



The 2019 Washington State Agland Database



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NRSIG



Our Work

- **Parcel Database:** a statewide, normalized, spatially-explicit database of parcel and tax roll data for Washington State.
- **Forestland Database:** integrates the Parcel Database with physical, biological, regulatory, and economic data to identify and attribute all forest parcels and landowners in Washington State.
- **Agland Database:** integrates the Parcel Database with physical, biological, regulatory, and economic data to identify and attribute all agricultural landowners in Washington State.



Background & Funding

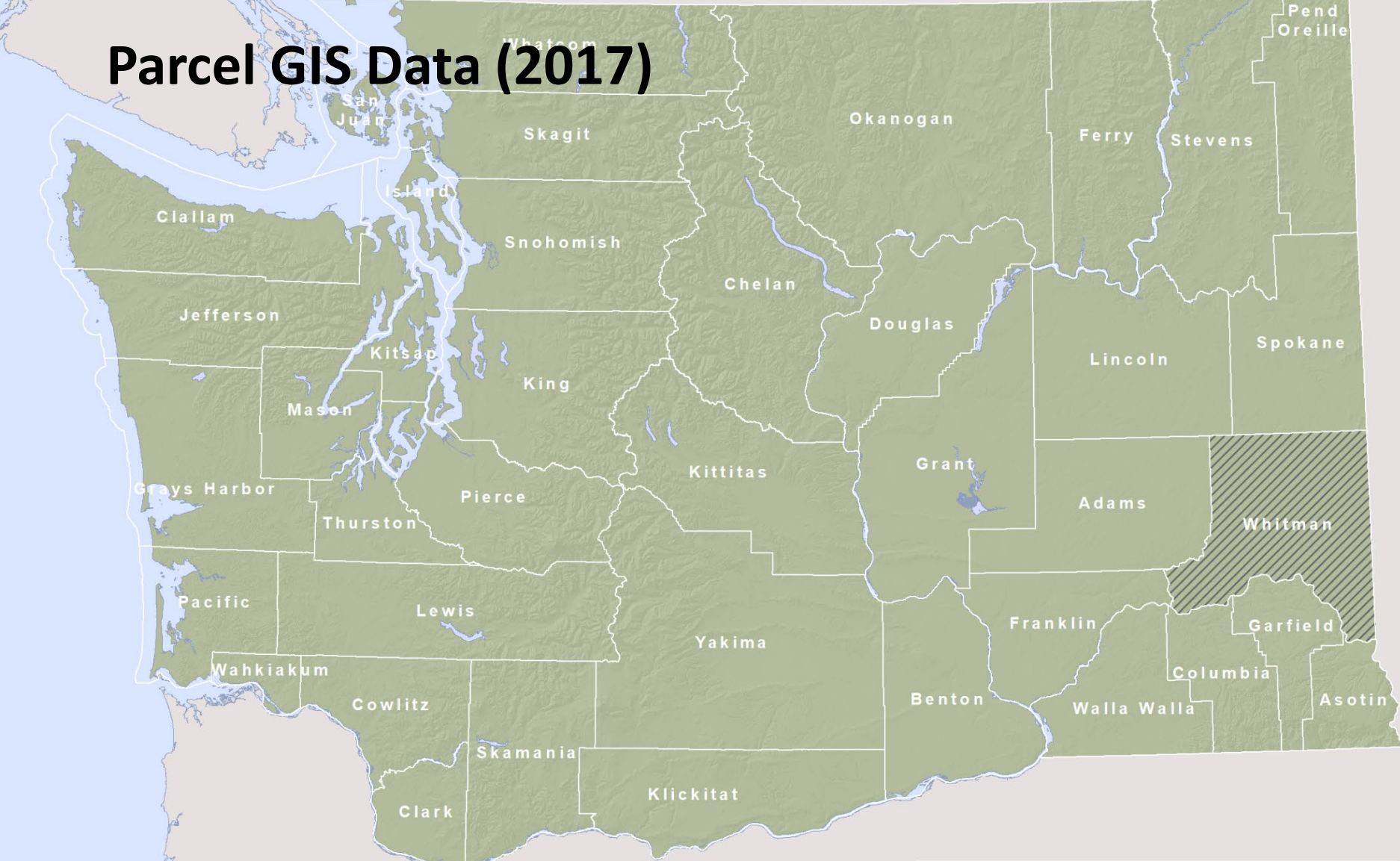
- 1999: Salmon Recovery Act (RCW 76.13.110) required reporting
- 2001: UW developed the first spatially explicit map of family forestlands
- 2001-2007: Various DNR, WDFW contracts
- 2005/2007: Family Forest Foundation and Washington Farm Forestry Association lobbied for and received federal appropriation. Directed to UW.
- 2006: Founded the Parcels Working Group
- 2007: Created the Washington State Parcel Database
- 2009: Created the Washington State Forestland Database
- Five versions have been developed: 2007, 2009, 2010, 2012, and 2019
- An Agland Database has been in discussion since 2015
- Synergy with ESSB 5330 allowed us to create a statewide database instead of just Puget Sound area





Parcels Working Group

- Diverse group of agency personnel meets bi-monthly
- Purpose
 - ...construct a single, regularly updated, statewide parcel dataset...
 - ...reduce the cost, inefficiencies, and redundant efforts of state and federal agencies, as each independently and periodically contacts parcel data originators for current data sets...
 - ...support, where needed, local efforts involved in developing and maintaining parcel data..
 - ...identify and address data distribution concerns...
- **Local**
 - Counties, Washington State Association of County Assessors
- **State**
 - CTED, DOH, OFM, DNR, WDFW, DSHS, WSDOT, DOR, Ecology, IAC, DIS, Secretary of State, DIS-ISB/GIT, EMD, WSP, WSCC, DAHP, LEG
- **Federal**
 - USGS, BLM, FGDC, EPA, USFS, USBR, FEMA, DHS, BPA
- **University**
 - University of Washington

Parcel GIS Data (2017)



	GIS Parcels Available
	Pseudo-Parcel Geometry

WDFW	WA DNR	BLM
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Water Rights Mapping and Research, Everett Smelter 10 Home cleanup, Individual domestic wells, Aiding in mapping of water rights., Parcels data for environmental cleanup sites in Washington State. , Columbia River Water Resource Information System, Water right mapping, Source Control, screening landowners during forest practice application process, Lower Duwamish Source Control, Columbia River Water Management Program, Forest Tax Discovery, Identification of gas station owners in Western Washington, Forest Fire Protection Assessment Whatcom & Skagit County, entering WA state water rights into GIS, Area-Wide Soil Contamination Central Region, historical contamination sources, Water Right Mapping In King County, Washington State Parcel Database, Historic structure inventories, Appraisal of real property for eminent domain acquisition, for State highway right of way., State wide Total Maximum Daily Load Study, WSDOT properties, Parcels for mitigating a wetland site, Pavement Preservation, Identification of contaminant dischargers to Puget Sound Area, Disaster Management, Identify property owners adjacent to WSDOT Right of Way, MTCA "Early Notice" Letters, Identification of underlying property owner where illegal sign is located, Columbia River land use delineation, pacific wood treating, Identification of contaminated sites and ownership, Parcel land use

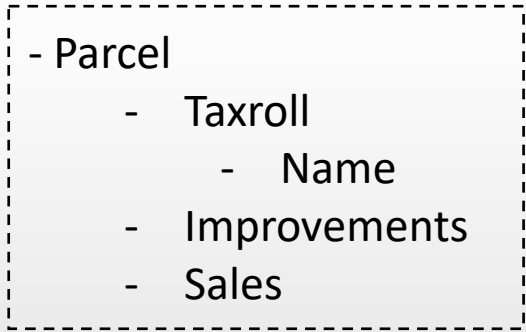
A 2008 survey identified hundreds of projects and programs that relied on parcel and tax roll information. The Washington State Parcel Database has been the foundation of over 240 projects by 59 agencies.

identific SR 90
- Sullivan Hazard
Assessn randomly
selected survey,
Manage e Farm
Location Kitsap
County Solid & Hazardous Waste Program, Hydraulic Violation Investigation, Landscape PHS, On-Site Sewage Treatment System Risk Evaluation, Identification of property owners of potentially contaminated sites, Identification of public lands and boundaries for customer service proposes, fish passage inventory and habitat assessment, Identification of boundaries for public tidelands in Puget Sound, Identification of property owners near streams for habitat restoration projects in Washington State, County Grading Permit Application, Water system consolidation and restructuring, Various Toxic Cleanup Investigations, Identification of landowners in Washington State., Personal Recreation Dock, Snow goose quality hunt, Taneum Water Acquisition, private lands habitat, Cougar spatial and habitat use in relation to human development, Identification of State Owned Aquatic Land In Washington Sate, Thurston County marine shores landslide hazard zone mapping, Mason County marine shores landslide hazard zone mapping, State map geologic mapping project(s), Lincoln County basalt flow stratigraphic characterization, Active state issued water rights in Washington's thirteen eastern counties , Annexations, Small Area Estimate Program (SAEP), Selection and follow-up of wetland mitigation sites, Identification of parcel sizes and zoning for review of subdivision proposals., Identification of adjacent parcel owners in Washington State, Identification of private landowners throughout eastern Washington, Forest Protection Assessment Review, Land tenure and core wildlife habitats in Eastern WA (Region 1), Identification of land holders of abandoned metal mine lands, Mapping of Historical Statewide Water Rights, identification of landowners as part of water rights investigations, Locations of Tribal Interest Lands in Washington State, Tax Code Area map update, Forest Excise Tax Verification, Identification of homes with possible lead contamination, Urban Growth Areas for Growth Management, OFM-City annexation census support, Non-federal ownership in Washington, Identification of parcel information within the NSC footprint., WSDOT Local Program Roadway Projects, Parcel Ownership, Wildlife Habitat Linkage Zone identification, Identification of properties with potential for wetland mitigation, Identifying owners adjacent to the highway, Identifying property owners and property boundaries for parcels impacted by WSDOT road expansion/improvements., Access Management, Identification of property and property owners within the state of Washington, Identification of parcel owners in North Central Region, Identification of forest research sites, Identification of stream landowners in Washington State, Washington Statewide Parcel, SW Region Wetland Mitigation Site Selection, Section 106 Project Area Maps, Identification of family forest landowners in Washington State, Buying highway right of way, Jefferson/Clallam county forest fire protection assessment, Identify nearby property owners, Flood Plain Determinations, Identification of Schools and Childcares for the Soil Safety Program, Integrated Project Review and Mitigation Tools Initiative, DOH Standard Geocoding Process, Adult Health Survey, Washington Location Finder, Development Proposals, ID of private landowners involved in wildlife recovery projects, Species of concern data management and planning, Identify ownership of tidelands, ID landowners in Washington state, Northwest Region Leaking Underground Storage Tank sites, Washington Department Fish & Wildlife - District Wildlife Biologist usage of parcel data, overlay of bald eagle nest locations with individual property owners, Identification of owners of critical habitat, Identification of ownership of potential wildlife area acquisitions, Geocode potential risks for registered sex offenders. Analyze forest conversion risk. Farmland preservation

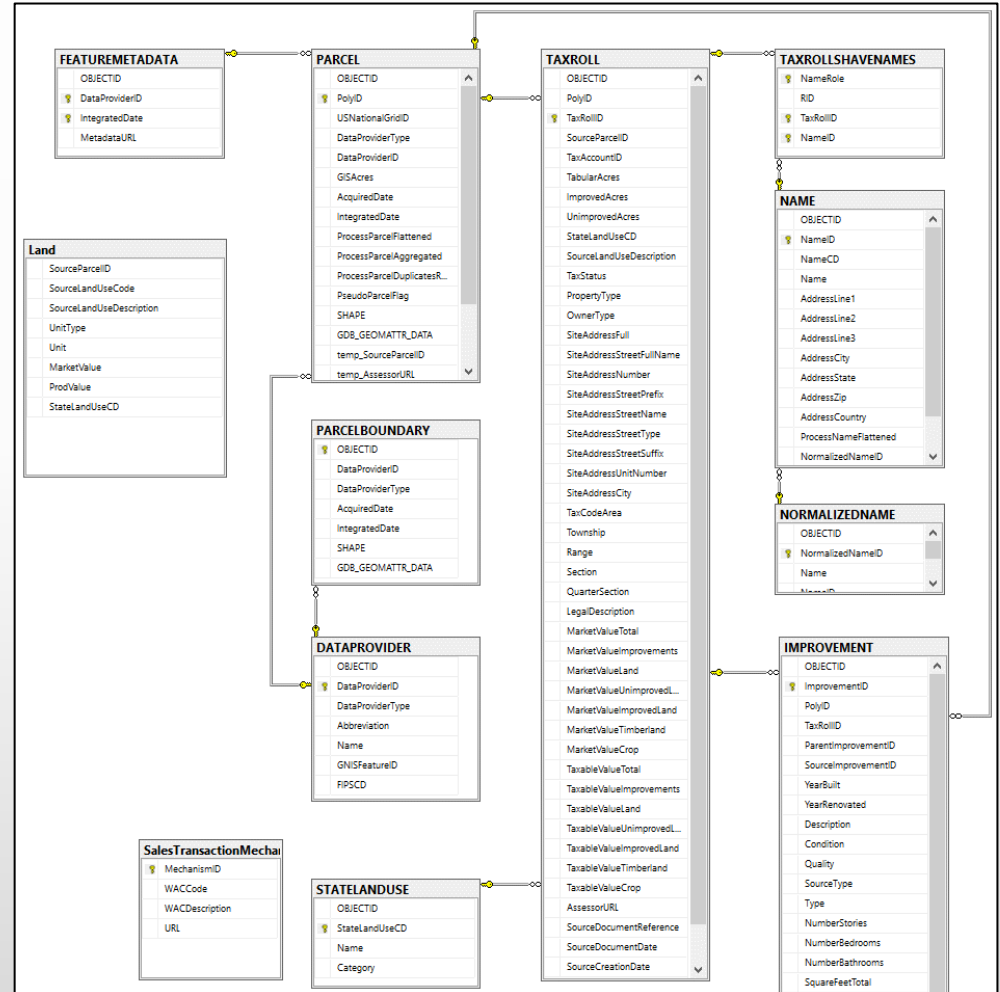


Parcel Database

- It's not a flat attribute table!
- Microsoft SQL Server Relational Database
- Geospatial Database



- Includes more than just the most recent record
- One-to-many relationship for:
 - Parcel to Taxroll,
 - Improvement, and Sales
 - Taxroll to Name





Methods - Parcel Database

- Parcel boundary and tax roll data was collected from each county in Fall 2019
- Parcel data also acquired from Forest Service, BLM, WA DNR, WDFW
- Data Normalization
 - Parcel geometry is deduplicated/aggregated
 - A common set of attributes is identified
 - Original data is retained and process is documented
- Normalize name across counties
 - Fuzzy matching = not perfect!
- Owner class is assigned using comprehensive name lists

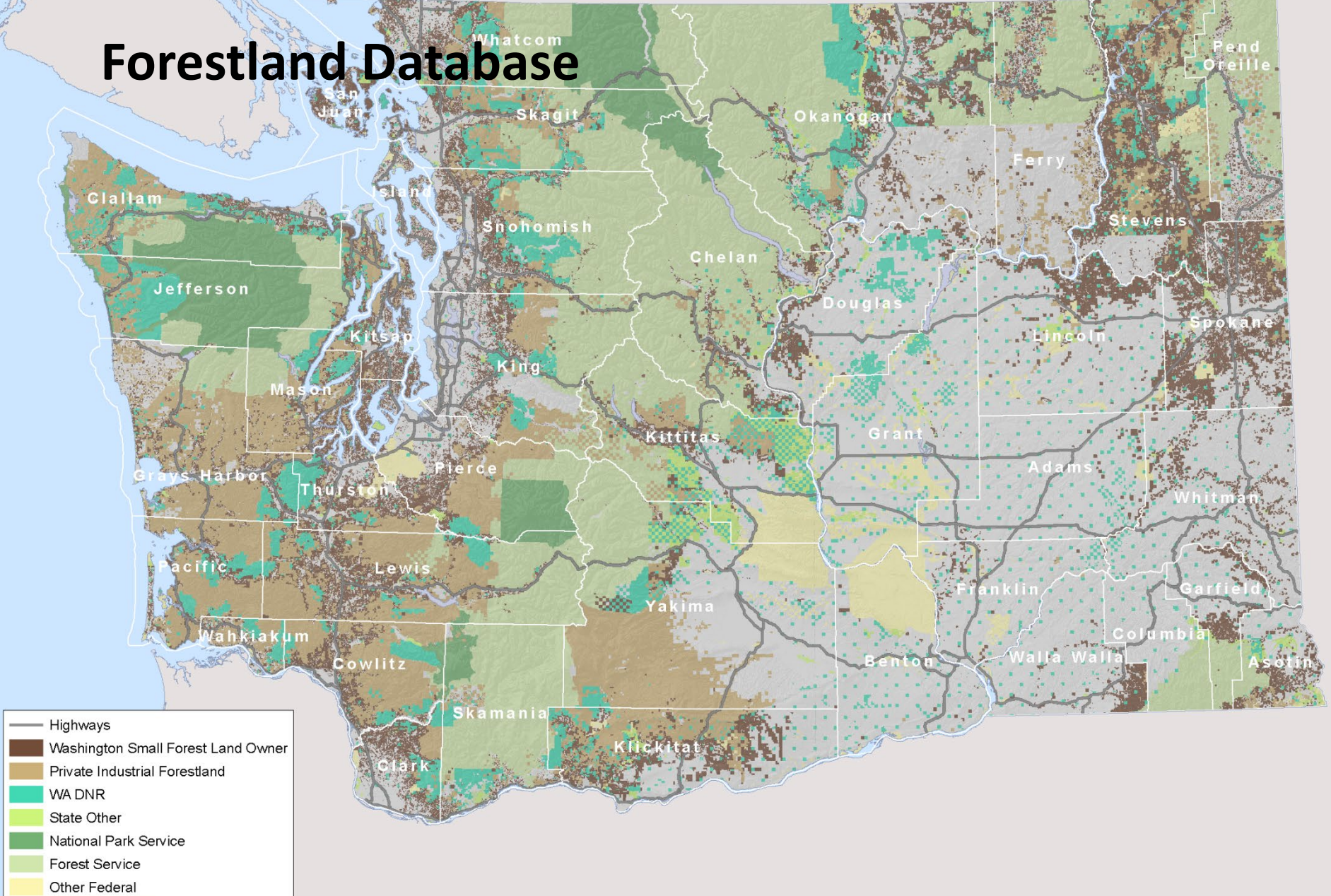
Parcel Data Is:

- Owner Name(s)
- Site Address
- Mailing Address
- Location
- Dimensions
- Land Use
- Value
- Tenure

Owner classes:

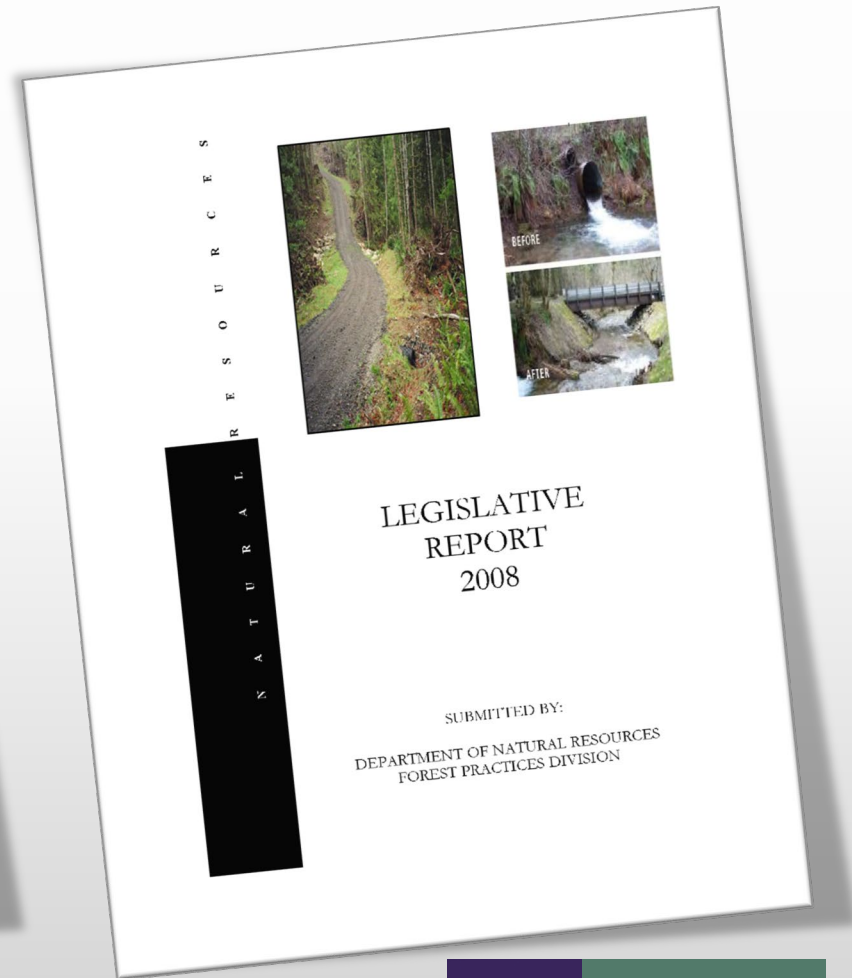
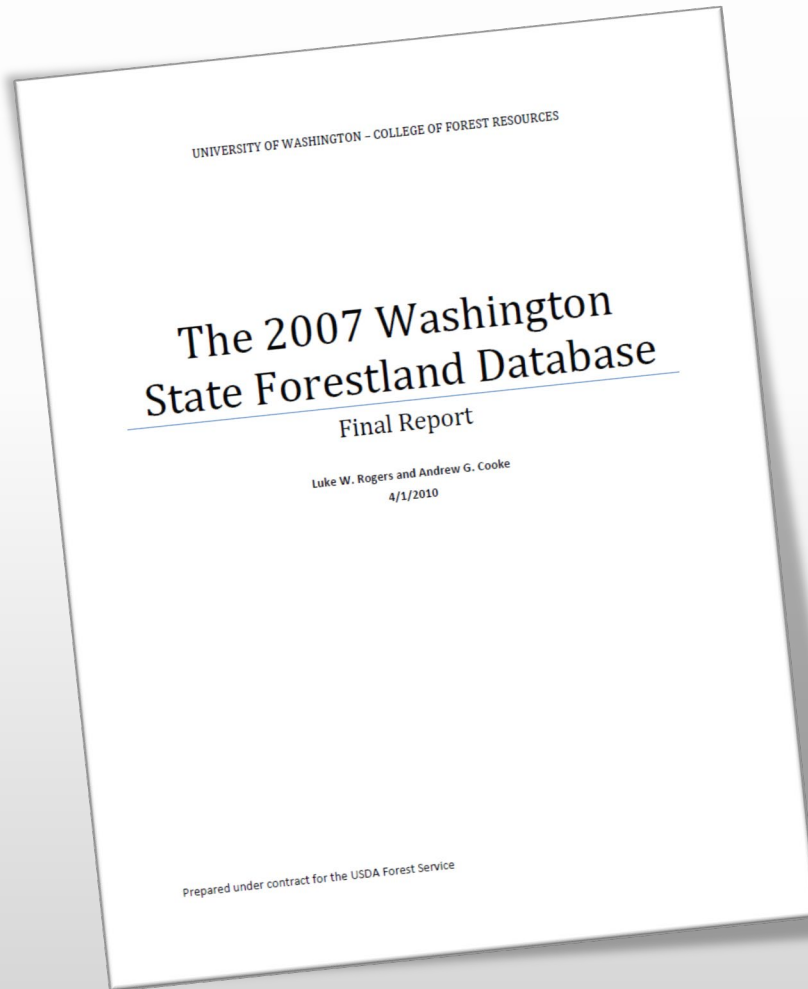
- Private
- Municipal
- Tribal
- State
- Federal

Forestland Database

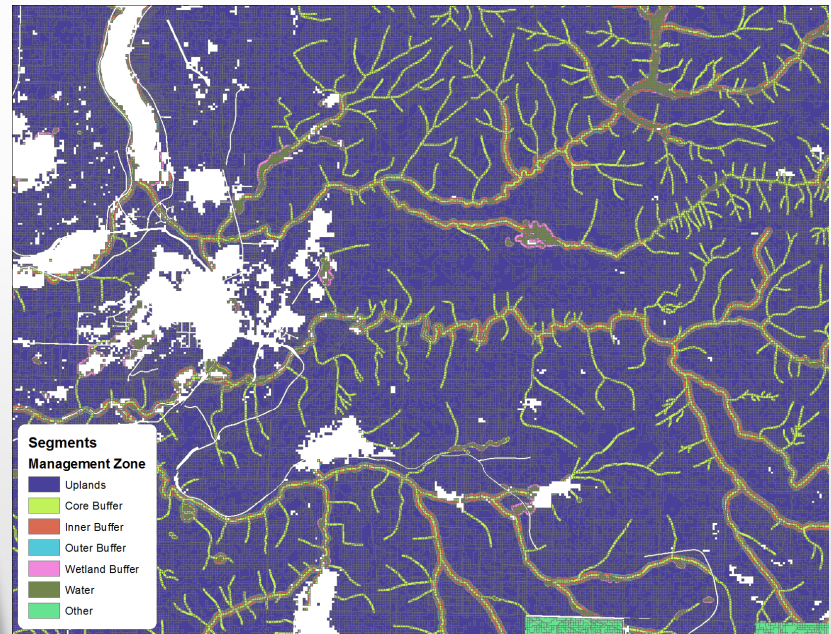


- Highways
- Washington Small Forest Land Owner
- Private Industrial Forestland
- WA DNR
- State Other
- National Park Service
- Forest Service
- Other Federal

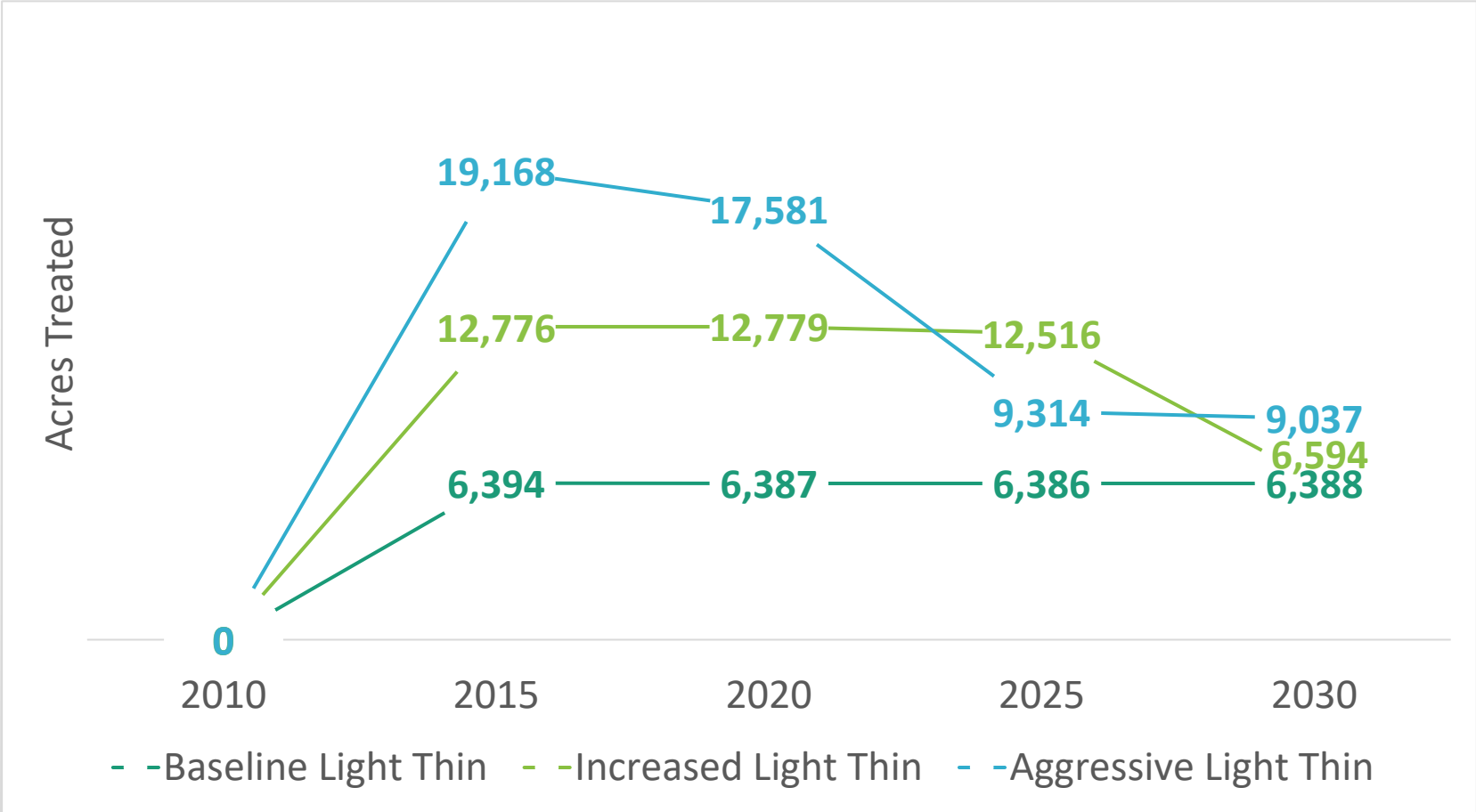
Forestland Database



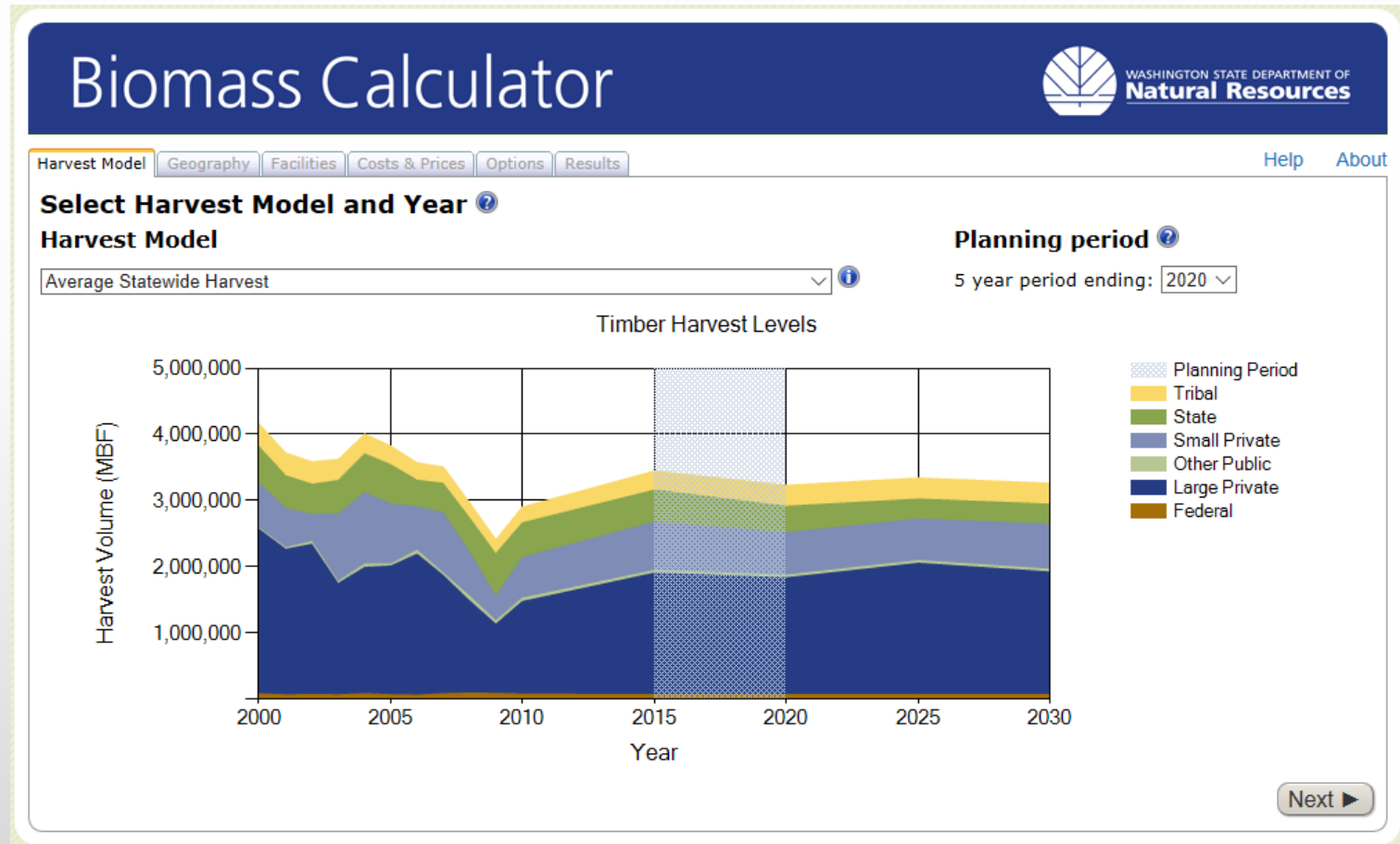
Biomass Assessment



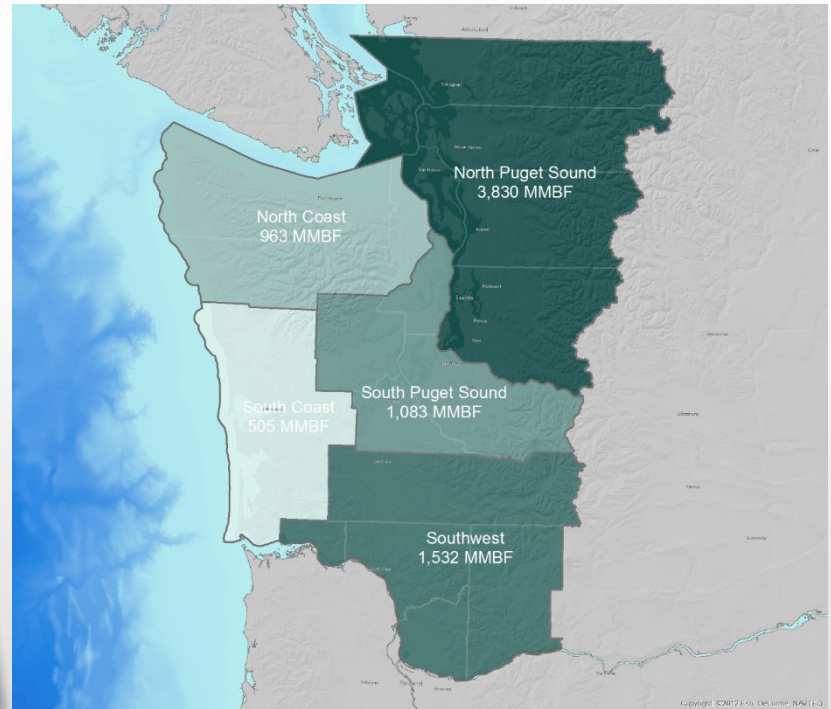
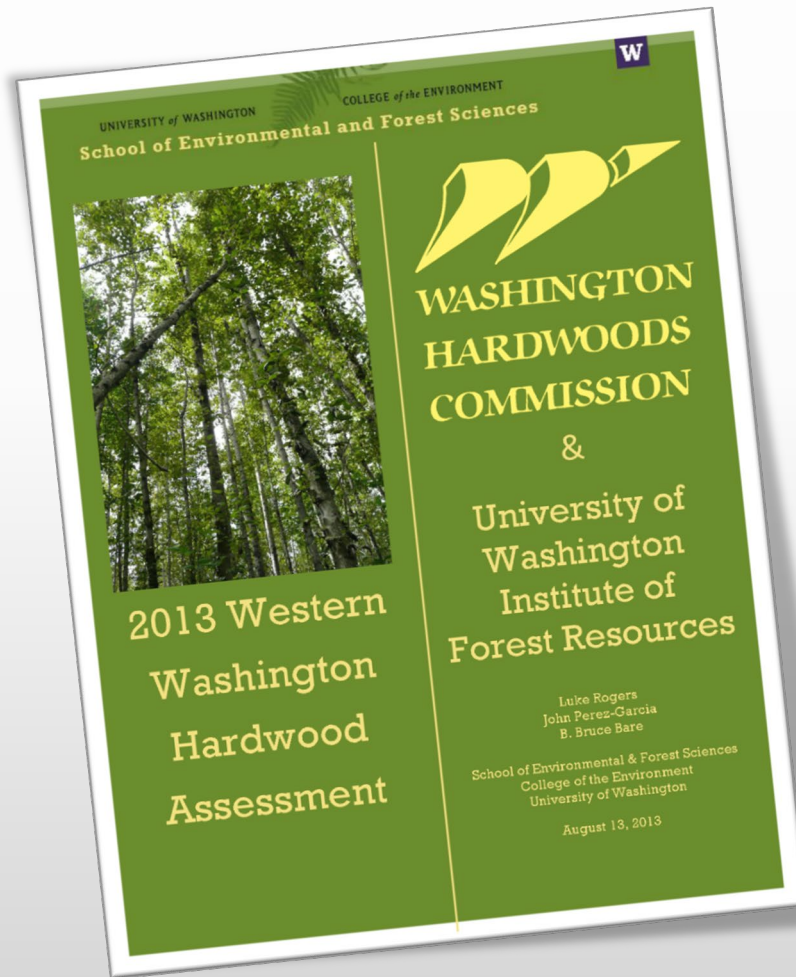
Forest Health Treatments



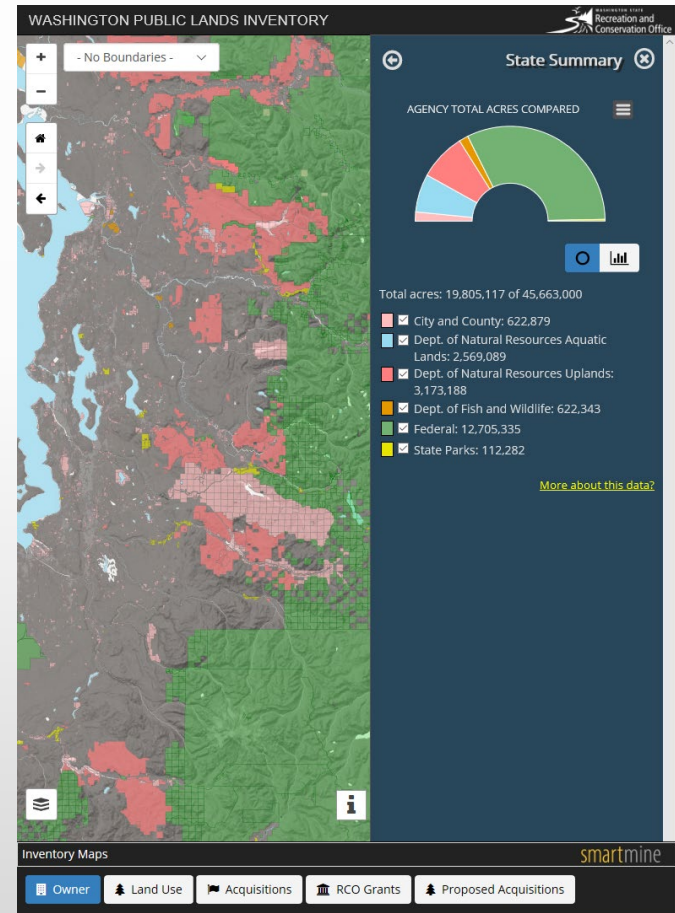
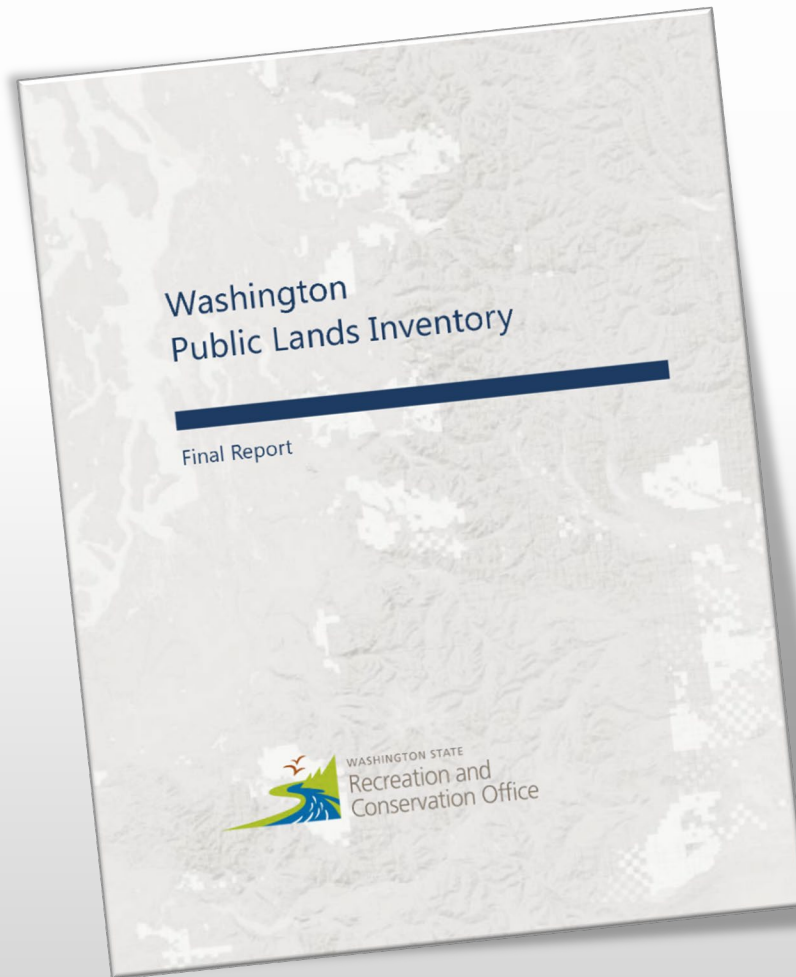
Biomass Calculator



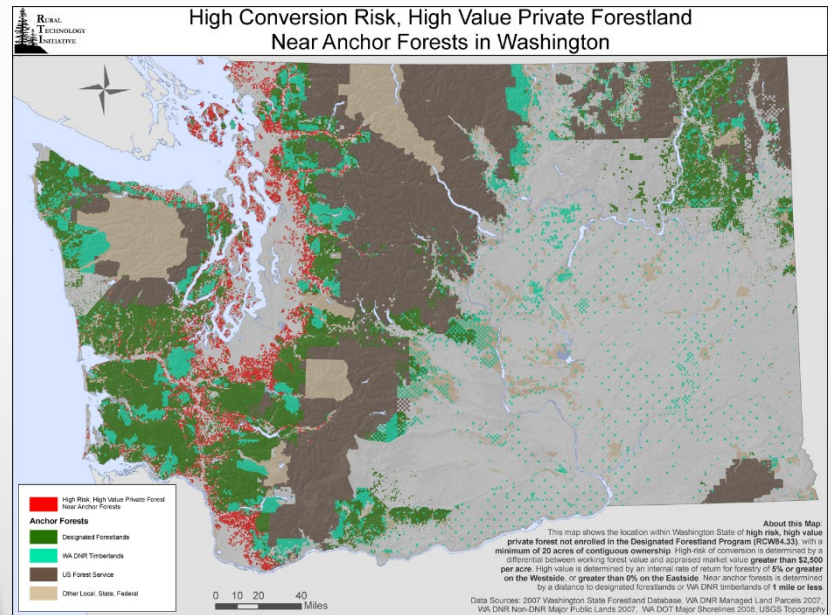
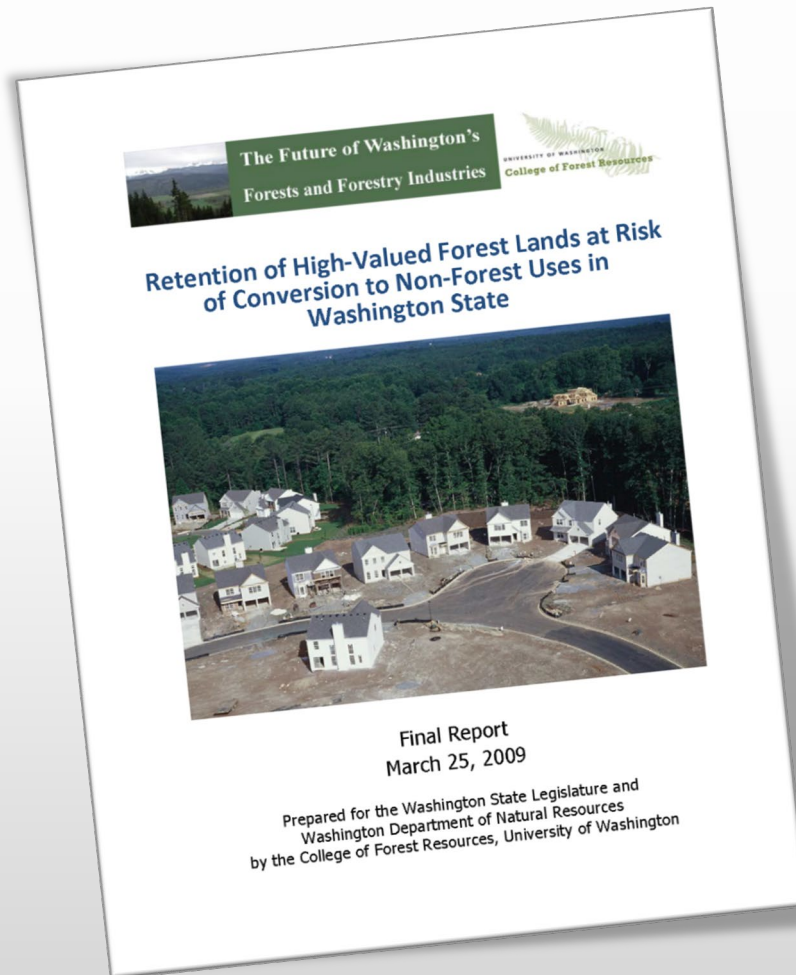
Hardwood Inventory



Public Lands Inventory



Strategic Forest Retention



Advanced Hardwood Biofuels NW

Advanced **Hardwood Biofuels** Northwest

ABOUT PROJECTS AUDIENCES NEWS AND EVENTS RESOURCES COLLABORATORS

AHB Feedstock

The AHB Feedstock team is investigating how to produce renewable and readily available hardwood feedstocks for biofuel and biochemical industries in the Pacific Northwest.

AHB Feedstock

- AHB Conversion
- AHB Sustainability
- AHB Education
- AHB Extension

AHB Advanced Hardwood Biofuels Northwest (AHB) is researching and developing ways to grow and convert hybrid poplars into bio-based chemicals and liquid biofuels.

INFORMATION for Policy Makers | INFORMATION for Environmental Professionals | INFORMATION for Educators k-12 | INFORMACIÓN En español | INFORMATION for Extension Professionals

Resources

PUBLICATIONS This page brings together the academic publications from all aspects of AHB.

Featured News

Upcoming Events There are no upcoming events at this time.

Tweet of the Week

Hardwood Biofuels
The winter newsletter is out! Learn about pollutant-fighting microbes (@DolyLab), bioenergy carnivals, biomass sh... <https://t.co/CKMUVJw4eh> 04:07:34 AM February 06, 2018 from Twitter Web Client Reply/Retweet/Favorite @ahb_nw

Advanced **Hardwood Biofuels** Northwest

Parcel Viewer

Suitability Models | © 2015-2018 University of Washington | Terms and Conditions of Use | Online Privacy Statement

Switch Basemap

Layers

Legend

Query

Select a query type and click on the map.

Query Type

- Identify an Individual Parcel
- Make a List of Parcels

Parcel: 419000034720

Suitability Class	Suitable without irrigation
Suitability Score without Irrigation	61
Suitability Score with Irrigation	94
Water Availability Score	29
Parcel Acres	207.6
Permanently Not Suitable Acres	16.2
Highly Suitable Acres without Irrigation	0
Moderately Suitable Acres without Irrigation	126.8
Marginally Suitable Acres without Irrigation	64.6

Query Results

Waste to Wisdom

"UTILIZING FOREST RESIDUES FOR THE PRODUCTION OF BIOENERGY AND BIO-BASED PRODUCTS."

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SUSTAINABILITY ANALYSIS

Economic Feasibility

The Sustainability Analysis team will evaluate the economic feasibility of the three biomass conversion technologies developed in the Biomass Conversion Technology technical area that will use the biomass feedstocks developed in the Feedstock Development technical area, including the costs and benefits of storing carbon on forest sites under carbon cap and trade regulations.

Economic and Social Impacts

We will evaluate the economic and social impacts of implementing the proposed conversion technologies with an emphasis on rural communities, including an estimation of the avoided costs achieved by using forest residues to produce bioenergy products.

Ecological Sustainability

We will determine the ecological sustainability of the three conversion technologies, focusing on forest soils (including carbon storage and nutrient cycling), forest productivity, water quality and air quality.

Life Cycle Assessment

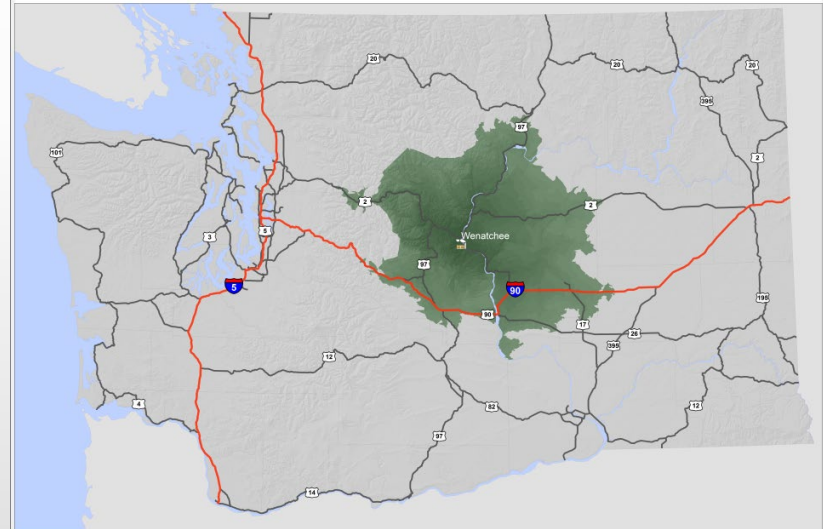
We will conduct a life cycle impact assessment for the three conversion technologies including a cradle-to-grave life cycle inventory for each of the individual systems.

Educating and Involving Stakeholders

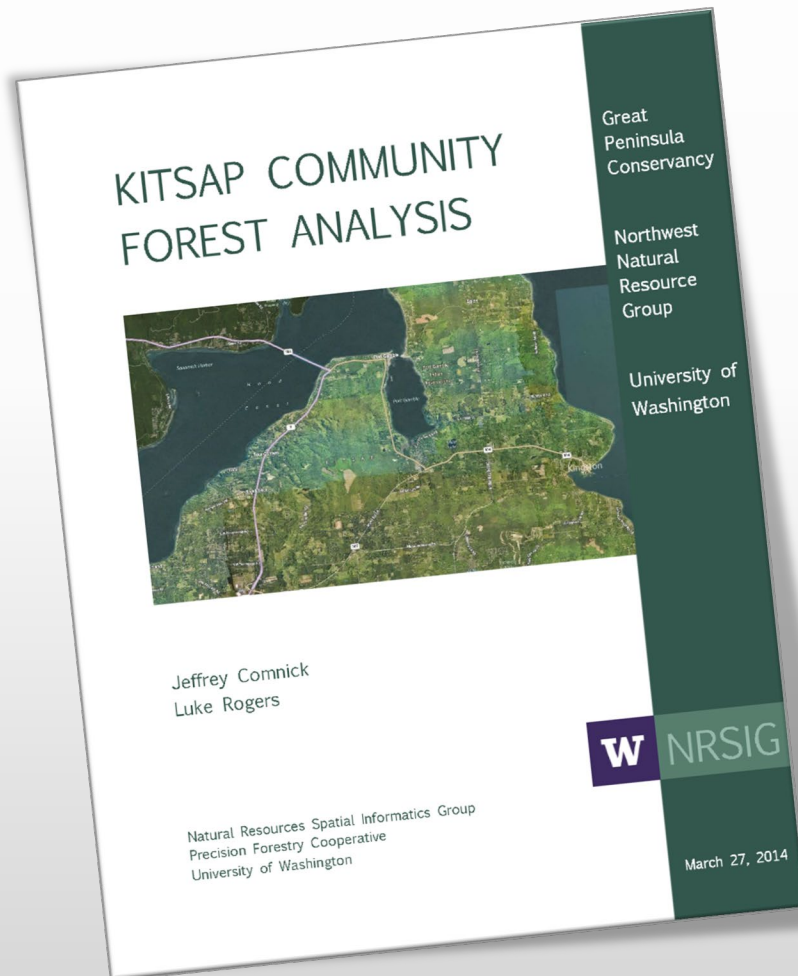
Involve community stakeholders and other interested parties in the initial development phase of the project to identify and incorporate stakeholder concerns in the project design and implementation and effectively communicate project results and information to these groups to encourage the adoption of the biomass conversion technologies.

[Learn more about sustainability analysis](#) →

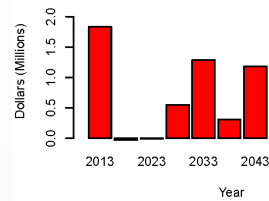
Wenatchee Transportation Analysis 2 Hour Drive Time Service Area



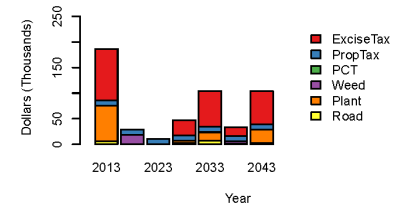
Port Gamble Forest



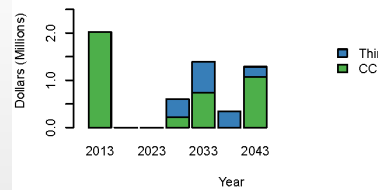
Value (Millions of Dollars)



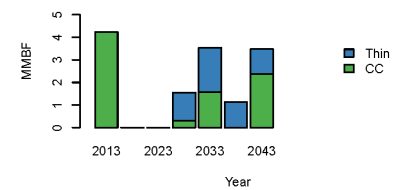
Management Costs



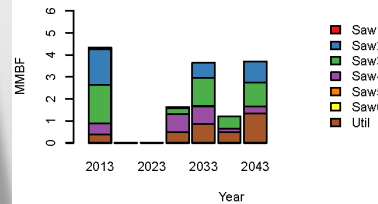
Value By Harvest Type



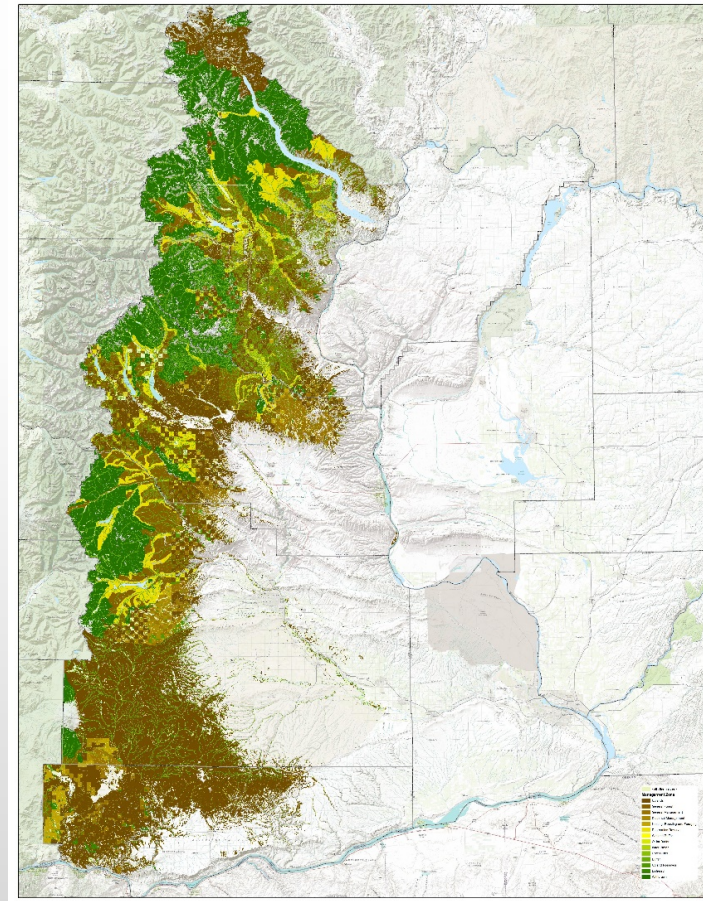
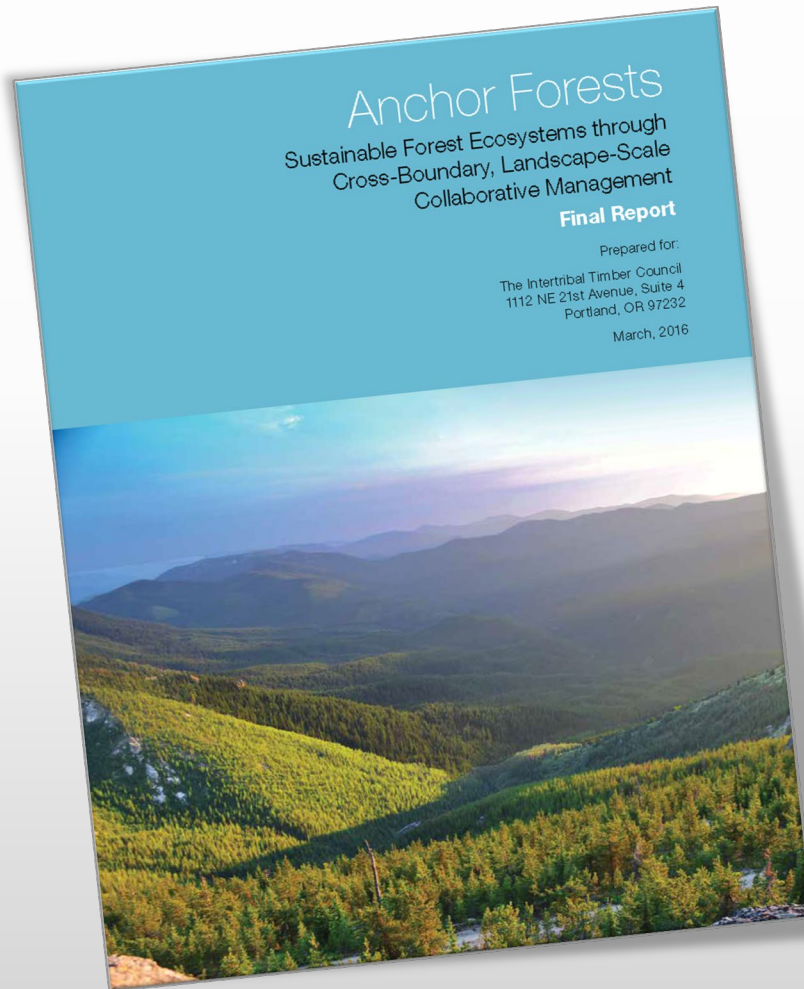
Board Foot Volume By Harvest Type



Harvest Volume (MMBF)

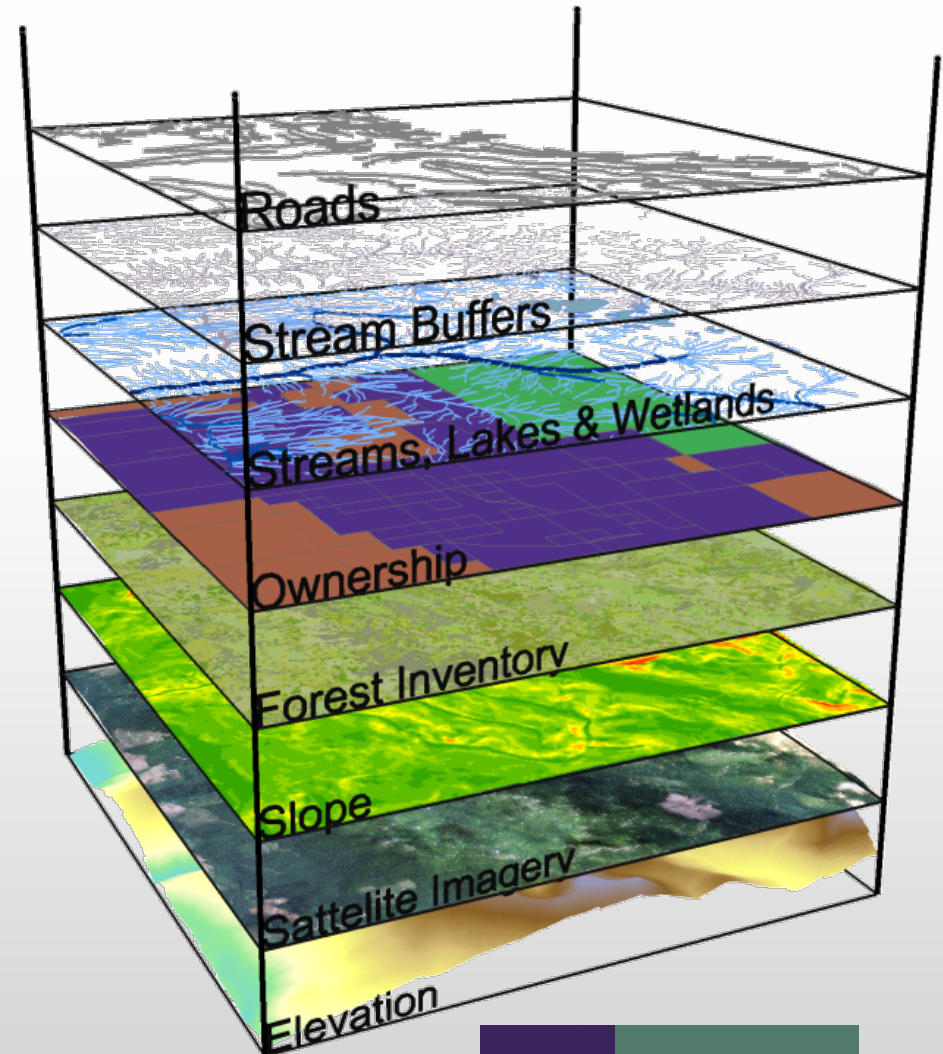


Anchor Forests



Methods - Agland Database

- Parcel flattening
 - A single parcel was selected where overlapping occurred from multiple data providers (county, state, federal)
- Intersect with agricultural layers
 - USDA NASS
 - WSDA Agricultural Land Use
- Intersect with stream and water buffers (from Forestland)
- Identify Ag parcels by:
 - Land Use Code 81, 82, or 83
 - OR Parcels with ≥ 1 acres of cultivated area by WSDA Cropland Layer
- Divides ag land into ~ 12.4 M segments





Methods - Agland Database

Owner Class

WSDA

NASS

Buffer

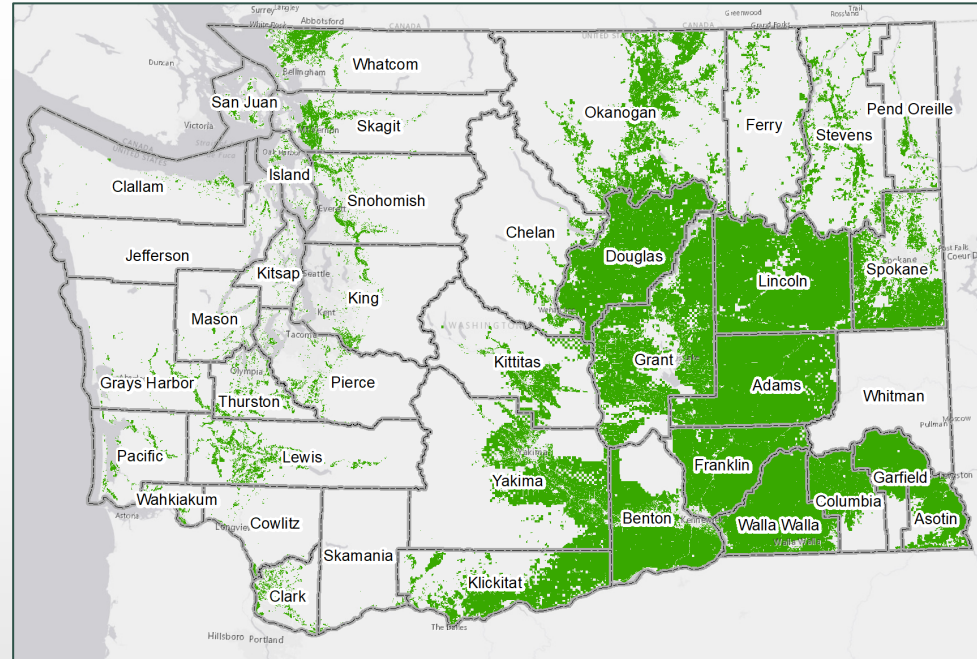


Methods – Agland Database

- Additional Attributes:
 - Half State, County, WRIA, WAU, Legislative District, Congressional District
 - Acres: Parcel, Tract, Name, Farmed
 - Land Use Code, Zoning, and Housing Density
 - Acres by Crop Group (WSDA and NASS) and Irrigation Type (WSDA)
 - Stream Length by type and Acres by riparian zone
 - Road Length
 - Proximity to Development, Urban Growth Area, Roads, and Forest Service
 - Most Recent Sale and/or Inherited Date
 - Market Value of Land, Crop, and Improvements
 - Taxable Value of Land
 - Tax Benefit (Market Value Per Acre - Taxable Value Per Acre)

Results – Agland in 2019

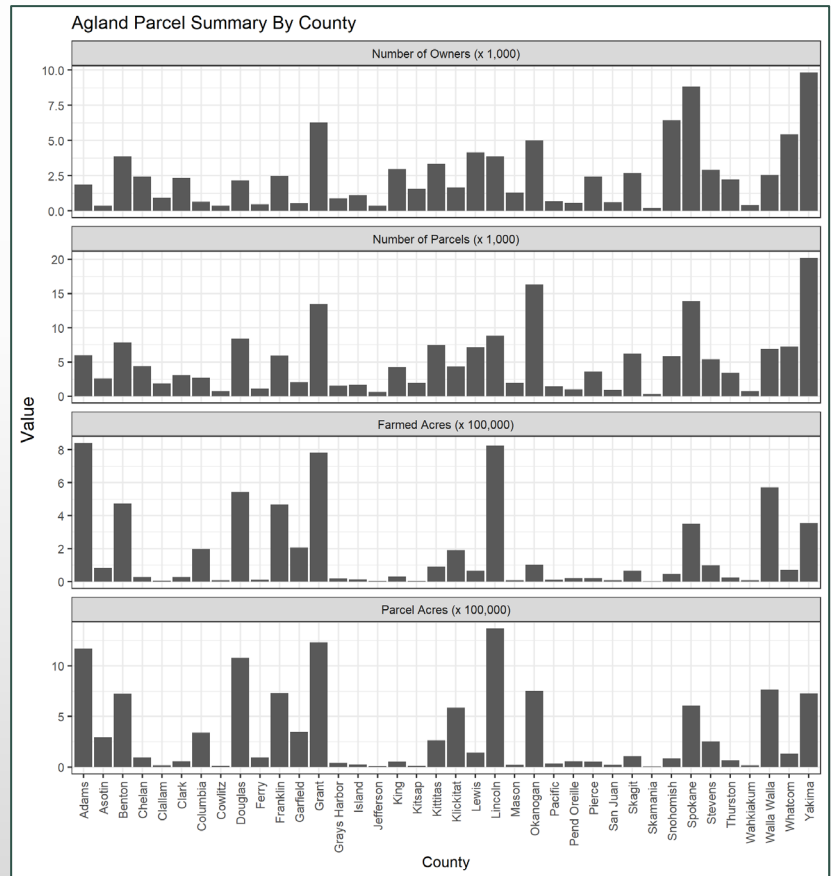
- 193,000 parcels
- 12.4 million parcel acres (28%)
- 6.7 million cultivated acres
- 92,000 owners
- Avg Parcel Acres: 55.0
- Avg Tract Acres: 327.3
- Avg Name Acres: 1,069.4



Results – By Half State (2019)

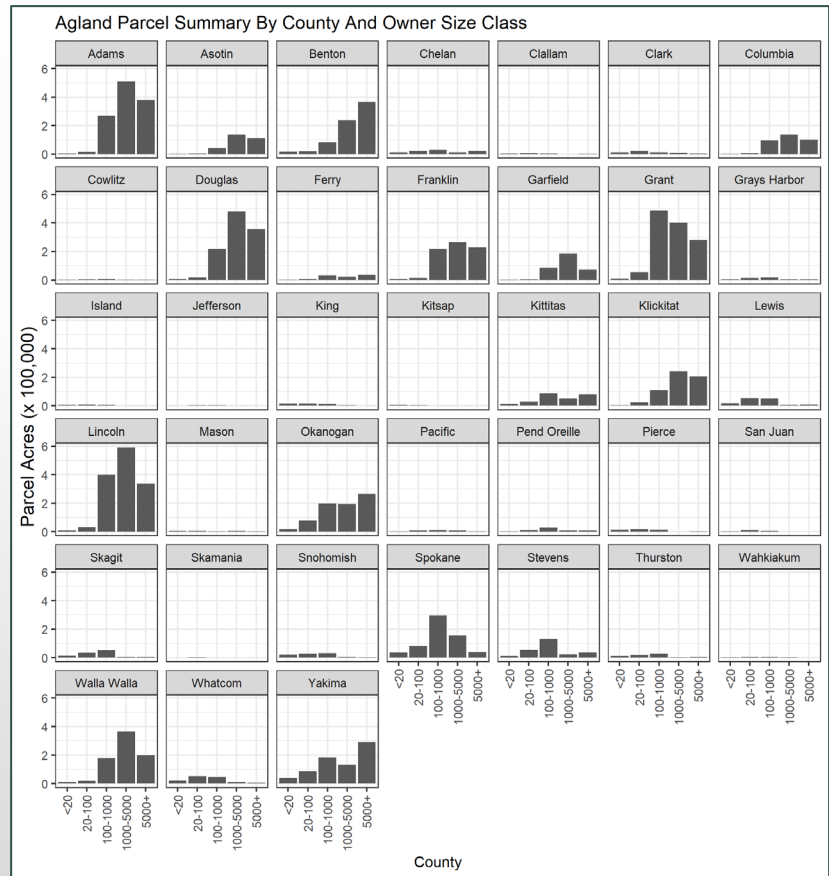
- Western Washington:
 - 36,000 owners
 - 54,000 parcels
 - 909,000 parcel acres
- Eastern Washington:
 - 57,000 owners
 - 139,000 parcels
 - 11.5M parcel acres

Avg. Acres	Western WA	Eastern WA
Parcel	15.0	68.5
Tract	37.9	396.7
Owner	86.0	1278.7

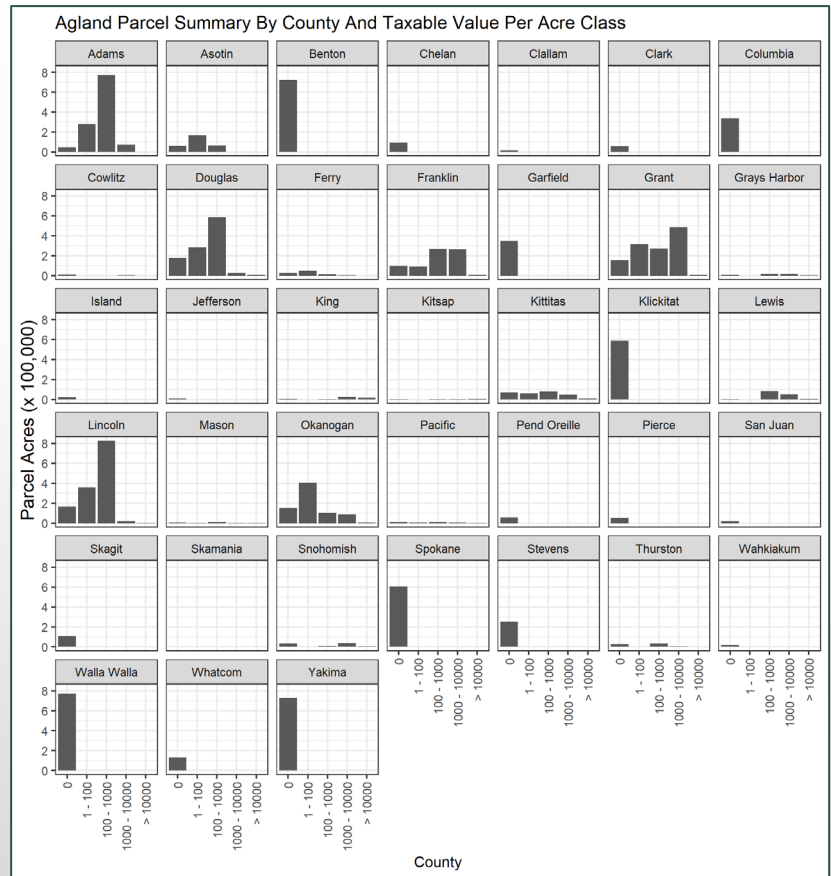
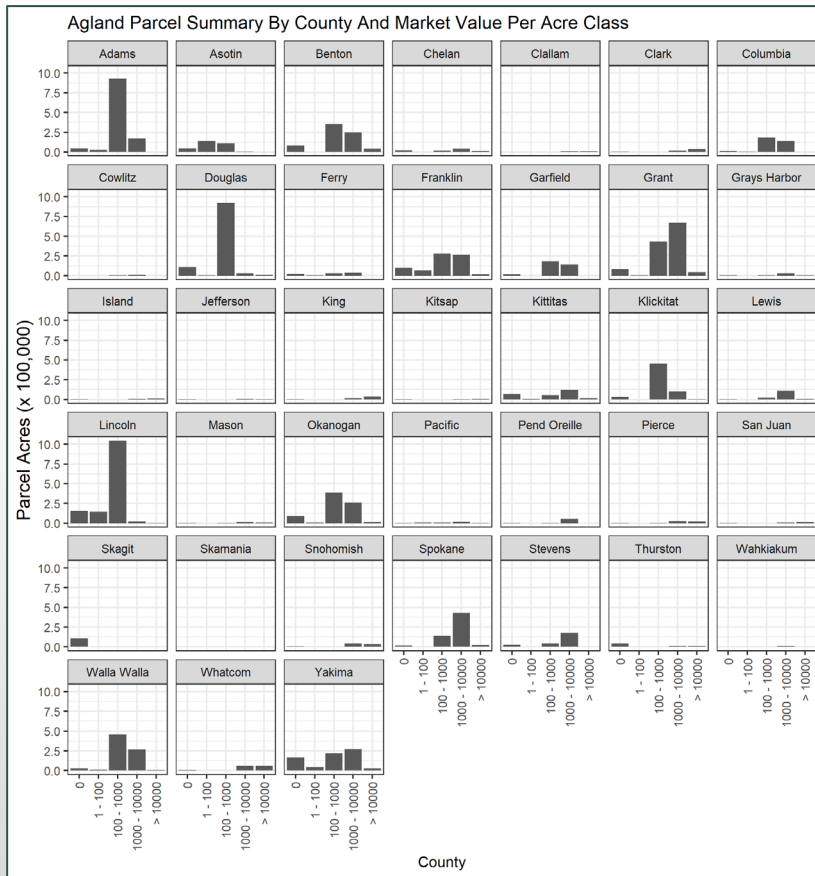


Results – By Owner Size Class (2019)

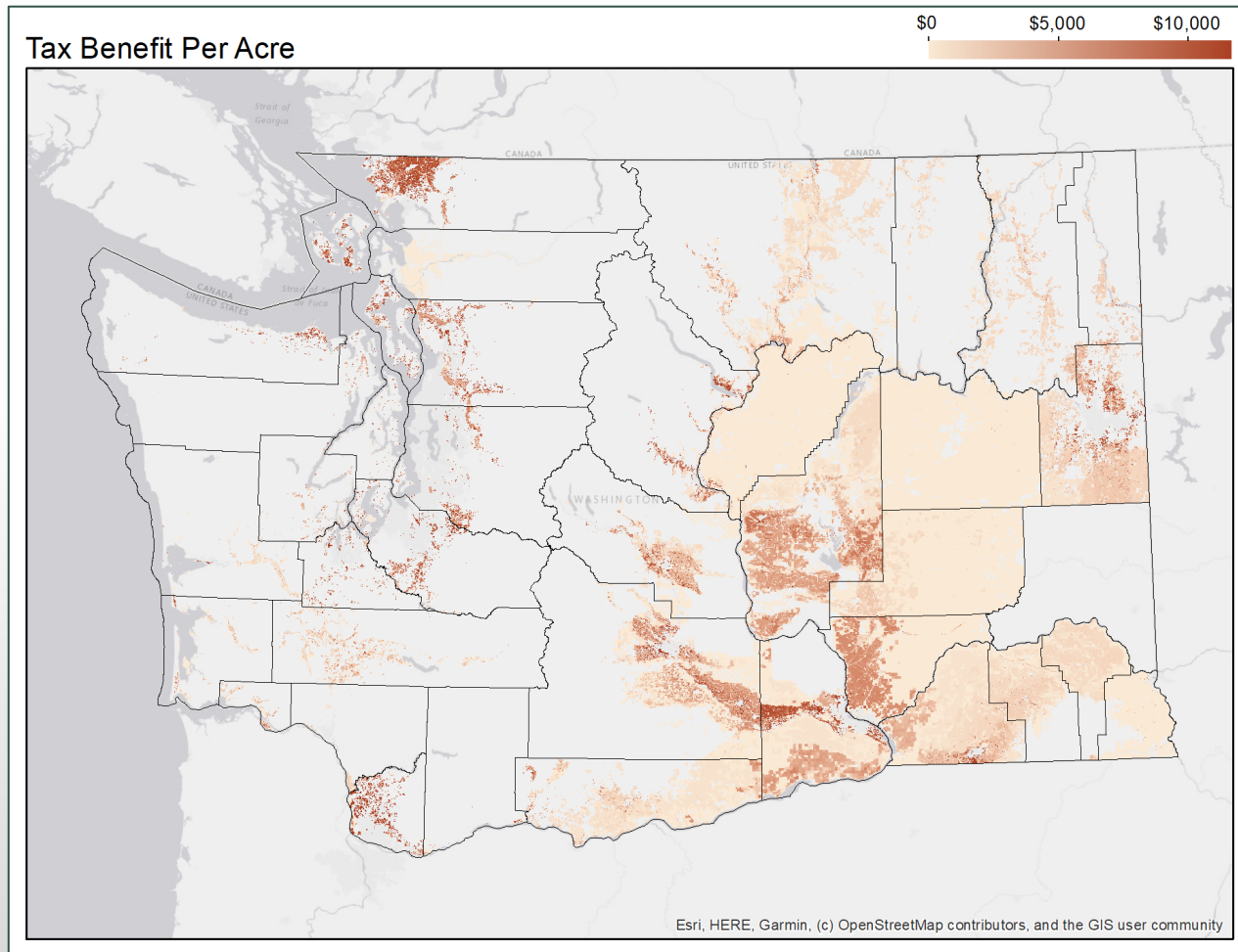
- Smallest size class (<20 acres):
 - 56% of owners
 - 2.9% of parcel acres
- Two largest size classes (1000-5000 acres, 5000+ acres):
 - 3.5% of owners
 - 62% of parcel acres



Results - Value (2019)

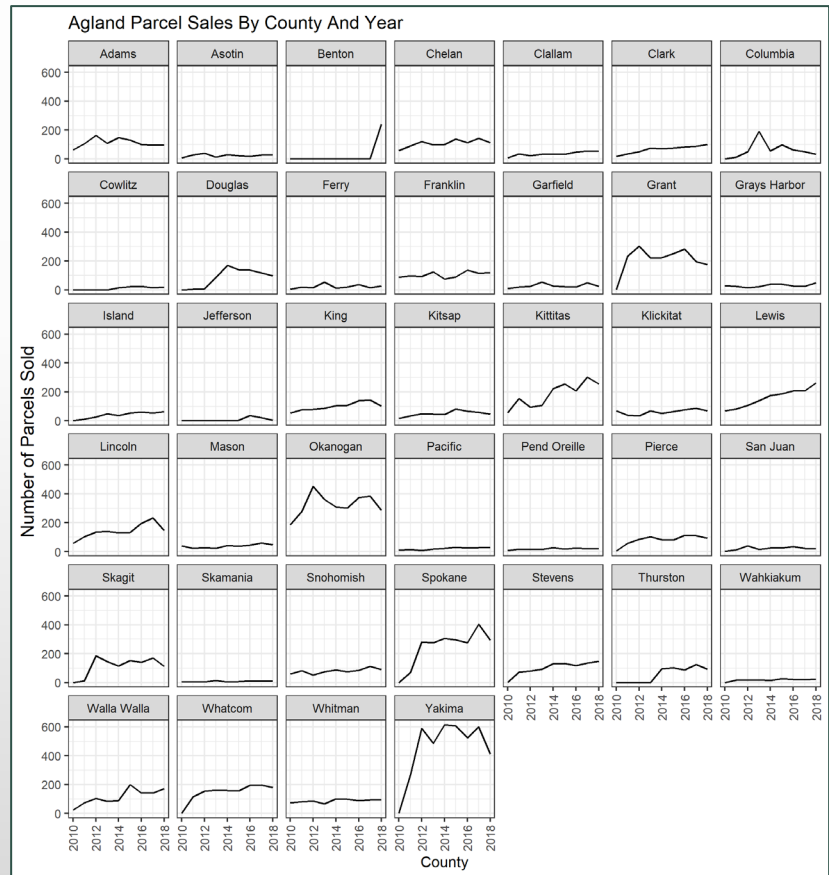


Results – Tax Benefit (\$/Acre) (2019)



Results - Sales (2019)

- Increasing sales in Clark, Kittitas, Lewis, Spokane, Stevens, Walla Walla, Whatcom (?)
- High sales (>200 annually) in Grant, Okanogan, Spokane, Yakima
- Sales data generally exists after 2010, some counties go back farther





Methods – Agland Database 2007

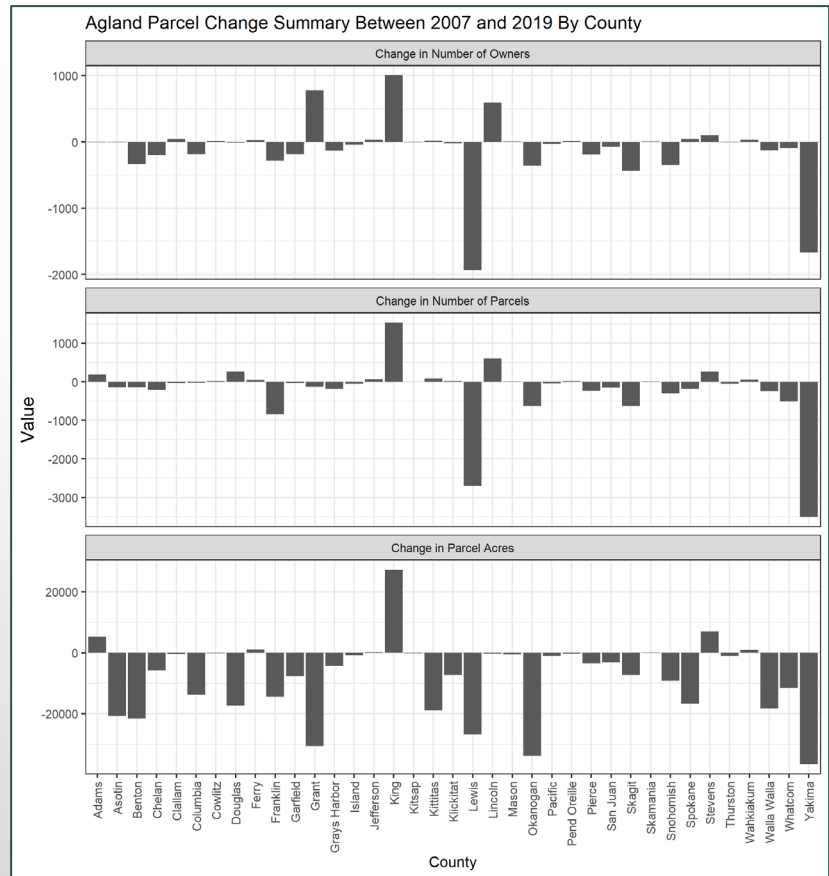
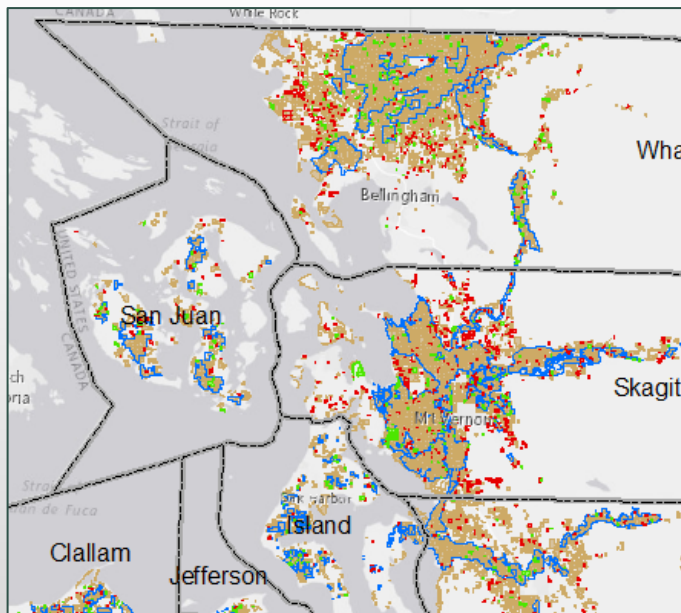
- Using previous versions of the Parcel Database, the first spatial data was identified for each county (generally 2007; as late as 2012)
- The 2007 version of the Agland Database was developed
 - NASS Cropland but no WSDA Cropland
- 2007 and 2019 versions were unioned; parcels with at least 30% overlap were assumed to be related for the purpose of identifying parcels that transitioned out of or into Agland
- Basis for change analysis

Results - Change between 2007 and 2019

- WSDA layer was not available for 2007
- We restricted change analysis to Agland parcels identified by land use code
- We did not normalized names in 2007
- We compared non-normalized names in 2007 and 2019 (so 2019 owner numbers are slightly different and less accurate)
- 10.3M of 12.4M parcels acres from 2019
- 120,000 of 193,000 parcels from 2019
- 49,500 owners of 92,000 from 2019

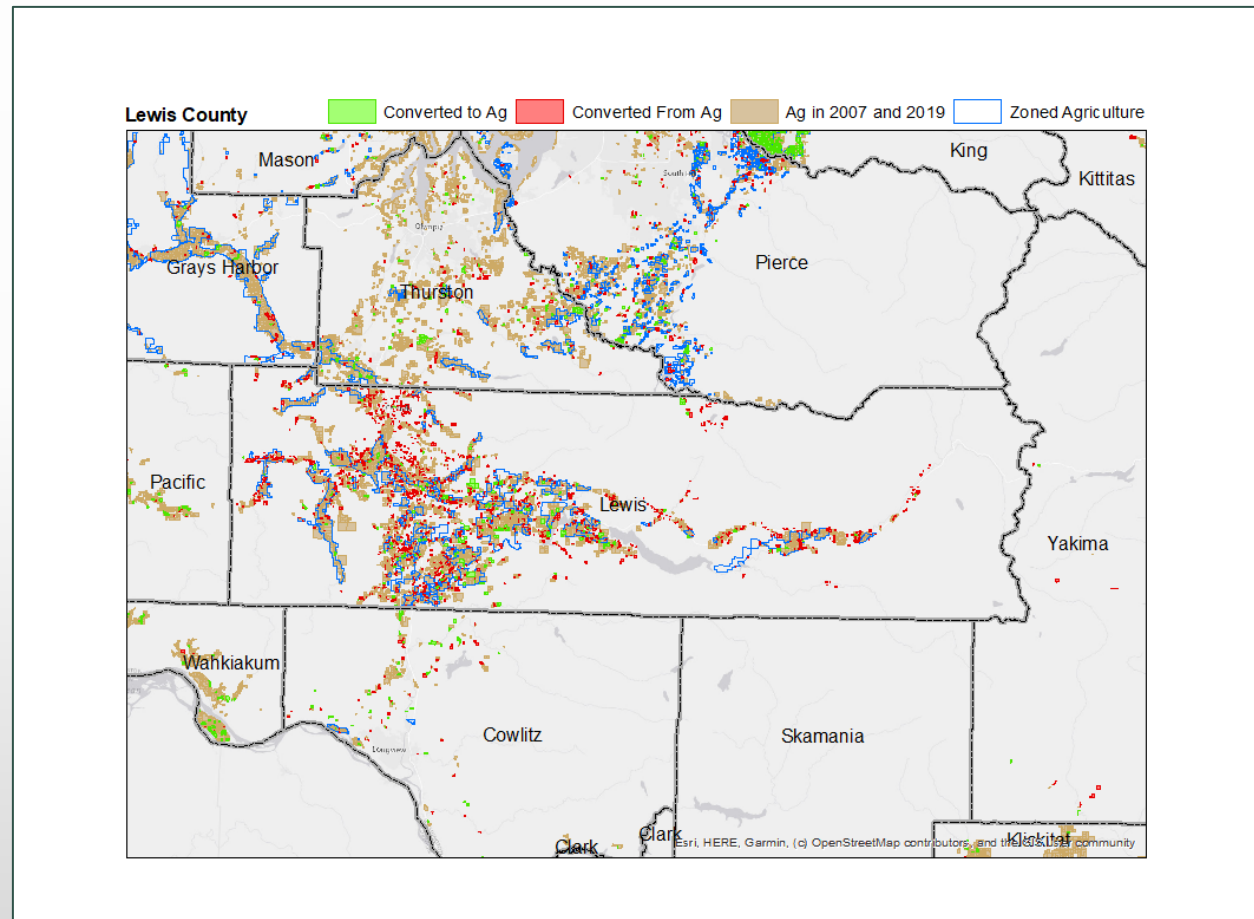
Results - Change between 2007 and 2019

- Parcels declined by 7,800
- Parcel acres declined by 292,000
- Owners declined by 4,000



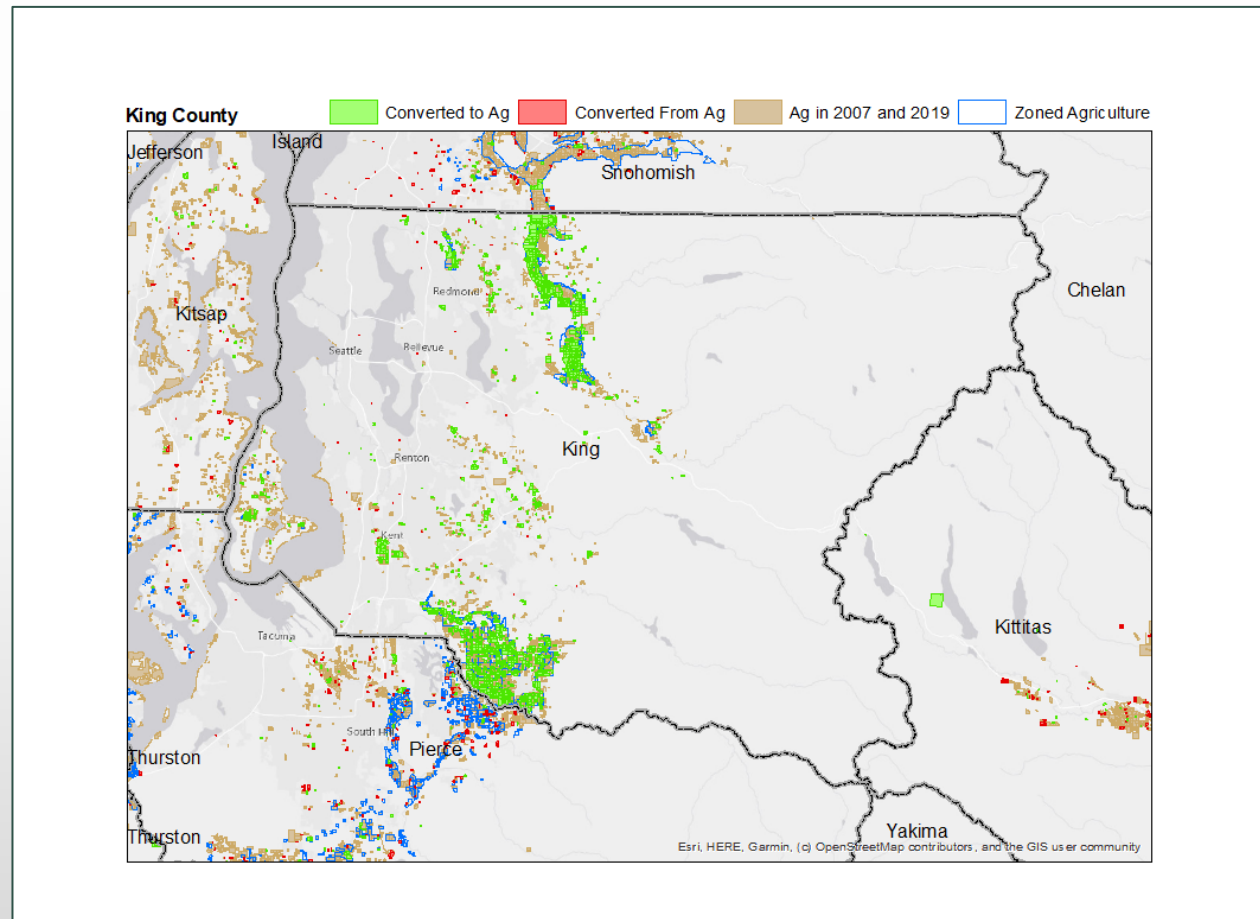
Results – Change in Lewis County

- Parcels: -2,700
- Acres: -27,000
- Owners: -1,930



Results – Change in King County

- Parcels: +1,500
- Acres: +29,000
- Owners: +1,000



PSAA Fact Sheet

Agricultural land in Puget Sound Action Areas: results from the 2019 Washington State Agland Database

Natural Resource Spatial Informatics Group
Precision Forestry Cooperative
School of Environmental and Forest Sciences
University of Washington

Project Information:
www.nrsig.org
www.nrsig.org/projects/parcels
www.nrsig.org/projects/washington-state-agland-database

Introduction

A new spatial database of agricultural parcels in Washington state has been developed¹. The database provides a census of all agricultural parcels in 2019² and enables parcel-level change analysis between 2007³ and 2019. Parcels located in Puget Sound Action Areas are summarized here. Each parcel is attributed with:

- **Owner class** (private, tribal, municipal, state, or federal)
- **Owner name and contact information** (contact us)
- **Acres** (parcel, tract, farmed, and owner total)
- **Crop type**
- **Length of roads and streams**
- **Zoning and housing density**
- **Watershed** (WRIA and WAU)
- **Location** (county, congressional district, legislative district)
- **Proximity to development and urban growth area**
- **Market and taxable value** (land and improvements)
- **Most Recent Sales**



Map 1. Puget Sound Action Areas.

Methods: The Washington State Parcel Database

The Agland Database is based on the updated Washington State Parcel Database⁴. The Parcel Database is a standardized, statewide parcel layer stored in a Microsoft SQL Server database. Versions were developed in 2007, 2009, 2010, and 2012, with a partial update in 2016. Tabular and spatial data are collected from each county as well as state and federal agencies. Sales data was acquired from each county and from the Washington State Department of Revenue. Address, land use code, sales, and other data are normalized prior to loading into the Database. Owner names are normalized across counties to identify likely common owners despite small differences in names and addresses. Where parcels from different data providers overlap, a priority parcel is identified to create a wall-to-wall parcel layer without overlap for the state.

Methods: The Washington State Agland Database

The standardized parcel layer is intersected with roads, streams, waterbodies, jurisdictional layers, crop, and other layers. The Washington State Department of Agriculture (WSDA) and National Agriculture Statistics Service (NASS) Cropland layers provide estimates of crop type for each parcel. Agricultural parcels are identified as those with a land use code of 81, 82, or 83 or farmland according to the WSDA layer. Because WSDA was not available with parcel-level spatial resolution for the 2007 version, change results are limited to comparing land use codes. To analyze change, we unioned the parcel layers from the 2007 and 2019 version of the Agland Database. A minimum overlap of 30% was used to determine parcels that converted into or out of agricultural land since 2007.

¹ Agland Database. 2019. Natural Resource Spatial Informatics Group, Precision Forestry Cooperative, School of Environmental and Forest Sciences, University of Washington.

² Whitman County provides tabular data only and is not included in the Agland Database.

³ First year with spatial data (number of counties): 2007 (27 counties); 2009 (9 counties); 2012 (1 county).

⁴ Parcel Database. 2019. Natural Resource Spatial Informatics Group, Precision Forestry Cooperative, School of Environmental and Forest Sciences, University of Washington.

Results: Agricultural Parcels in 2019

Puget Sound Action Areas contained 511,000 acres of farmland in 2019. There were 36,000 parcels held by 26,000 owners. The average parcel size was 11.9 acres. The average tract (a contiguous set of parcels owned by the same person) was 32.2 acres. The average owner holds 424.8 acres. By land use class, 51% of parcels (68% of acres) were agricultural (codes 81, 82, or 83), 32% (15%) were residential (codes 0 – 19), and 14% (14%) were undeveloped (codes 84 – 99).

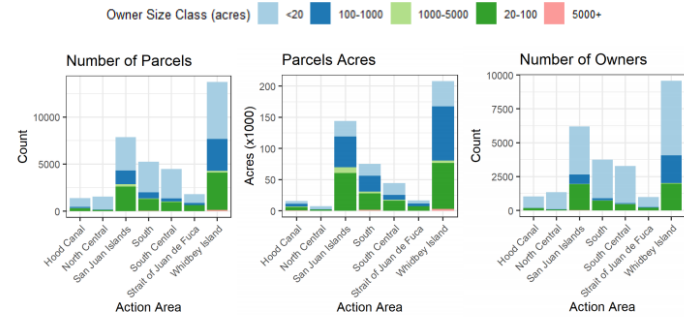


Table 1. Summary statistics for 2019 by Puget Sound Action Area.

PSAA	Num Parcels	Parcel Acres	Avg Parcel Acres	Avg Tract Acres	Avg Owner Acres	Num Owners
Hood Canal	1,379	15,504	11.2	27.4	280.6	1,041
North Central	1,539	7,547	4.9	7.7	10.3	1,355
San Juan Islands	7,864	144,221	18.3	44.3	252.1	6,098
South Central	4,468	44,585	10.0	19.8	302.8	3,275
South Puget Sound	5,263	75,099	14.3	40.4	322.5	3,760
Strait of Juan de Fuca	1,805	16,459	9.1	35.5	355.3	982
Whidbey Island	13,718	207,748	15.1	50.6	1,450.2	9,515
	36,036	511,163	11.9	32.2	424.8	26,026

Results: Change in Agricultural Parcels between 2007 and 2019

The net change in farmland in Puget Sound Action Areas between 2007 and 2019 was a decline of almost 15,000 acres and 625 parcels. Farmland declined in all Action Areas except South Central. Change is based on assessor land use codes only and may not represent actual change of land use or land cover.

Table 2. Summary statistics for change between 2007 and 2019 by Puget Sound Action Area.

PSAA	Num Parcels	Parcel Acres	Avg Parcel Acres	Avg Tract Acres	Avg Owner Acres	Num Owners
Hood Canal	33	(93)	(2.4)	6.8	59.8	32
North Central	12	(148)	(1.5)	(2.8)	(4.2)	6
San Juan Islands	(709)	(16,151)	(0.3)	9.8	49.8	(187)
South Central	946	13,781	0.7	6.0	40.4	656
South	(242)	(4,028)	0.9	19.0	107.6	(170)
Strait of Juan de Fuca	(21)	(112)	0.1	6.4	318.9	63
Whidbey Island	(642)	(8,087)	0.5	15.6	117.1	(557)
	(623)	(14,837)	(0.3)	8.7	98.5	(157)

Outreach & Extension



Empowering New Forest Owners in the Northwest

January 6, 2018



Many new forest owners are not aware that heavily altered forests need active management to improve ecosystem functions and reduce vulnerability to pests, diseases, and wildfire.

New owners indicate purchasing forestland for privacy, aesthetics, wildlife, and as an investment. Ecologically-based forest management involves practices that align with new forest owners' objectives, such as uneven-aged, multi-species silviculture, that increases biodiversity, and optimizes timber production for niche markets.

Whether you own a "home in the woods" or many acres of land, this "out in the woods" educational event is packed with practical "how-to" information that you need to know.

Stewarding land is both rewarding and challenging. Successful management is due to the decisions you make and the actions you take. Attending the **Forest Owners Field Day** will prepare you to plan and execute sound practices, enabling you to accomplish your management objectives, reduce risks, and protect your financial investment.

This event will include classes and activities led by experts in forest health, wildlife habitat, risk fire protection, and timber and non-timber forest products. Presenters will be available to answer questions, specific to your needs and situation. Youth activities are available throughout the day!

Come join the more than 10,500 satisfied families who have already experienced these Field Day events across the state. If you think forests are vital to the quality of life in Idaho and Washington, please pass this information along to your neighbor. This flyer is available at letsgo2forests.com/field.

Absentee forest owners with property anywhere east of the Cascades will find this event highly beneficial.

Event Sponsors and Cooperators

- Washington State University Extension
- University of Idaho Extension
- Washington Dept. of Natural Resources
- Idaho Department of Lands
- USDA Forest Service
- USDA National Resources Conservation Service
- Coosque Conservation District
- Knapall Tribe of Indians
- Family Forest Foundation
- Sustainable Forestry Initiative
- American Tree Farm System
- Society of American Foresters
- Idaho Forest Owners Association
- Washington Farm Forestry Association
- Stihl Northwest
- Fuji Machinery

Schedule

- A detailed schedule of presentations will be available on June 1 at forests.wa.edu or your local WOSU Extension office.
- Cafe open at 8 am.
- Registration at 9 am, 10 am, 11 am, 1:30 pm, 2:30 pm, and 3:30 pm.

About the Site

- Fielding adjacent to presentation stations.
- Portable restrooms, coffee, refreshments, and drinking water are available on-site.
- Seating provided at presentation stations and lunch area.
- Walking shoe distances over nearby level forest terrain is required. Clear for the weather and wear sturdy footwear.
- There will be vendors and displays.

Lunch

- On-site \$6.00 lunch to benefit school clubs and sports (\$1.00). Must be received no later than June 11. Or, pack a lunch.

Directions to Field Day Site

- Moraniam Hill Farm
- Backbone of Bob and Ruth Erickson
- 38302 N Starr Rd
- Newport, WA
- From S. Blanchard Rd/Blanchard Dr Rd, go North on Starr Rd. Site is approximately 20 miles east of Overport, 20 miles south of Newport, and 13 miles west of Spill Lake.

Follow the signs!

Information

- Andy Penaberg
- WOSU Extension Educator
- andy@nwda.edu
- (509) 657-6540

WASHINGTON STATE UNIVERSITY
EXTENSION COUNTY

IDAHO-WASHINGTON FOREST OWNERS FIELD DAY

INFORMATION & REGISTRATION

Saturday, June 21, 2014
Open 8 am Program 9 am - 4 pm
Moraniam Hill Farm
38302 N Starr Rd
Newport, WA

WASHINGTON STATE UNIVERSITY
EXTENSION FORESTRY

This program will help you protect and enhance your private forest land, and benefit your family and future generations.



Landowner Outreach

- Can generate mailing lists for landowner outreach, field days, grant opportunities and educational events
- Contact lwrogers@uw.edu for assistance

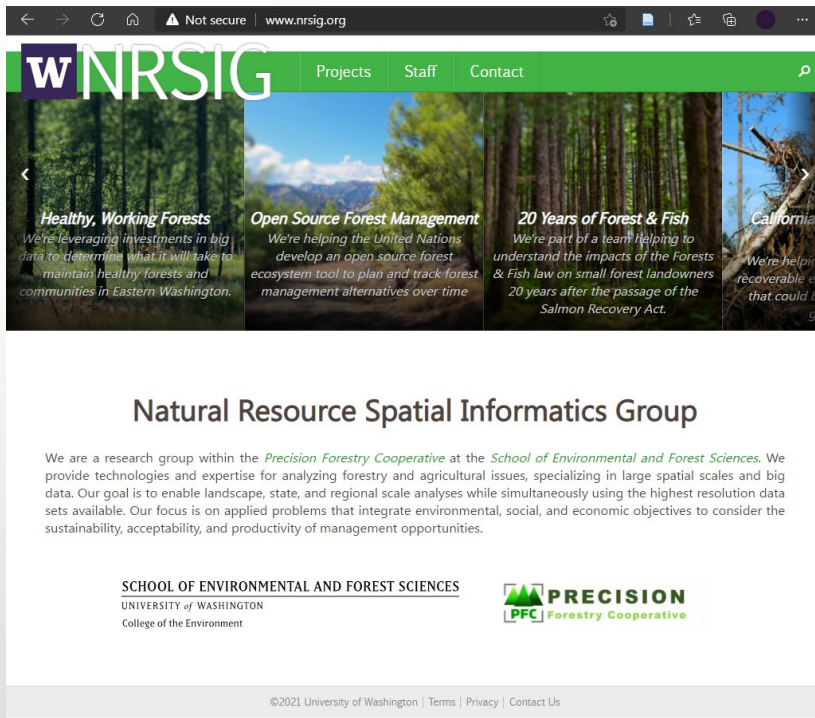


Data request form at:

<https://nrsig.org/projects/washington-state-agland-database>

Project Website

<https://nrsig.org/projects/washington-state-agland-database>



The screenshot shows the homepage of the NRSIG website. The header features the NRSIG logo and navigation links for Projects, Staff, and Contact. Below the header is a carousel of four featured projects: 'Healthy, Working Forests', 'Open Source Forest Management', '20 Years of Forest & Fish', and 'California'. The main content area is titled 'Natural Resource Spatial Informatics Group' and includes a paragraph about the group's research focus. At the bottom, there is contact information for the School of Environmental and Forest Sciences at the University of Washington, along with the Precision Forestry Cooperative (PFC) logo. A footer contains copyright information and links to Terms, Privacy, and Contact Us.

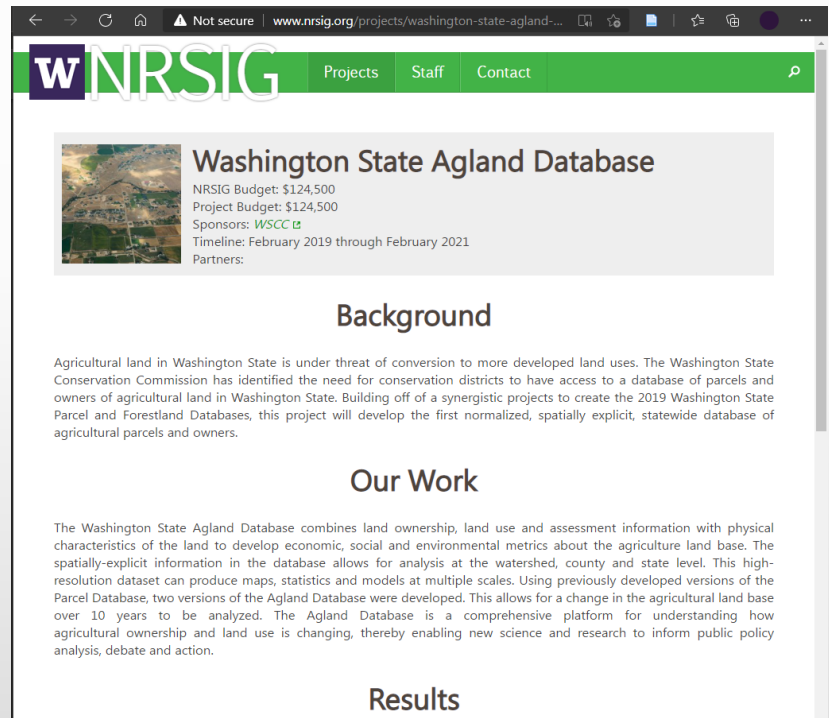
Natural Resource Spatial Informatics Group

We are a research group within the *Precision Forestry Cooperative* at the *School of Environmental and Forest Sciences*. We provide technologies and expertise for analyzing forestry and agricultural issues, specializing in large spatial scales and big data. Our goal is to enable landscape, state, and regional scale analyses while simultaneously using the highest resolution data sets available. Our focus is on applied problems that integrate environmental, social, and economic objectives to consider the sustainability, acceptability, and productivity of management opportunities.

SCHOOL OF ENVIRONMENTAL AND FOREST SCIENCES
UNIVERSITY of WASHINGTON
College of the Environment

PRECISION
PFC Forestry Cooperative

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The screenshot shows the project page for the Washington State Agland Database. The header is identical to the homepage. The main content area features a title 'Washington State Agland Database' with a small map thumbnail. Below the title, key project details are listed: NRSIG Budget: \$124,500, Project Budget: \$124,500, Sponsors: WSCC, and Timeline: February 2019 through February 2021. The page is organized into sections: 'Background', 'Our Work', and 'Results'. The 'Background' section discusses the threat of agricultural land conversion and the need for a database. The 'Our Work' section describes the development of the database and its use in creating maps and models. The 'Results' section is currently empty.

Washington State Agland Database

NRSIG Budget: \$124,500
Project Budget: \$124,500
Sponsors: WSCC
Timeline: February 2019 through February 2021
Partners:

Background

Agricultural land in Washington State is under threat of conversion to more developed land uses. The Washington State Conservation Commission has identified the need for conservation districts to have access to a database of parcels and owners of agricultural land in Washington State. Building off of a synergistic projects to create the 2019 Washington State Parcel and Forestland Databases, this project will develop the first normalized, spatially explicit, statewide database of agricultural parcels and owners.

Our Work

The Washington State Agland Database combines land ownership, land use and assessment information with physical characteristics of the land to develop economic, social and environmental metrics about the agriculture land base. The spatially-explicit information in the database allows for analysis at the watershed, county and state level. This high-resolution dataset can produce maps, statistics and models at multiple scales. Using previously developed versions of the Parcel Database, two versions of the Agland Database were developed. This allows for a change in the agricultural land base over 10 years to be analyzed. The Agland Database is a comprehensive platform for understanding how agricultural ownership and land use is changing, thereby enabling new science and research to inform public policy analysis, debate and action.

Results

Accessing the Data

- Currently setting up a web service for use in common mapping platforms
- <https://nrsig.org/apps/agr/>



Thank you

- This project has been funded wholly or in part by the United States Environmental Protection Agency under assistance agreement PC-01J18101 through the National Estuary program and the Stormwater Initiative at the Washington State Department of Ecology
- Thank you to the Washington State Conservation Commission for advocating for and supporting this project