



Benewah County Forest Inventory Stocks



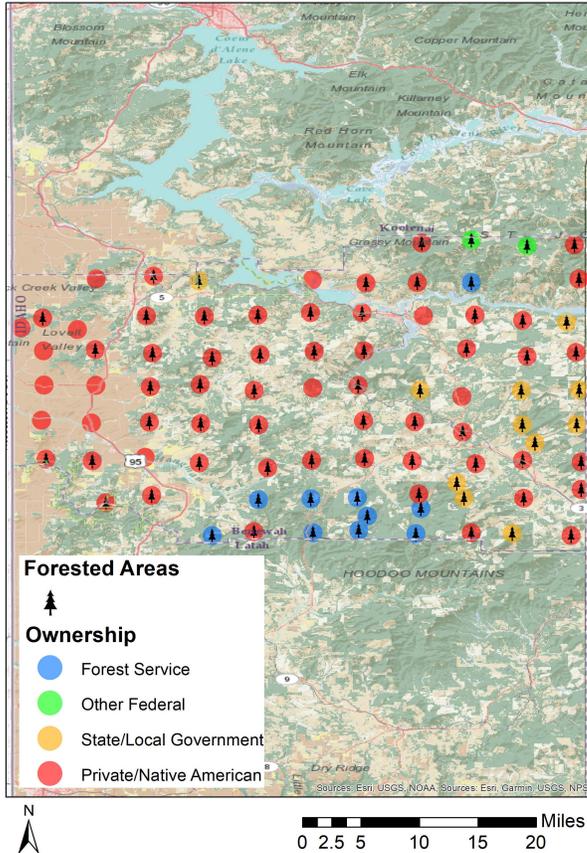
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Land Base Overview

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 Benewah County, Idaho.

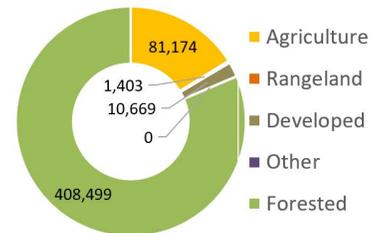
Area Sq Miles	Forested Acres	% Forested	Total Acres
784	408,499	81.4%	501,745

Benewah County is highly forested with just over 400,000 acres (81%) of its land base classified as forest. Private forests dominate most of the county while the Forest Service forest land is concentrated mostly in the south.



Distribution of 88 Idaho USDA Forest Inventory and Analysis Plots by land ownership

Land Use



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. Benewah County is dominated by Forest Service land in largely softwood forest types like Douglas-fir and Other Softwood.

	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	134	0	11	290	435	31	0	6	79	116
Lodgepole Pine	0	0	0	8	8	0	0	0	10	10
Other Softwood	121	33	44	281	479	18	11	37	64	130
Ponderosa Pine	0	0	10	54	64	0	0	4	32	36
True Fir	52	0	109	101	262	7	0	14	70	91
Hardwood	35	0	0	3	0	0	0	0	17	17
Total	306	33	174	737	1,250	56	11	60	273	401



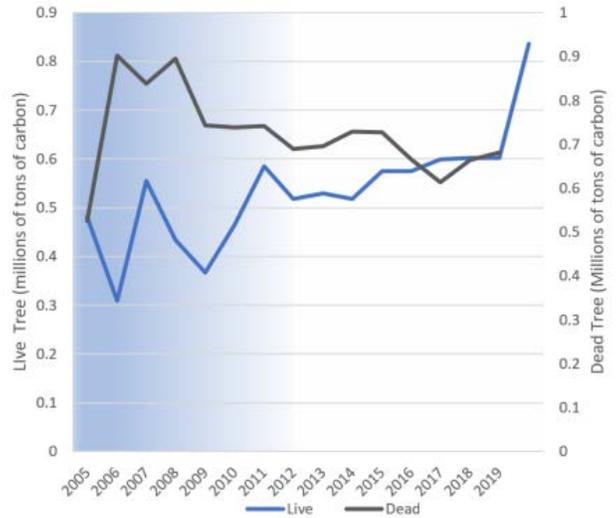
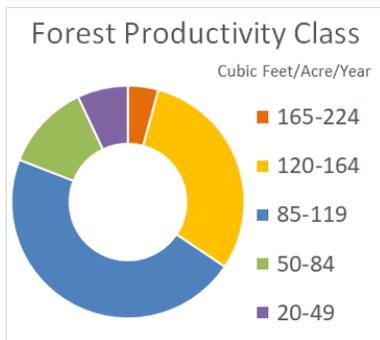
Benewah County Forest Inventory Change



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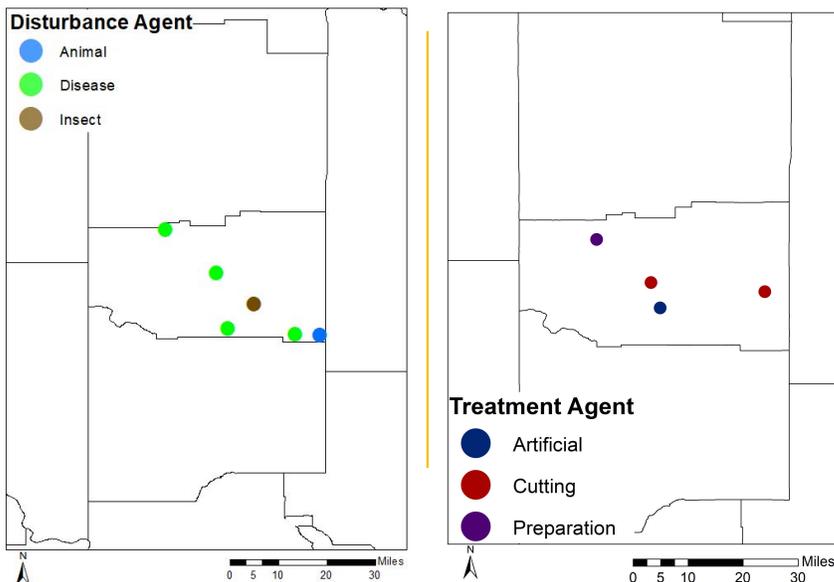
Forest Carbon

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. Benewah County's forests have been removing carbon from the atmosphere at a rate of 0.17 MT C per year since 2013. Dead tree carbon pools have fluctuating over that time period ranging between 0.5 and 0.9 MT C in stocks.



Each year since 2004, the FIA has measured 1/10th of the plots in Benewah 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 Benewah County, and becoming a bigger problem as it infects more trees. Forest management related disturbance concentrated on private and state forest land.

	Forest Service	Other Federal	State/Local	Private/Native American	Total
----- acres -----					
Disturbance					
Disease	6,763	0	3,381	7,374	17,518
Fire	0	0	0	0	0
Insect	0	0	0	1,691	1,691
Other Disturbance	0	0	0	1,972	1,972
Total	6,763	0	3,381	11,037	21,181
Management					
Planting	0	0	0	0	0
Cutting	0	0	0	0	0
Other Treatment	0	0	0	0	0
Preparation	0	0	0	0	0
Total	0	0	0	0	0
Grand Total	6,763	0	3,381	11,037	21,181