



NORTHWEST
CERTIFIED
FORESTRYTM

Kirk Hanson
kirk@nnrg.org
(360) 316-9317



First Steps for New Forest Owners

1. Educational Resources

2. Professional foresters
3. Aerial photos
4. Resource maps
5. Mapping your land
6. Forest inventory
7. Forest management plan

extensionweb.forestry.oregonstate.edu

OSU Oregon State University

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Search all of OSU

College of Forestry

Forestry & Natural Resources Extension Program

Programs Our People County Extension Centers OSU Extension Contact Us



The Northwest Fire Science Consortium in partnership with FNR Extension - Clackamas County hosts a field tour of the 36 Pit Fire that burned over 5,000 acres near Estacada.

Welcome to the Forestry & Natural Resources Extension Program at Oregon State University! Our Extension Agents work everyday to learn about the latest techniques in natural resource management, and then, through educational programs and materials, transfer this knowledge to our client groups, such as forest owners, foresters, other natural resource managers, Christmas tree growers, loggers and forest workers, etc. On this website you will find information about some of our marquee programs, such as Master Woodland Manager, Resource Management Planning, Timberland Management, Forest Stewardship, Forest Health, Forest Management, Forest Planning, Forest Landscapes, Tree School, and more. Check out our calendar of upcoming events, and our mission statement.

Information For...

- Forest Owners
- Teachers & Learners
- Christmas Tree Growers
- Forest Products Industry
- Homeowners & Communities
- Employees

forestry.wsu.edu

Washington State University

Extension Forestry

Extension Forestry

Welcome

The WSU Forestry and Wildlife Extension program provides education and information about forest management to private forest landowners as well as the general public. We offer classes, workshops, and field days as well as [publications, videos, and online resources](#) to help you achieve your goals as a forest owner. We invite you to browse the vast resources on this site. If you have questions or need additional information, please don't hesitate to [contact us](#).

Local Extension Forestry Programs

- [North Central Washington](#) (serving Chelan, Douglas, Kittitas, Okanogan, and Yakima Counties)
- [Northeast and Southeast Washington](#) (serving Spokane, Ferry, Stevens, Pend Oreille, Columbia, Garfield, and Asotin Counties)
- [North Puget Sound](#) (serving King, Snohomish, Skagit, Island, San Juan, and Whatcom Counties)

Forest Stewardship University

[Forest Stewardship University](#) offers a complete online education experience, featuring over 20 online mini-courses on a wide range of topics specific to Washington forests.

Announcements and Events

2016 Forest Stewardship Coached Planning

- [Yashon](#) - Wednesdays starting March 2nd
- [Everett](#) - Tuesdays starting March 29th
- [Deming](#) - Thursdays starting September 15th
- [Preston](#) - Tuesdays starting September 27th

2016 Forest and Range Owners Field Day

- [Colville](#) - Saturday, June 25 ([Forest Range Brochure/Registration](#); Schedule coming soon!)
- [Sequim](#) - Saturday, August 20 (Brochure/Registration; Schedule coming soon!)

Information About...

Estate and Succession Planning

Reducing Fire Hazard

Forest Certification

**Oregon Forests and Climate
Change**

Forest Health

Forest Management Planning

Forest Protection Laws

Identifying Trees

Logging and Selling Timber

Non-timber Forest Products

Planting Trees

Thinning Your Forest

Urban and Yard Trees

Weeds and Invasive Plants

Wildlife Habitat

Online Learning Resources

Alternative Forest Management

How to Manage Your Forest

**Oregon Forest Management
Planning**

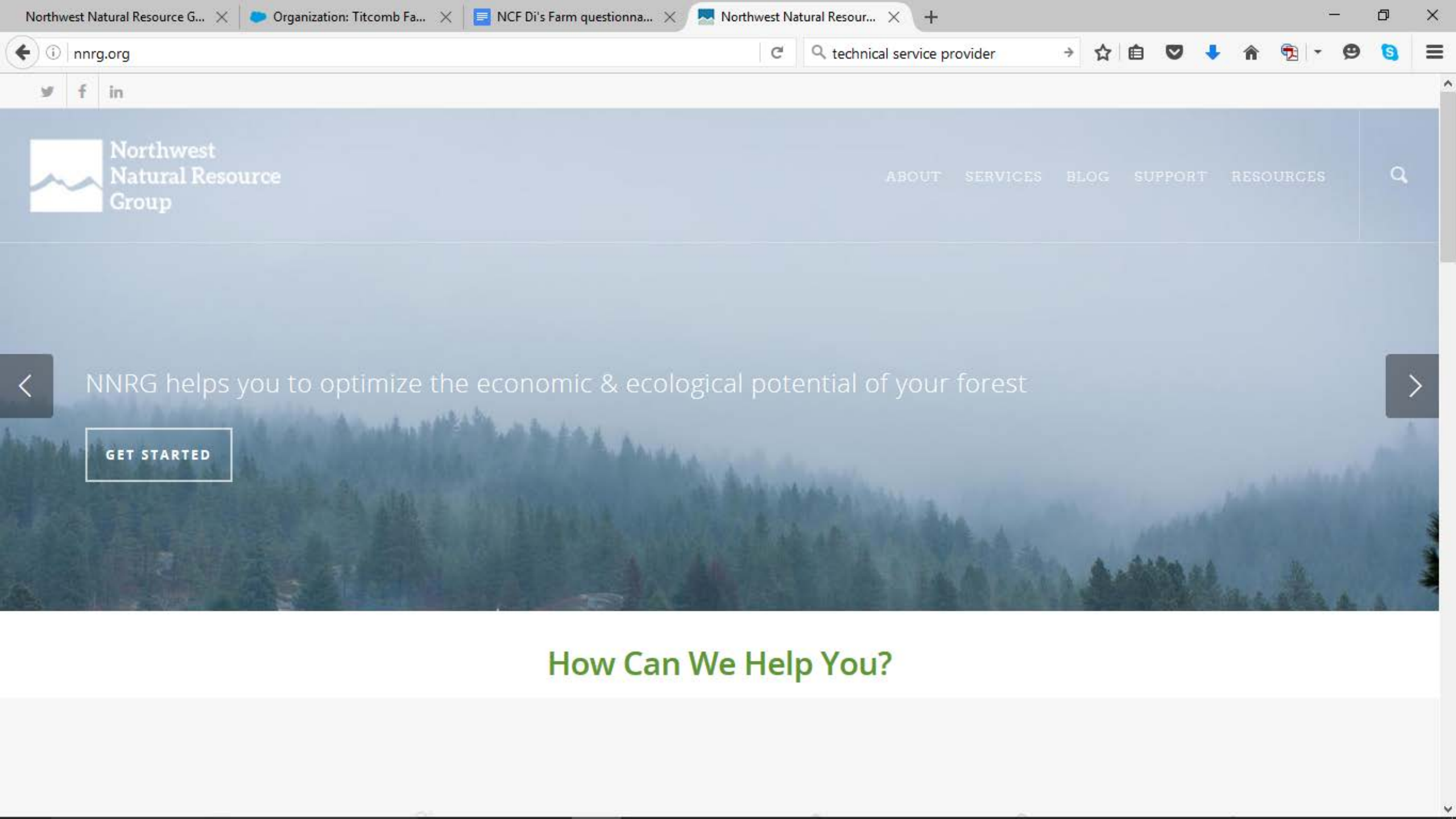
Forest Income Opportunities

**Wood-Based Composite Science
Short Course Series**

Master Naturalist

Online Publications





- ABOUT
- SERVICES
- BLOG
- SUPPORT
- RESOURCES



NNRG helps you to optimize the economic & ecological potential of your forest



GET STARTED

How Can We Help You?

Digital Collections

Browse

Special Collections

Exhibits & Guides

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Search

Advanced Search

Favorites

Help

Welcome!

This site features materials such as photographs, maps, newspapers, posters, reports and other media from the University of Washington Libraries, University of Washington Faculty and Departments, and organizations that have participated in partner projects with the UW Libraries. The collections emphasize rare and unique materials.

All Collections

[Alaska, Western Canada and United States](#)

Images documenting Alaska and Western Canada, primarily the provinces of Yukon Territory and British Columbia depicting scenes of the Gold Rush of 1898, city street scenes, Eskimo and Native Americans of the region, hunting and fishing, and transportation.



[Alaska Yukon Pacific Exposition Photographs](#)

Photographs of the 1909 fair held on the grounds of the University of Washington, depicting buildings, grounds, entertainment and exotic attractions.

What's New

1 2 3 4 5



Collections by Subject

[Alaska and the Yukon](#)



WASHINGTON STATE DEPARTMENT OF
Natural Resources

PETER GOLDMARK
COMMISSIONER OF PUBLIC LANDS

- PROGRAMS AND SERVICES
- ABOUT
- MANAGED LANDS
- EMPLOYMENT

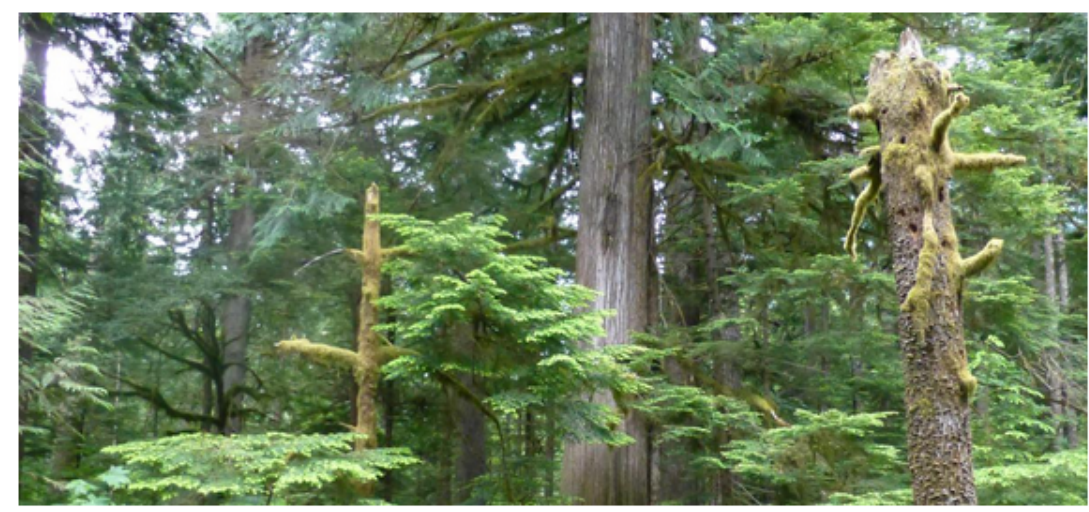


Home | **Forest Practices**

Small Forest Landowners

- Alternate Plans
- Fish Passage
- Riparian Easements
- Rivers and Habitat
- Stewardship
- Habitat Conservation Plan
- Cultural Resources
- Adaptive Management
- GIS Forest Practices Data
- Review Applications (FPARS)
- Compliance Monitoring

Small Forest Landowner Office



Small forest landowners own 3.2 million acres of Washington forests – about half the private forestland in the state. The Small Forest Landowner Office supports those landowners by

CONTACT

Tami Miketa
SFLO Manager
MS BOX 47012
Olympia, WA 98504-7012
[360-902-1415](tel:360-902-1415)
Fax 360-902-1428
sflo@dnr.wa.gov

[Small Forest Landowner Assistance Request](#)

RELATED LINKS

- [Calendar of Events](#)
- [Consulting Forester Directory](#)
- [Small Forest Landowner Advisory Committee](#)
- [Basic Forestry Inventory Techniques for Family](#)

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WSU Extension
Publications
I Want To Give

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North Puget Sound Region
Forest Stewardship
University
Resources
Faculty and Staff

Washington State University Extension Forestry

Extension Forestry » Forestry Consulting Directory

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Forestry Consulting Directory

The Washington State Consulting Forester and Silvicultural Contractor Directory is a compilation of forestry professionals around Washington State who provide the professional services to private forest landowners. The directory includes specific information for each of the professionals, including contact information, services provided, bonding and insurance information, experience, and counties served. Inclusion in the directory is voluntary. All information is provided by the forestry professionals themselves.

[Continue to Consulting Directory >](#)

Disclaimer:

The firms or individuals listed herein are engaged in forestland related work in Washington State. Consultants and contractors working for a private landowner do not represent or speak for Washington State University. Washington State University is not responsible for nor guarantees the quality, accuracy, or cost of the services provided by any of the consultants listed below. Information presented in this directory was provided by the individual service providers and is published on as "as-is" basis. Washington State University did not verify the validity of the information provided. Information is current as of **12/31/2015**.

About Consulting Foresters

A consulting forester provides professional forest management services to landowners. These services may include management plan writing, timber sale administration, permitting, timber marketing, inventory and appraisal, property mapping, management advice, coordination of contractor services, and other tasks.

[Learn More](#)

Search USDA

Go

TechReg Resources

- ▶ TSP Registration
Step-by-Step Guide
- ▶ Categories & Criteria
Options
- ▶ Conservation Activity Plan
Options
- ▶ State TSP Coordinators

TSP Program Website

- ▶ Field Office Technical
Guide (FOTG)

Training Resources

- ▶ Register for AgLearn
- ▶ Access the AgLearn Web
Site
- ▶ Training Opportunities
Web Page

Feedback

- ▶ Comment to TechReg
Team

Locate Technical Service Providers

Instructions: Please select from the list below.

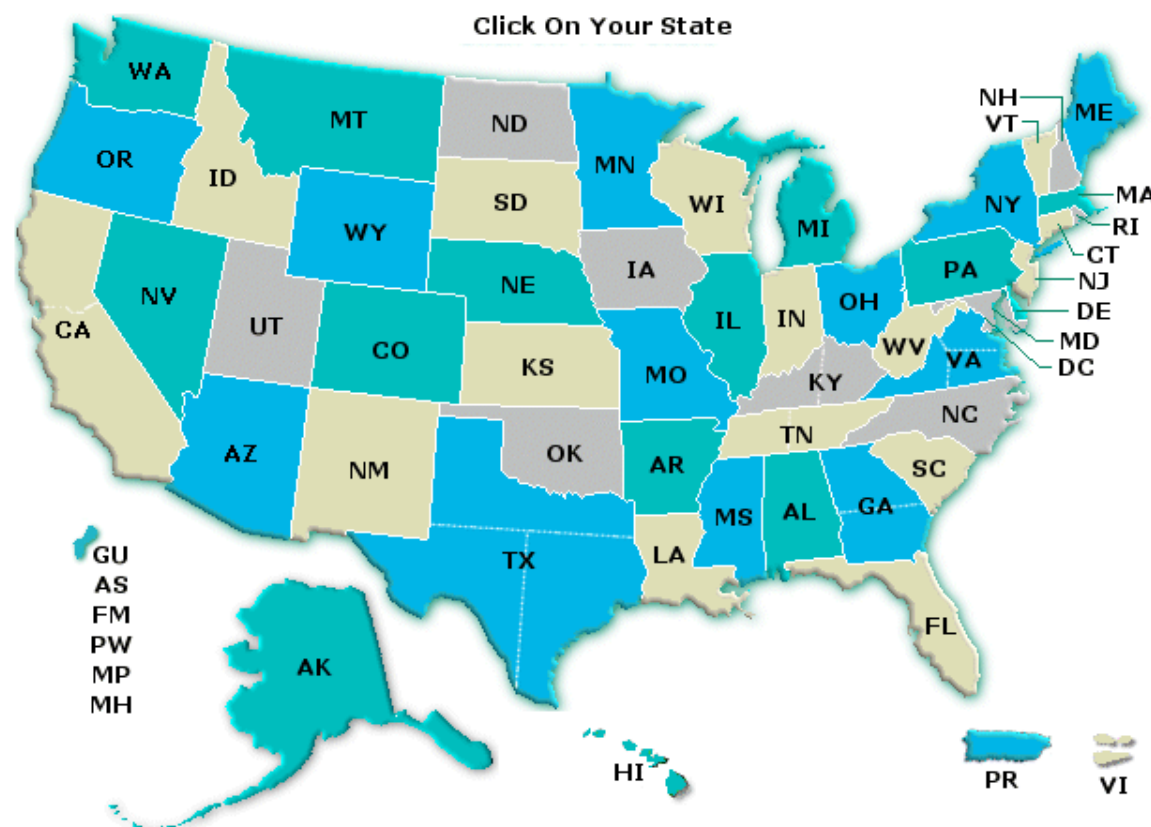
TSP Groups:

Or...

Please click on the map below.

State Technical Service Provider Map

Click On Your State





SINCE 1948

[ABOUT US](#) [FIND A FORESTER](#) [MEMBERSHIP](#) [INSURANCE PROGRAM](#) [CALENDAR](#) [EVENTS](#)

[Sign In](#)

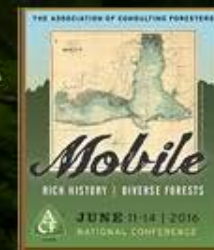
[Help](#)



WE Join YOU

Whether you're a landowner looking for a consultant,
or a consultant looking for a community, you've come
to the right place.

Registration for the Annual Conference
held June 11-14, 2016 in Mobile, AL is
now open!



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Find a Certified Forester

SEARCH

Only those individuals who voluntarily apply for and meet **Society of American Foresters' Certified Forester® Program** requirements and Standards of Professional Practice are located by this search. The term Certified Forester® is a registered certification mark as authorized by the US Patent and Trademark Office.

Use one or all of the fields below to search for Certified Foresters by name or location.

Last Name:

City:



College of Forestry

Forestry Extension

OWIC

Wood Science & Eng.

Oregon Forest Industry Directory



Home

Companies

Companies That Sell

Companies That Buy

Services

Logs for Sale

Classified Ads

Welcome to the new and improved **Oregon Forest Industry Directory**! The directory was first launched in 2004 and after 10 years was in need of updating and upgrading. We spent the first ½ of 2014 updating the directory listings, improving the searchability, and adding new features like the location of listings on a map. [Let us know what you think.](#) And you can see what other users of the directory are saying on our [comments page](#).

The Oregon Forest Industry Directory facilitates the establishment of *business connections* between the broad array of interests in Oregon's forestry sector. The Directory serves a number of purposes including:

- Helping *woodland owners* find contact information for log buyers, non-timber forest product buyers, and forestry consultants & contractors;
- Assisting the primary manufacturing industry (*sawmills, plywood mills, log home builders, and chipping contractors*) to find sources of logs and buyers for their products;
- Helping secondary/value-added firms (*moulding, millwork, furniture and cabinet makers*) find sources of lumber, panel products, and other raw materials;
- Enabling *entrepreneurs and architects* to find the suppliers and partners they need to commercialize a product/project;
- Providing the *general public* with information on local producers of custom cabinets, rustic furniture, boughs for wreaths, and much more.

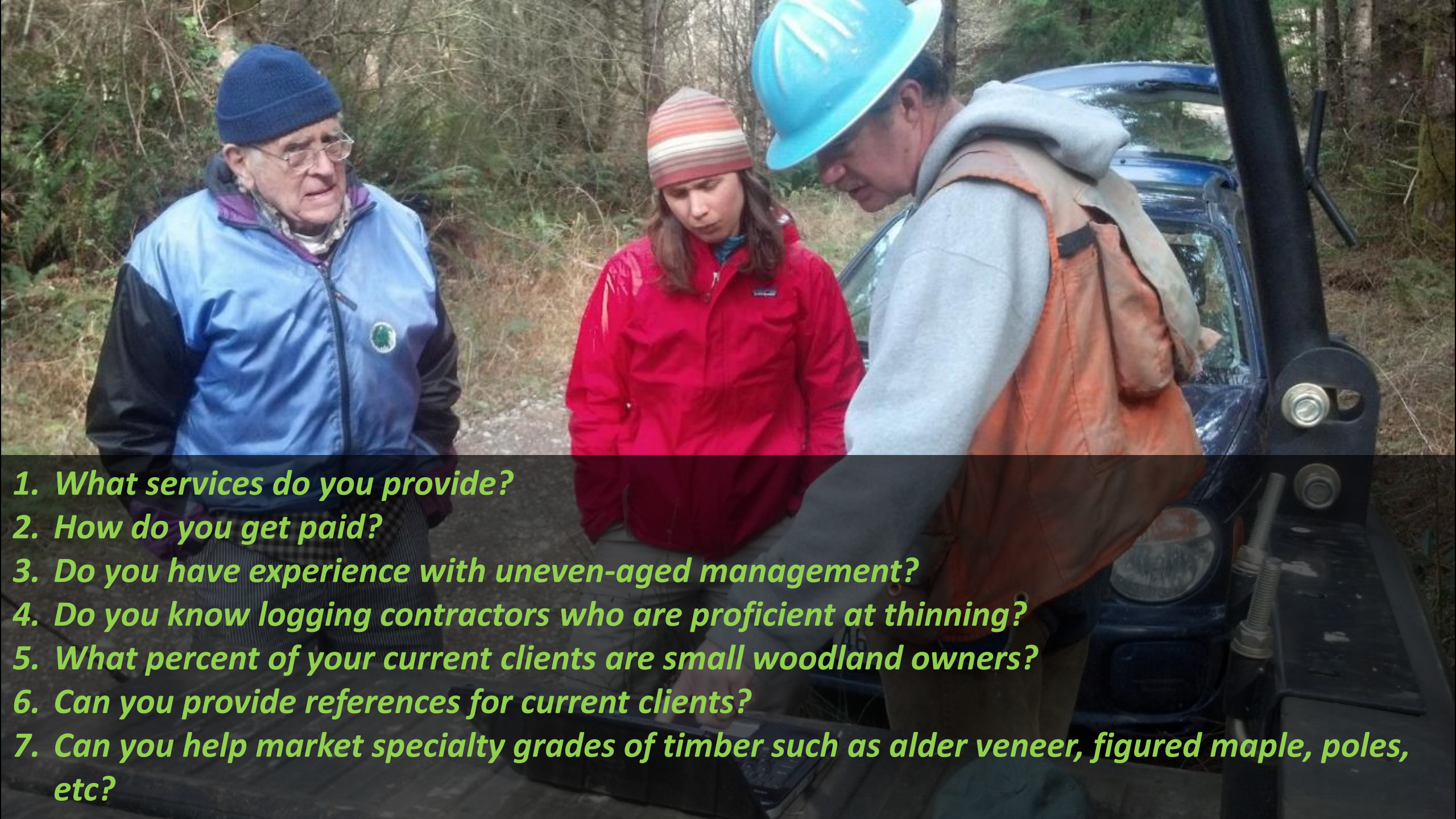
In the end, fostering better 'connections' will lead to a more vibrant Oregon forestry sector.

Corrections, omissions or comments relative to this directory should be addressed to the [administrator](#).

The *Oregon Forest Industry Directory* is developed and maintained by the [Oregon Wood Innovation Center](#) at Oregon State University.

Disclaimer - Inclusion of firms here does not constitute endorsement of the firm. Information is reported as received from the companies and individuals listed here.



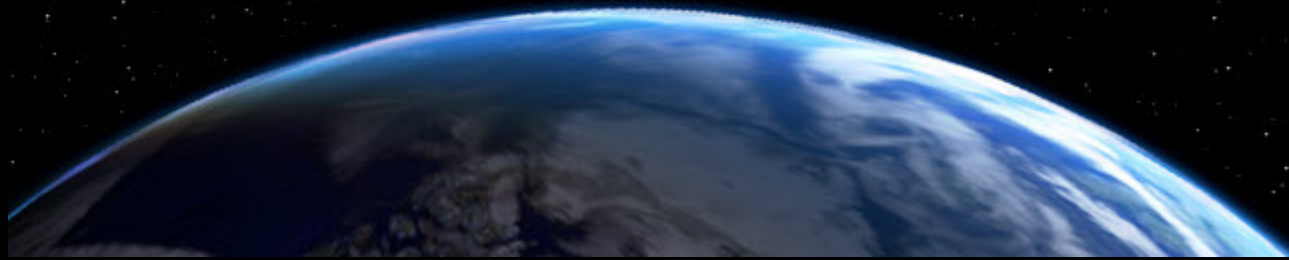


- 1. What services do you provide?*
- 2. How do you get paid?*
- 3. Do you have experience with uneven-aged management?*
- 4. Do you know logging contractors who are proficient at thinning?*
- 5. What percent of your current clients are small woodland owners?*
- 6. Can you provide references for current clients?*
- 7. Can you help market specialty grades of timber such as alder veneer, figured maple, poles, etc?*

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Google™ earth



▼ Search

600 Harp Road, Oakville, WA Search

ex: pizza near NYC

Get Directions History

600 Harp Rd

Icons for map actions: pan, zoom, etc.

▼ Places

- [-] FWS Wetlands & Riparian De
- [-] SoilWeb
Streaming, seamless
interface to USDA-NCSS
- [-] USGS Topographic Maps
- [-] New FMP Maps
- [-] Old FMP Maps
- [-] o46123a7

Search bar and navigation arrows

▼ Layers Earth Gallery >>

- [x] Primary Database
- [x] Voyager
- [x] Borders and Labels
- [x] Places
- [x] Photos
- [x] Roads
- [x] 3D Buildings
- [x] Ocean
- [x] Weather
- [x] Gallery

Map toolbar with icons for various map features and tools.



Sign in

Navigation controls including a compass, a hand icon for panning, a person icon for street view, and a vertical zoom slider.

819 ft

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Google earth

▼ Search

600 Harp Road, Oakville, WA Search

ex: pizza near NYC

Get Directions History

600 Harp Rd



▼ Places

+ ☐ FWS Wetlands & Riparian De

+ ☐ SoilWeb

Streaming, seamless interface to USDA-NCSS

+ ☐ USGS Topographic Maps

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+ ☐ o46123a7



▼ Layers

Earth Gallery >>

☒ Primary Database

+ ☐ Voyager

+ ☒ Borders and Labels

+ ☒ Places

+ ☐ Photos

+ ☒ Roads

+ ☐ 3D Buildings

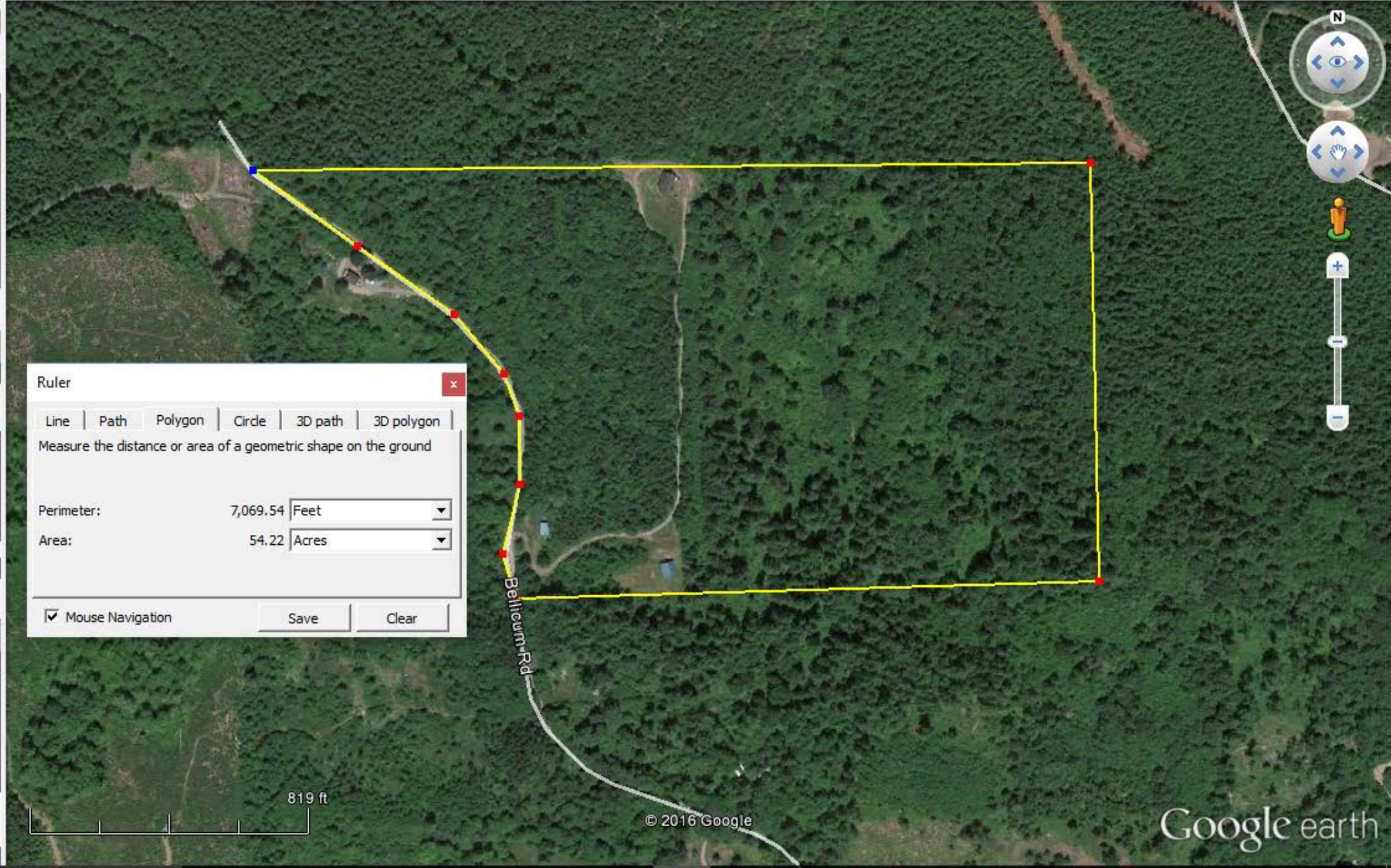
+ ☐ Ocean

+ ☐ Weather

+ ☐ Gallery



Sign in



Ruler

Line | Path | Polygon | Circle | 3D path | 3D polygon

Measure the distance or area of a geometric shape on the ground

Perimeter: 7,069.54 Feet

Area: 54.22 Acres

☒ Mouse Navigation

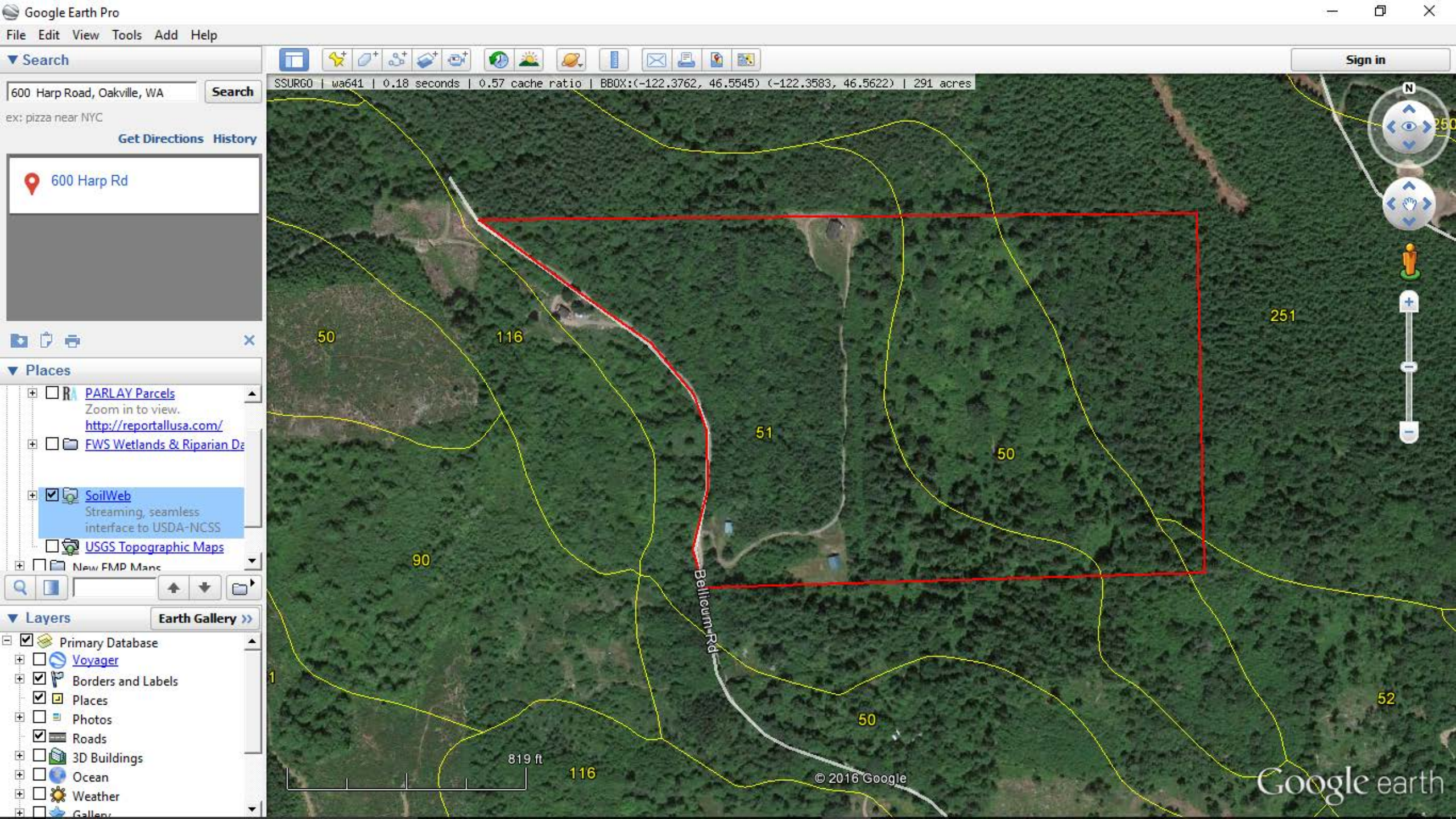
Save Clear



819 ft

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Google earth



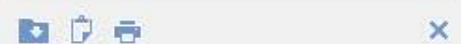
▼ Search

600 Harp Road, Oakville, WA Search

ex: pizza near NYC

Get Directions History

600 Harp Rd



▼ Places

- ☒ Map Unit Polygons
- ☒ Point Data
 - OSD Type Locations and NCSS-KSSL
- ☒ Status Display
- ☒ USGS Topographic Maps
- ☐ New FMP Maps
- ☒ Old FMP Maps
- ☐ o46123a7
- ☐ Alaska

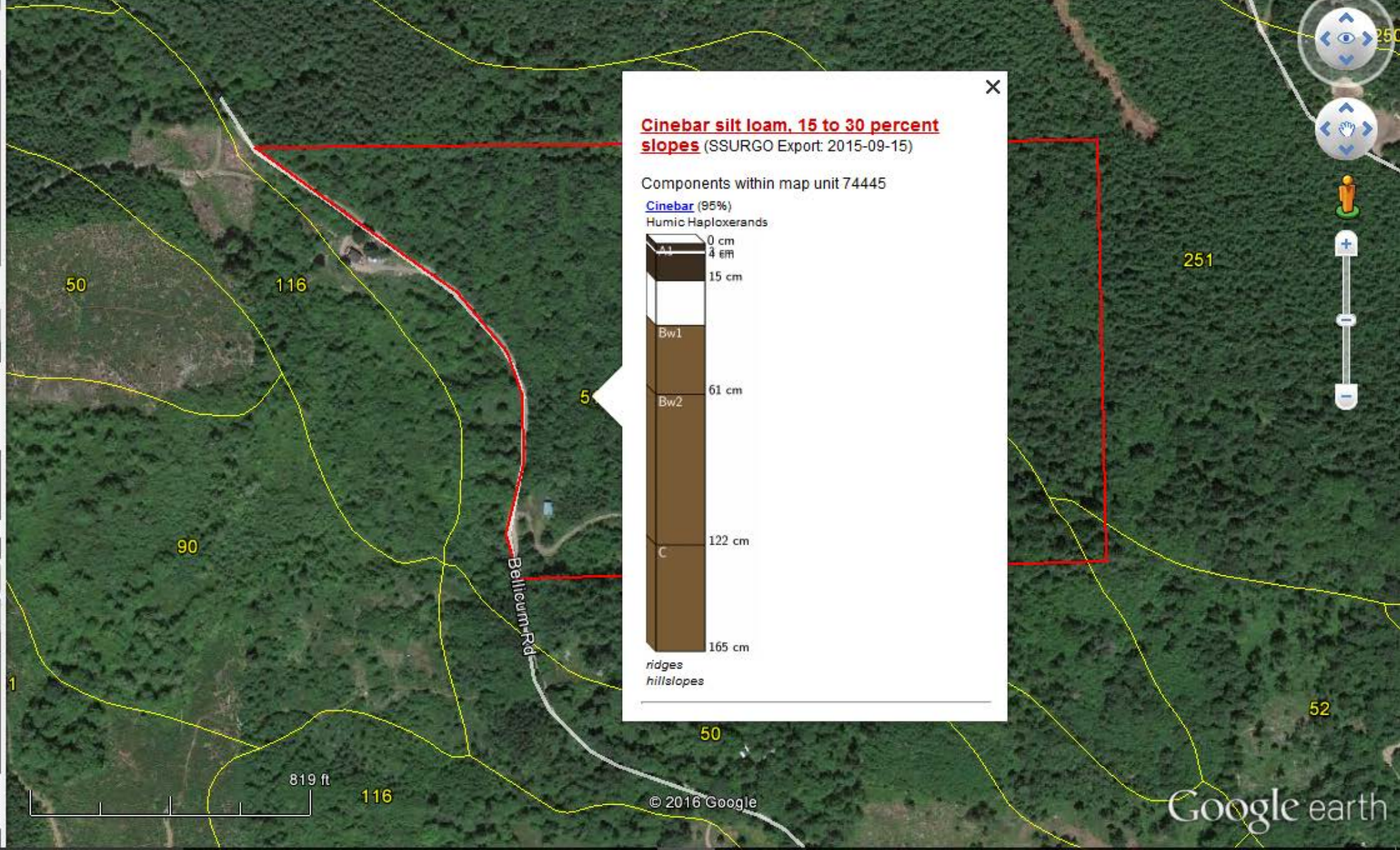


▼ Layers Earth Gallery >>

- ☒ Primary Database
- ☐ Voyager
- ☒ Borders and Labels
- ☒ Places
- ☐ Photos
- ☒ Roads
- ☐ 3D Buildings
- ☐ Ocean
- ☐ Weather
- ☐ Gallery



SSURGO | wa641 | 0.18 seconds | 0.57 cache ratio | BBOX:(-122.3762, 46.5545) (-122.3583, 46.5622) | 291 acres



Cinebar silt loam, 15 to 30 percent slopes (SSURGO Export: 2015-09-15)

Components within map unit 74445

Cinebar (95%)
Humic Haploxerands

0 cm	4 cm
15 cm	
Bw1	
61 cm	
Bw2	
122 cm	
C	
165 cm	

ridges
hillslopes

Sign in



▼ Search

600 Harp Road, Oakville, WA Search

ex: pizza near NYC

Get Directions History

600 Harp Rd

▼ Places

- ☐ GPC - Cowling Creek
- ☐ Hanson
- ☐ Heernett
- ☒ Heller
- ☐ Heller CAP - 70 acres
- ☐ o46122e4
- ☒ o46122e3
- ☐ Hydrology
- ☐ Plots
- ☐ FMI Ic

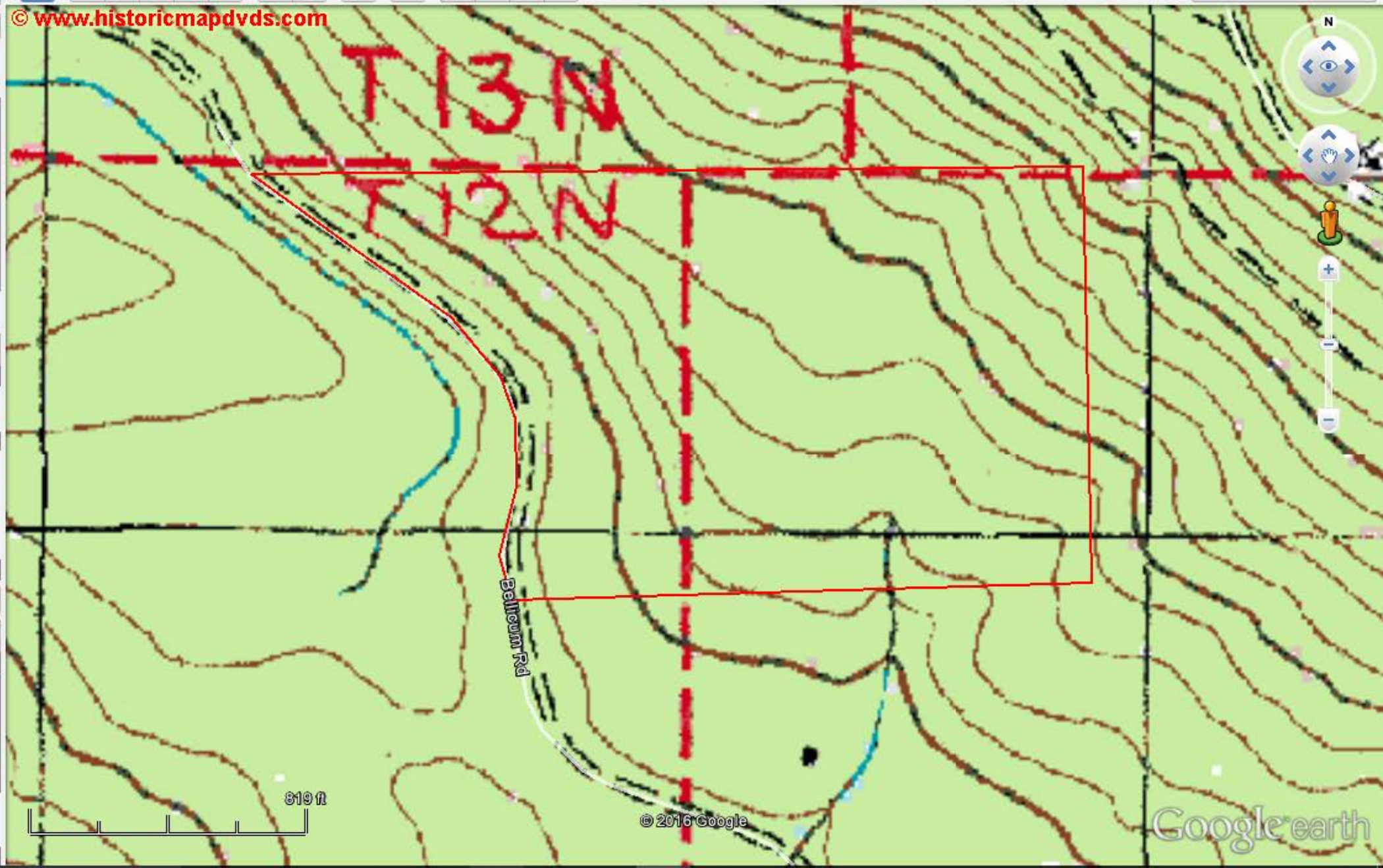
▼ Layers

Earth Gallery >>

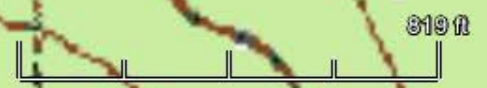
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LEWIS COUNTY

— est. 1845 —

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WEB BASED RESOURCES

Resources

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ADDRESS

Assessor Services

[Parcel Maps](#)[Tax Summary Archive](#)

Assessor Pages

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Exemption](#)[Segregation Mapping](#)[Property Tax Levy Information](#) ▼

LEWIS COUNTY ASSESSOR

[Parcels](#)[Tax Summary Archive](#)

The mission of the Lewis County Assessor's Office is to appraise all property equally and fairly, maintaining accurate assessment information for taxation purposes, while being courteous and professional to Lewis County taxpayers. [more »](#)

News & Notices

[More →](#)

Mar 7 [Destroyed Property Forms Available Through Assessor's Office](#)

Feb 9 [Revaluation Notices Reveal New Property Values for 2016 Tax Year](#)

Jan 9 [East Lewis County Hospital and Fire Districts meet to avoid prorationing](#)

Dec 9 [Property Damaged by flood or other circumstances](#)

Meet Dianne Dorey



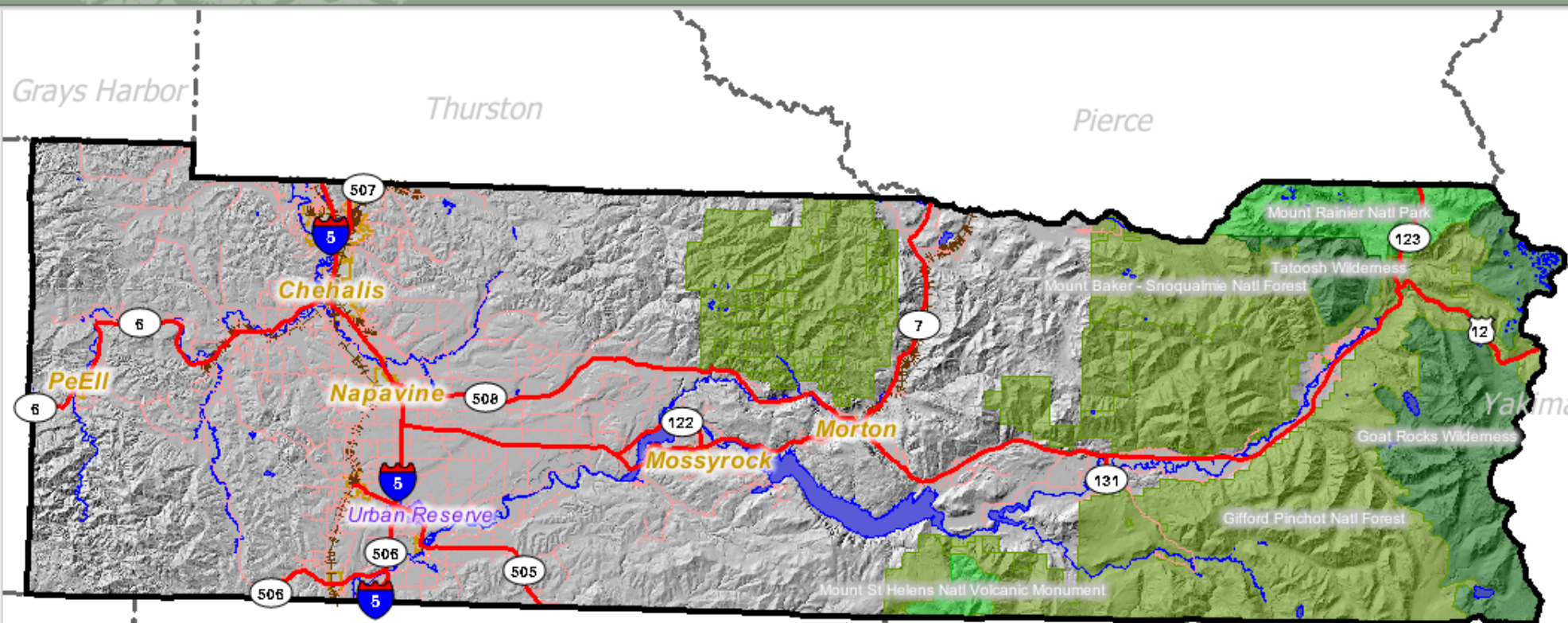
"As your County Assessor, my goals are to educate the public in property taxation, participate in statewide legislation to improve the taxation system, install

technology to improve our service to the public and give quality customer service on-line as well

LEWIS COUNTY WEB MAP

Search Map by Parcel# →

SEARCH



(C) 2010 Lewis County GIS

LAYERS

- PARCELS
 - ☒ Tax Parcels
 - ☐ Labels
- BASE DATA
 - ☒ PLS, Sections
 - ☒ Roads & RRs
 - ☐ Streams
 - ☒ Water Bodies
 - ☒ Cities
 - ☒ Federal Lands
- CONTOURS
 - ☐ 2ft
 - ☐ 10ft & labels
 - ☐ Contour Sources
- CRITICAL AREAS
 - ☐ Wetlands
 - ☐ Hydric Soils
 - ☐ Flood Zones
 - ☐ ShorelineEnv
- ZONING
 - ☒ Urban Reserves
 - ☐ County Zoning
 - ☐ Zoning Labels
- BACKGROUND
 - ☐ 2013 Aerial PICT
 - ☐ 2009 Aerial NAIP
 - ☐ 2008 Aerial WADNR
 - ☐ 2006 Aerial NAIP
 - ☐ 2003 Aerial WADNR
 - ☐ 1996 Aerial WADNR
 - ☒ Gray Hillshade
 - ☐ USGS Topo

QuickZoom

Select Community or City: ▾

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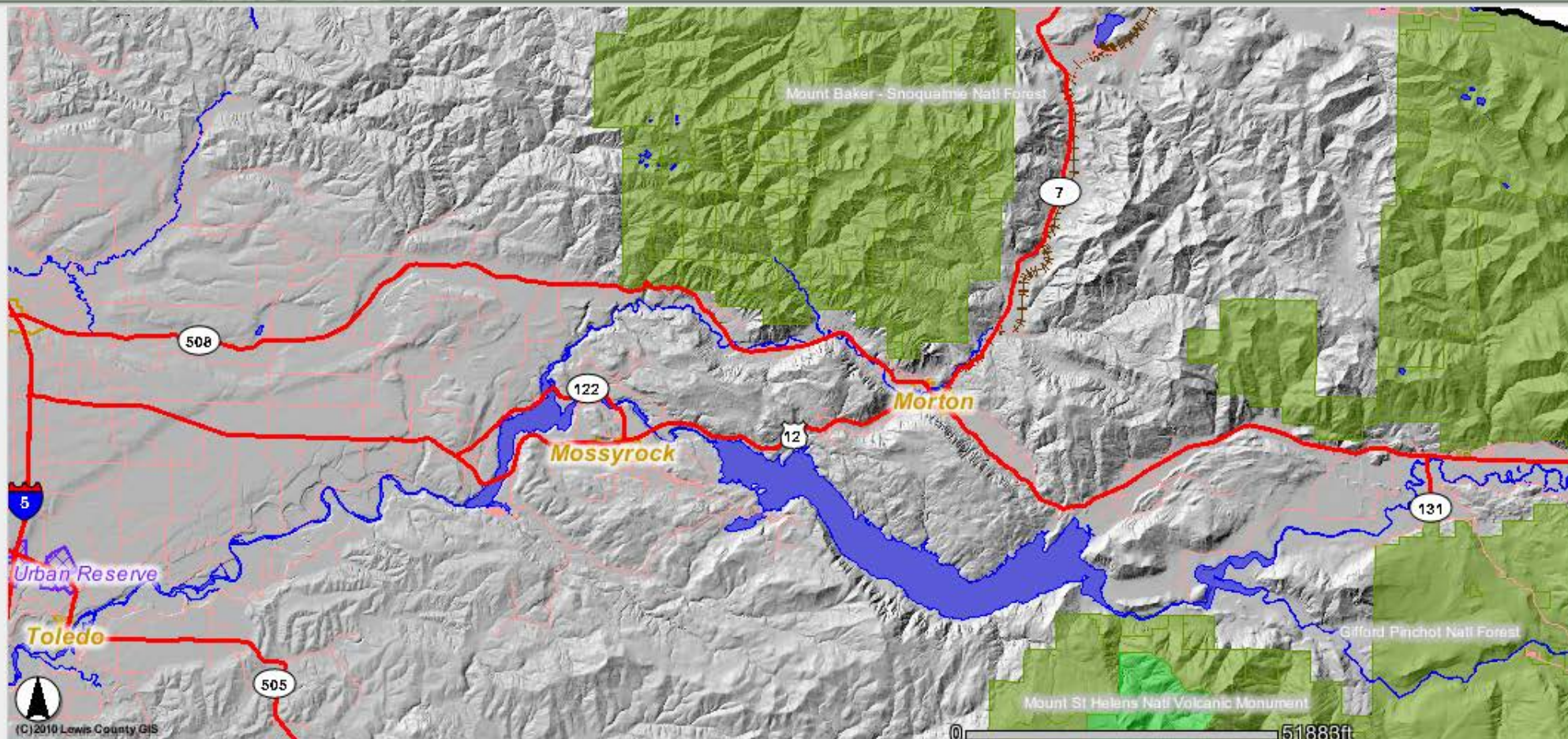
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Go

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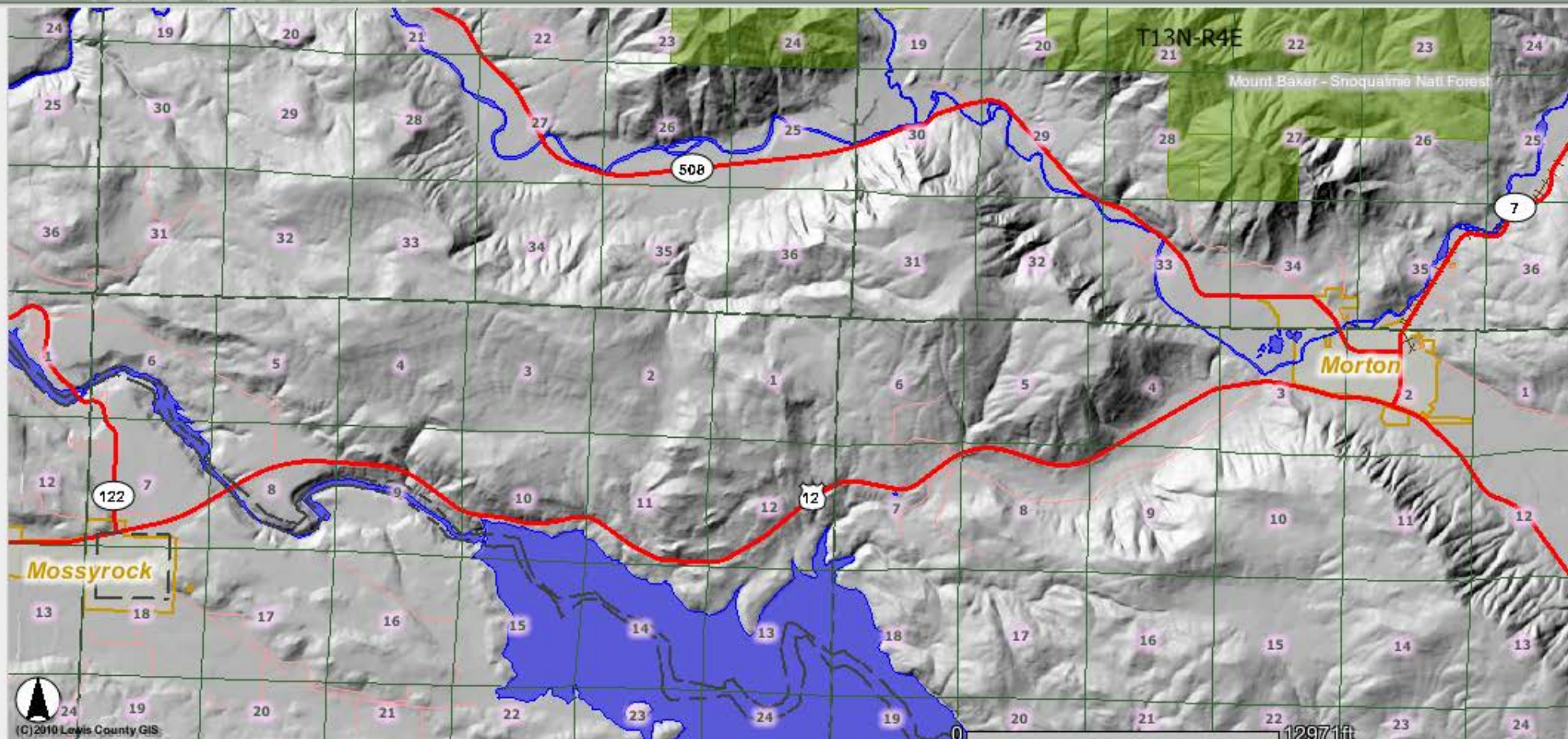
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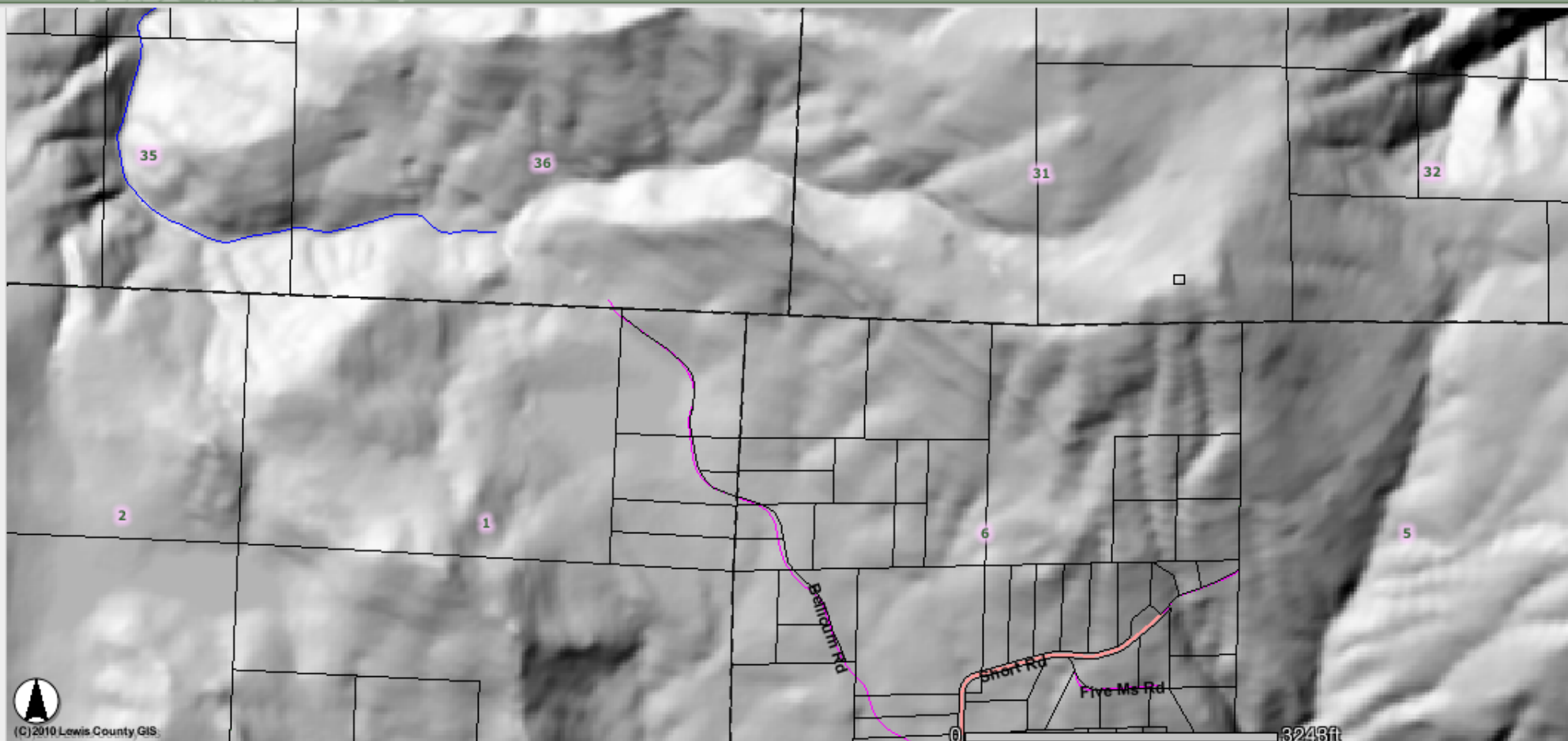
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LEWIS COUNTY WEB MAP

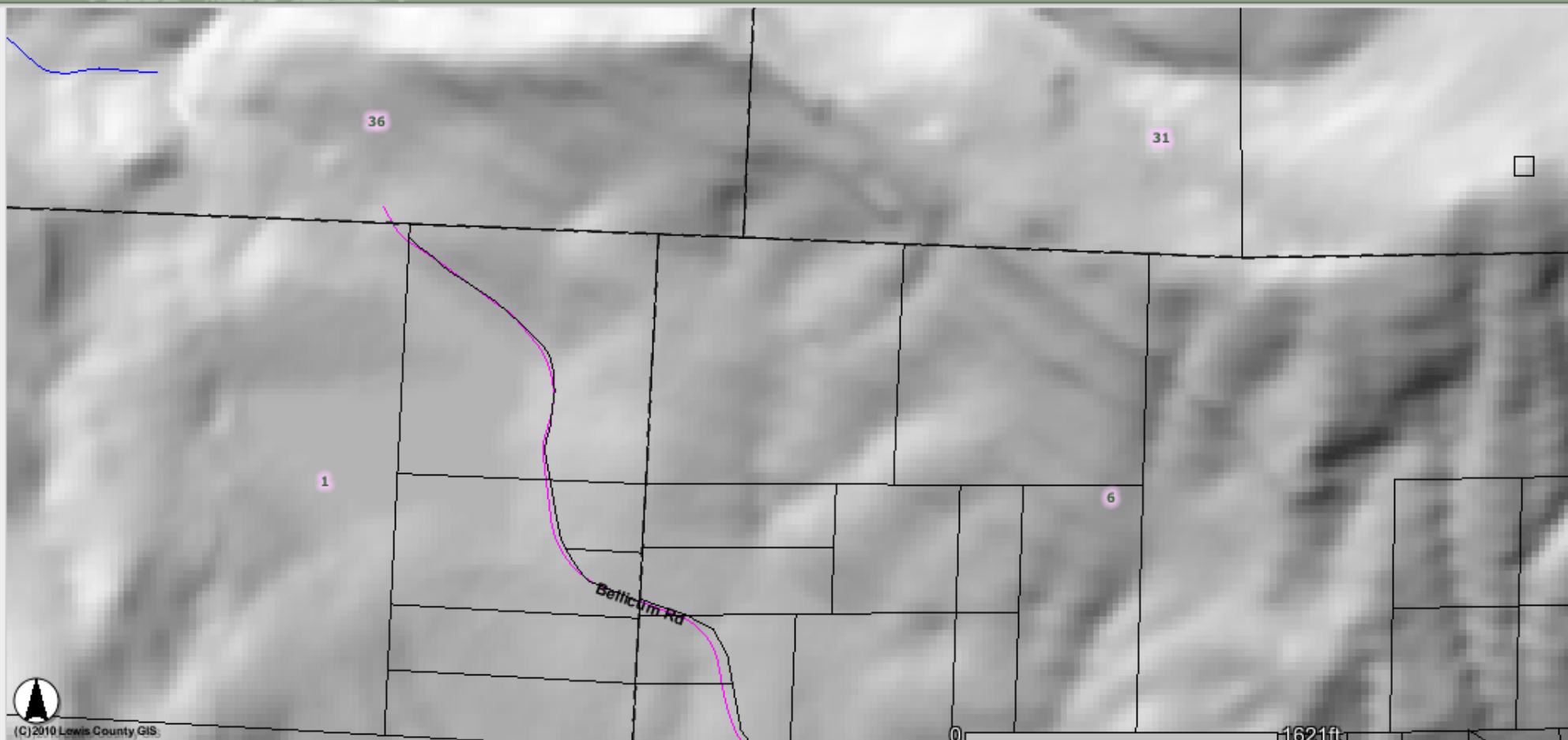
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 - ☐ Flood Zones
 - ☐ ShorelineEnv
- ZONING
 - ☒ Urban Reserves
 - ☐ County Zoning
 - ☐ Zoning Labels
- BACKGROUND
 - ☒ 2013 Aerial PICT
 - ☐ 2009 Aerial NAIP
 - ☐ 2008 Aerial WADNR
 - ☐ 2006 Aerial NAIP
 - ☐ 2003 Aerial WADNR
 - ☐ 1996 Aerial WADNR
 - ☐ Gray Hillshade
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QuickZoom

Select Community or City: ▾

Sec:

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Twp:

14

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2W

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600 Harp Road, Oakville, WA Search

ex: pizza near NYC

Get Directions History

600 Harp Rd



▼ Places

WFS Wetlands & Riparian D

SoilWeb

Streaming, seamless interface to USDA-NCSS

USGS Topographic Maps

New FMP Maps

Old FMP Maps

o46123a7



▼ Layers

Earth Gallery >>

Primary Database

Voyager

Borders and Labels

Places

Photos

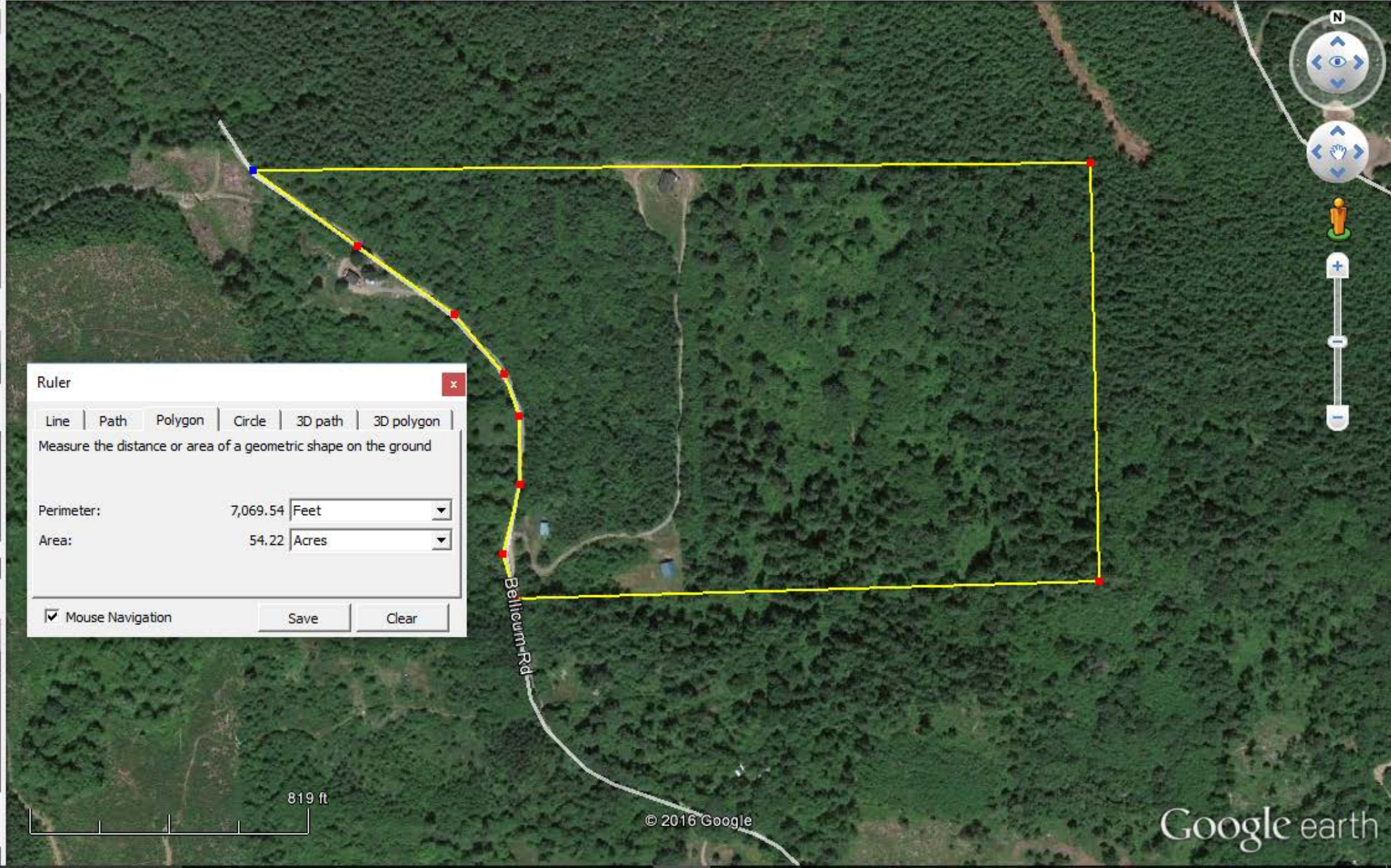
Roads

3D Buildings

Ocean

Weather

Gallery



Ruler

Line | Path | Polygon | Circle | 3D path | 3D polygon |

Measure the distance or area of a geometric shape on the ground

Perimeter: 7,069.54 Feet

Area: 54.22 Acres

☒ Mouse Navigation

Save Clear



© 2016 Google

Google earth

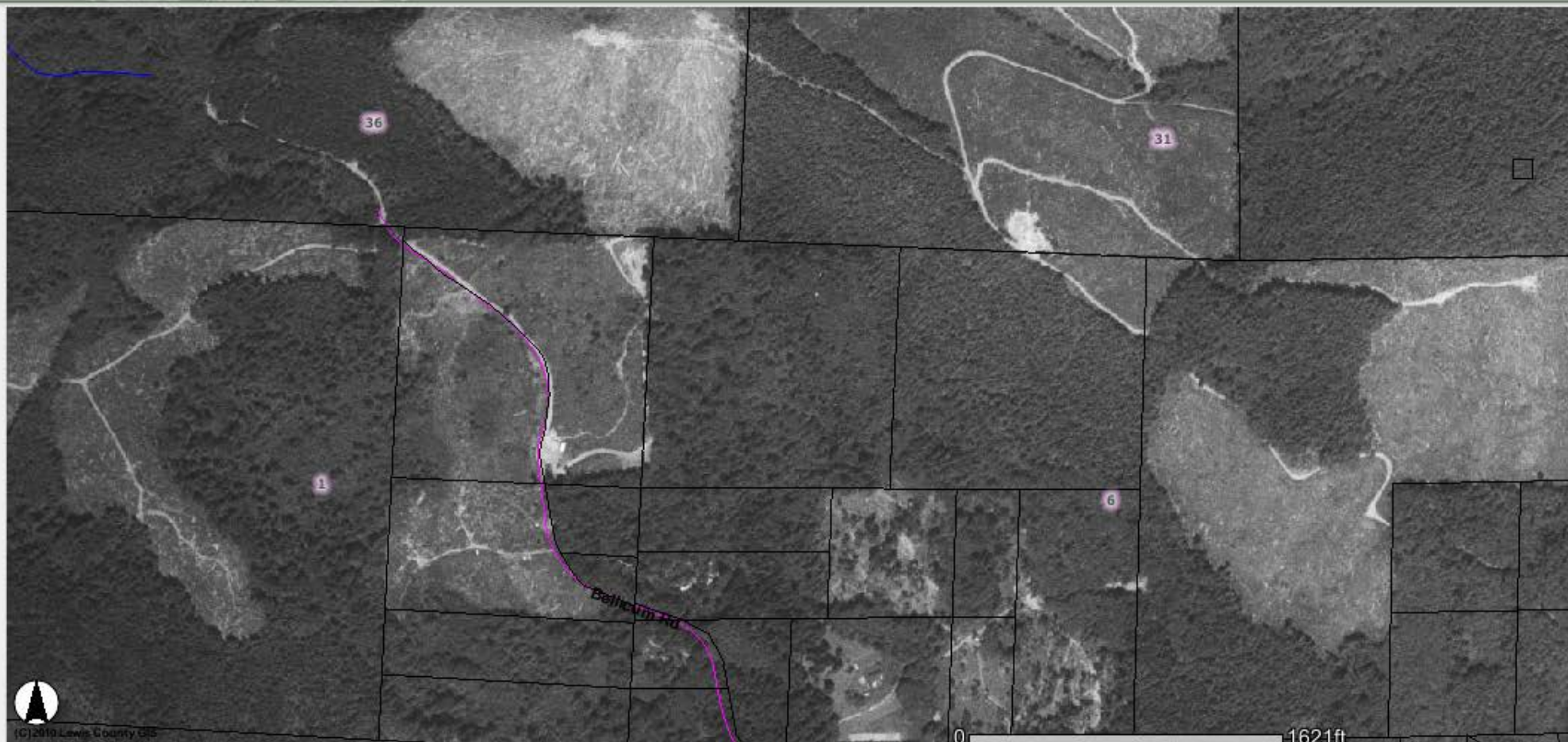
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LEWIS COUNTY WEB MAP

Search Map by Parcel# →

SEARCH

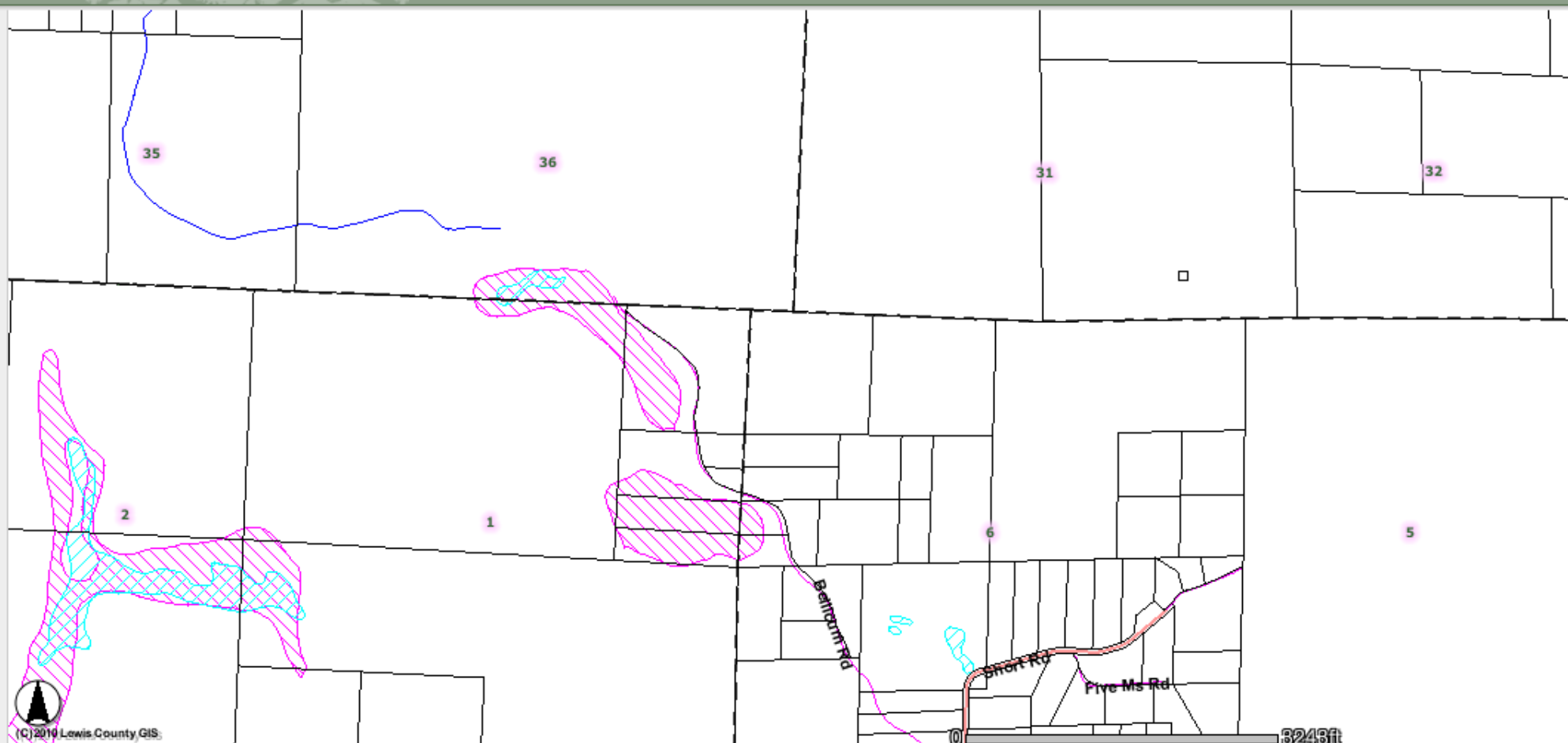


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Streams is now the Active Layer

LAYERS

- PARCELS
 - ☒ Tax Parcels
 - ☐ Labels
- BASE DATA
 - ☒ PLS, Sections
 - ☒ Roads & RRs
 - ☒ Streams
 - ☒ Water Bodies
 - ☒ Cities
 - ☒ Federal Lands
- CONTOURS
 - ☐ 2ft
 - ☐ 10ft & labels
 - ☐ Contour Sources
- CRITICAL AREAS
 - ☐ Wetlands
 - ☐ Hydric Soils
 - ☐ Flood Zones
 - ☐ ShorelineEnv
- ZONING
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 - ☐ 2006 Aerial NAIP
 - ☐ 2003 Aerial WADNR
 - ☒ 1996 Aerial WADNR
 - ☐ Gray Hillshade
 - ☐ USGS Topo



Streams is now the Active Layer

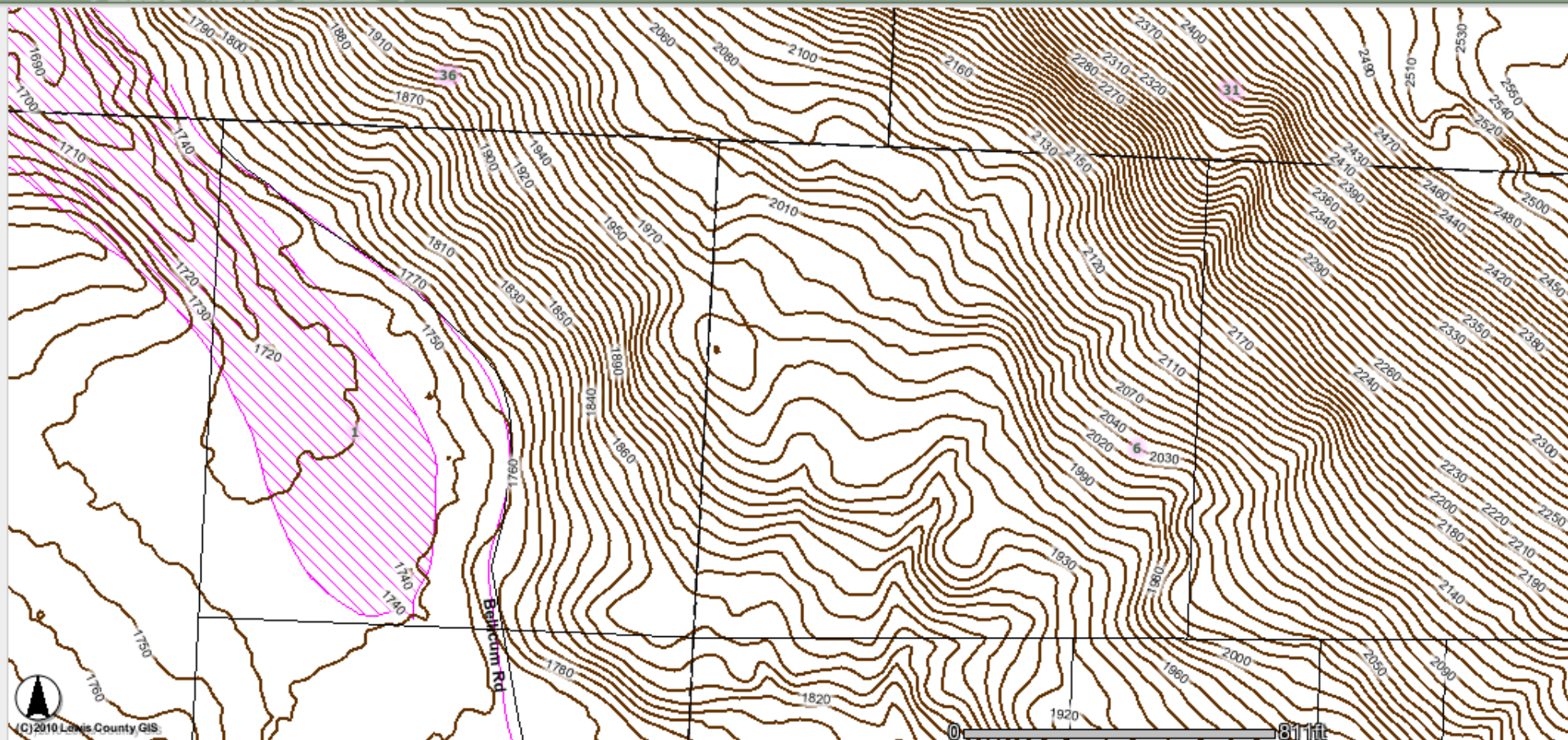
LAYERS

- PARCELS
 - ☒ Tax Parcels
 - ☐ Labels
- BASE DATA
 - ☒ PLS, Sections
 - ☒ Roads & RRs
 - ☒ Streams
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 - ☒ Hydric Soils
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 - ☐ 2008 Aerial WADNR
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United States Department of Agriculture
Natural Resources Conservation Service

Web Soil Survey

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All NRCS Sites

Browse by Subject

- ▶ Soils Home
- ▶ National Cooperative Soil Survey (NCSS)
- ▶ Archived Soil Surveys
- ▶ Status Maps
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- ▶ Soil Series Extent Mapping Tool
- ▶ Geospatial Data Gateway
- ▶ eFOTG
- ▶ National Soil Characterization Data
- ▶ Soil Quality
- ▶ Soil Geography

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

START WSS

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.

Soil surveys can be used for general farm, local, and wider area planning. Onsite investigation is needed in some cases, such as soil quality assessments and certain conservation and engineering applications. For more detailed information, contact your local [USDA Service Center](#) or your [NRCS State Soil Scientist](#).

Four Basic Steps

1 Define.

Area of Interest (AOI)



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

I Want To...

- [Start Web Soil Survey \(WSS\)](#)
- [Know the requirements for running Web Soil Survey — will Web Soil Survey work in my web browser?](#)
- [Know the Web Soil Survey hours of operation](#)
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- [Find information by topic](#)
- [Know how to hyperlink from other documents to Web Soil Survey](#)
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Announcements/Events

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- [Getting Started With Web Soil Survey](#)
- [How to use Web Soil Survey](#)

Area of Interest (AOI)[Soil Map](#)[Soil Data Explorer](#)[Download Soils Data](#)[Shopping Cart \(Free\)](#)**Search****Area of Interest**[Open All](#)[Close All](#)**AOI Properties**[Clear AOI](#)**AOI Information**

Name

Map Unit Symbols

- ☒ Use Soil Survey Area Map Unit Symbols
☐ Use National Map Unit Symbols

Area (acres)

57.2

Soil Data Available from Web Soil Survey**Lewis County Area, Washington (WA641)**

Data Availability Tabular and Spatial, complete

Tabular Data Version 10, Sep 15, 2015

Spatial Data Version 6, Mar 3, 2015

[Clear AOI](#)[Import AOI](#)[Export AOI](#)**Quick Navigation****Address****Area of Interest Interactive Map**

View Extent

Contiguous U.S.

Scale

(not to scale)



Search

Map Unit Legend

Lewis County Area, Washington (WA641)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
50	Cinebar silt loam, 8 to 15 percent slopes	16.1	28.1%
51	Cinebar silt loam, 15 to 30 percent slopes	27.6	48.3%
52	Cinebar silt loam, 30 to 65 percent slopes	0.7	1.2%
116	Klaber silt loam	0.1	0.2%
251	Zynbar gravelly silt loam, 30 to 65 percent slopes	12.7	22.2%
Totals for Area of Interest		57.2	100.0%

Soil Map

Legend Scale (not to scale)



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	?	⌵
Waste Management	?	⌵
Water Management	?	⌵

Soil Map

Legend Scale (not to scale)



Forestland Productivity—Lewis County Area, Washington				
Map unit symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site Index	Volume of wood fiber	
			<i>Cu ft/ac</i>	
50—Cinebar silt loam, 8 to 15 percent slopes				
Cinebar	Bigleaf maple	—	—	Douglas-fir
	Douglas-fir	132	186.00	
	Red alder	—	—	
	Western hemlock	110	243.00	
	Western redcedar	—	—	
51—Cinebar silt loam, 15 to 30 percent slopes				
Cinebar	Bigleaf maple	—	—	Douglas-fir
	Douglas-fir	132	186.00	
	Red alder	—	—	
	Western hemlock	110	243.00	
	Western redcedar	—	—	

WASHINGTON STATE DEPARTMENT OF
Natural Resources**PETER GOLDMARK**
COMMISSIONER OF PUBLIC LANDS

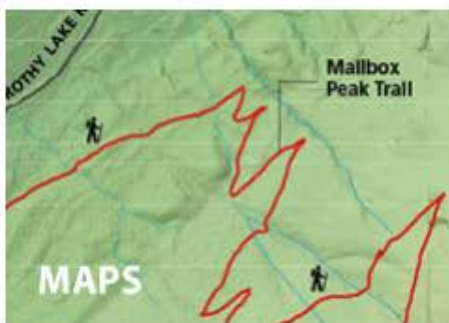
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Forest Practices



Here's where to find help if you're interested in harvesting timber, building or repairing forest roads or culverts, thinning your forest, or other forest practices.

- Apply for or look up a [forest practices permit](#).
- Find [minutes](#), [agendas](#), or other information about the [Forest Practices Board](#), the official body that sets regulations for forestry in the state of Washington.
- Find forest practices [forms](#), [fees](#) and [technical requirements](#) to follow when working in the woods.

CONTACTS

Forest Practices

1111 Washington St. SE
MS 47012

Olympia, WA 98504-7012

[360-902-1400](tel:360-902-1400)

Fax 360-902-1428

fpd@dnr.wa.gov

Emails by Section:

Operations Unit

fp.ops@dnr.wa.gov

Small Forest



Forest Practices Forms and Instructions



Forest Practices Application/Notification (FPA/N)

[Forest Practices Application/Notification \(FPA/N\) Fees](#)

[Western Washington Forest Practices Application/Notification](#)

[Western Washington Forest Practices Application/Notification Instructions](#)

[Eastern Washington Forest Practices Application/Notification](#)

[Eastern Washington Forest Practices Application/Notification Instructions](#)

[CMZ Assessment Form](#)

[Slope Stability Informational Form](#)

[Stream Shade Assessment Worksheet](#)

[Activity Map Standards](#)

[Print an Activity Map](#) ([How to disable popup blockers](#))



Forest Practices Application Mapping Tool



[DNR Home](#) | [FPARS Home](#) | [Forest Practices](#) | [FP Rules](#) | [FP Manual](#)

Data

Active (16)

Legend

Activity Map

- ☒ Townships
- ☒ Section Survey Lines
- ☒ Map Registration Tics
- ☒ Water Type Break
- ☒ Roads
- ☒ Trails and Railroads
- ☒ Watershed Analysis
- ☒ WAU
- ☒ WRIA
- ☒ Streams
- ☒ Water Bodies
- ☒ Fire Shutdown Zones
- ☒ Contours - 40ft. Interval

Map Themes

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Township

Range

Section

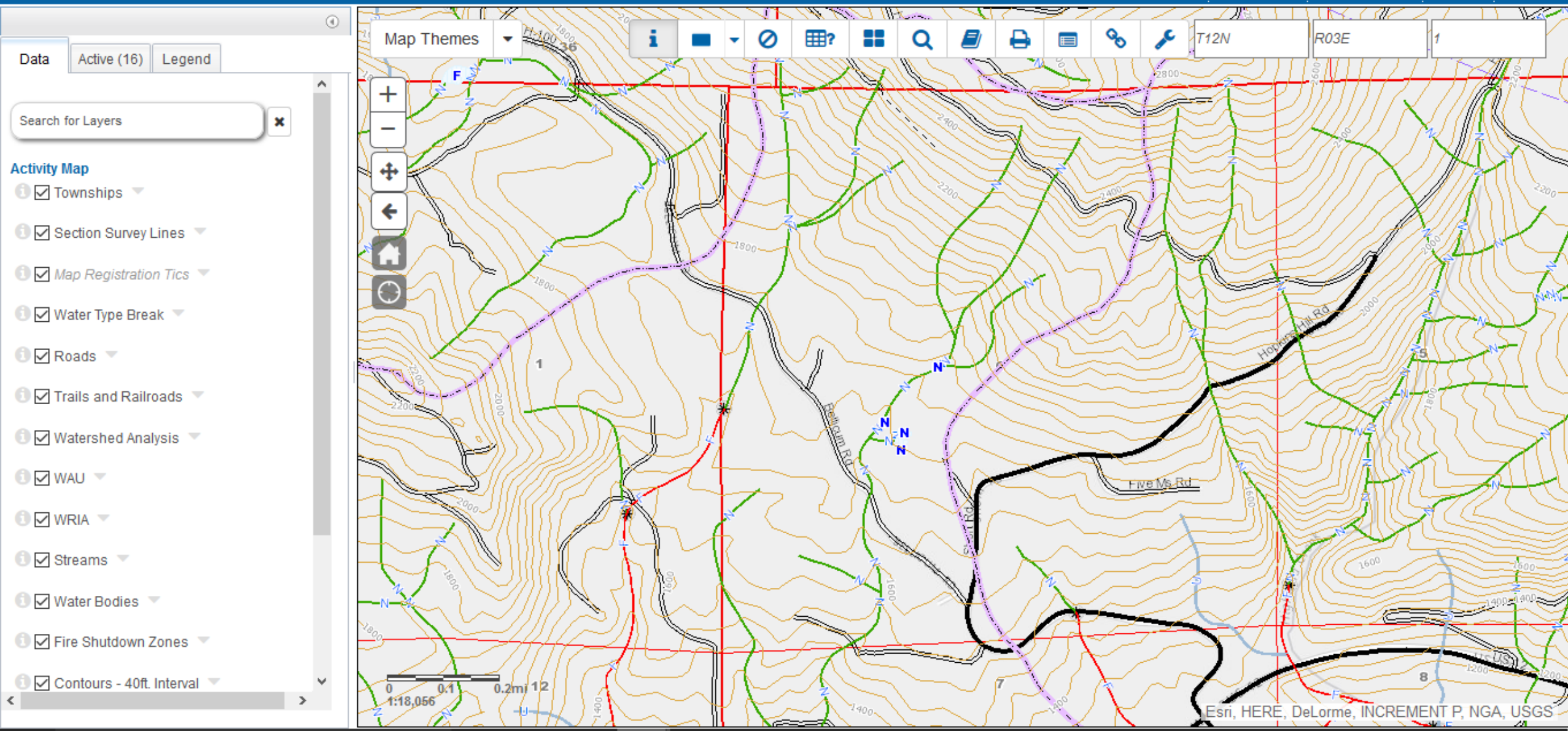
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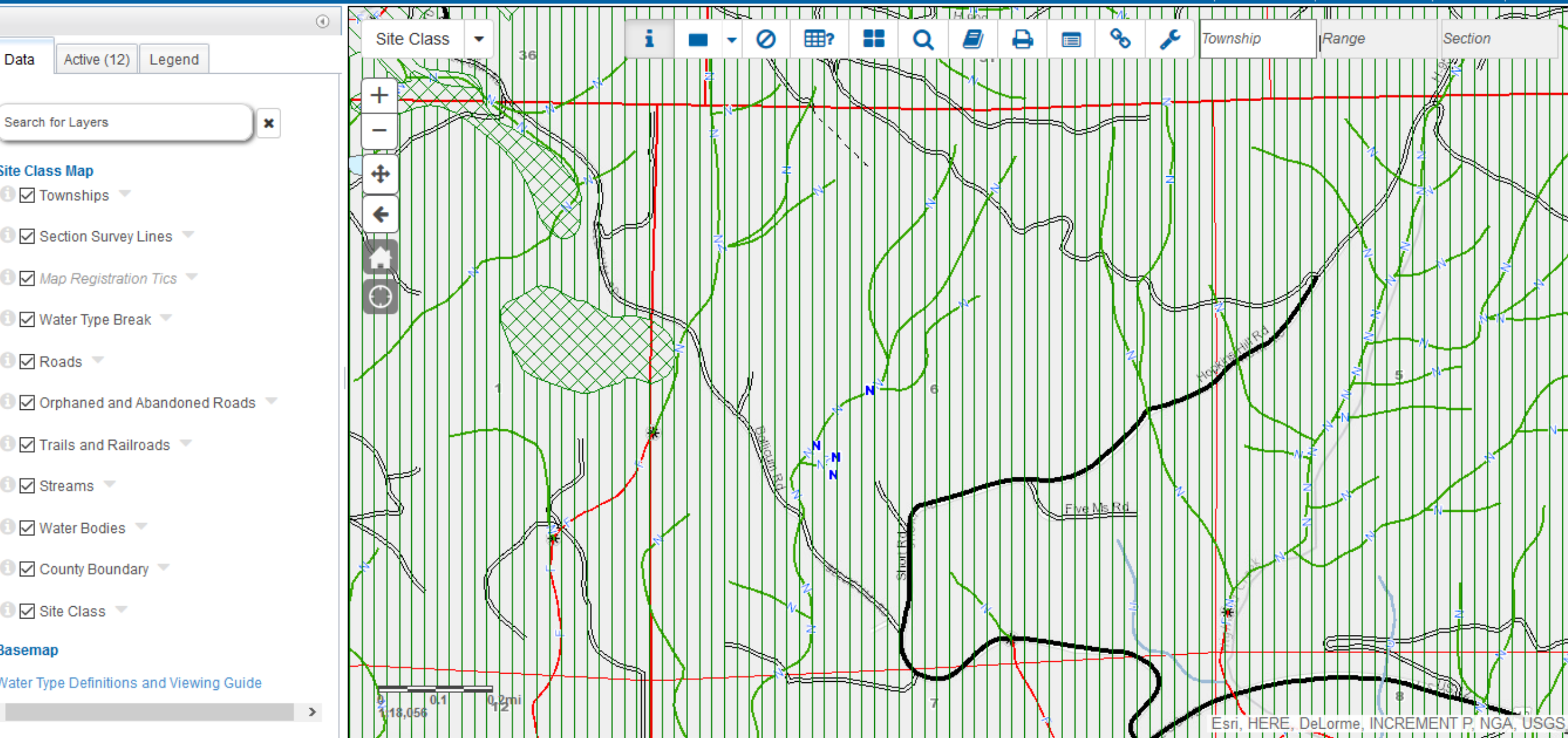
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Esri, HERE, DeLorme, NGA, USGS



Forest Practices Application Mapping Tool

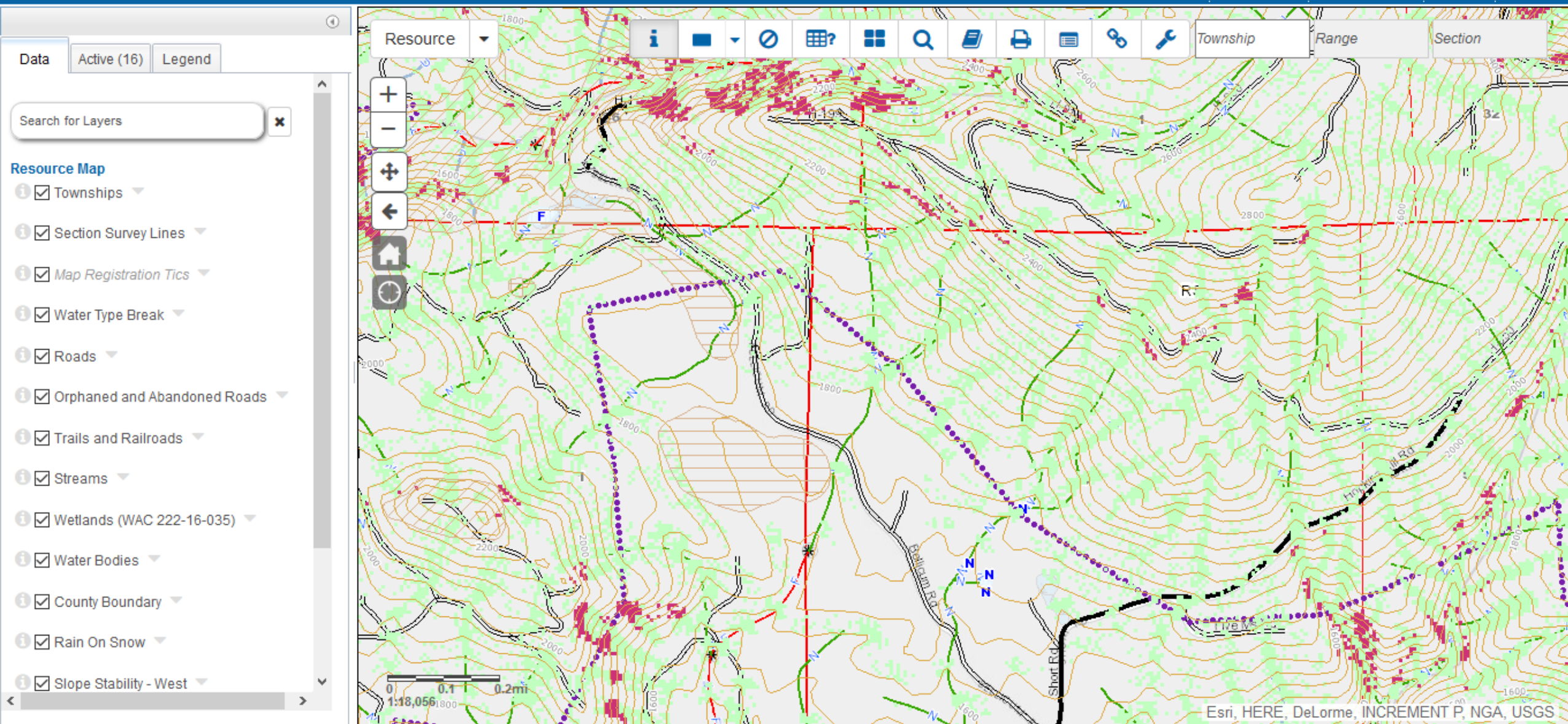
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First Steps for New Forest Owners

1. Educational materials
2. Professional foresters
3. Aerial photos
4. Resource maps
5. Mapping your land
6. Forest inventory
7. Forest management plan

How to Manage Your Forest

Mapping and Measurements

Tristan Huff
Oregon State University
Extension Service

Maps and Measurements, Part 1



Tristan Huff
Extension Forestry Agent

Outline

Thumb

Slide Title Duration

▶ Title	00:15
Introduction	00:31
What's in a Forest	01:19
Outline	00:42
Land Survey System	00:57
Meridians	00:35
Townships	01:14
Sections	00:56
Sections	00:41
The Acre	00:40
Mapping Resources	00:39
Plat Maps	01:07
Topographic Maps	00:44
Aerial Photographs	01:12
Soil Survey Maps	00:33
Soil Survey Maps	00:23
Management Maps	00:35

16 Minutes 19 Seconds Remaining



Slide 1 / 23 | Playing

00:09 / 00:15



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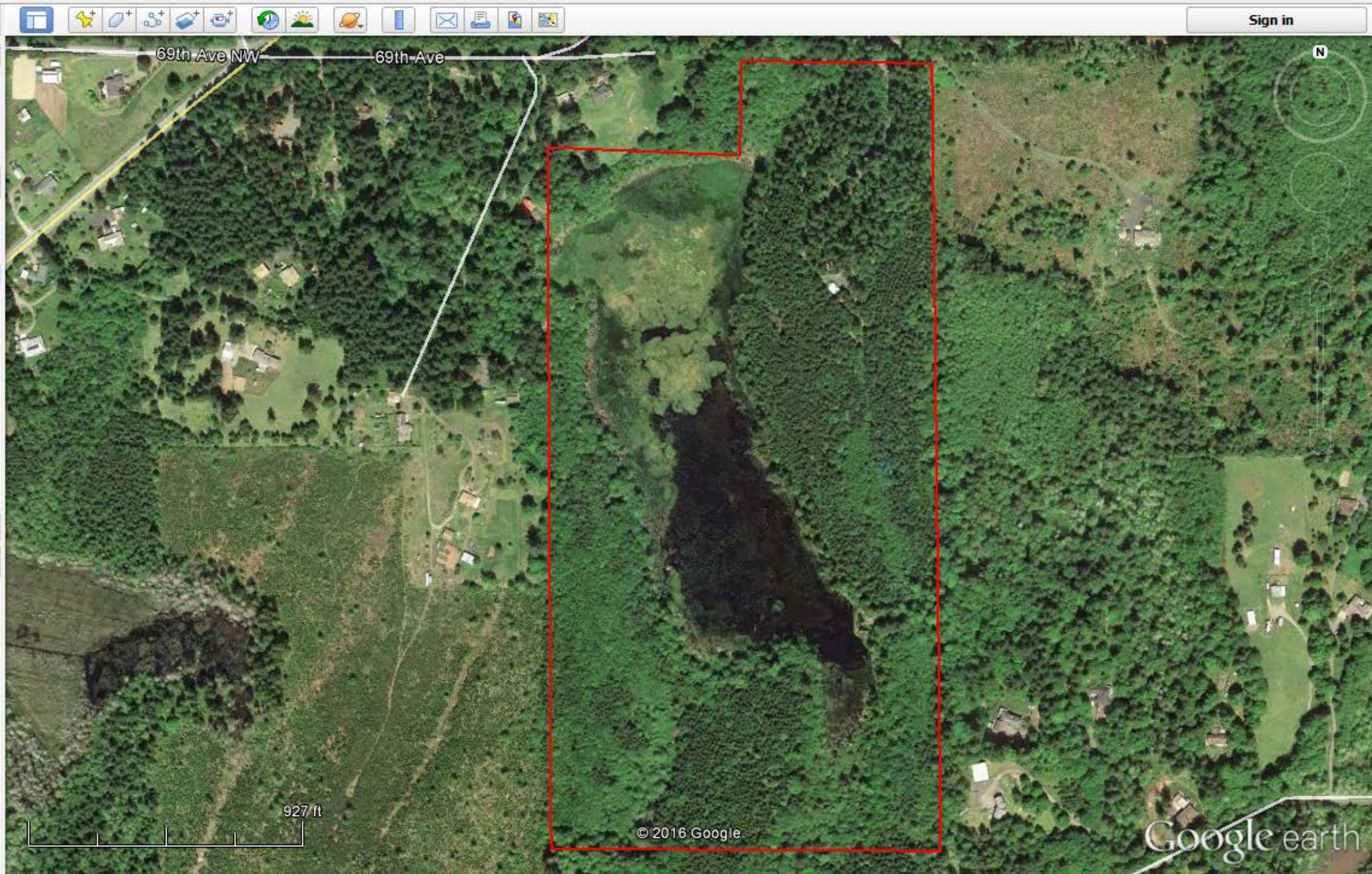
ex: Museums in New York, NY
[Get Directions](#) [History](#)

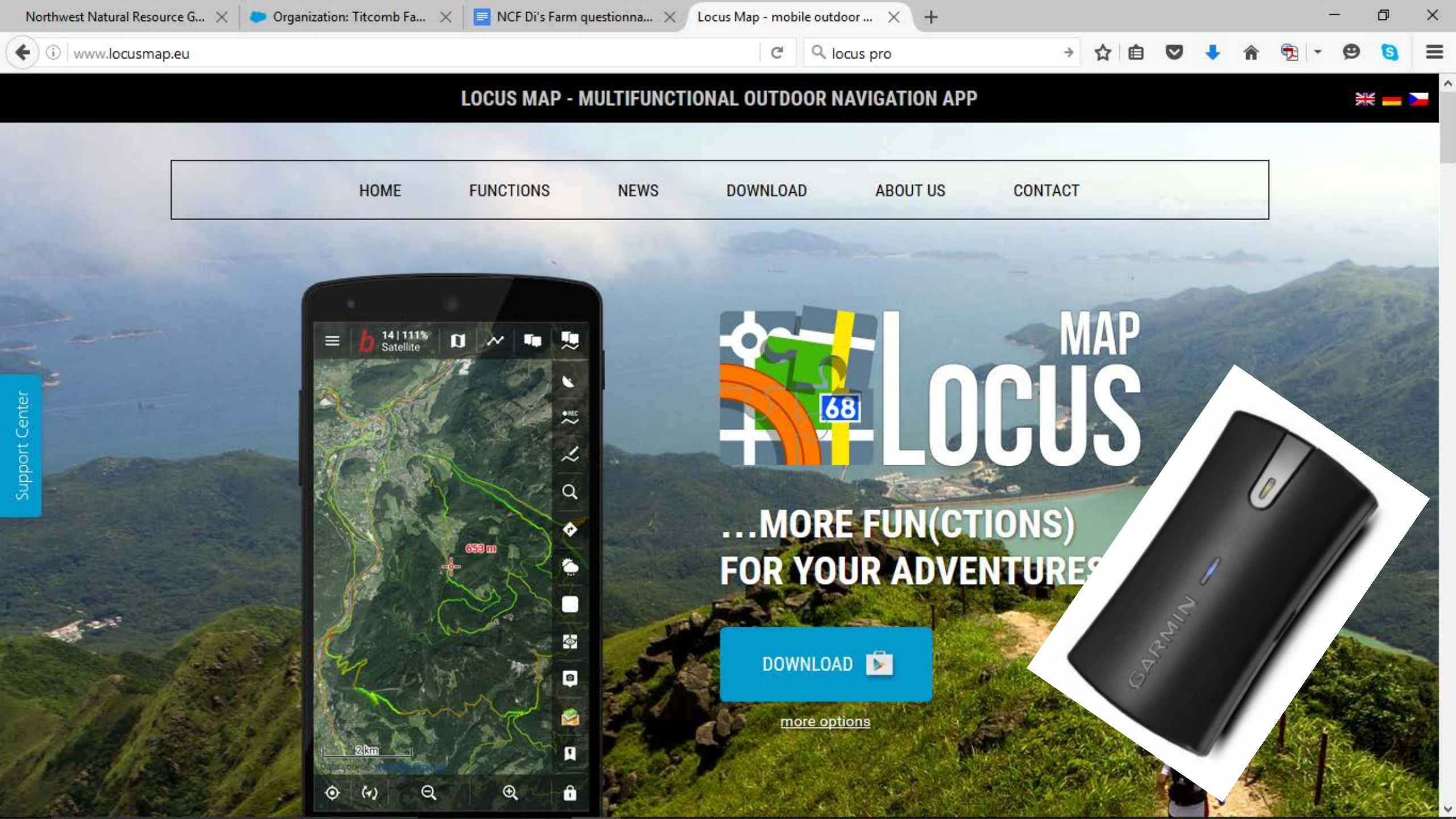
▼ Places

- ☒ My Places
 - ☐ Maps
 - ☒ New FMP Maps
 - ☒ Old FMP Maps
 - ☐ o46123a7
 - ☐ Alaska
- ☐ Temporary Places

▼ Layers [Earth Gallery >>](#)

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





LOCUS MAP - MULTIFUNCTIONAL OUTDOOR NAVIGATION APP



HOME

FUNCTIONS

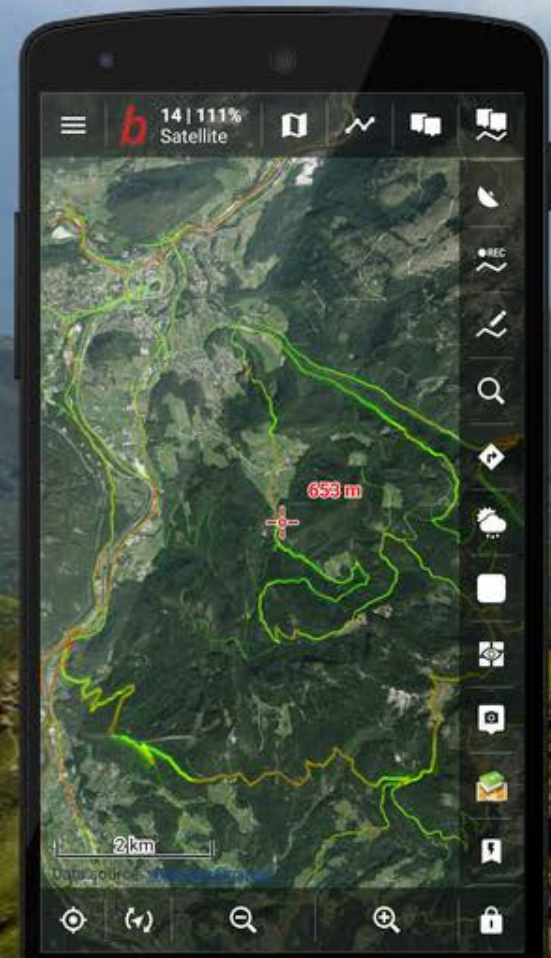
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The Outdoor Discovery App

Get trails and maps anywhere in the world. Start your adventure here.

Puyallup, United States

Find adventure




History of the Water Flume Line Trail

3.85km Easy

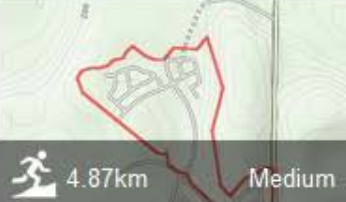


Water Flume Line Trail



10.54km Medium

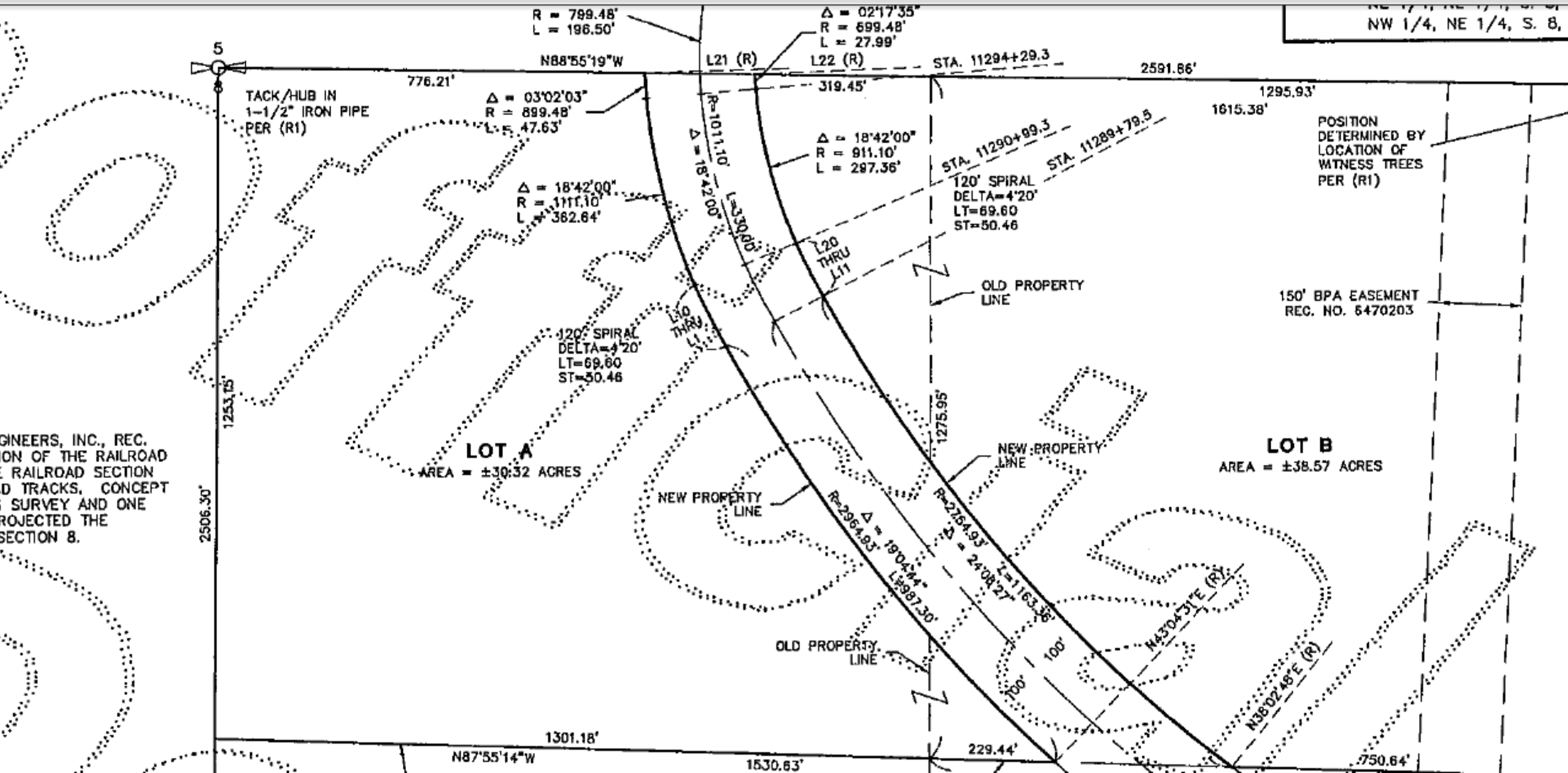
Track Nov 12, 2015 10:04:06 AM



4.87km Medium

Track Sep 19, 2013, 9:47 AM

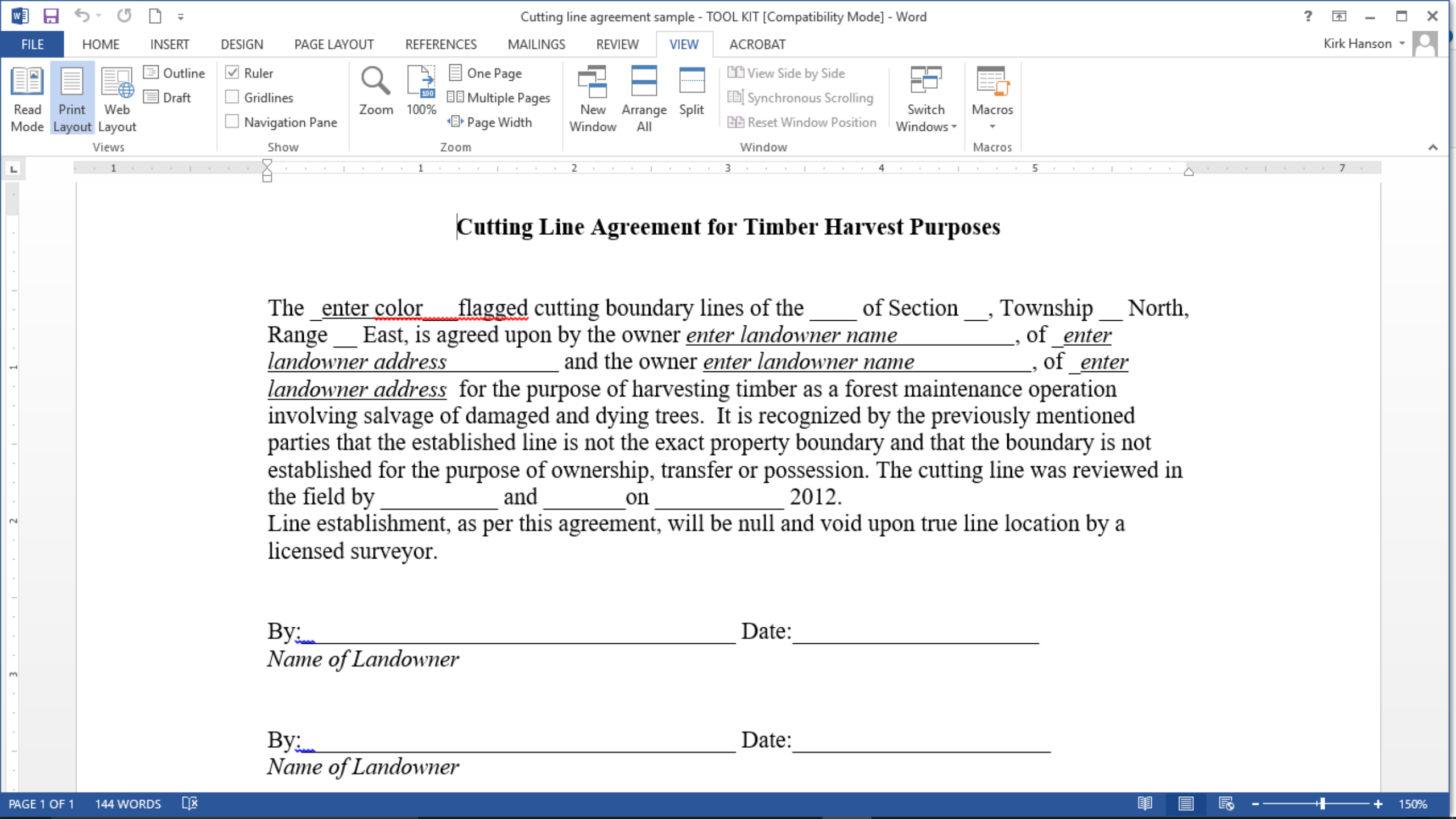












Cutting Line Agreement for Timber Harvest Purposes

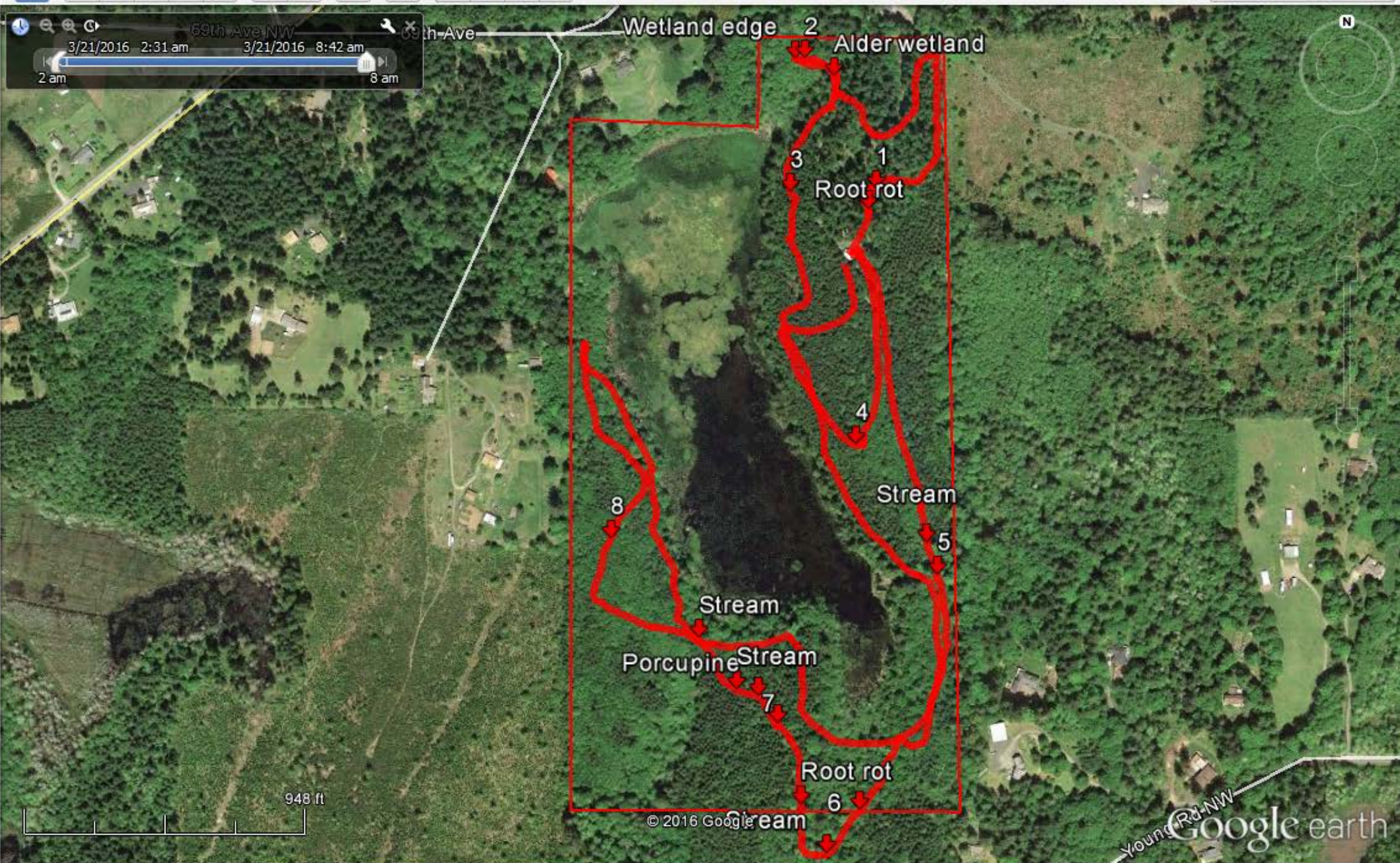
The enter color flagged cutting boundary lines of the ____ of Section __, Township __ North, Range __ East, is agreed upon by the owner enter landowner name, of enter landowner address and the owner enter landowner name, of enter landowner address for the purpose of harvesting timber as a forest maintenance operation involving salvage of damaged and dying trees. It is recognized by the previously mentioned parties that the established line is not the exact property boundary and that the boundary is not established for the purpose of ownership, transfer or possession. The cutting line was reviewed in the field by _____ and _____ on _____ 2012. Line establishment, as per this agreement, will be null and void upon true line location by a licensed surveyor.

By: _____ Date: _____
Name of Landowner

By: _____ Date: _____
Name of Landowner

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- Maps
- New FMP Maps
 - Edwards
 - Gratzer
 - Ilwaco
 - Kachess Ridge
 - kibbey
 - Kibbey.kmz
 - o47122b8
 - Kibbey
- FMPs
 - Peterson
 - River Ranch

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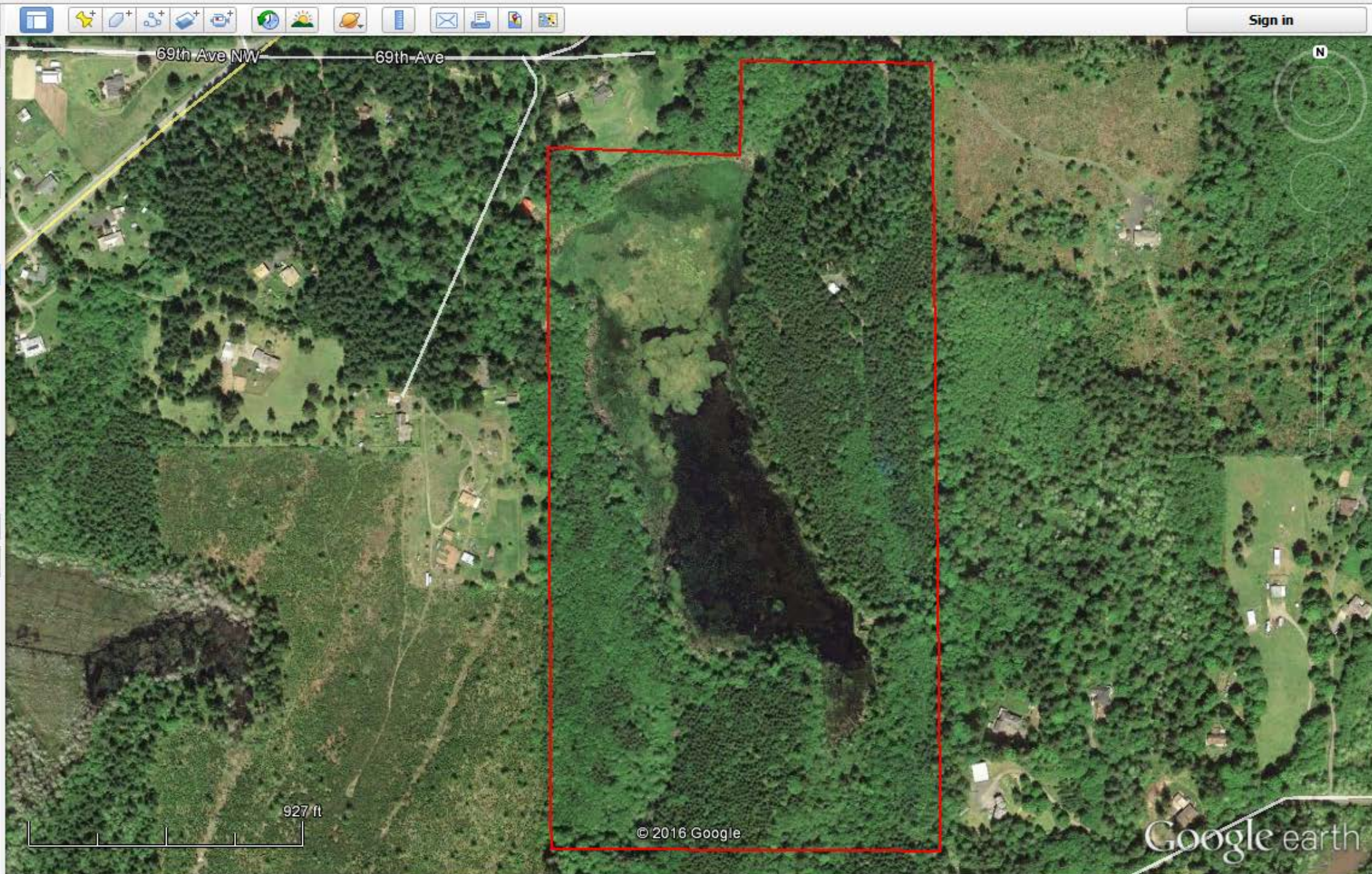
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N

927 ft

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Google earth

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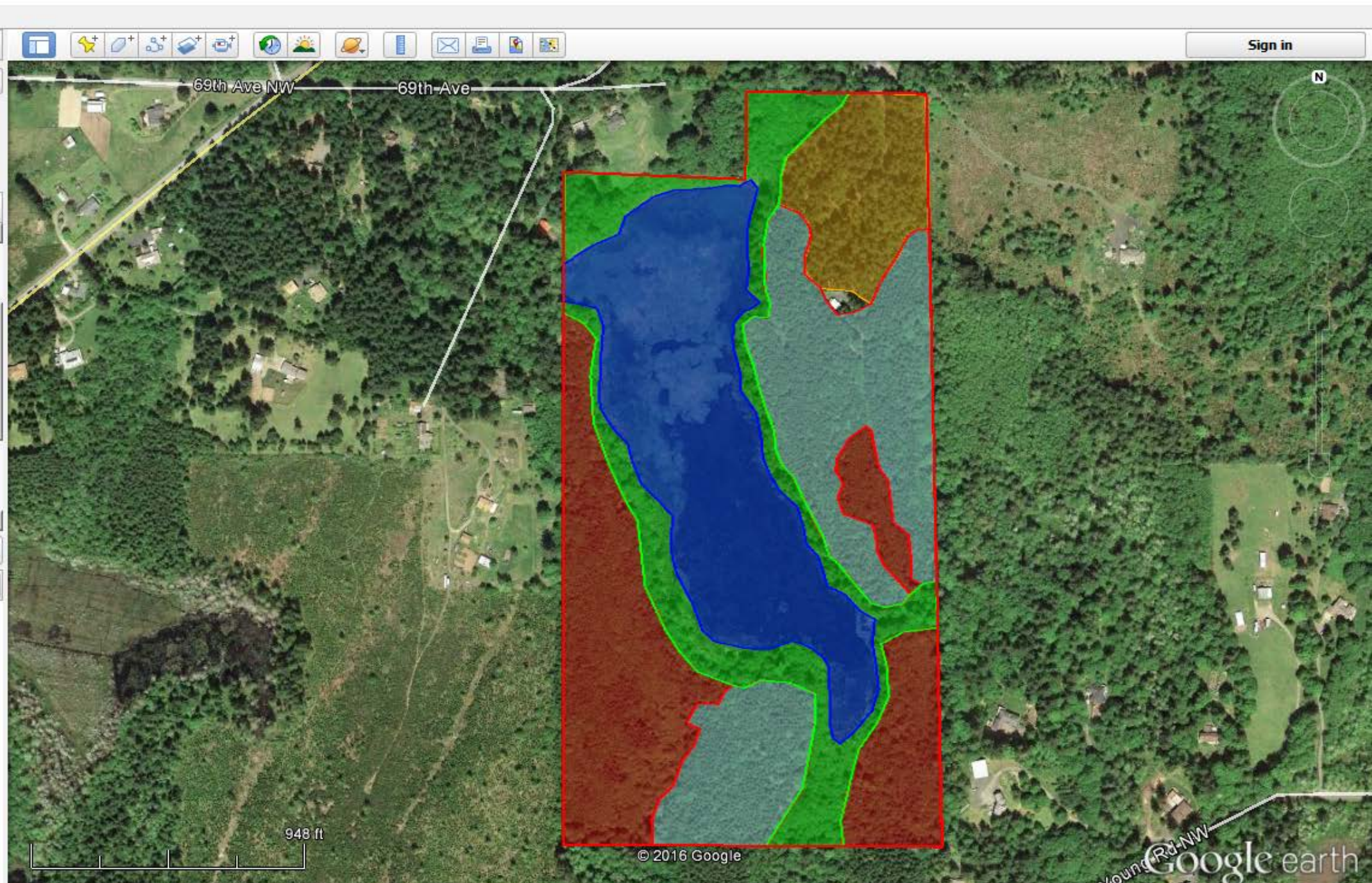
▼ Places

- ☐ Kachess Ridge
- ☒ kibbey
 - ☐ Kibbey.kmz
 - ☐ o47122b8
 - ☒ Kibbey
- ☒ FMUs
- ☐ Peterson
- ☐ River Ranch
- ☐ Skok River
- ☐ Skokomish
- ☐ Waldron
- ☐ Yoachim
- ☐ Middendorf
- ☐ April Joy

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948 ft

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Young Rd NW
Google earth

A Guidebook for Forest Stewardship Council
Certified Small Forest Landowners

**Exclusively For members of
Northwest Certified Forestry**



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	(#1) NCF Inventory Data Sheet															
2																
3	Date:				Stand #:				Note Taker:							
4																
5	Plot Center															
6	Monument			Plot #						Monument			Plot #			
7	Bearing Trees			Slope						Bearing Trees			Slope			
8	Tag#	Dist	Azm	Aspect						Tag#	Dist	Azm	Aspect			
9				Topo Position									Topo Position			
10	GPS			Photos						GPS			Photos			
11																
12	Tree Plot (>5.9" dbh)															
13																
14	Plot Size:				Plot radius											
15																
16	Tag #	Plot #	Species	Dbh (0.1")	% Defect	Strata	Snag	Downed Log	W-Live Tree (1 if yes)	Height (ft)	Ht LiveCr (ft)	Age	Notes			
17																
18																
19																
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21																
22																
23																
24																
25																
26																
27																

< > | Overview | **Inv1** | Inv2 | Stand | Roads | Streams | Wetlands | Activity | Gear_list | Species

Tools for Measuring Your Forest

S. Bowers

Contents

The tools and how they work.....	1
Angle gauge	1
Clinometer.....	1
Combination logger's tape	2
Compass.....	2
Global Positioning System (GPS)	2
Increment borer.....	2
Log volume tables	3
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Topographic map.....	3
Tan access tables.....	3
Tree volume tables.....	4
The Woodland Stick.....	4
Comparing tools	4
For more information	back page

Woodland owners routinely want to measure property acreage, boundaries, ground slope, various characteristics of standing timber, and individual log volumes. Different tools are required for each of these tasks (Figure 1).

Forests and forest products can be measured efficiently and precisely with sophisticated, and often expensive, instruments. However, most measurements can be made with a few simple and inexpensive tools.

This publication discusses only those tools that are readily available, affordable, and appropriate for a woodland owner who has basic measurement skills. Table 1 (page 5) compares the accuracy and convenience of each type of tool for taking certain measurements.

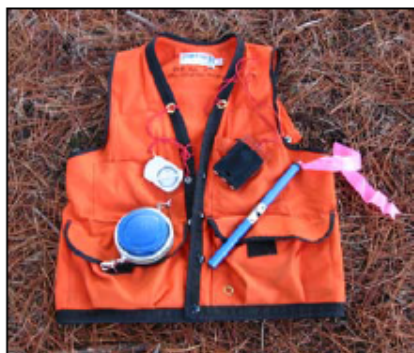


Figure 1.—Tools you'll use for some measuring tasks are (clockwise, from top left) a clinometer, a compass, an increment borer (with flagging tape attached, to make the borer easier to find if it falls on the ground), and a combination logger's tape.

The tools and how they work

Angle gauge A mechanical or optical device for measuring basal area of trees in variable-plot sampling; that is, sampling a plot containing trees of various sizes. The most common is a wedge prism, a precisely ground glass wedge that is calibrated in basal area factors (BAF) from 10 to 70. Most woodland owners use a prism with a BAF scale between 20 and 40. Average tree diameter and prism BAF are directly proportional—as average tree diameter increases, prism BAF increases also.

Clinometer A rugged, hand-held instrument for measuring vertical angles such as ground slope, road grade, and tree height (Figure 2). Various models have degree and percent scales, percent and topo scales,

Steve Bowers, Extension forester,
Lane and Douglas counties,
Oregon State University.

Basic Forest Inventory Techniques for Family Forest Owners

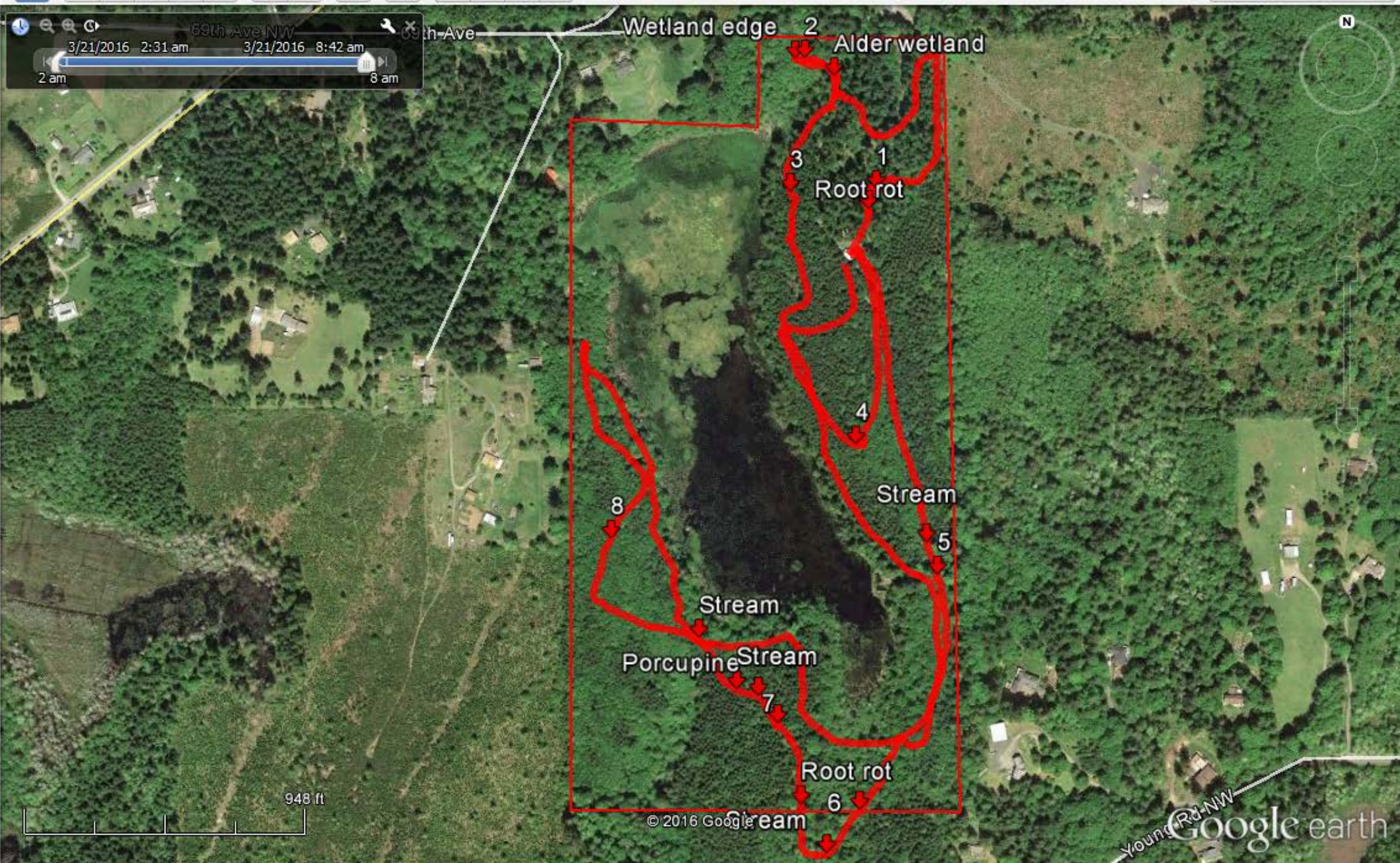
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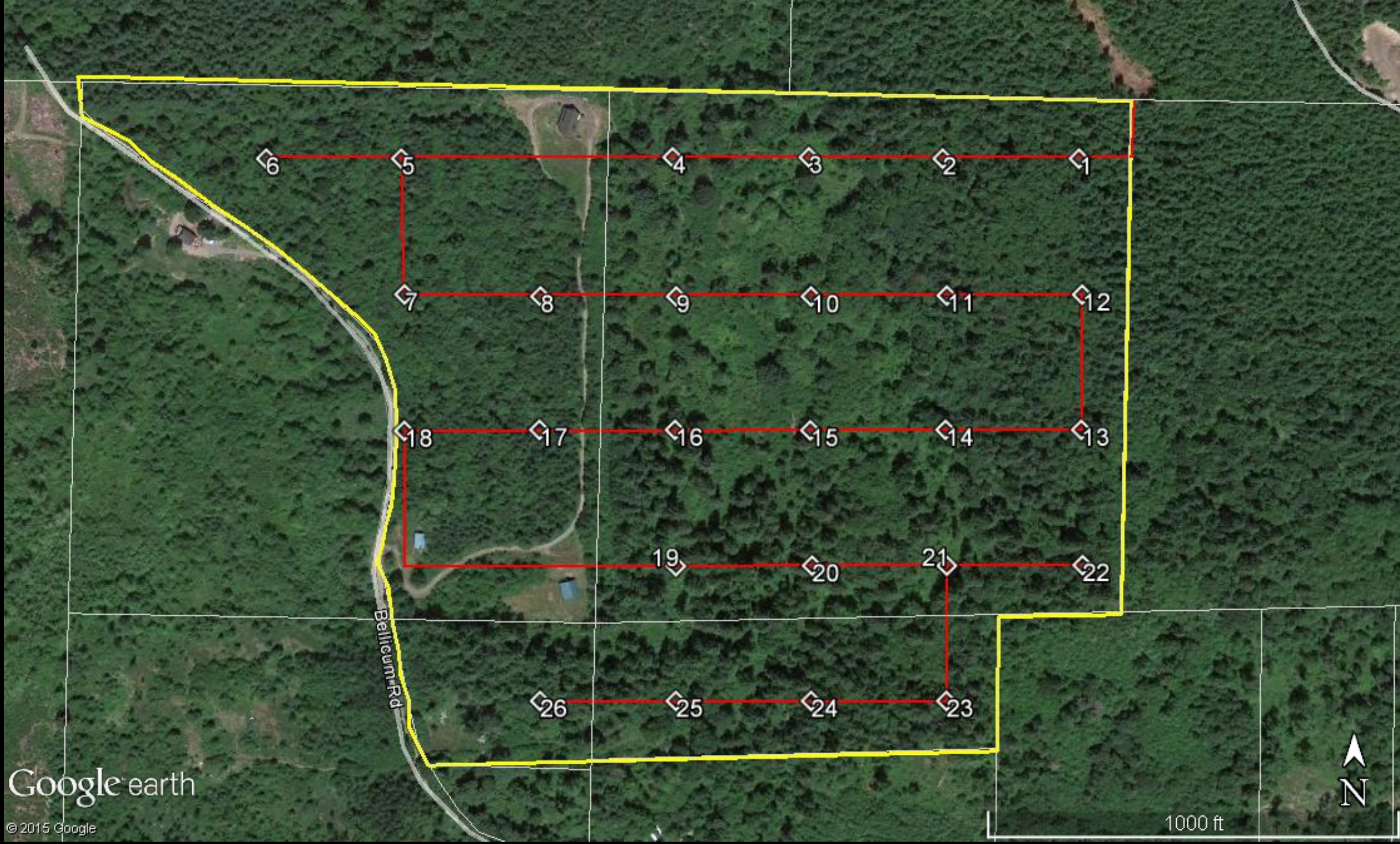


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- Terrain

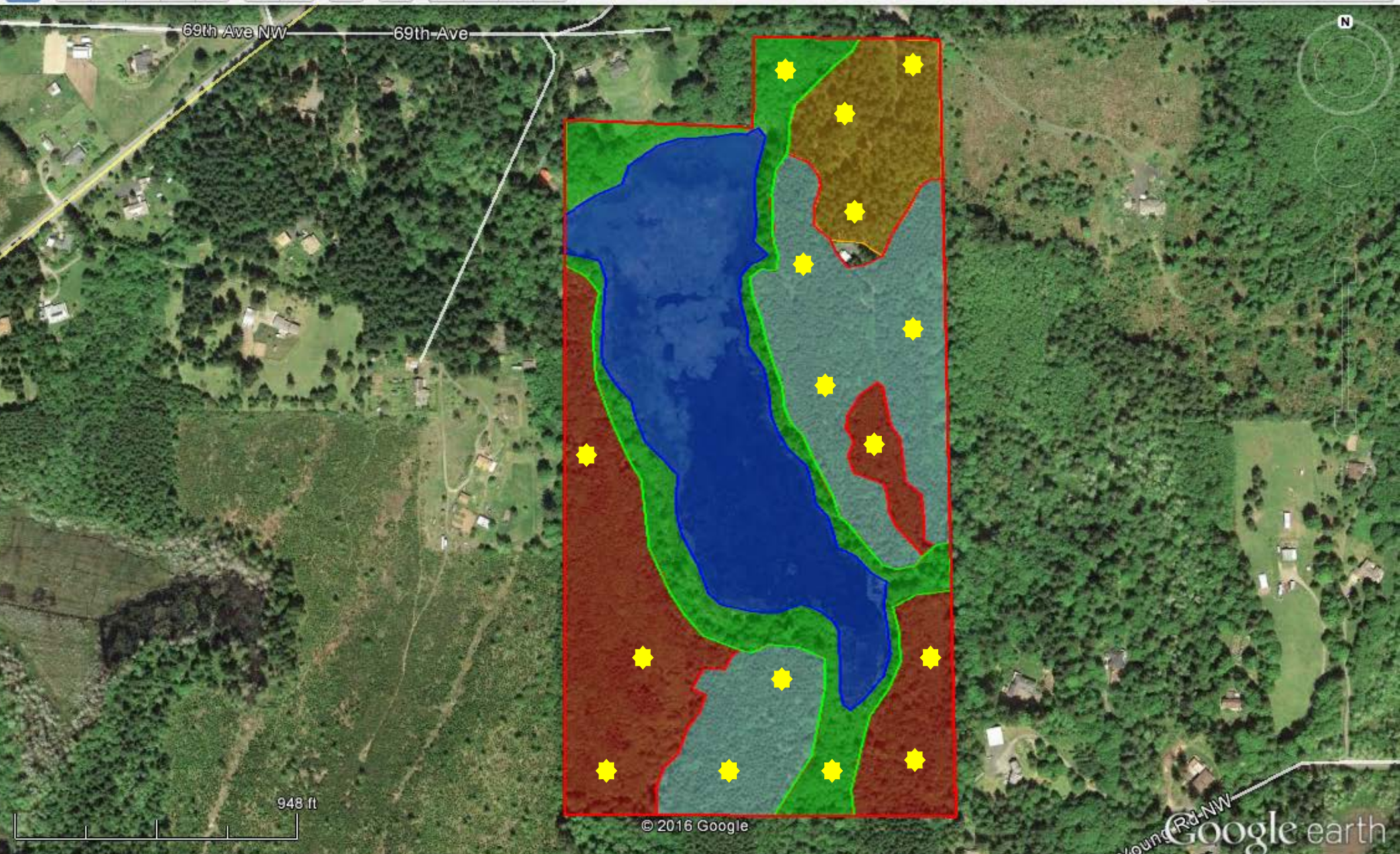
69th Ave NW
3/21/2016 2:31 am 3/21/2016 8:42 am
2 am 8 am





- ☐ Kachess Ridge
- ☒ kibbey
 - ☐ Kibbey.kmz
 - ☐ o47122b8
 - ☒ Kibbey
- ☒ FMUs
- ☐ Peterson
- ☐ River Ranch
- ☐ Skok River
- ☐ Skokomish
- ☐ Waldron
- ☐ Yoachim
- ☐ Middendorf
- ☐ April Joy

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



Inventory

Fixed radius plot

- 1. Trees per acre
- 2. Height
- 3. Diameter at breast height
- 4. Live crown ratio

Observations

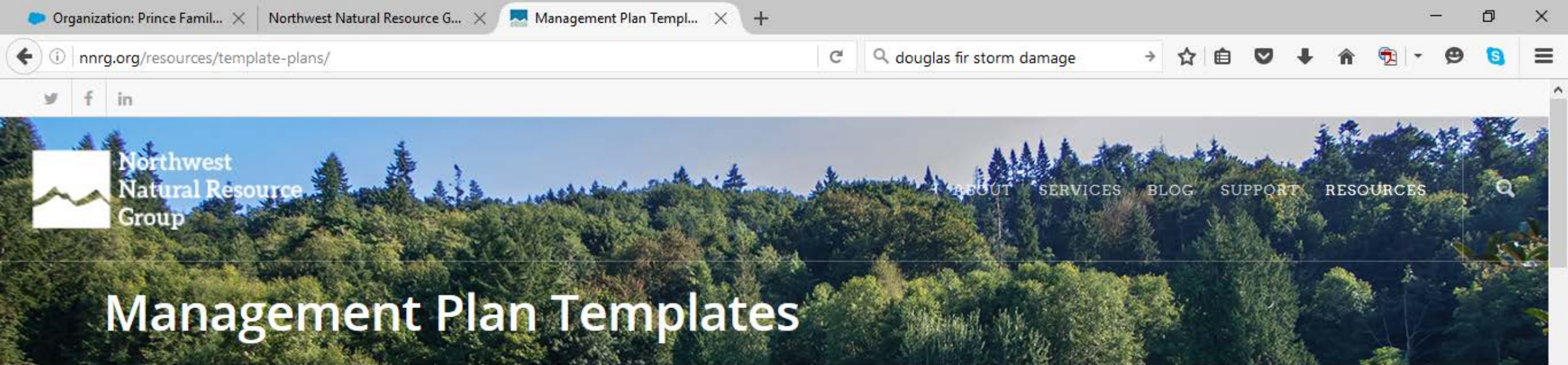
- 1. Forest health
- 2. Understory plants
- 3. Understory regeneration
- 4. Wildlife structures (snags & logs)
- 5. Invasive species
- 6. Storm damage
- 7. Suppression mortality



Trees per Acre	Recommended Plot Size	Plot Radius
800+	1/100 th acre	11.8'
400-800	1/50 th acre	16.7'
150-400	1/20 th acre	26.3'
75-150	1/10 th acre	37.2'
75 or less	1/5 th acre	52.7'

First Steps for New Forest Owners

1. Educational materials
2. Professional foresters
3. Aerial photos
4. Resource maps
5. Mapping your land
6. Forest inventory
7. Forest management plan



You have a wide variety of reasons for owning your land. A management plan is an excellent means to better know your forest, its history, its context within the landscape, as well as document your goals and accomplishments.

Map out your vision for your forest and future generations.

The following are a selection of forest management plan templates:

1. [Integrated Forest Management Plan](#)
2. [Sample Forest Mngt. Plan #1 \(4 MB\)](#)
3. [Sample Forest Mngt. Plan #2 \(200 KB\)](#)
4. [Sample Forest Mngt. Plan #3 \(2 MB\)](#)
5. [Sample Forest Mngt. Plan #4 \(HTML\)](#)
6. [Sample Forest Mngt. Plan #5 \(339 KB\)](#)

Forest stewardship planning courses:

- [WSU Coached Stewardship Planning Program](#)
- [OSU Land Steward Program](#)

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1. [Integrated Forest Management Plan](#)
2. [Sample Forest Mngt. Plan #1 \(4 MB\)](#)
3. [Sample Forest Mngt. Plan #2 \(200 KB\)](#)
4. [Sample Forest Mngt. Plan #3 \(2 MB\)](#)
5. [Sample Forest Mngt. Plan #4 \(HTML\)](#)
6. [Sample Forest Mngt. Plan #5 \(339 KB\)](#)

Forest stewardship planning courses:

- [WSU Coached Stewardship Planning Program](#)
- [OSU Land Steward Program](#)
- [OSU's annual Tree School](#)

On-line tools for forest stewardship planning:

- [Forest Planner from Ecotrust](#)
- [My Land Plan from American Forest Foundation](#)
- [Seedlot Selection Tool from OSU](#)
- [King County Forest Climate Preparedness and Response](#)

Guides to writing management plans, measuring stands, and preparing for a timber harvest:

1. [WSU Forest Management Planning Guidebook](#)
2. [WSU's Managing a Timber Sale](#)
3. [WSU's A Primer for Timber Harvesting](#)
4. [OSU's Land Measurement and Survey](#)
5. [Timber sale revenue worksheet](#)
6. [Timber sale task checklist](#)



Bellicum Woods

Conservation Activity Plan

Morton, WA November

2015

Landowner:
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Plan prepared by:
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Northwest Natural Resource Group
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Seattle, WA 98101
360-316-9317 kirk@nnrg.org
www.nnrg.org

Forest Management Plan -- Written	FMP Less Than or Equal to 20 acres	\$1,065.90
Forest Management Plan -- Written	FMP 21 to 100 acres	\$1,346.40
Forest Management Plan -- Written	FMP 101 to 250 acres	\$2,412.30
Forest Management Plan -- Written	FMP 251 to 500 acres	\$3,478.20
Forest Management Plan -- Written	FMP 501 to 1000 acres	\$4,039.20
Forest Management Plan -- Written	FMP Greater Than 1000 acres	\$5,049.00
Forest Management Plan -- Written	HU--FMP Less Than or Equal to 20 acres	\$1,279.08
Forest Management Plan -- Written	HU--FMP 21 to 100 acres	\$1,615.68
Forest Management Plan -- Written	HU--FMP 101 to 250 acres	\$2,894.76
Forest Management Plan -- Written	HU--FMP 251 to 500 acres	\$4,173.84
Forest Management Plan -- Written	HU--FMP 501 to 1000 acres	\$4,847.04
Forest Management Plan -- Written	HU--FMP Greater Than 1000 acres	\$6,058.80

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