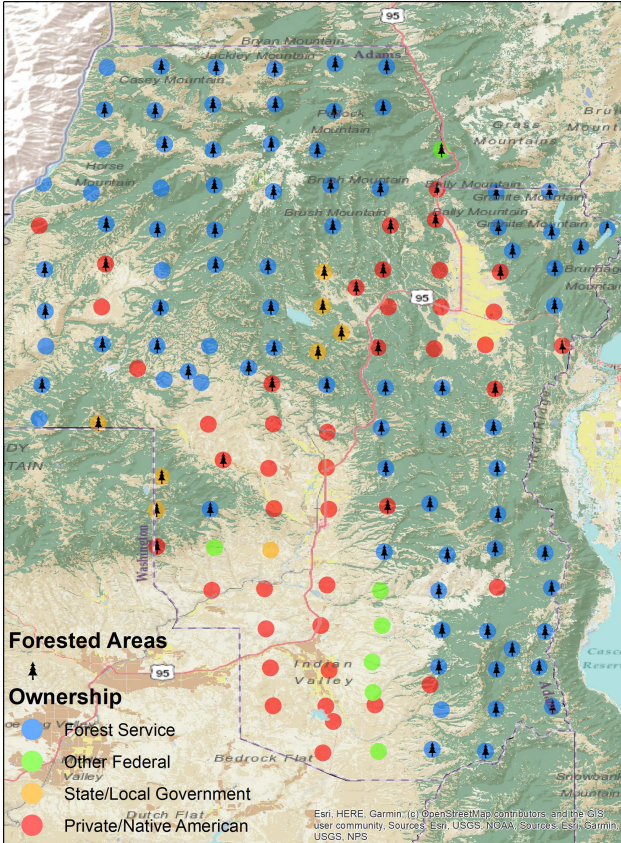




# Adams County Forest Inventory Stocks



University of Idaho  
Policy Analysis Group



Distribution of 150 Idaho USDA Forest Inventory and Analysis Plots by land ownership

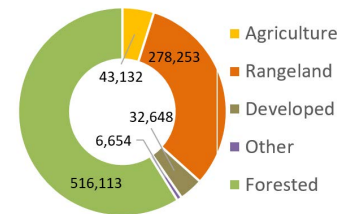
## Land Base Overview

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 Adams County, Idaho.

Area Sq Miles	Forested Acres	% Forested	Total Acres
1,370	516,113	58.9%	876,800

Adams County is mostly forested with just over 500,000 acres (59%) of its land base classified as forest. Forest Service forests dominate the northern and eastern parts of the county while the private land is concentrated mostly in the southwest and some in the northeast.

### 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. Adams County is dominated by Forest Service land in largely softwood forest types like True Fir, Ponderosa Pine, and Douglas-fir.

	Private/ Native					Private/ Native				
	Forest Service	Other Federal	State/Local	American	Total	Forest Service	Other Federal	State/Local	American	Total
	-----millions of cubic feet-----					-----thousand acres-----				
<b>Softwood</b>										
Douglas-fir	221	0	13	39	272	101	0	12	24	138
Lodgepole Pine	25	0	0	0	25	8	0	0	0	8
Other Softwood	109	0	0	1	110	21	0	0	6	27
Ponderosa Pine	290	25	19	9	343	103	6	12	7	128
True Fir	488	0	42	35	565	135	0	18	18	172
<b>Hardwood</b>	6	0	0	4	9	29	0	0	11	40
<b>Total</b>	1,139	25	74	87	1,325	397	6	43	66	512



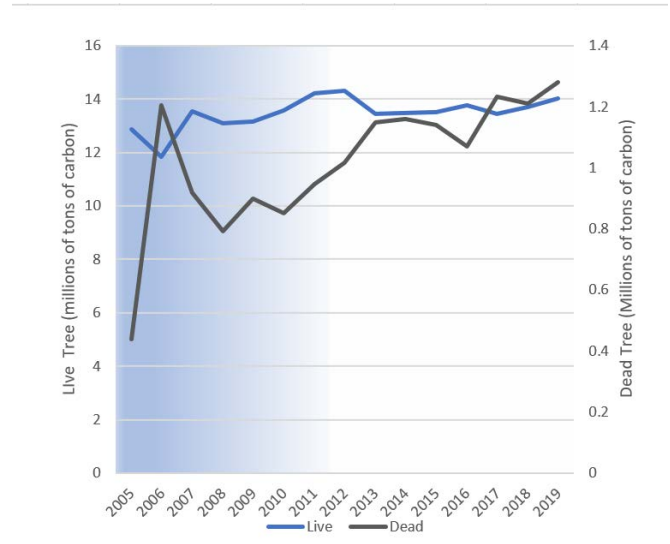
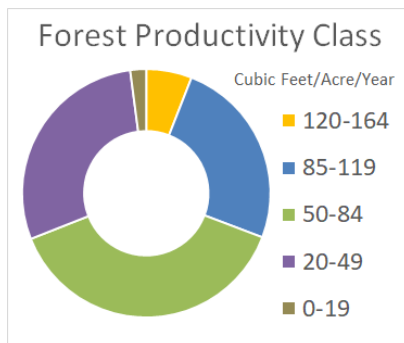
# Adams County Forest Inventory Change



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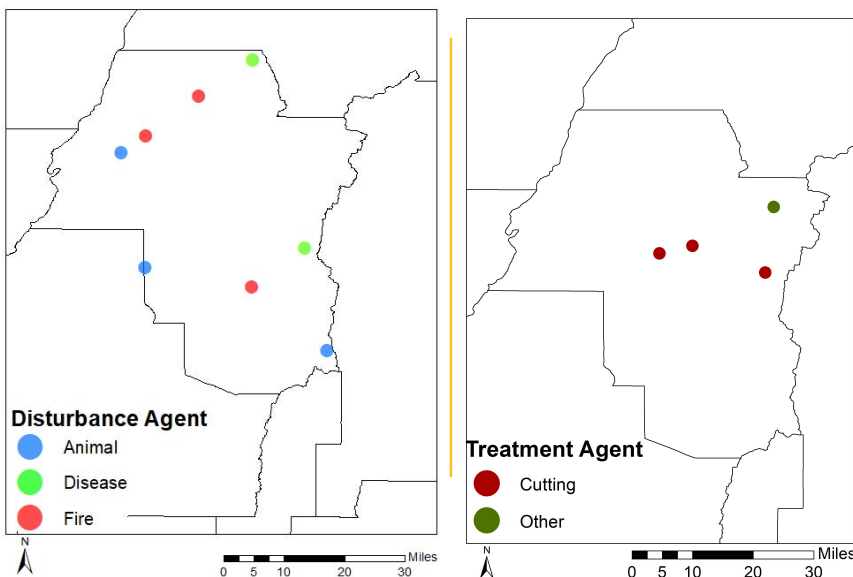
## Forest Carbon

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. Adams County's forests have been removing carbon from the atmosphere at a rate of 0.02 MT C per year since 2013. Dead tree carbon pools have fluctuated over that time period ranging between 0.4 and 1.4 MT C in stocks.



Each year since 2004, the FIA has measured 1/10th of the plots in Adams 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 Adams County, and becoming a bigger problem as it infects more trees. Forest management related disturbance is much smaller but also occurs on state and other local government lands and in privately owned land.

	Forest Service	Other Federal	State/Local	Private/Native American	Total
----- acres -----					
<b>Disturbance</b>					
Disease	3,651	0	0	0	3,651
Fire	2,781	0	0	0	2,781
Insect	0	0	0	0	0
Other Disturbance	7,454	0	4,260	1,065	12,779
<b>Total</b>	<b>13,886</b>	<b>0</b>	<b>4,260</b>	<b>1,065</b>	<b>19,211</b>
<b>Management</b>					
Planting	0	0	0	0	0
Cutting	304	0	609	609	1,521
Other Treatment	609	0	0	0	609
Preparation	0	0	0	0	0
<b>Total</b>	<b>913</b>	<b>0</b>	<b>609</b>	<b>609</b>	<b>2,130</b>
<b>Grand Total</b>	<b>14,799</b>	<b>0</b>	<b>4,868</b>	<b>1,673</b>	<b>21,340</b>