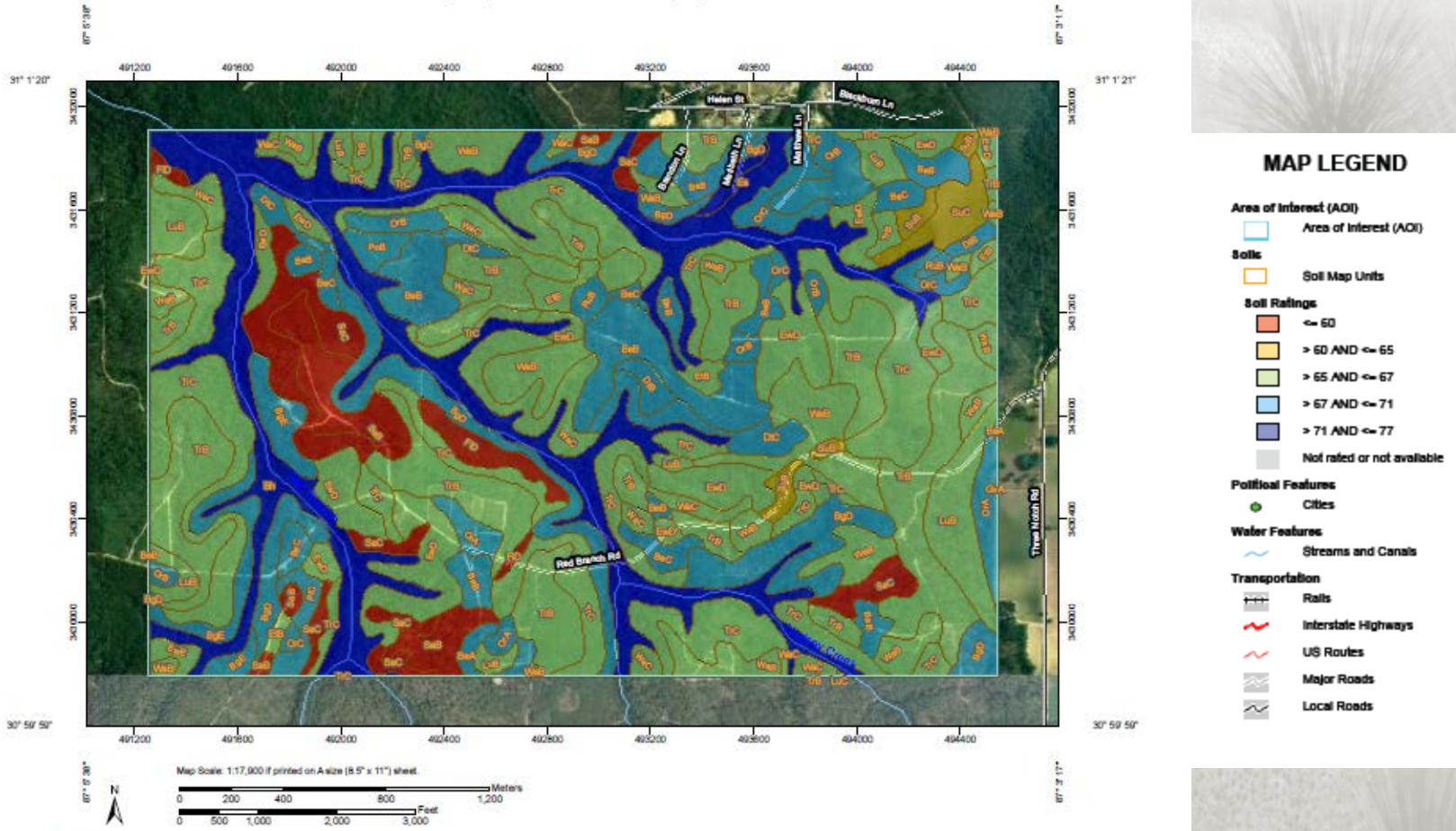


Exploring Soils Information

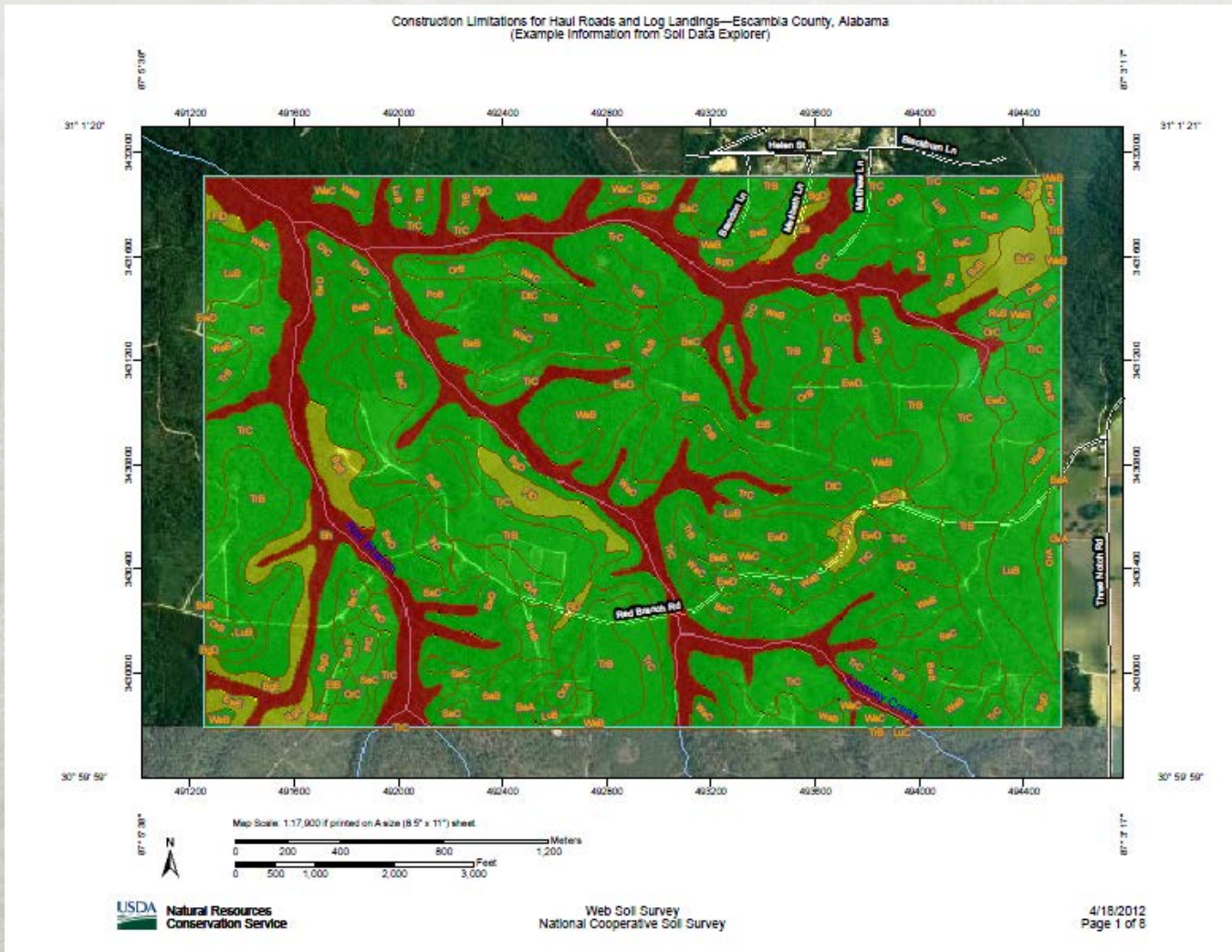
- Use the Soil Data Explorer
 - Introduction to Soils
 - Suitabilities and Limitations for Use
 - Land Management
 - Haul Roads and Log Landing Limitations
 - Vegetation Productivity
 - Site Index
 - Soil Properties and Qualities
 - Soil Reports

Example Site Index Map

Forest Productivity (Tree Site Index): longleaf pine (Schumacher, Colle 1960 (510))—Escambia County, Alabama
(Example information from Soil Data Explorer)



Example Map for Haul Roads and Log Landing Limitations



Map Legend

- Fish and Wildlife Service
- Forest Service
- National Park Service
- Tennessee Valley Authority
- Water Features
 - Oceans
 - Water
 - Streams and Canals
 - 8-Digit Hydrologic Units
- Transportation
 - Rails
 - Interstate Highways
 - US Routes
 - Major Roads
 - Local Roads
- Background (only one is visible at a time)
 - Aerial Photography
 - Topographic Map
 - Shaded Relief

Area of Interest Interactive Map

Legend

View Extent: Contiguous U.S. Scale: (not to scale)

Tips and Troubleshooting

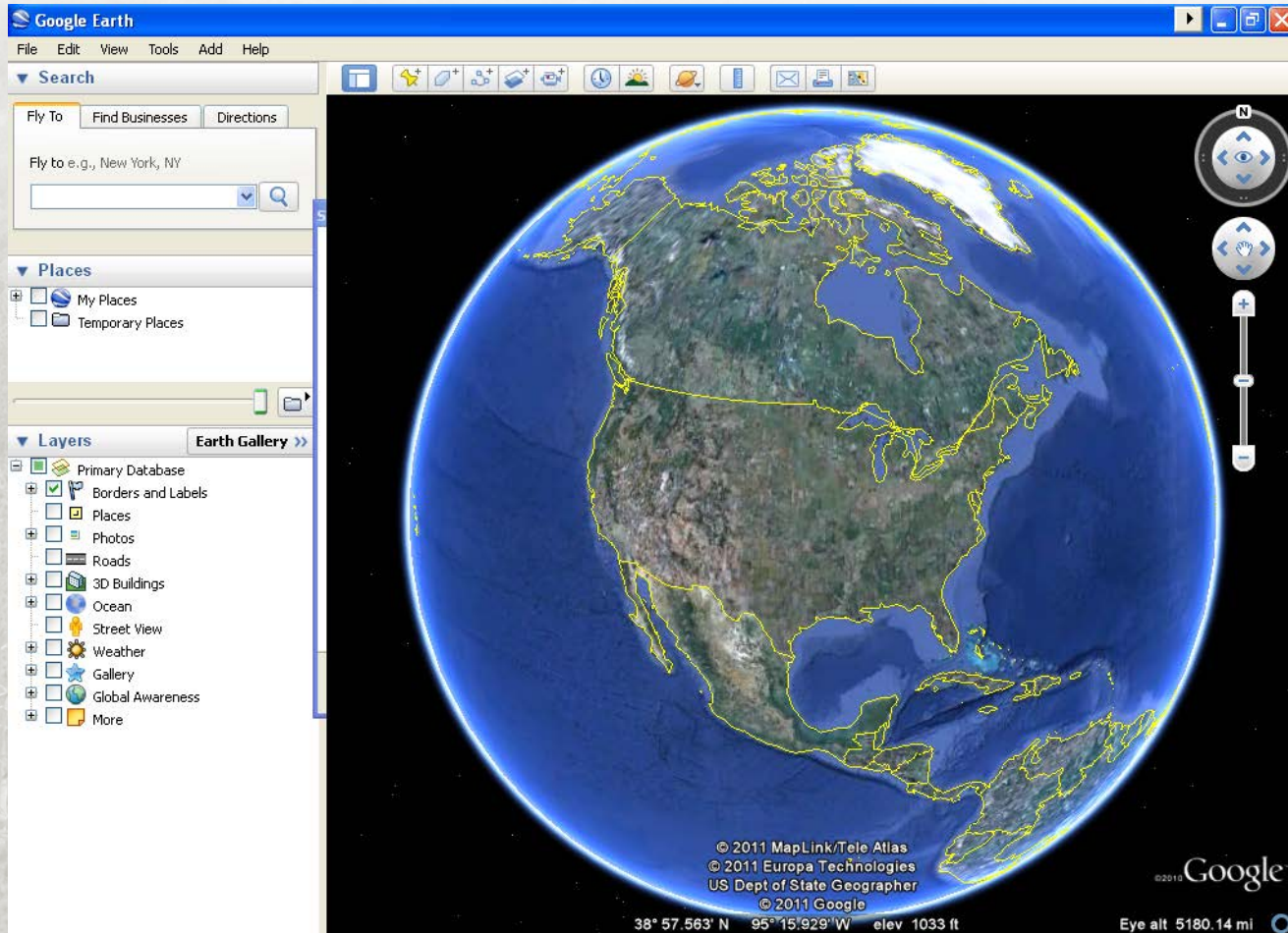
- If WSS is not working, check the system requirements to run the program. See <http://websoilsurvey.nrcs.usda.gov/app/Help/Requirements.htm> .
- “Want” and “Help” Menus are located on the right side of the WSS homepage.
- For more instructions see http://websoilsurvey.nrcs.usda.gov/app/Help/WSS_HomePage_HowTo.pdf
- It may be necessary to turn off the Pop-up blocker/allow Pop-ups from the WSS website
- Some of the process might take time to complete, Be patient.
- The session can also timeout if there is a long period of inactivity, which will require starting over.

Section 1: USDA Natural Resources Conservation Service (NRCS) Web Soil Survey

- What are some applications you could see this program being used for?
- What would you use it for?



Section 2: Google Earth



© 2011 MapLink/Tele Atlas, © 2011 Europa Technologies,
US Dept of State Geographer, © 2011 Google

Section 2: Google Earth

- Requires downloading a program
- Locate a piece of property or area of interest
- Store location and description information
- Create maps
- Opportunities for improved communication

Section 2: Google Earth

Google Earth Use and Tutorial Information

- Main website
 - <http://www.google.com/earth/index.html>
 - © 2011 Google
- Google Earth is free to use, but it requires the software to be downloaded, installed, and an internet connection.
<http://www.google.com/earth/download/ge/>
- Keywords: Google Earth

Section 2: Google Earth System Requirements

- Can be used on PC's, Mac's, and Linux systems
- Basic system needs
 - 512 MB of RAM
 - 400 MB of free space on hard drive
 - DirectX9 and 3D capable with 64/256MB of VRAM
 - See <http://earth.google.com/support/bin/answer.py?answer=20701> for more detailed minimum and recommended system requirements by operating system

Section 2: Google Earth

- Has anyone ever used Google Earth before?
- If yes, for what applications?
- Have you ever used Google Earth to store information (points, lines, polygons, attribute data) about a particular area?

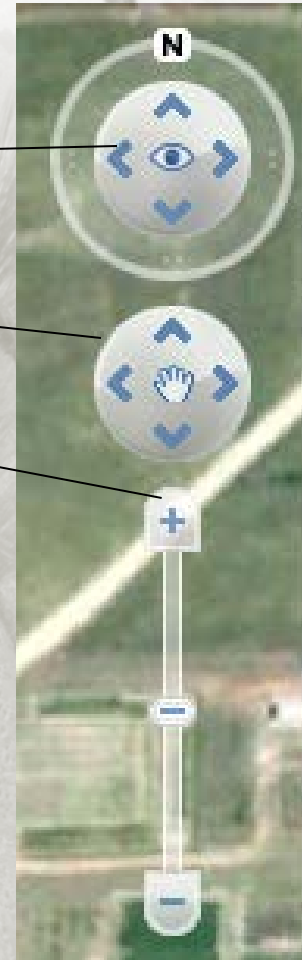
Section 2: Google Earth

- Provides aerial photography as a background with options to add more layers
- Google Earth can be used to:
 - Locate property or areas of interest
 - Store location and description information
 - Create placemarks or points for an area of interest
 - Create paths or lines for roads, streams, etc.
 - Create boundaries for timber stands
 - Make maps

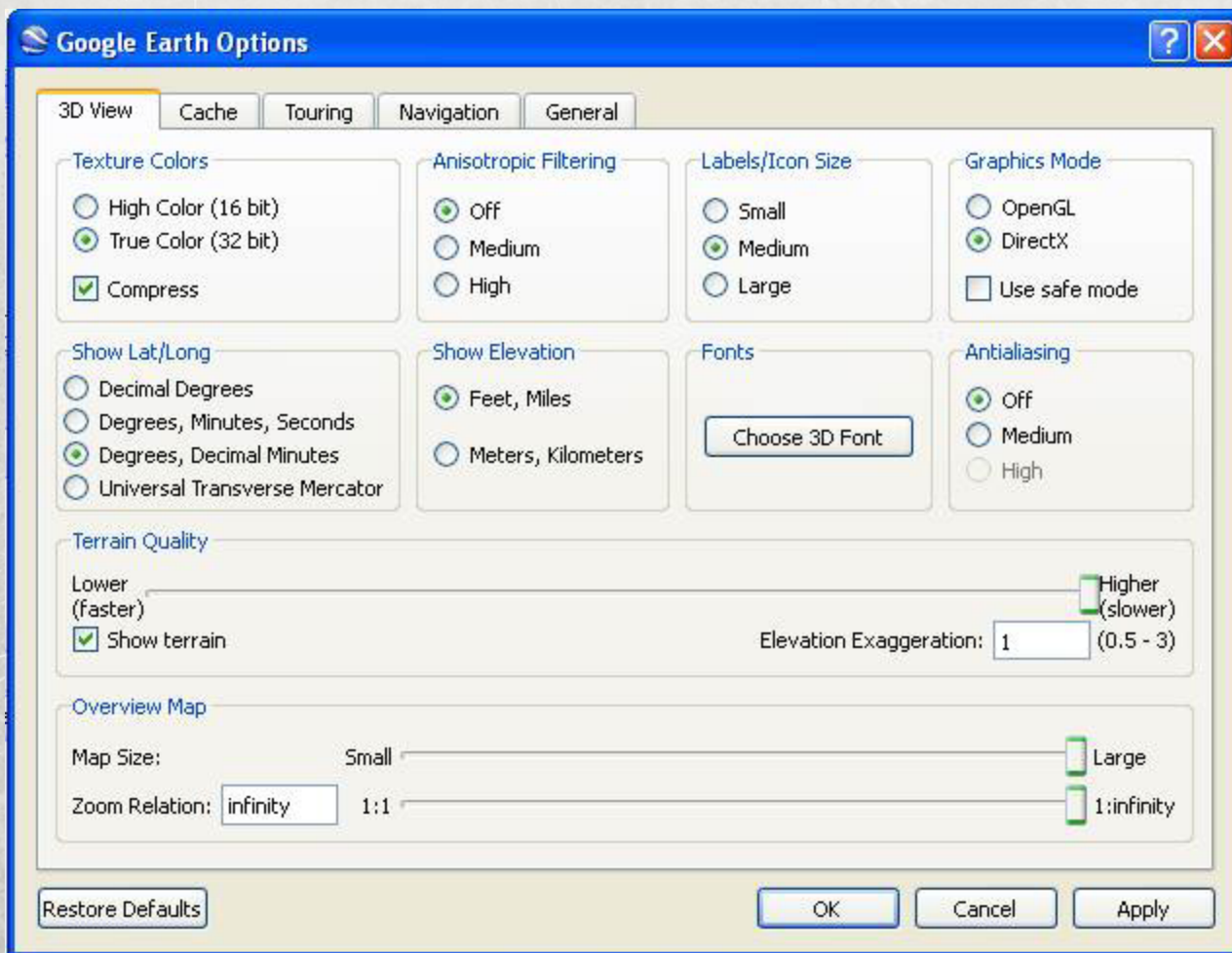
Section 2: Google Earth

Navigating

- Use the toolbar (right)
 - To turn the map different directions
 - To move the view
 - To zoom in and out
- Other options include:
 - Using the mouse, click (left mouse button) the the screen and drag
 - Using the scroll button on the mouse (if applicable)
 - Using the arrow keys and “Ctrl” on the keyboard
- Explore the toolbar and practice clicking the various tools

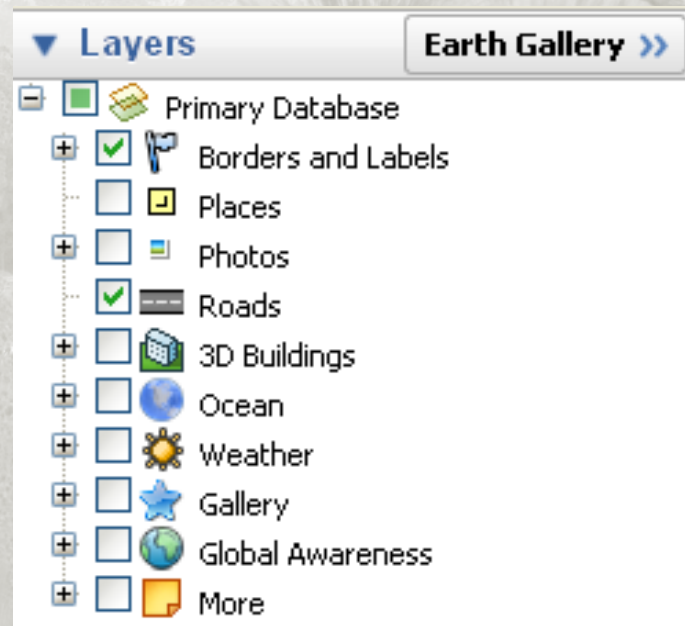


Section 2: Google Earth Coordinates and Units



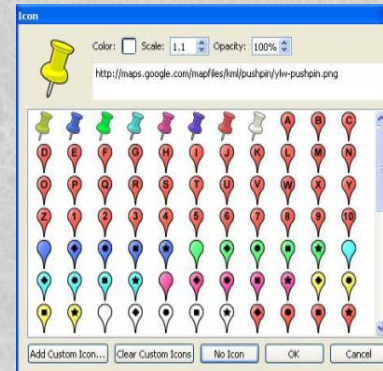
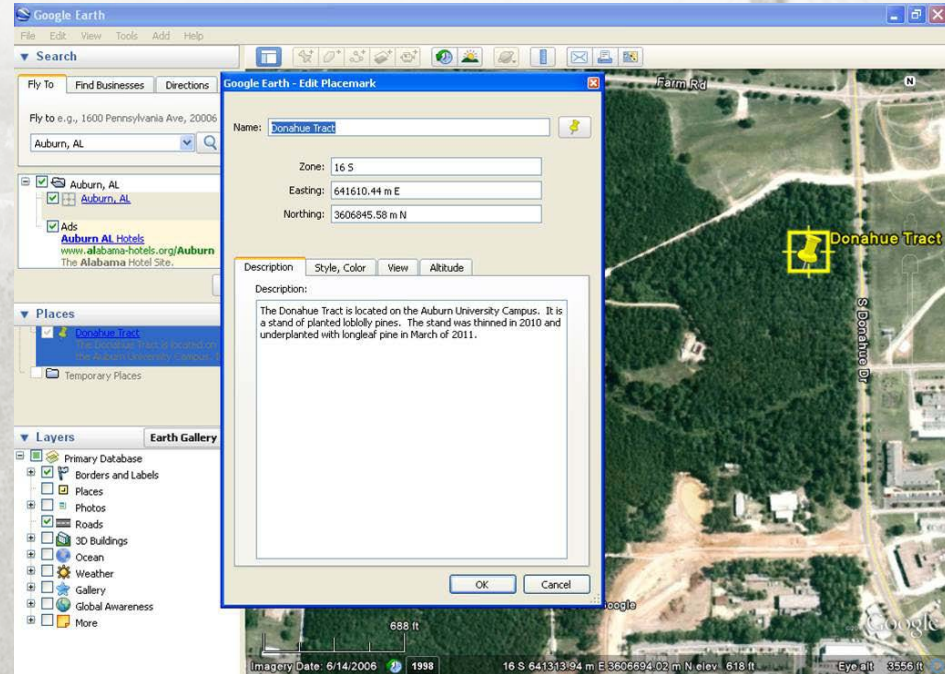
Section 2: Google Earth Layers

- Turn on basic layers for navigation:
 - Borders and labels
 - Roads
- Explore other layers for additional information



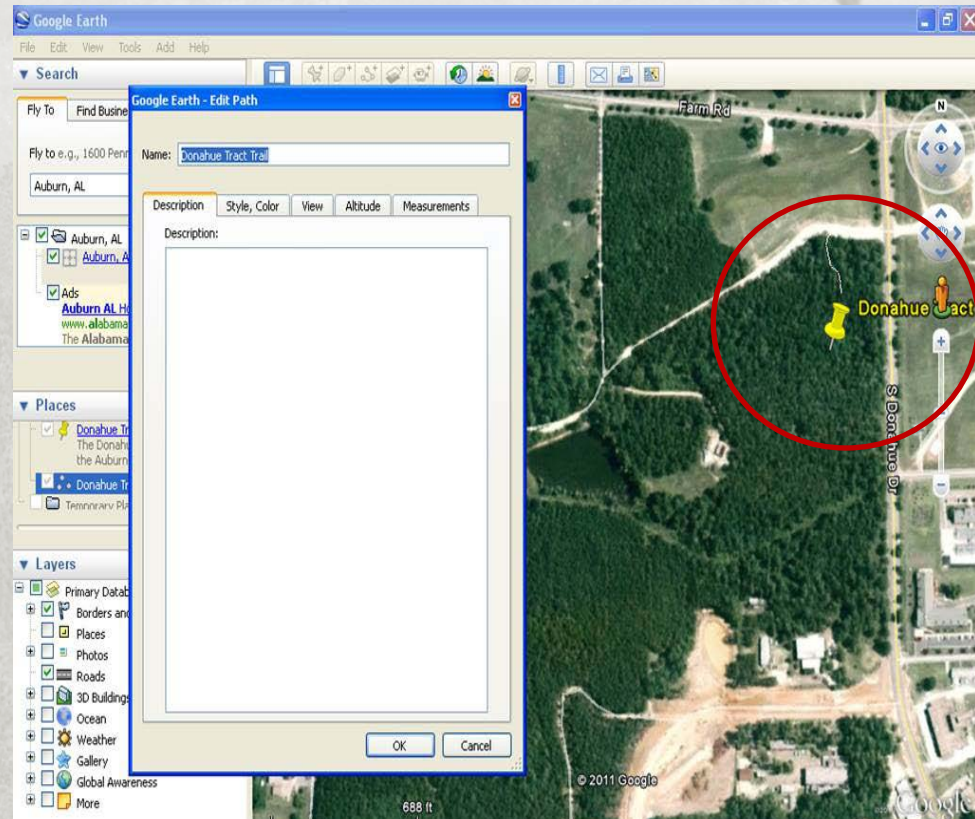
Section 2: Google Earth - Points

- Create placemarks or points
 - Timber stand
 - Tree stand
 - Building
- Change the shape and color
- Store descriptive information



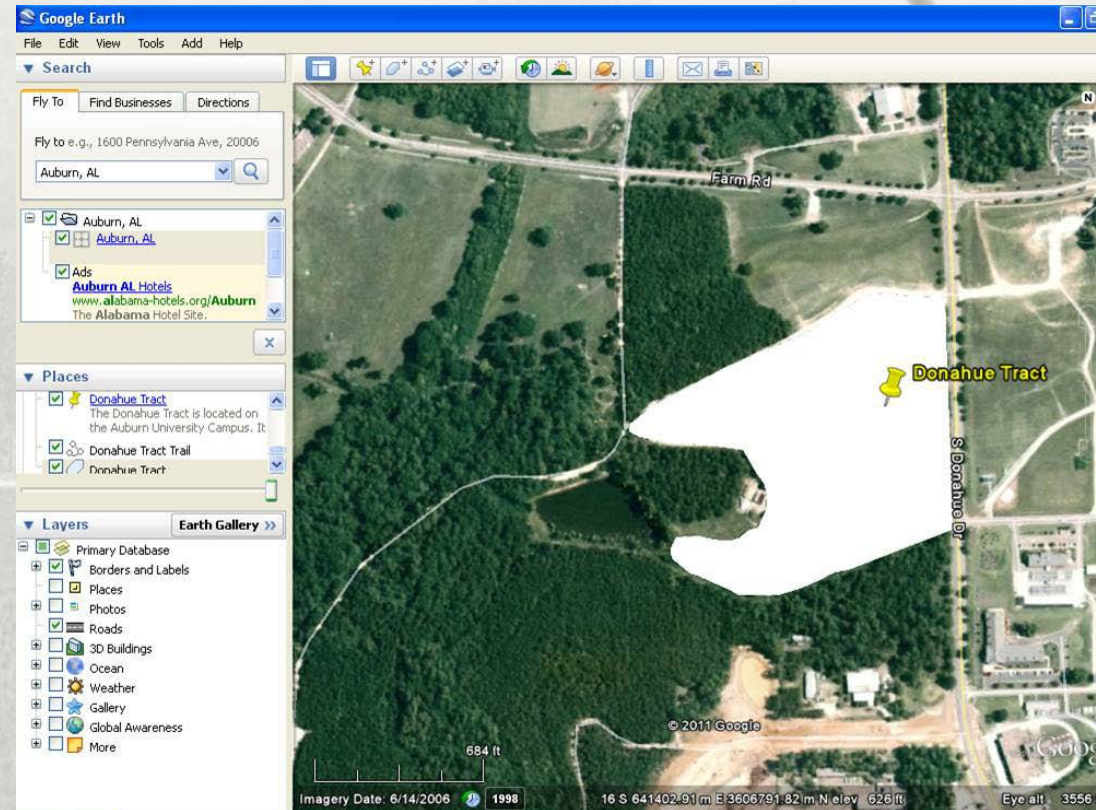
Section 2: Google Earth - Lines

- Create paths or points
 - Roads
 - Trails
 - Streams
- Change the shape and color
- Store descriptive information



Section 2: Google Earth - Polygons

- Create polygon
 - Timber stands
 - Food plots
 - Pastures
- Change the shape and color
- Store descriptive information



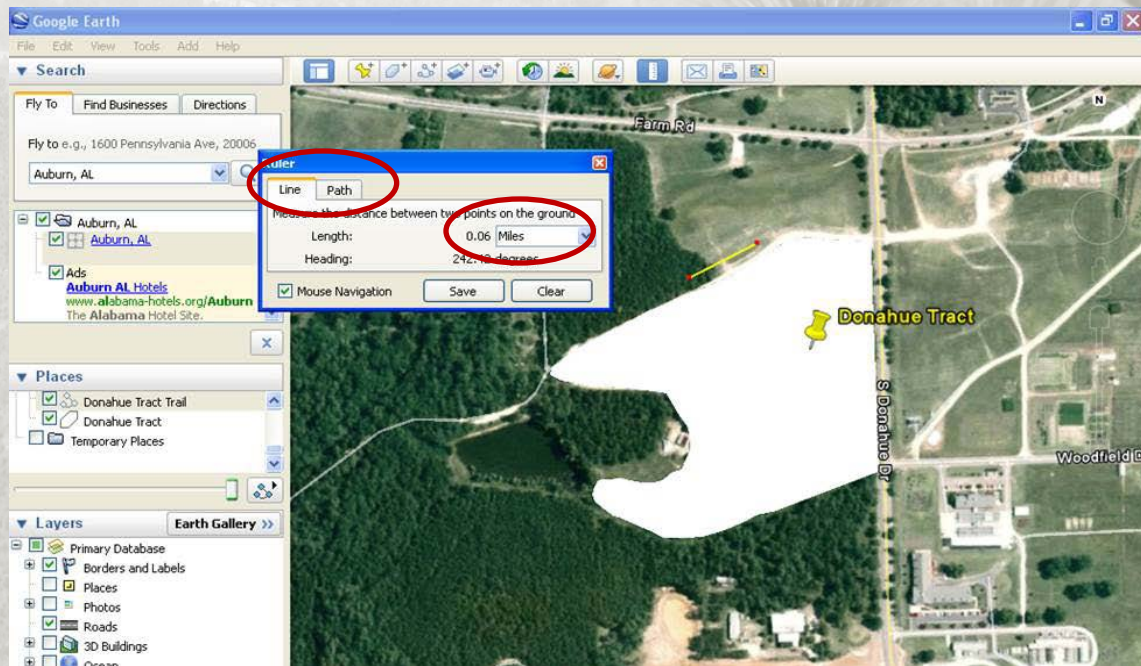
© 2011 Google

Section 2: Google Earth Data Storage and Sharing

- Points, lines, and polygons can be saved as .kml or .kmz files. Keyhole Markup Language (user preference).
- They can be edited and updated.
- They can be email directly from Google Earth or emailed anytime as an attachment.

Section 2: Google Earth Measuring a Distance

- Show ruler
- Choose a line or a path
- Choose the desired units



Section 2: Google Earth

Calculating Areas

- Areas can be calculated in Google Earth using the ruler if the area of interest is square or rectangular
- Google Earth Pro has an area feature tool, but it requires purchasing a license
 - http://www.google.com/enterprise/earthmaps/earth_pro.html
- GE-Path (Freeware)
 - Download
 - <http://www.sgrillo.net/googleearth/gepath.htm>
 - See full list of features
 - Files need to be saved using the .klm extension

GE-Path 1.4.6

GE Path (v 1.4.6)

File Run Help

Place Names

- Add sequential numbers to names
- Append coordinates to names
- Remove names and icons

Altitude mode: **Clamp to ground**

Make Path

- Make path
- Link last to first

Line color: Arrowed

Line width: 1.0

Altitude mode: **Clamp to ground**

Make Grid

- Make grid
- Line color:

Distance between lines:

Number of lines:

Area/Perimeter — (of the path's projection in a flat earth surface)

- Calculate perimeter: 4,823.94
- Calculate area: 21.99

Length unit: **Feet**

Area unit: **Acres**

Method: **Small Area** (Dec. places: **2**) Create Placemark for area

Don't save the kml file. Show area and perimeter only Open in GE

Place Descriptions

- Don't change
- None
- Coordinates
- Distance to next place
- Cumulative Distance
- Route to next place
- Distance and route
- Coordinates, distance and route
- Append to existing description

Make Polygons

- Make polygons
- Segments: 10

Outline

Line color:

Fill

Fill color:

Line width: 1.0

Altitude mode: **Clamp to ground**

C:\Documents and Settings\gilbejo\My Documents\Donahue Tract.kml

Place/WP name	Description	Latitude	Longitude	Altitude
1		32.591232	-85.490328	0
2		32.591235	-85.490522	0
3		32.591251	-85.490856	0
4		32.591277	-85.491052	0
5		32.591267	-85.491234	0
6		32.591244	-85.491389	0
7		32.591138	-85.491572	0
8		32.591055	-85.491785	0
9		32.590947	-85.491941	0
10		32.590888	-85.492040	0
11		32.590792	-85.492281	0
12		32.590721	-85.492480	0
13		32.590638	-85.492750	0
14		32.590543	-85.492976	0
15		32.590472	-85.493190	0
16		32.590316	-85.493517	0
17		32.590141	-85.493944	0
18		32.590009	-85.494201	0
19		32.589900	-85.494344	0
20		32.589852	-85.494430	0
21		32.589768	-85.494445	0

ecGrid, www.encoreconsulting.com.au

Insert row Clear grid Paste grid from clipboard

Delete selected row N.places: 61 Repeat row1 altitude

Search

Fly To Find Businesses Directions

Fly to e.g., 37 25' 19.1"N, 122 05' 06"W

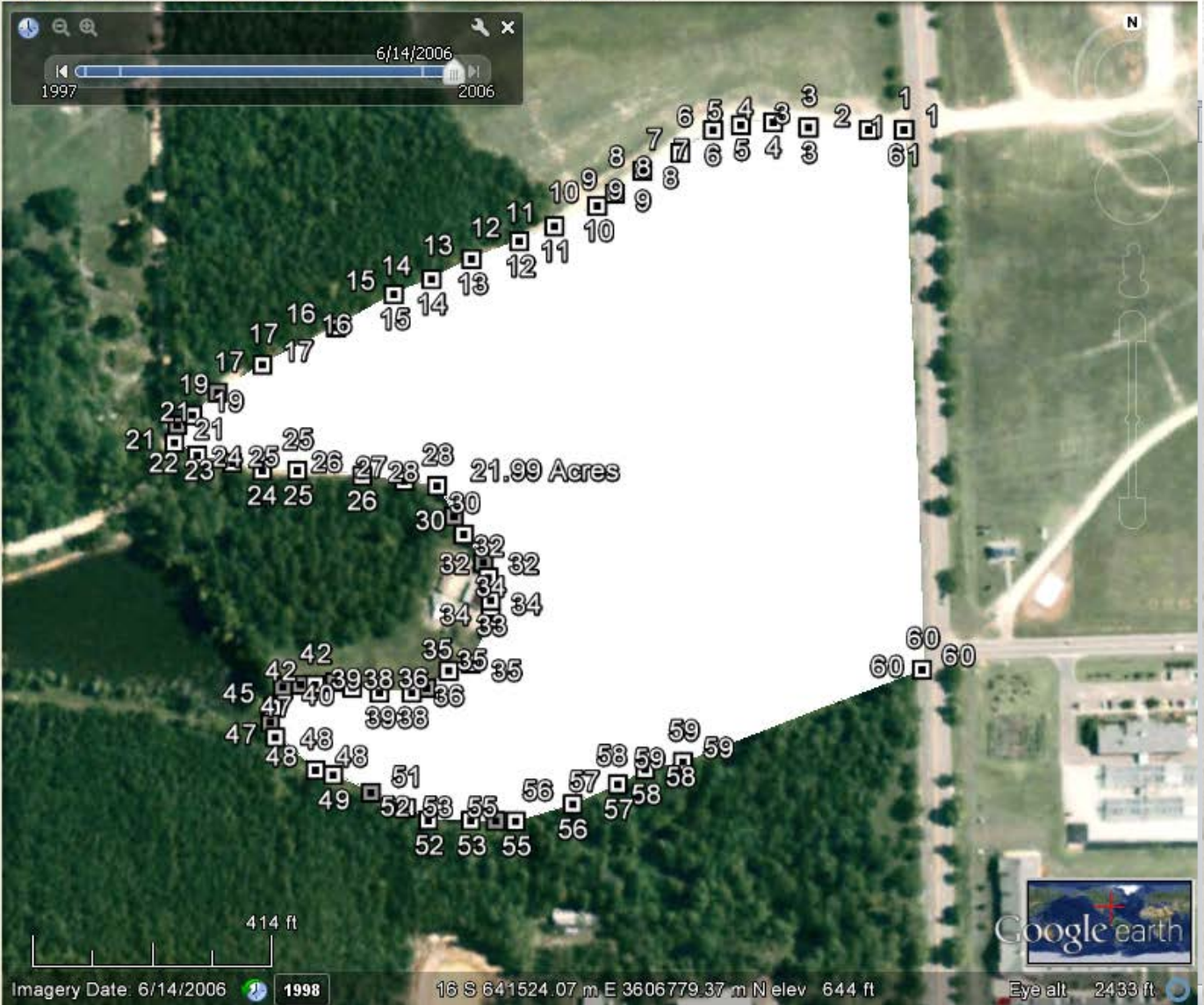
Places

- Names
 - 21.99 Acres
 - Path on-off
 - Perimeter: 4,823.94 feet
- Polygons on-off
- Donahue Tract-Path-Path-P...
 - Names
 - 21.99 Acres
 - Path on-off
 - Perimeter: 4,823.94 feet
 - Polygons on-off

Layers

Earth Gallery >>

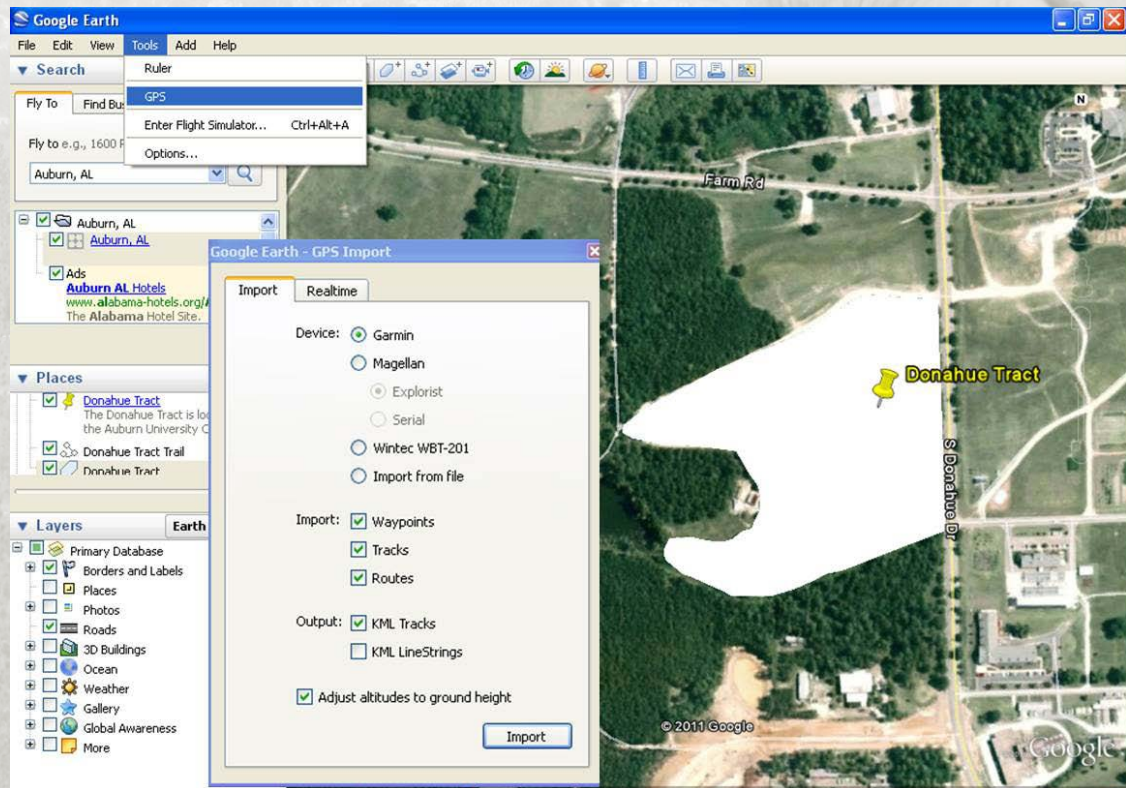
- Primary Database
- Borders and Labels
- Places
- Photos
- Roads
- 3D Buildings
- Ocean
- Weather
- Gallery
- Global Awareness
- More



Section 2: Google Earth

Additional Options

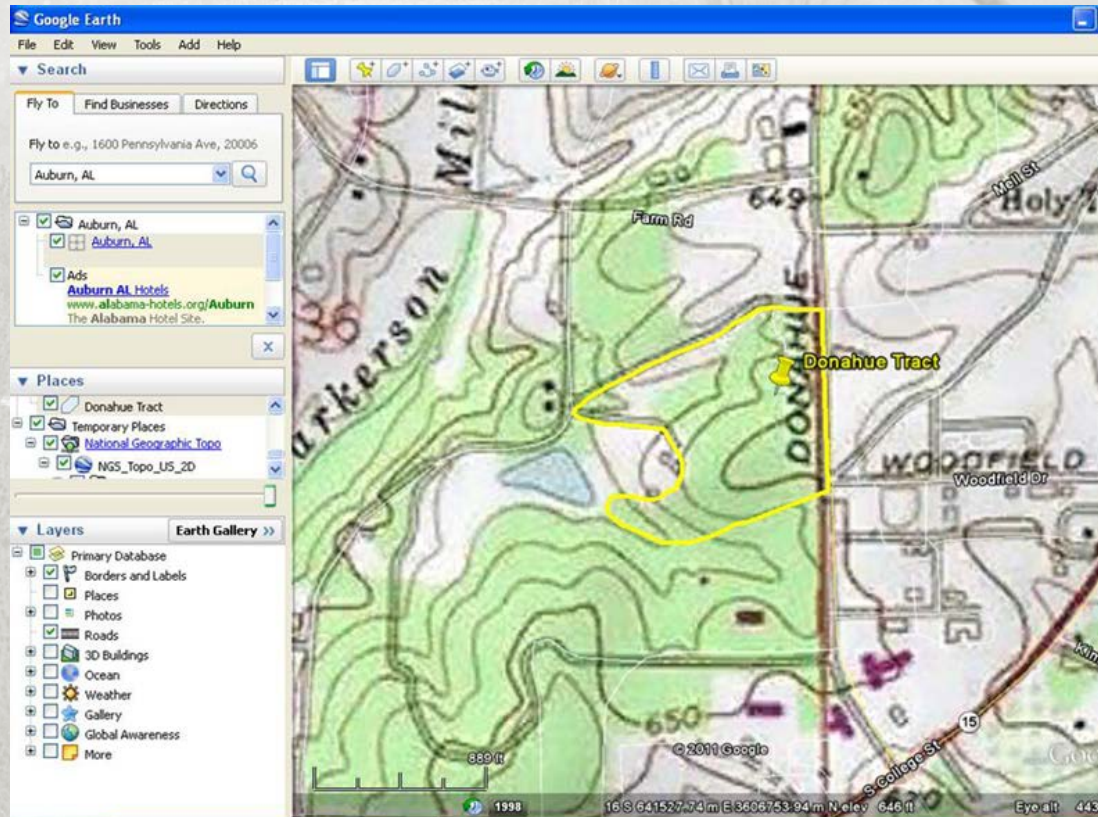
- Review adding GPS data
- View the map in Google Maps
- View aerial photographs over time



© 2011 Google

Section 2: Google Earth Topographic Map

- Visit <http://www.gelib.com/ng-topo.htm>
- Keywords: Google Earth, topographic map, overlay



© 2011 Google

Section 2: Google Earth Data Storage and Sharing

- Maps can be printed.
- An image of the map can be saved (.jpeg).
- Images of the maps can be sent to others through email or posted online.



Section 2: Google Earth Developing a Database

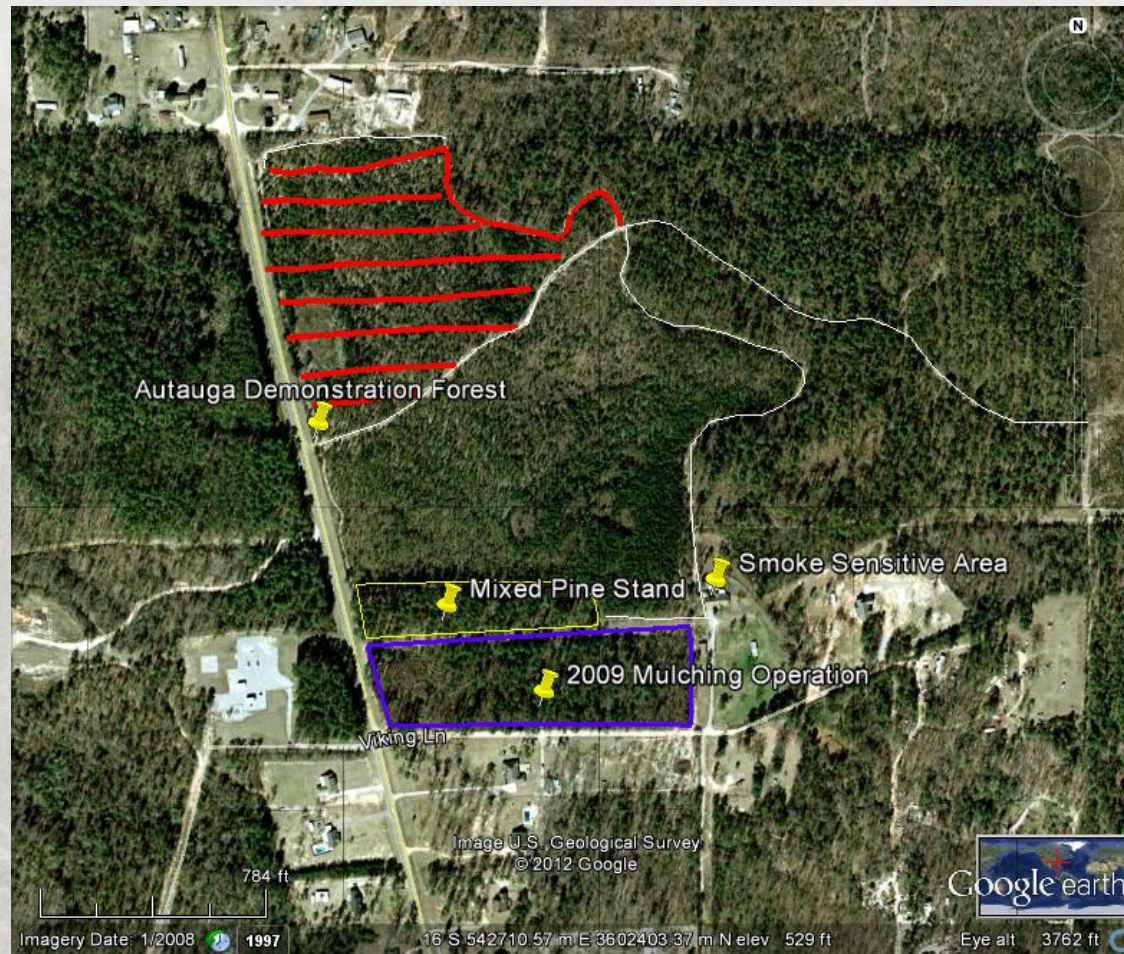
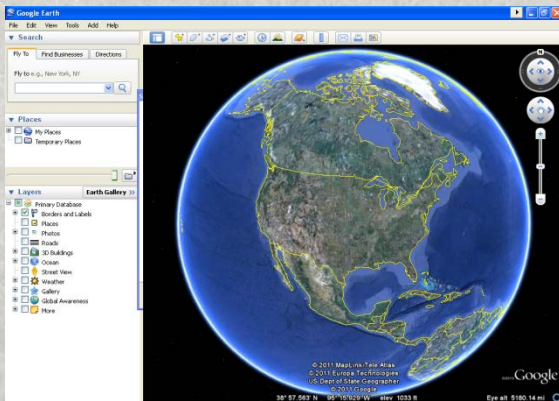


Image US Geological Survey © 2012 Google

Section 2: Google Earth

- What are some applications you could see this program being used for?
- What would you use it for?



© 2011 MapLink/Tele Atlas, © 2011 Europa Technologies, US Dept of State Geographer, © 2011 Google



Image U.S. Geologic Survey
© 2012 Google

Section 2: Google Earth Help and Tutorials

- Help
 - <http://earth.google.com/support/?hl=en>
- Tutorials
 - <http://www.google.com/earth/learn/>

Section 3: Alabama Historic Aerial Photo Archive

Aerial Photography of Alabama - Windows Internet Explorer

http://alabamamaps.ua.edu/aerials/index.html

File Edit View Favorites Tools Help



★ Favorites New Tab Google Web Slice Gallery Suggested Sites

Aerial Photography of Alabama

[Home](#) | [Help](#) | [Graphics Tutorial](#) | [Aerial Photography](#) | [Historical Maps](#) | [Contemporary Maps](#) | [About this site](#) | [Feedback](#)

Air Photo Archive

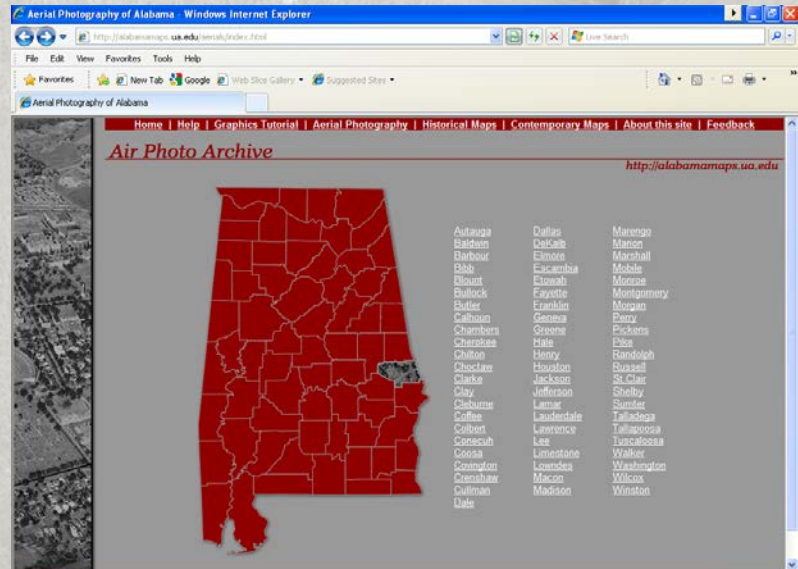
<http://alabamamaps.ua.edu>



Autauga	Dallas	Marengo
Baldwin	DeKalb	Marion
Barbour	Elmore	Marshall
Bibb	Escambia	Mobile
Blount	Etowah	Monroe
Bullock	Fayette	Montgomery
Butler	Franklin	Morgan
Calhoun	Geneva	Perry
Chambers	Greene	Pickens
Cherokee	Hale	Pike
Chilton	Henry	Randolph
Choctaw	Houston	Russell
Clarke	Jackson	St Clair
Clay	Jefferson	Shelby
Cleburne	Lamar	Sumter
Coffee	Lauderdale	Talladega
Colbert	Lawrence	Tallapoosa
Conecuh	Lee	Tuscaloosa
Coosa	Limestone	Walker
Covington	Lowndes	Washington
Crenshaw	Macon	Wilcox
Cullman	Madison	Winston
Dale		

Section 3: Alabama Historic Aerial Photo Archive

- Online application
- View historical aerial photographs
- Order digital copies



Section 3: Alabama Historic Aerial Photo Archive

- Keywords: Alabama, historic, aerial photographs
- Aerial Photography Index (main website)
 - <http://alabamamaps.ua.edu/>
- Aerial Photography Archive
 - <http://alabamamaps.ua.edu/aerials/index.html>
- Help is available at
 - <http://alabamamaps.ua.edu/help/historical.html>

Air Photo Archive

<http://alabamamaps.ua.edu>



- | | | |
|---------------------------|----------------------------|----------------------------|
| Autauga | Dallas | Marengo |
| Baldwin | DeKalb | Marion |
| Barbour | Elmore | Marshall |
| Bibb | Escambia | Mobile |
| Blount | Etowah | Monroe |
| Bullock | Fayette | Montgomery |
| Butler | Franklin | Morgan |
| Calhoun | Geneva | Perry |
| Chambers | Greene | Pickens |
| Cherokee | Hale | Pike |
| Chilton | Henry | Randolph |
| Choctaw | Houston | Russell |
| Clarke | Jackson | St Clair |
| Clay | Jefferson | Shelby |
| Cleburne | Lamar | Sumter |
| Coffee | Lauderdale | Talladega |
| Colbert | Lawrence | Tallapoosa |
| Conecuh | Lee | Tuscaloosa |
| Coosa | Limestone | Walker |
| Covington | Lowndes | Washington |
| Crenshaw | Macon | Wilcox |
| Cullman | Madison | Winston |
| Dale | | |

Section 3: Alabama Historic Aerial Photo Archive

Finding a Nearby Location and Year

Lee	Opelika NE	1958 1964
Lee	Opelika NW	1958 1964
Lee	Opelika SE	1958 1964 2009
Lee	Opelika SW	1958 1964
Lee	Parkers Crossroads	1939 1950 1958 1964 2009
Lee	Pine Grove	1939 1950 1958 1964 1973 2009
Lee	Powledge	1950 1964 2009
Lee	Prince Crossroad	1939 1950 1958 1964 2009
Lee	Ridge Grove	1939 1950 1958 1964 2009
Lee	Robert G. Pitts Airport	1950 1958 1964 1981
Lee	Rowells Crossroad	1939 1950 1958 1973 2009
Lee	Roxana	1939 1950 1956 1958 1964 1973 2009
Lee	Salem	1939 1950 1958 1964 1973 2009
Lee	Shotwell	1939 1950 1958 1964 1973 2009
Lee	Smiths Station	1939 1950 1958 1964 1973
Lee	Spring Villa	1939 1950 1958 1964 1973
Lee	Stonewall	1939 1958 1973 2009
Lee	The Bottle	1939 1958 1964 2009
Lee	Tillery Crossroad	1958 1964 2009
Lee	Wacoochee Valley	2009
Lee	Whatley Crossroad	1939 1950 1958 1964 1973 2009
Lee	Whatley Mill	1950 1958 1964
Lee	Wrights Crossroads	1939 1950 1958 1964 1973 2009
Lee	Yarbrough	1950 1958 1964 2009

© 2011 University of Alabama

To purchase copies (*digital only*) of aerial photographs, download and print a [quote request form](#).

Section 3: Alabama Historic Aerial Photo Archive

- Use the Archive to find historic aerial photos for your property or an area of interest.
- See how many years of photos you can find for your property or and area of interest.
- Create a photo timeline for your property.



1-30-73

A 40

01081 273 22









Section 3: Alabama Historic Aerial Photo Archive To Purchase Digital Copies –Download a Quote Request

Aerial Photography of Lee County - Windows Internet Explorer

http://alabamamaps.ua.edu/aerials/Counties/Lee/index.html

File Edit View Favorites Tools Help

Aerial Photography of Lee County

Lee	Opelika NE	1958 1964
Lee	Opelika NW	1958 1964
Lee	Opelika SE	1958 1964 2009
Lee	Opelika SW	1958 1964
Lee	Parkers Crossroads	1939 1950 1958 1964 2009
Lee	Pine Grove	1939 1950 1958 1964 1973 2009
Lee	Powledge	1950 1964 2009
Lee	Prince Crossroad	1939 1950 1958 1964 2009
Lee	Ridge Grove	1939 1950 1958 1964 2009
Lee	Robert G. Pitts Airport	1950 1958 1964 1981
Lee	Rowells Crossroad	1939 1950 1958 1973 2009
Lee	Roxana	1939 1950 1956 1958 1964 1973 2009
Lee	Salem	1939 1950 1958 1964 1973 2009
Lee	Shotwell	1939 1950 1958 1964 1973 2009
Lee	Smiths Station	1939 1950 1958 1964 1973
Lee	Spring Villa	1939 1950 1958 1964 1973
Lee	Stonewall	1939 1958 1973 2009
Lee	The Bottle	1939 1958 1964 2009
Lee	Tillery Crossroad	1958 1964 2009
Lee	Wacoochee Valley	2009
Lee	Whatley Crossroad	1939 1950 1958 1964 1973 2009
Lee	Whatley Mill	1950 1958 1964
Lee	Wrights Crossroads	1939 1950 1958 1964 1973 2009
Lee	Yarbrough	1950 1958 1964 2009

© 2011 University of Alabama

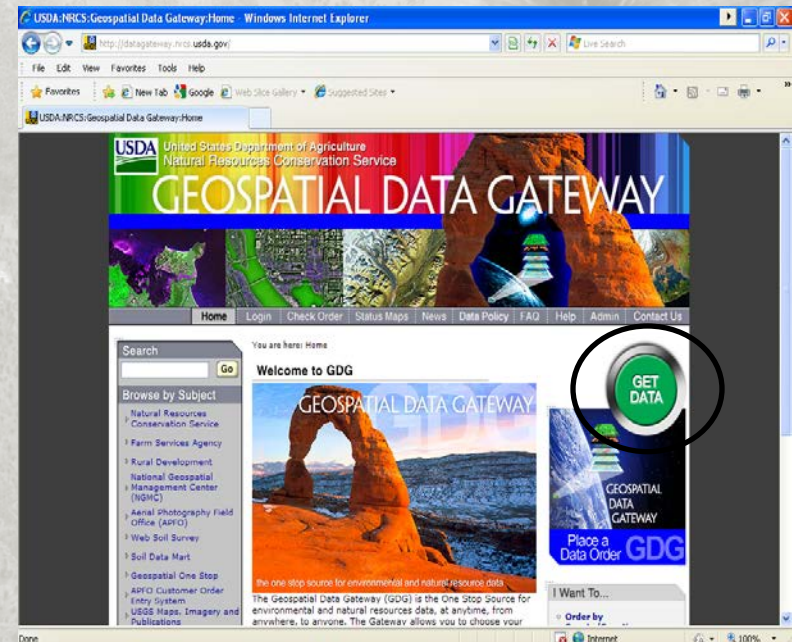
To purchase copies (*digital only*) of aerial photographs, download and print a [quote request form](#).

Section 3: Alabama Historic Aerial Photo Order Form

- Fill out the required information
- Follow the directions for purchasing digital copies of the aerial photographs
- If you are unable to find an area of interest, send an email alabama.maps@ua.edu with a location description and coordinates requesting if historical aerial photographs are available and what years are available.
 - You can get coordinates from your GPS unit or using the tutorial information from Google Earth.

Section 4: NRCS Geospatial Data Gateway

- Online application to search for data
- Requires a Geographical Information System (GIS) or a viewer
- For more advanced users
- Search for data (examples include aerial imagery, topographic maps, elevation information, soils, land use land cover, geology, climate data, etc.)



NRCS Geospatial Data Gateway

- For more advanced users that have a GIS software package or view, the NRCS Geospatial Data Gateway is provides a wide variety of data options.
- Homepage
 - <http://datagateway.nrcs.usda.gov/>
- Keywords: NRCS, Geospatial, Data, Gateway
- Frequently Asked Questions
 - http://datagateway.nrcs.usda.gov/GDGHome_FAQ.aspx

The list in the middle pane indicates the available map layers for your area of interest. The number of maps and total size of the map layers are listed next to the description. Clicking on the **i** icon will provide a pop-up window with that map layer's description. Use the **+** icon to get a list of individual maps for that map layer. Within the list of maps, use the **m** icon to get metadata for the specific map and the **globe** icon for an individual map preview. You may collapse this map list with the **-** icon. Your selections will be added to the YOUR ORDER Panel on the far right.

You may change your map layers after this step but all of the subsequent choices made for your order will be removed.

Here are the available map layers for your selected area of interest.

- 2006 National Ag. Imagery Program Mosaic, 1 map 734.933 MB **i** **+**
- 2009 National Ag. Imagery Program Mosaic, 1 map 583.504 MB **i** **+**
- Geographic Names**
 - Geographic Names - Populated Places, 1 map 0.060 MB **i** **+**
 - Geographic Names - Non-Populated Places, 1 map 0.316 MB **i** **+**
- Land Use Land Cover**
 - National Land Cover Dataset by State, 1 map 247.251 MB **i** **+**
 - Cropland Data Layer by State, 1 map 68.096 MB **i** **+**
- Geology**
 - National scale Geology by State, 1 map 34.994 MB **i** **+**
- Soils**
 - Major Land Resource Areas by State, 1 map 1.556 MB **i** **+**
 - Common Resource Areas by State, 1 map 1.794 MB **i** **+**
 - Soil Survey Spatial and Tabular Data (SSURGO 2.2), 1 map 29.855 MB **i** **+**
 - Soil Survey Tabular Data Only, 1 map 15.170 MB **i** **+**
 - U.S. General Soil Map (STATSGO) - State Subset, 1 map 25.875 MB **i** **+**
- Climate Precipitation**
 - Annual Average Precipitation by State, 1 map 0.945 MB **i** **+**
 - Monthly Average Precipitation by State, 12 maps 7.765 MB **i** **+**
- Climate Temperature**
 - Annual Minimum Temperature by State, 1 map 1.820 MB **i** **+**

Order Area
(Where): Lee County, Alabama

Order Map Layers
(What):

- Soil Survey Spatial and Tabular Data (SSURGO 2.2)
29.855 Megabytes, 1 Map

Order Format
(How): None
Order Projection
(How): None
Order Inclusion
(How): None
Order Delivery Method
(How): None

Order Recipient (Who):

inclusion will be available in the center panel. The delivered format for image layers is indicated in the format column of the **Status Maps** page. For information about the Inclusion options, see the **Inclusion Table**. Some formats are not available for some map layers. If you do not see your format listed you may wish to remove map layers and place separate orders.

Please note that there is a charge for physical media for non-USDA personnel.

4-WHO
5-REVIEW

PROJECTION

Available projections are based on the map layers chosen. A single projection must be chosen for the whole order. If you desire to have different projections for different map layers, it is recommended to make separate orders for each map layer. Please select a projection for the order:

- Select Projection
- Select Projection
- Geographic NAD83
- AutoUTM
- UTM Zone 16 NAD83
- State Plane Alabama East NAD83

The Data Inclusion option indicates the inclusion will be delivered with a selected map layer. This is similar to a "clipping" option for the map layers. Due to the limitations for your selected area of interest (Where) the inclusion will be **Standard** (the entire data set will be delivered for the order area chosen).

For a list of what to expect for geographical coverage for each map layer in your order, see this **Inclusion Table**.

DELIVERY

Please select a delivery option for the order. Available delivery options are based on map layers chosen. USDA personnel may obtain data on optical media (DVD,CD) without incurring a cost. Other agencies and the private sector are charged: **FIFTY DOLLARS (50.00 US) FOR EACH CD and ONE-HUNDRED DOLLARS (\$100.00 US) FOR EACH DVD.**

- FTP Estimated completion in: 1 Minute. [Click to see a download time chart.](#)
- CD This order will require 1 CD(s) for a total of \$50.00 US.
- DVD Requested data will not exceed CD size capacity.

For additional delivery options please click [Here](#)

CONTINUE

• Soil Survey Spatial and Tabular Data (SSURGO 2.2)
13.430 Megabytes, 1 Map

Order Format
(How): ESRI Shape
Order Projection
(How): None
Order Inclusion
(How): Standard
Order Delivery Method
(How): FTP

Order Recipient (Who):

Other Sources of Data

- Alabama Cooperative Extension Service: Alabama Water Quality Information Systems
 - http://www.aces.edu/waterquality/gis_data/index.php
 - http://www.aces.edu/waterquality/gis_data/gis_data_viewers.htm
- GIS Data Depot
 - <http://data.geocomm.com/>
- Landsat
 - <http://www.landsat.com/alabama-free-gis-data.html>

Section 5: USDA National Agroforestry Center (NAC) CanVis

- Requires downloading a program or requesting a CD or DVD
- Create visual simulations of potential management options using digital photographs
- Excellent online tutorials and help menus



Section 5: USDA NAC CanVis

- Keywords: National, Agroforestry, CanVis, visual simulation
- See <http://www.unl.edu/nac/simulation/index.htm>
- For users with an interest in creating visual simulations of potential management options using digital photographs, CanVis provides a variety of options.

Section 5: USDA NAC CanVis

- CanVis is a free program that requires either downloading the program or ordering a CD or DVD.
- Download
 - <http://www.unl.edu/nac/simulation/download.htm>
- Order
 - <http://www.unl.edu/nac/simulation/order.htm>



Section 5: USDA NAC CanVis Image Editing Software

- With CanVis users can:
 - Edit digital photographs
 - Add trees, shrubs, grasses and groundcover, etc.
 - Remove trees, shrubs, buildings, etc. from a photograph
 - Use a series of photographs to show a simulation before and after a potential management option like planting trees, planting shrubs, thinning a stand, adding a fence, etc.

Section 5: USDA NAC CanVis Examples

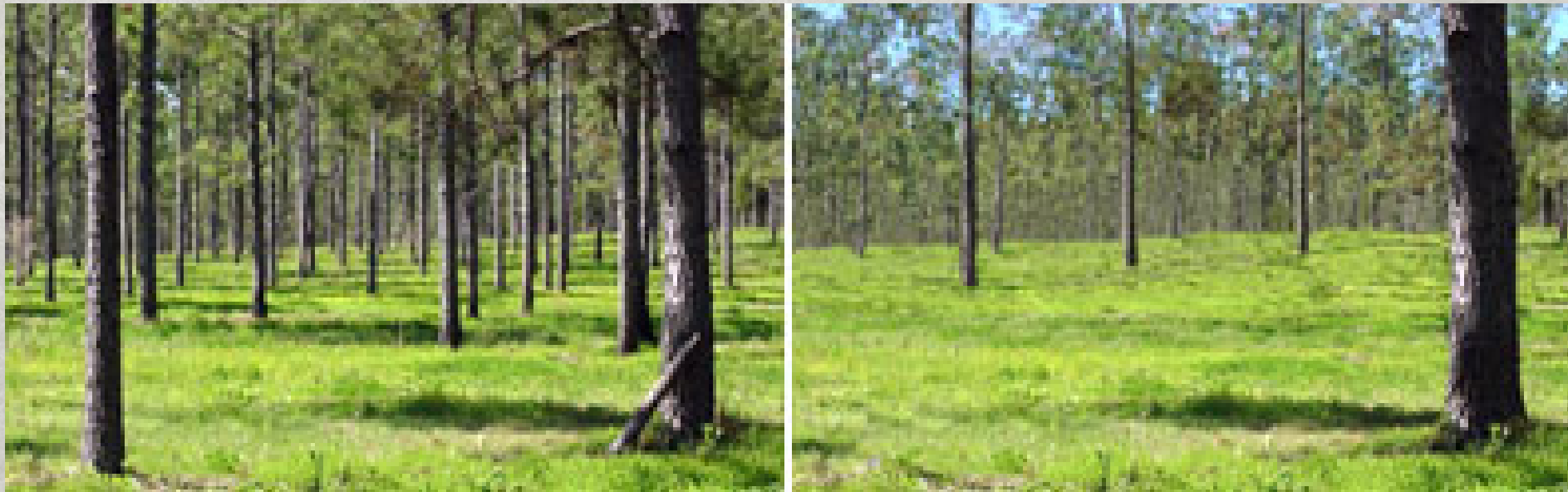
- A picture can really make a difference when making decisions and planning management options.
- Example simulations can be found at <http://www.unl.edu/nac/simulation/examples.htm>

Section 5: USDA NAC CanVis Examples



<http://www.unl.edu/nac/simulation/examples.htm>

Section 5: USDA NAC CanVis Examples



<http://www.unl.edu/nac/simulation/examples.htm>

Section 5: USDA NAC CanVis

Example of a potential future silvopasture stand



Image create using CanVis 2.3

Section 5: USDA NAC CanVis Help Guide, Training Movies, and Publications

- CanVis is downloaded with a detailed guide and training movies
- Publications are available at the bottom of the page at
<http://www.unl.edu/nac/simulation/products.htm#canvis> and
<http://www.unl.edu/nac/publications.htm>

Plenty of Additional Options

- Global Positioning System (GPS) Visualizer
- DRN GARMIN/DNR GPS
- Forest*A*Syst
- Use your favorite search engine



GPS Visualizer

- <http://www.gpsvisualizer.com/>
- Keywords: GPS visualizer
- Online Application
 - Plot points
 - Freehand Drawing Utility
 - Upload GPS data
 - File conversions
 - Create maps

GPS Visualizer

- [About GPSV](#)

- [DRAW A MAP](#)

- [DRAW A PROFILE](#)

- [CONVERT A FILE](#)

- [Atlas: Share a map](#)

- [Geocode an address](#)

- [Look up elevations](#)

- [Google Earth overlays](#)

- [Calculators](#)

- [GPSBabel](#)

- [Help/FAQ](#)

- [Examples](#)

- Partner sites:

- [GlobalMotion.com](#)

- [EveryTrail.com](#)

- [EveryTrail Guides](#)

AdChoices

[Ads by Google](#)
[GPS Map](#)
[Garmin Map](#)
[GPS TomTom](#)
[Garmin GPS](#)

Free Online Maps

[www.MapsGalaxy...](#)

Get Maps,
Directions, Street
Views & Traffic with
Free Install!



GPS Visualizer: Do-It-Yourself Mapping

GPS Visualizer is a **free**, easy-to-use online utility that creates maps and profiles from GPS data (tracks and waypoints, including GPX files), driving routes, street addresses, or simple coordinates. Use it to see where you've been, plan where you're going, or visualize geographic data (business locations, scientific observations, events, customers, real estate, geotagged photos, "GPS drawing," etc.).

Get started now:

 Upload a GPS file:

 Choose an output format:

To set more options, use the detailed input pages:

[Google Maps](#)
[Google Earth KML](#)
[JPEG/PNG/SVG](#)
[maps](#)
[Plot data points](#)
[Profiles](#)
[\(elevation, etc.\)](#)
[Convert to GPX](#)
[Convert to plain text](#)
[Geocoding](#)
[Freehand drawing tool](#)
[Freehand drawing tool](#)



Help keep GPS Visualizer free

GPS Visualizer is a free service and hopefully always will be; however, if you find it interesting, time-saving, or just plain fun, you can say "thanks" -- and encourage further development -- by clicking the button above and making a contribution via credit card or PayPal. Or, you could send an [Amazon wish list](#) item.

GPS Visualizer: Freehand Drawing Utility: Draw on a map and save GPX data - Windows Internet Explorer

http://www.gpsvisualizer.com/draw/

File Edit View Favorites Tools Help

Favorites New Tab (3) New Tab (2) Google Please Log In New Tab

GPS Visualizer: Freehand Drawing Utility: Draw on a m...

GPS Visualizer
Freehand Drawing Utility ("The Sandbox")

Use the toolbar on the right to add waypoint markers, tracks, and areas to the map. When you're finished, click one of the "save" buttons to save your data as a standard GPX file or as Google Earth KML (pop-up blockers may interfere with the saving process).

Use this box to re-center the map on an address or city:

100% Google hybrid

Drawing tools:

pan wpt trk area GPX KML save

Your map elements:

Measure distance Draw a line

Measure area Draw a shape

Mouse: 37.71859,-167.34375
 Center: 30.00000,-30.00000

2000 mi
 2000 km

NEW! — [Link to this view](#)

Map created at [GPSVisualizer.com](#)

Imagery ©2013 NASA, TerraMetrics, Map data ©2013 MapLink, Tele Atlas - [Terms of Use](#)

Imagery ©2013 NASA, TerraMetrics,
 Map data ©2013 MapLink, Tele Atlas

GPS Visualizer: Freehand Drawing Utility: Draw on a map and save GPX data - Windows Internet Explorer

http://www.gpsvisualizer.com/draw/

File Edit View Favorites Tools Help

★ Favorites ☆ New Tab (3) New Tab (2) Google Please Log In New Tab

GPS Visualizer: Freehand Drawing Utility: Draw on a m...

GPS Visualizer

Freehand Drawing Utility ("The Sandbox")

Use the toolbar on the right to add waypoint markers, tracks, and areas to the map. When you're finished, click one of the "save" buttons to save your data as a standard GPX file or as Google Earth KML (pop-up blockers may interfere with the saving process).

Use this box to re-center the map on an address or city:

Google found: **Auburn, AL, USA**
(32.6098566,-85.4807825)
[precision: city]

Measure distance

[Draw a line](#)

Measure area

[Draw a shape](#)

Mouse: 32.59251,-85.4888
Center: 32.59014,-85.49365

200 ft
100 m

100%

Google hybrid

- Google map
- Google aerial
- Google hybrid
- Google terrain
- OpenStreetMap
- OpenCycleMap topo
- World aerial (MQ)
- World streets (MQ)
- World streets (ArcGIS)
- World topo (ArcGIS)
- US aerial (NAIP)
- US b/w aerial (USGS)
- US topo (ArcGIS)
- US topo (USGS)
- US counties
- Canada Toporama
- Can. Topo (no names)
- Can. Topo (old)
- EU/US/Can. topo (4U)
- Yahoo map
- Yahoo aerial
- Yahoo hybrid
- U.S. aviation charts
- NOAA nautical charts

Drawing

Your map

NEW! - [Link to this view](#)

Map created at GPSVisualizer.com

Imagery ©2013 DigitalGlobe, USDA Farm Service Agency, Map data ©2013 Google - Terms of Use

Done Internet 100%

Imagery ©2013 DigitalGlobe, USDA Farm Service Agency, Map data ©2013 Google

GPS Visualizer: Freehand Drawing Utility: Draw on a map and save GPX data - Windows Internet Explorer

http://www.gpsvisualizer.com/draw/

File Edit View Favorites Tools Help

Favorites New Tab (3) New Tab (2) Google Please Log In New Tab

GPS Visualizer: Freehand Drawing Utility: Draw on a m...

GPS Visualizer
Freehand Drawing Utility ("The Sandbox")

Use the toolbar on the right to add waypoint markers, tracks, and areas to the map. When you're finished, click one of the "save" buttons to save your data as a standard GPX file or as Google Earth KML (pop-up blockers may interfere with the saving process).

Use this box to re-center the map on an address or city:

 Google found: **Auburn, AL, USA**
 (32.6098566, -85.4807825)

Measure distance
[Draw a line](#)

Measure area
39948 m² 429996 ft.²
3.99 ha 9.87 acres
 (from Google, ±0.3%)
 Click on the map to add points, right-click to delete points, or [click here](#) to stop drawing

Mouse: 32.58871, -85.49416
 Center: 32.59007, -85.49242

200 ft
100 m

100% Google hybrid

Drawing tools:
 pan wpt trk area save
 GPX KML

Your map elements:

Old Camp Rd S Donahue Dr Solar House Woodfield Dr Plant Science Research C

Map created at GPSVisualizer.com

Imagery ©2013 DigitalGlobe, USDA Farm Service Agency, Map data ©2013 Google - Terms of Use

Done Internet 100%

Imagery ©2013 DigitalGlobe, USDA Farm Service Agency, Map data ©2013 Google

GPS Visualizer

Freehand Drawing Utility ("The Sandbox")

Use the toolbar on the right to add waypoint markers, tracks, and areas to the map. When you're finished, click one of the "save" buttons to save your data as a standard GPX file or as Google Earth KML (pop-up blockers may interfere with the saving process).

Use this box to re-center the map on an address or city:

Google found: **Auburn, AL, USA**
(32.6098566,-85.4807825)
[precision:city]

100% Google hybrid

Drawing tools:

Your map elements:

Measure distance

[Draw a line](#)

Measure area

74552 m² 802472 ft.²

7.46 ha 18.42 acres

(from Google, ±0.3%)

[Edit the shape, or delete it](#)

Mouse: 32.59115,-85.48953

Center: 32.59086,-85.48907

50m

10m

NEW!— [Link to this view](#)

Map created at [GPSVisualizer.com](#)

Map data ©2013 Google - [Terms of Use](#)

DNR Garmin/DNR GPS

Minnesota Department of Natural Resources

- <http://www.dnr.state.mn.us/mis/gis/tools/arcview/extensions/DNRGarmin/DNRGarmin.html>
- Keywords: DNR Garmin GPS Minnesota
- Download a program

DNR Garmin/DNR GPS Screenshot

Functionality Highlights

Upload/Download
Waypoints, Tracks, Routes

Save as .gdb, .shp, .txt, etc

Calculate shape attributes

Calculate Area, Perimeter,
Length-coming soon

Calculate CEP

Determine Circular Error
Probability rings for Error
estimation

Convert points, lines, polygons

Image Hotlinking

Real-time tracking

Set projections

USB Connectivity

Forest*A*Syst

- <http://www.forestasyst.org/>
- Online application
- Profile your land (aerial photography, soils, forest cover, and ecological information)
- Resources and contacts



Forest* A *Syst



Forest*A*Syst - Tools to Manage your Private Woodl...

Manage Private Woodlands

HOME

ABOUT FOREST* A *SYST

CONTACT FOREST* A *SYST

SEARCH

Introduction

Timber Management

Wildlife Management

Recreation

Forest Health

Soil & Water Quality

Agroforestry

Invasive Species

Fire Wise

Management Plan

Profile Your Land

Glossary

Contact a Professional

Alabama

State Contacts

- [State Forestry Department](#)
- [Local Cooperative Extension Office](#)
- [State Land Grant Universities](#)
- [Auburn University, School of Forestry & Wildlife Sciences](#)
- [Alabama A&M University, Center for Forestry and Ecology](#)
- [Local USDA Service Center](#)
- [National Agroforestry Center](#)
- [Find a Consulting Forester](#)
- [Local Conservation Districts and Commissions](#)
- [Seed / Seedling Suppliers](#)
- [Local Resource Conservation and Development Councils](#)



Property Searches and Information

Property Searches and Tax Information

Alabama Assessor and Property Tax Records Search ...

[Home](#) [Free Searches](#) [Blog](#) [Tools](#)

[Share](#) | [Google](#) [Facebook](#) [Twitter](#) [Email](#)



Alabama Assessor and Property Tax Records Directory



Google™ Custom Search

Search

Page 1 [>> Next Page](#)

Search public records by Alabama county

- Choose an Alabama County ▾

Search public records by Alabama town or zip code

Search public records by category

- Choose a Public Record Category ▾

Search public records in other states

--Choose a State-- ▾

About Assessor and Property Tax Records in Alabama

Each of Alabama's counties contains an Assessor office which is responsible for real and personal property tax records. Land and land improvements are considered real property while mobile property is classified as personal property.

Many counties maintain an online searchable database to find property tax and assessment records. One can typically search using an interactive map, by parcel number, address, or owner name. Counties without an online database can be contacted via phone, fax, mail, or in person.

Advertising

[Search AL Public Records](#)

[AL Marriage Records](#)

[AL Divorce Records](#)

[AL Criminal Records](#)

[AL Death Records](#)

Public Records Search

Advertising

First Name:

Last Name:

State:

Alabama ▾

Select Record Type: Public Background Checks Marriage Divorce Criminal Birth Death Vital

Alabama Assessor and Property Tax Directory

- <http://publicrecords.onlinesearches.com/Alabama-Assessor-and-Property-Tax-Records.htm>
- Key words: Alabama Tax Assessor Directory
- Search by County
 - Property search
 - Tax records
 - GIS mapping

Alabama Assessor and Property Tax Records Search

Alabama Assessor and Property Tax Records Search ...

mapping.

Lawrence County Revenue Commissioner
Lawrence County Courthouse, Annex 1
750 Main Street, Suite 1, Moulton, AL 35650
Phone: (256) 974-2473 Fax: (256) 974-2430

Free Search

[Property Tax Search & Payments](#) broken link?

Search Lawrence County property tax records and pay online.

Lee County

Free Search

[Property & Vehicle Tax Search](#) broken link?

Search Lee County property and vehicle tax records and pay online.

Free Search

[Property Search & Mapping](#) broken link?

Search Lee County property assessments, tax records, and property maps.

[Assessor - Revenue Commissioner - Tax Sales](#) broken link?

Lee County Revenue Commissioner
Lee County Courthouse
215 South 9th St., Opelika, AL 36801
Phone: (334) 737-3655 Fax: (334) 705-5081

Limestone County

Free Search

[Property Search](#) broken link?

Search Limestone County property tax and assessment records.

[Assessor - Revenue Commissioner - Tax Sales](#) broken link?

Limestone County Revenue Commissioner
Clinton Street Courthouse Annex
100 South Clinton St., Suite A, Athens, AL 35611
Phone: (256) 233-6433 Fax: (256) 233-6692

Free Search

[Property Tax Payments](#) broken link?

Pay your Limestone County property taxes online.

Lowndes County

Free Search

[Property Search & Mapping](#) broken link?

Search Lowndes County property records through GIS

[Assessor - Revenue Commissioner - Tax Sales](#) broken link?

Lee County, AL Online Assessment and Appraisal Record Search

▲ Lee County

ALABAMA

<http://www.leecountyrevenuecommissioner.com/>

Lee County, Alabama

Search Page

Welcome to the Lee County, Alabama online Assessment and Appraisal record search. This search engine provides property tax and appraisal information of record in Lee County, Alabama. This information is updated frequently for the current tax year, but may not reflect actual, up-to-date courthouse records.

To begin your search, choose the link below.

[Assessment and Real Property Appraisal](#)

[Current Year Real Estate Tax Info](#)

[Lee County Property Maps](#)

[Pay Property Tax Online](#)



Another Service From:
Oline W. Price, ACTA
Revenue Commissioner

Lee County, AL Online Assessment and Appraisal Record Search

★ Favorites ▲ Delta Computer Systems



LEE COUNTY ALABAMA Property Appraisal™ Lee County, Alabama

To view your property information:
Enter the information into one of the fields below then click on the submit button.

Name (last first)

Address (number / street)

Parcel Number - - - - - - -

Subdivision Code [find subdivision code](#)

PPIN

[Home](#) | [Search](#) | [Real Property](#) | [Appraisals](#) | [Terms of Use](#) | [Privacy Policy](#) | [Contact Us](#) | [Help](#)

Lee County, AL Online Assessment and Appraisal Record Search

★ Favorites ▲ Lee County Alabama



LEE COUNTY
ALABAMA

Copyright 2012

Property Appraisal Link

LEE COUNTY, AL

Current Date 9/19/2012 Tax Year 2011

NAME	ST. ADDRESS	PARCEL	PPIN
AUBURN UNIVERSITY	000000 AL HWY 147	05-07-25-0-000-003.000	004097
AUBURN UNIVERSITY	000000 LEE RD 0085	05-07-35-0-000-001.000	004098
AUBURN UNIVERSITY	000000 US HWY 280	05-07-36-0-000-002.000	004099
AUBURN UNIVERSITY	000000 SHUG JORDAN	08-07-36-3-000-002.000	004842
AUBURN UNIVERSITY	000101 S DEBARDELE	09-09-29-2-002-097.000	004964
AUBURN UNIVERSITY	000000 DEBARDELEBE	09-09-29-3-001-065.000	004965
AUBURN UNIVERSITY	000000 *	05-07-25-0-000-002.001	004971
AUBURN UNIVERSITY	000000 *	05-07-26-0-000-017.000	004972
AUBURN UNIVERSITY	000000 N & S OF CO	08-01-01-0-000-001.000	004973
AUBURN UNIVERSITY	000000 LEE RD 0091	08-01-02-1-000-001.000	004974
AUBURN UNIVERSITY	000000 LEE RD 0085	08-01-02-2-000-001.000	004975
AUBURN UNIVERSITY	000000 LEE RD 0083	08-01-12-0-000-001.000	004976
AUBURN UNIVERSITY	000000 MAGNOLIA AV	08-07-25-2-002-091.000	004982
AUBURN UNIVERSITY	000000 WIRE RD	08-07-36-2-000-002.000	004983
AUBURN UNIVERSITY	000000 WIRE RD	08-07-36-2-000-006.000	004984
AUBURN UNIVERSITY	000000 AL HWY 147	09-03-06-3-000-005.000	004985
AUBURN UNIVERSITY	000000 LEE RD 0072	09-03-06-3-000-001.000	004986
AUBURN UNIVERSITY	000000 *	09-03-07-0-000-004.000	004987

Lee County, AL Online Assessment and Appraisal Record Search

★ Favorites
▲ Lee County Alabama
Home
»



Copyright 2012

Property Appraisal Link

LEE COUNTY, AL

Current Date 9/19/2012 Tax Year 2011

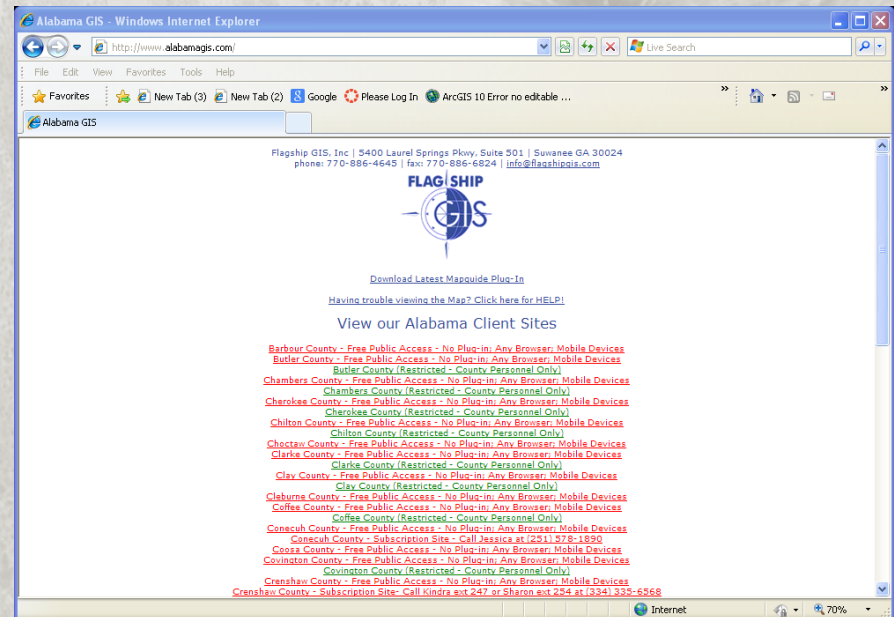
OWNER INFORMATION	
PARCEL	05-07-25-0-000-003.000 PPIN 004097 TAX DIST 02
NAME	AUBURN UNIVERSITY
ADDRESS	
DEED TYPE 00	BOOK 0403 PAGE 0000408
PREVIOUS OWNER	
LAST DEED DATE	11/24/1953

DESCRIPTION	
PART SEC 25 T20N R25E: BEG NW COR; S 2473.2'; E 1081.4'; SW 900'S TO NE ROW US HWY 280; SE 3225'S ON ROW; SE 570'S TO N ROW LEE RD 90; E 490'S ON ROW; N 3765'S TO SW ROW HEATH RD; NW 135'S; W 247.3'; N 434.2'; NW 1340'S ON ROW; W 2800'S TO POB. ALSO PART SEC 25 T20N R25E: BEG SW COR; N 805'S TO W ROW LEE RD 46; E 60'S TO E ROW LEE RD 46; N 1245'S ON ROW TO SW ROW US HWY 280; SE 4050'S ON ROW; W 3585'S TO POB EXCEPT ROW	

PROPERTY INFORMATION	
PROPERTY ADDRESS	AL HWY 147 N
NEIGHBORHOOD	AU
PROPERTY CLASS	SUB CLASS
LOT BLOCK	
SECTION/TOWNSHIP/RANGE	25-20N-25E

Alabama GIS

- <http://www.alabamagis.com/>
- Keywords: Alabama GIS
- Flagship GIS, Inc.
- Free public access and subscription levels



Lee County Flagship GIS

Lee Public GIS Frame - Windows Internet Explorer

http://www.alabamagis.com/Lee/frameSet.cfm?cfid=151128&cftoken=86877027

File Edit View Favorites Tools Help

★ Favorites New Tab (3) New Tab (2) Google Please Log In ArcGIS 10 Error no editable ... Arcview GIS and a UTM to S...

Lee Public GIS Frame

Lee County Alabama
2012 - Public GIS
Web13 - d13.2 - LeAL - 12-22-2012

Basic Search

Pin:

Parcel (s): 43- through 43-

Owner: begins with

PrtyAddr: St Name:

TL Acres:

TL Value:

District:

Search Clear

Subscription Site has more data, features and high resolution aerials; [Go to Subscription Website](#)

Instructions

Simply enter your search criteria into one or more of the Search Boxes above and then click the Search Button.

You don't need to type the whole thing. I.e. type in "Jones W" in the Owner Box and hit Search to find all parcels owned by anyone with a last name of "Jones", and a first-name that begins with "W".

This will search the parcel database and display the parcels below the map that match your search criteria.

Then, simply pick the spy-glass on the left side beside the parcel you wish to zoom to.

Big Map County Overlays Street View Show Legend

Basemaps Select Clear Selection Zoom LL Measure Tools Printing

Alexander City Coosa Tallapoosa Elmore Macon Montgomery Bullock

Lafayette Chambers Troup Meriwether

Jamesville 05 04 Mt. Jeffers 09 02 Beulah 01 07 08 Auburn Lee 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Harris Talbot Muscogee Columbus Marion

26 feature(s) selected on 1 layer(s) | 1: 577792 | 105 x 85 m | Powered by Infrastructure Map Service

Server Error

500 - Internal server error.

There is a problem with the resource you are looking for, and it cannot be displayed.

Done Internet 70%

106

Lee County Alabama 2012 - Public GIS Parcel Details

[FavLink](#) [New search](#) [Back](#) [Print](#)

Parcel

Delta Pin: 42714
 Parcel No: 43 08 07 35 0 000 005.000
 Prop Addr: 0 LEE RD 0070
 Deed Acres: 45.00
 Deed Info: B 0438 F 0000273 D 11-10-1956
 Plat Info: B P
 Neighborhood: DI8T06
 Tax District: 05-County

Owner

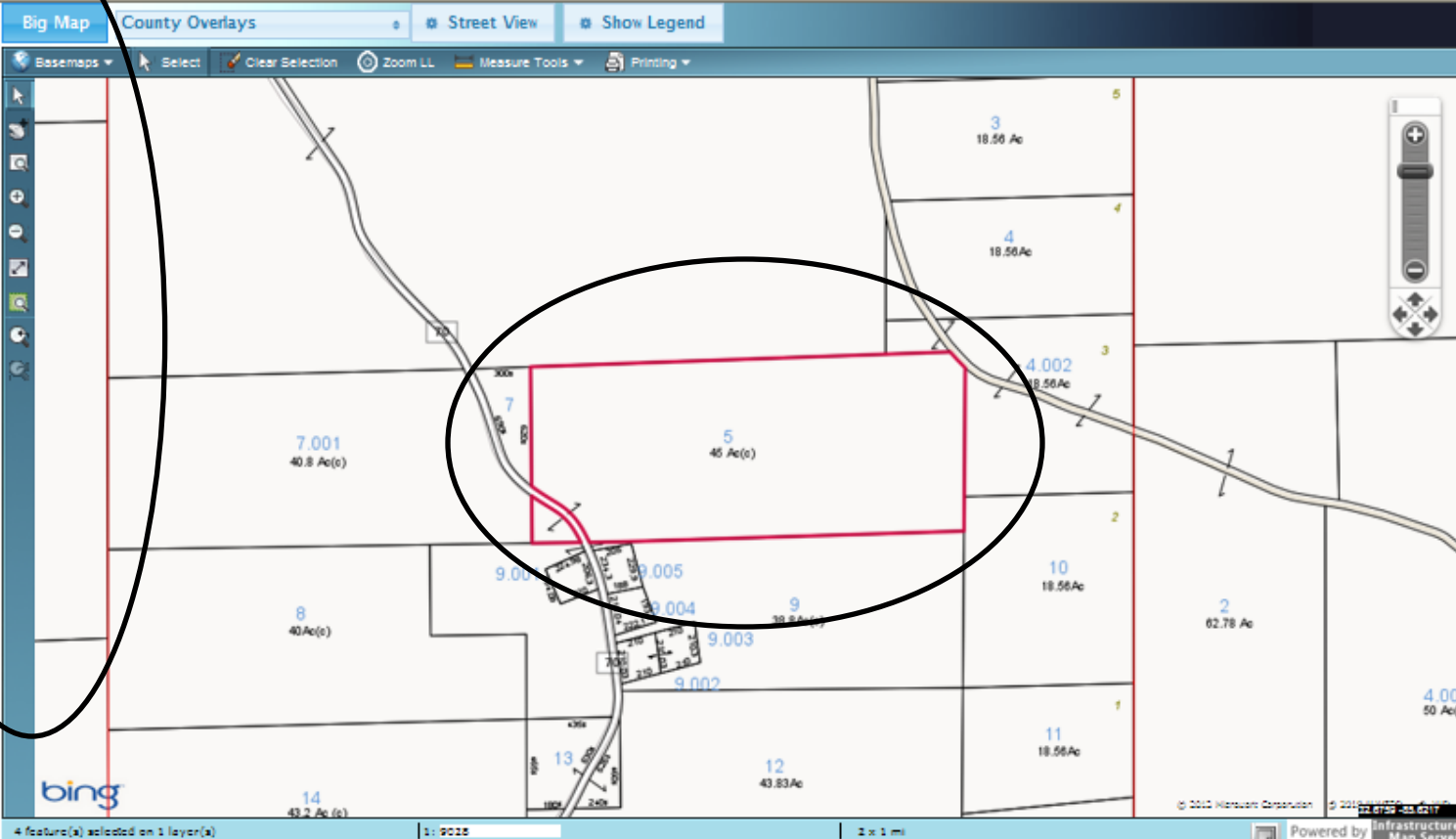
Name: WEBB CLYDE GROVER
 Address: JOHN TYLER WEBB
 Address: 86 LEE RD 318
 City, State, ZIP: AUBURN, AL 36830

Values

Land Total: \$67,600.00
 Building Total: \$0.00
 Appraised Value: \$67,600.00
 Yrly Tax: 101.28

Tax History

Tax Year	Date Paid	Amount
2011	10/24/2011	\$69.82
2010	11/17/2010	\$67.53



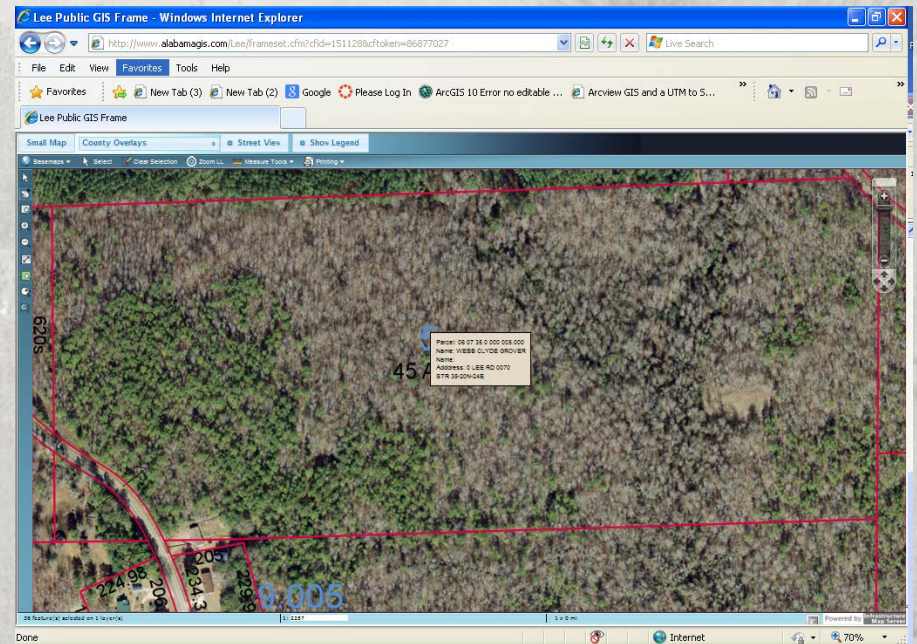
LeeAL - 2012 - BASIC PARCEL SUMMARY - 1 Records

Subscription Site has more data and features: [Go to Subscription Website](#)

Row	Info	Pin	Parcel	Name	Parcel Address	Land	Ime	Mlki	Acresage	Tax Dist
1		42714	43 08 07 35 0 000 005.000	WEBB CLYDE GROVER	0 LEE RD 0070	\$67,500	\$0	\$67,500	45	County

Lee County Flagship GIS

- Select backgrounds
- Print a map
- Save a digital copy
- Measure distances
- Measure areas



US Dept of the Interior Bureau of Land Management General Land Office Records

- Online application
- Information about:
 - Land Patents
 - Survey Plats and Field Notes
 - Land Status Records
 - New Mapping Feature*



Search Documents by Location

The screenshot shows a web browser window titled "Search - BLM GLO Records - Windows Internet Explorer". The address bar displays the URL: <http://www.glorerecords.blm.gov/search/default.aspx#searchTabIndex=1>. The page features a navigation menu with "Search Documents", "Reference Center", "Support", and "Shopping Cart". Below the menu, there are three search tabs: "Search Documents By Type", "Search Documents By Location" (which is selected), and "Search Documents By Identifier".

The "Search Documents By Location" section contains a table titled "Mapped Townships" and a map of Alabama. The table has the following content:

	Land Description	Search
<input checked="" type="checkbox"/>	ALABAMA, St Stephens Twp 19.0N Rng 27.0E	<input type="button" value="Search"/>

The map shows a highlighted orange rectangle over a region in Alabama, with labels for "Opelika", "US-280", "Salem", and "CHAMBERS LEE". A sidebar on the left provides instructions for searching by location:

To search for documents by location:

1. Right-click on the map location.
2. Select **Map Township**.
 - The township will be drawn on the map.
 - The township will appear in the panel above.
3. Click **Search** next to the desired township.

The browser's status bar at the bottom shows the URL <http://www.glorerecords.blm.gov/default.aspx> and the page is zoomed to 100%.

Example Land Patent for Lee County

Search Results - BLM GLO Records - Windows Internet Explorer

http://www.glorerecords.blm.gov/results/default.aspx?searchCriteria=type=patent|st=AL|cty=081|sp=tru

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT PRIVATE CLAIMS
 General Land Office Records

Search Documents Reference Center Support Shopping Cart

Search Documents Results List

Patents 1 ... 2 3 4 5 6 ... 100 Next

Note: Your list may be incomplete due to an administrative limit of 2000 results. For suggestions on refining your search, [click here](#).

Image	Accession	Names [7]	Date	Doc.#	State	Meridian	Twp - Rng	Aliquots	Sec. #	County
	AL5010_247	ABERCROMBIE, CHARLES	7/29/1839	247	AL	St Stephens	018N - 026E	N1/2	17	Lee
	AL4370_017	ABERCROMBIE, JAMES	6/1/1849	9547	AL	St Stephens	017N - 029E	SE1/4NE1/4	12	Lee
	AL5030_137	ADAIR, JOHN D	12/16/1839	19	AL	St Stephens	018N - 028E	N1/2	2	Lee
	MY-0517-043	ADAMS, ELDRIDGE	6/27/1907	14239	AL	St Stephens	019N - 028E	SW1/4SW1/4	10	Lee
	AL4440_323	ADAMS, ELDRIDGE	3/1/1858	14042	AL	St Stephens	019N - 028E	E1/2SW1/4	10	Lee
	AL1370_379	ADAMS, SAMUEL C	4/8/1837	2481	AL	St Stephens	017N - 027E	SW1/4SE1/4	21	Lee
	AL1370_380	ADAMS, SAMUEL C	4/8/1837	2482	AL	St Stephens	017N - 027E	SE1/4SE1/4	21	Lee
	AL4250_067	ADAMS, SAMUEL C	4/10/1837	3679	AL	St Stephens	017N - 027E	E1/2NE1/4	21	Lee

Internet Explorer

http://www.glorerecords.blm.gov/results/default.aspx?accession=AL4370_017&docClass=STA&sic

Information on [Certified Copies](#). (You can decide later whether or not to purchase the documents in your cart.)

58.8%

Comment Share

THE UNITED STATES OF AMERICA,

CERTIFICATE }
547 }

To all to whom these Presents shall come, Greeting:

WHEREAS *James Abercrombie of Russell county Alabama*


has deposited in the **GENERAL LAND OFFICE** of the United States, a Certificate of the REGISTER OF THE LAND OFFICE at *Montgomery* whereby it appears that full payment has been made by the said

James Abercrombie according to the provisions of the

Act of Congress of the 24th of April, 1820, entitled "An act making further provision for the sale of the Public Lands," for the South East quarter of the North East quarter of Section twelve, in Township Seventeen of Range twenty-nine, East, in the District of lands Subject to Sale at Montgomery Alabama containing forty acres and twelve and a half hundredths of an Acre

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An aerial photograph of a vast forest landscape, with a small town or village visible in the distance. The image is overlaid with a semi-transparent grid pattern. In the foreground, several pine tree branches with needles are visible on the right side. The text "Data Management" is centered in the middle of the image.

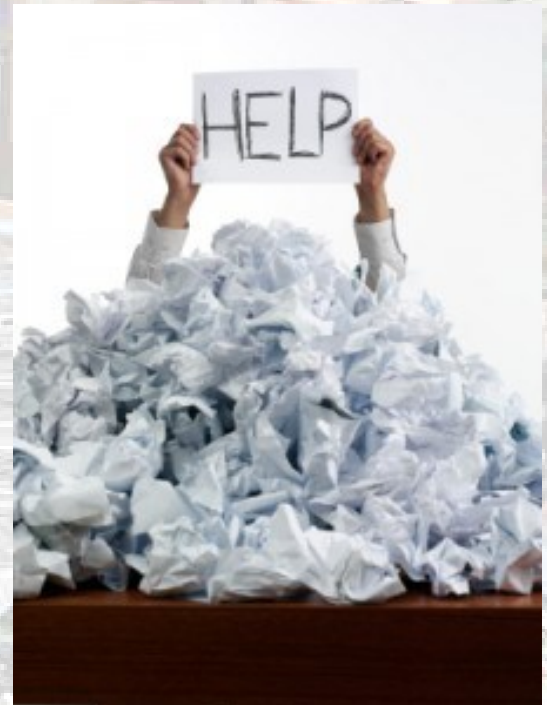
Data Management

Data Management and Record Keeping

- Can be very overwhelming!
- Definitely time consuming
- Spending time early in the process can help you in the long run (entropy!)
- Planning for the future

Data Management and Record Keeping

- Determining information needs
 - Questions to answer
 - File types
 - Conversions
- Organization
 - Paper and digital storage
 - Linking data
 - Backup data
 - Security
 - Planning for the future



A photograph of a library or study area. The room is filled with bookshelves packed with books. In the foreground, a large, messy pile of papers, documents, and books is scattered on the floor. A floor lamp is visible on the right side of the image. The overall scene suggests a place of intense research or information gathering.

Determining Information Needs

Initial Questions?

- What question(s) are you trying to answer?
 - What are your objectives? Management plan?
- What records or data do you currently have?
 - Forest inventory
 - Operations (harvests, site prep, plantings, treatments like herbicide, prescribed fire, etc.
 - periodic or annual?
 - Equipment
 - Costs and revenues(taxes)
 - Maps
 - Current, historical, gaps
- Which records are currently pertinent to your questions?
- What are the forms of the current data (paper, digital, combination) and where are they stored?

Initial Questions Continued?

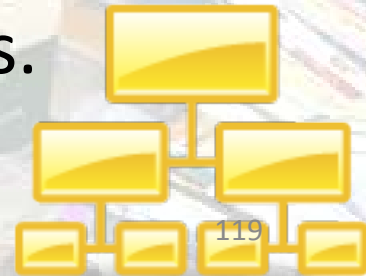
- Who created the data, when, and how was it created?
 - Metadata or data about data
- Do you need to collect more information?
- How are you storing this information or archiving it into the future?
 - Paper, digital, combination
- How do you answer your questions?
 - Calculations, maps , etc.

Initial Questions Continued?

- How can you share the data or results?
- What about security?
- How will you update over time? How often?
- Can this be transferred to others?

Build a Diagram or Flowchart

- Take the initial questions and start to build a flowchart of the process.
- This helps to organize your thoughts and create a plan.
- It can always be updated or changed.
- Review the chart with the decision makers.

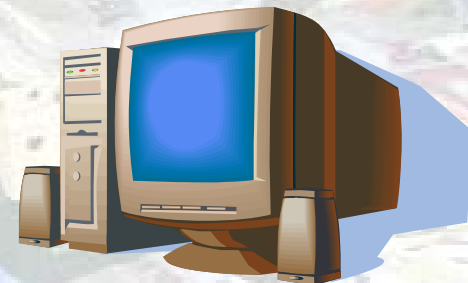


A photograph of a cluttered library or office. The room is filled with bookshelves packed with books. The floor is covered in a large, messy pile of papers, folders, and other documents. A desk lamp is visible on the right side. The overall scene suggests a state of disorganization and information overload.

Organization

Understanding File Structures

- What information do you keep?
 - Depends on the questions and objectives
 - Now and into the future
- How do you store all of this information?
 - Shoeboxes, good filing cabinet(s)
 - Digital storage
- Storing and filing can be two very different things!



Recalling or Finding Information

- Storing and filing data are really just the first steps.
- You got to be able to find and utilize the information for it to really be useful.
 - Careful filing and labeling is essential!
- If all else fails, search and/or view file properties.

Should I be Concerned about Security?

- Record keeping can include very detailed and sensitive information.
- Organization can play a key role in maintaining the appropriate security.
 - Passwords
 - Permissions
 - Versions like “read only”



Planning for the Future

- Moving or sharing data
- Converting data to digital form
- Updating or adding data
- Expanding the database to answer more or different questions
- Archiving
- Audits



Conversion to Digital Form

- Hand-drawn maps
 - Scanned
 - Georeferenced
 - Digitized
- Tabular data entered into a spreadsheet
- GPS data collection
- Building metadata

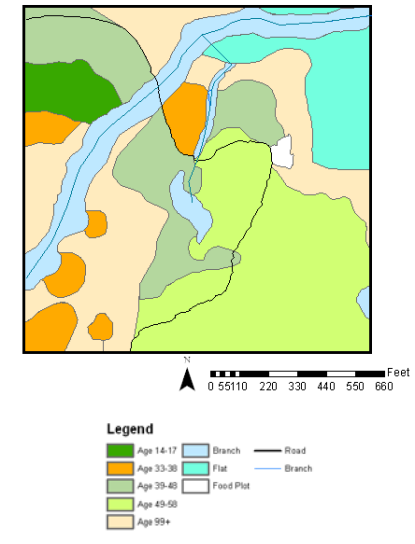
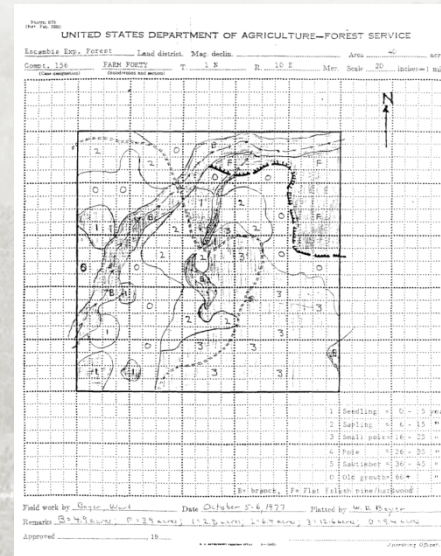
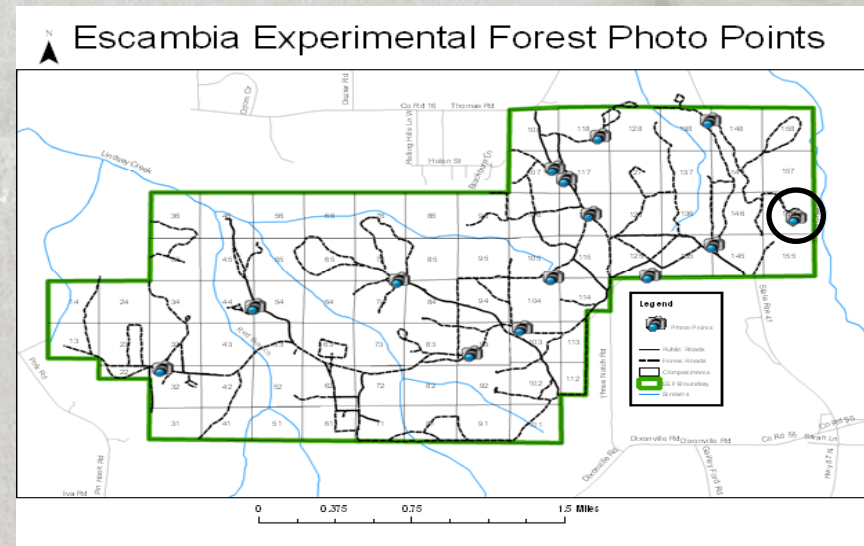


Photo Points

- Variety of years
- See how the property has changed over time
- See responses to treatments like thinnings, prescribed fire, herbicide, precommercial thinning, etc.

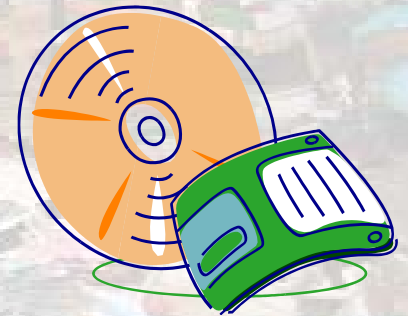
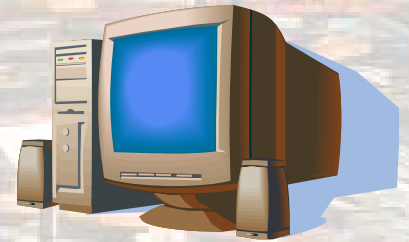


Farm 40



Backup Your Data!!

- Store data in more than one location!
- Be aware: papers can be lost, computers crash, CDs and DVDs scratch, jump or flash drives die, and online data storage can be hacked
- Backup your information periodically, using different sources, and date the backups



Question and Answer Session

- Creating maps with aerial photography, soils information, and topographic backgrounds
- Storing points, lines, polygons, and descriptive information for areas of interest
- Creating visual simulations
- Alabama Assessor and Property Tax Directory
- US Dept of the Interior BLM Land Record Searches
- Finding data online
- Data management and record keeping
- Short courses and future information



Short Course Design

- 1 day, hands-on short course to introduce attendees of online mapping and spatial resources using the booklet “Online Mapping and Spatial Resources for the Private Forest Landowner”
- Each topic will begin with introductory information and include instructor led examples and hands-on exercises.
- All examples and exercises will focus on real-world forestry and other natural resource applications.

Future Booklets and Courses

- Advanced Spatial Resources for Private Landowners and Conservation Professionals
 - Utilize resources and tools available online and often free with examples that can be utilized to create data layers, digitizing, file conversion, overlay analyses, and detailed reporting
 - Integrating GPS and GIS for Private Forest Landowners
- *Booklets and courses are dependent on funding, support, and interest.

For More Information

- Contact the Longleaf Pine Stand Dynamics Lab
 - <http://www.lpsdl.auburn.edu/>
 - Mr. John Gilbert gilbejo@auburn.edu 334-329-0236
 - Dr. John Kush kushjoh@auburn.edu 334-844-1065
 - Dr. Rebecca Barlow at rjb0003@auburn.edu (334)844-1019