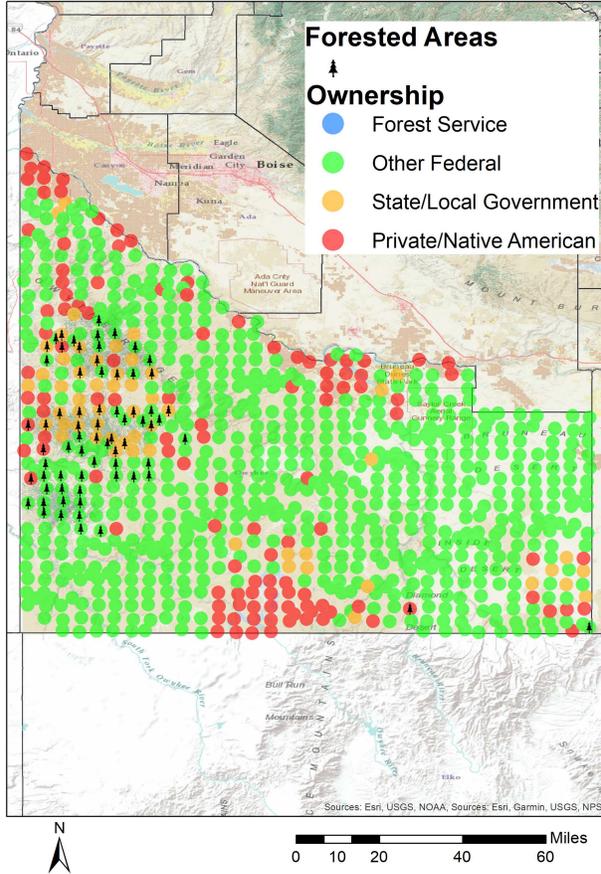




Owyhee County Forest Inventory Stocks



University of Idaho
Policy Analysis Group



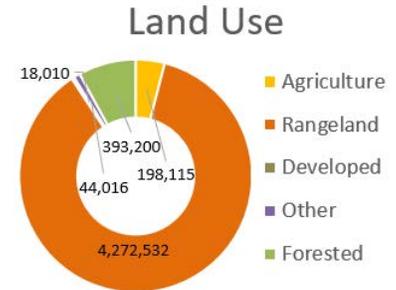
Distribution of 834 Idaho USDA Forest Inventory and Analysis Plots by land ownership

Land Base Overview

The Forest Inventory and Analysis (FIA) program administered by the USDA Forest Service serves as our national forest inventory. In Idaho, each plot represents roughly 6,000 acres and is revisited on a 10-year cycle beginning in 2004. The data collected provides valuable information on forest extent and stocks as well as how those stocks change over time. This fact sheet details the FIA data for Owyhee County, Idaho.

Area Sq Miles	Forested Acres	% Forested	Total Acres
7,697	393,200	8.0%	4,925,873

Owyhee County is not highly forested with just under 400,000 acres (8%) of its land base classified as forest. Federal and state forests are found in the central western part of the county. Federal land dominates most of the county.



Area and Volume by Forest Type and Owner

Equally important to the overall extent of the county's forests is its ownership and prevalent forest types. Forest extent by type and the volume on those acres provides insight into the economic and ecological opportunities given each owner's management focus. Owyhee County is largely federal land in other, less common softwood forest types.

	millions of cubic feet					thousand acres				
	Forest Service	Other Federal	State/Local	Private/Native American	Total	Forest Service	Other Federal	State/Local	Private/Native American	Total
Softwood										
Douglas-fir	0	24	0	0	24	0	12	6	0	18
Juniper	0	0.5	0	0.5	1	0	3	0	5	8
Other Softwood	0	84	57	5	147	0	198	94	18	309
True Fir	0	26	0	0	26	0	6	0	0	6
Hardwood										
Total	0	138	57	6	201	0	252	107	22	381



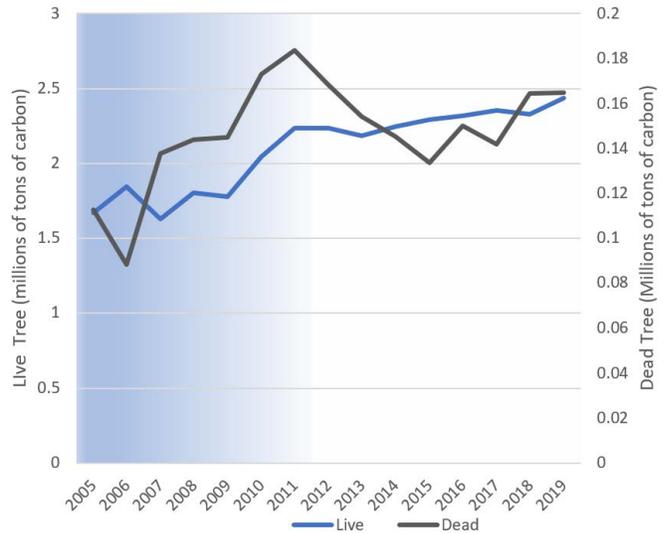
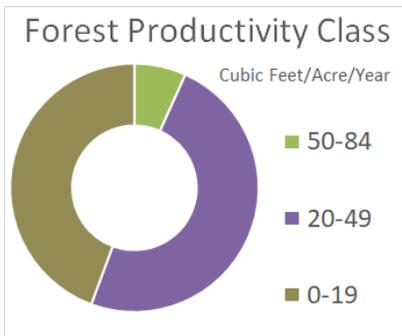
Owyhee County Forest Inventory Change



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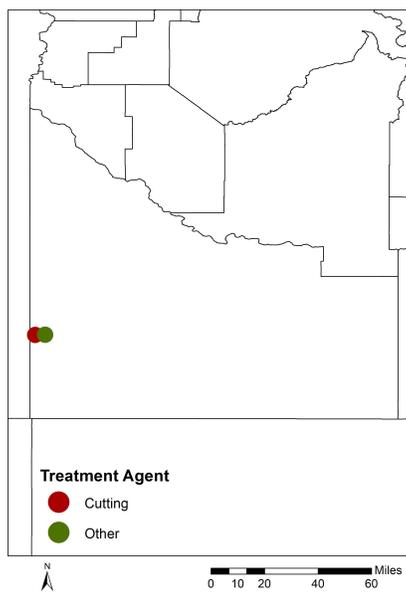
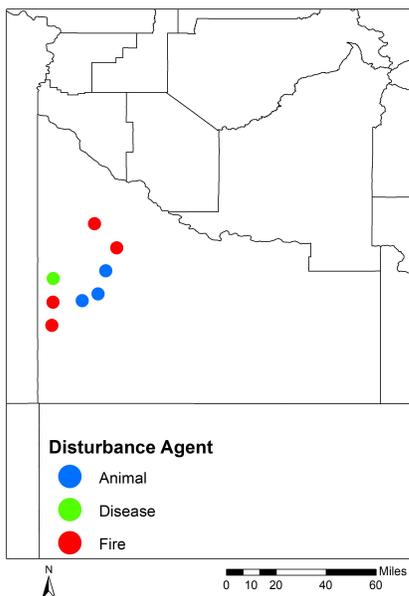
Forest Carbon

Forests are a significant part of the global carbon cycle. The productivity class indicates potential annual forest growth. This potential along with current forest size and stocking affect how much carbon a forest can intake, sequestering it from atmospheric accounts into woody biomass. Owyhee County's forests have been removing carbon from the atmosphere at a rate of 0.04 MT C per year since 2013. Dead tree carbon pools have fluctuated over that time period ranging between 0.06 and 0.2 MT C in stocks.



Each year since 2004, the FIA has measured 1/10th of the plots in Owyhee County. This means that a full sample was not collected until 2013. This is indicated by the blue coloring on the graph, which becomes lighter as more plots are measured. The early measurements are less precise than the ones after 2013, when all plots were measured, and the remeasuring process began.

Disturbance



Disturbances, either natural or management-related, are another factor of change affecting Idaho's forests. Fire is the largest factor of disturbance observed in the FIA data for Owyhee County. Forest management related disturbance is much smaller and concentrated on federal forest land.

	Forest Service	Other Federal	State/Local	Private/Native American	Total
----- acres -----					
Disturbance					
Disease	0	0	450	0	450
Fire	0	4,523	1,815	0	6,337
Insect	0	0	0	0	0
Other Disturbance	0	19,005	2,101	0	21,106
Total	0	23,528	4,366	0	27,894
Management					
Planting	0	0	0	0	0
Cutting	0	600	0	0	600
Other Treatment	0	605	0	0	605
Preparation	0	0	0	0	0
Total	0	1,205	0	0	1,205
Grand Total	0	24,733	4,366	0	29,099