



Latah County Forest Inventory Stocks



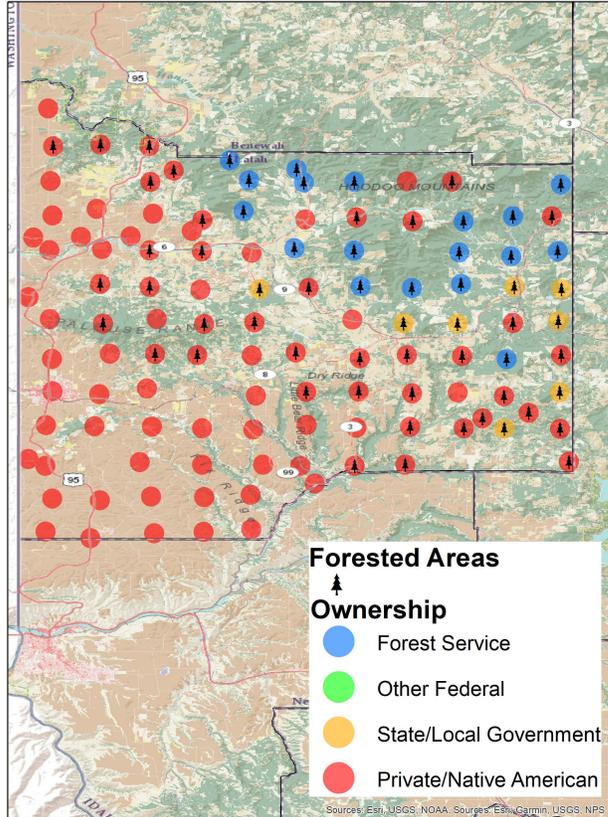
University of Idaho
Policy Analysis Group

Land Base Overview

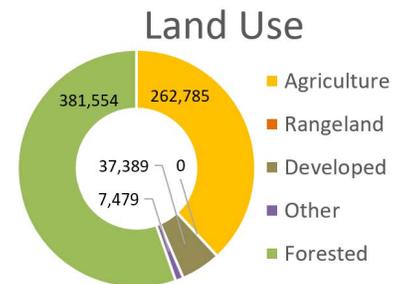
The Forest Inventory and Analysis (FIA) program administered by the USDA Forest Service serves as our national forest inventory. In Idaho, each plot represents roughly 6,000 acres and is revisited on a 10-year cycle beginning in 2004. The data collected provides valuable information on forest extent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

Area Sq Miles	Forested Acres	% Forested	Total Acres
1,077	381,554	55.4%	689,207

Latah County is has just over 380,000 acres (55%) of its land base classified as forest. Forest Service forests are located in the northeastern parts of the county while the private forest land is concentrated mostly in the southwest.



Distribution of 115 Idaho USDA Forest Inventory and Analysis Plots by land ownership



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. Latah County is largely Forest Service and private land in softwood forest types like True Fir and Douglas-fir.

	---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	139	0	37	261	437	43	0	6	115	165
Lodgepole Pine	0	0	0	23	23	0	0	0	3	3
Other Softwood	1	0	10	15	26	6	0	19	20	45
Ponderosa Pine	14	0	0	37	51	11	0	0	29	40
True Fir	323	0	47	26	395	56	0	18	30	104
Hardwood										
Hardwood	0	0	0	5	5	0	0	0	25	25
Total	477	0	94	367	937	116	0	43	222	382

Fact Sheet #15 (April 28, 2022) – Fact Sheets are based on research reports relevant to current natural resource topics. Contributors: Kelsey Vershum Undergraduate Researcher and Greg Latta, Policy Analysis Group Director



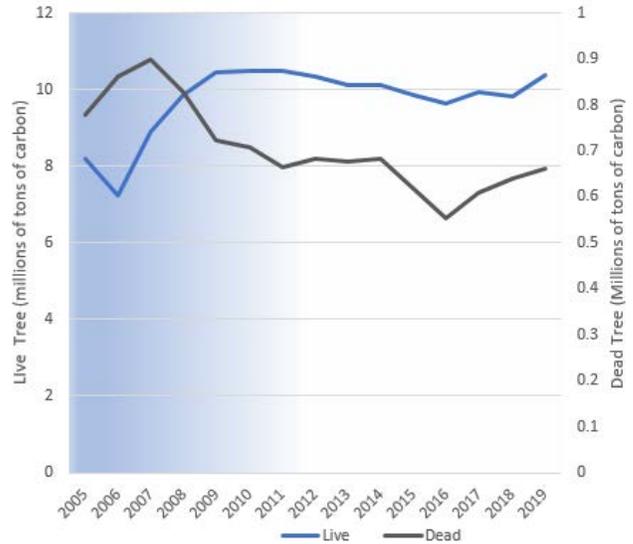
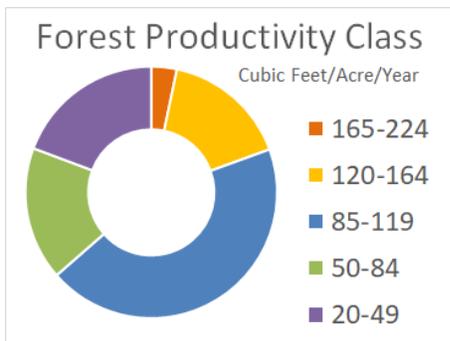
Latah County Forest Inventory Change



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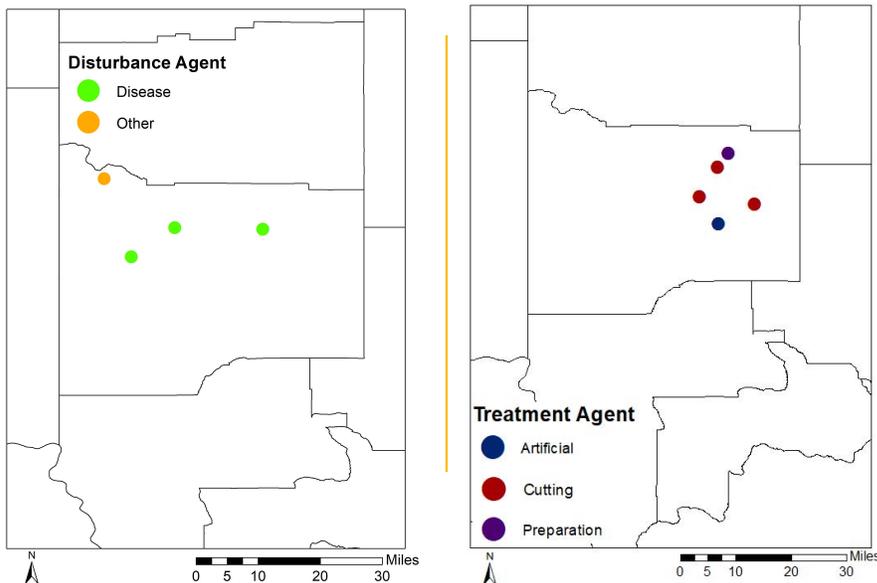
Forest Carbon

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. Latah 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 been relatively stable over that time period ranging between 0.5 and 1 MT C in stocks.



Each year since 2004, the FIA has measured 1/10th of the plots in Latah 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. Disease is the largest factor of disturbance observed in the FIA data for Latah County, though other disturbances are problematic on private land. Forest management related disturbance is much smaller and concentrated on private forest land.

	Forest Service	Other Federal	State/Local	Private/Native American	Total
----- acres -----					
Disturbance					
Disease	5,619	0	0	8,491	14,109
Fire	0	0	0	0	0
Insect	0	0	0	0	0
Other Disturbance	0	0	0	5,619	5,619
Total	5,619	0	0	14,109	19,728
Management					
Planting	0	0	0	624	624
Cutting	1,873	0	1,849	5,586	9,308
Other Treatment	0	0	0	0	0
Preparation	1,167	0	0	624	1,791
Total	3,040	0	1,849	6,835	11,723
Grand Total	8,658	0	1,849	20,944	31,451