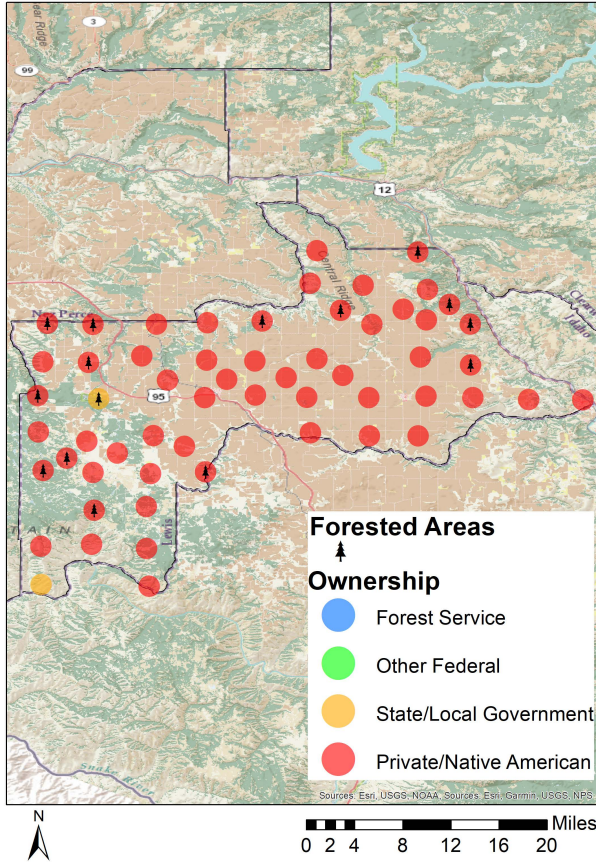




Lewis County Forest Inventory Stocks



University of Idaho
Policy Analysis Group



Distribution of 58 Idaho USDA Forest Inventory and Analysis Plots by land ownership

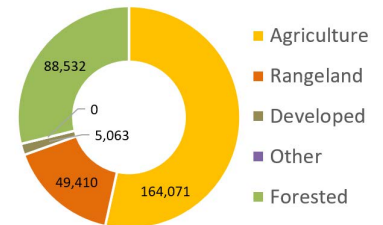
Land Base Overview

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 Lewis County, Idaho.

Area Sq Miles	Forested Acres	% Forested	Total Acres
480	88,532	28.8%	307,076

Lewis County has just under 90,000 acres (28%) of its land base classified as forest. Private land dominates the county while the state land is mostly in the west. Private forest land is mostly in the northeastern and western parts of the county.

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. Lewis County is largely private land and softwood forest types like Ponderosa Pine 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	0	0	0	29	29	0	0	0	21	21
Ponderosa Pine	0	0	11	31	43	0	0	7	29	36
True Fir	0	0	0	11	11	0	0	0	7	7
Hardwood										
Hardwood	0	0	0	5	5	0	0	0	24	24
Total	0	0	11	76	87	0	0	7	81	89



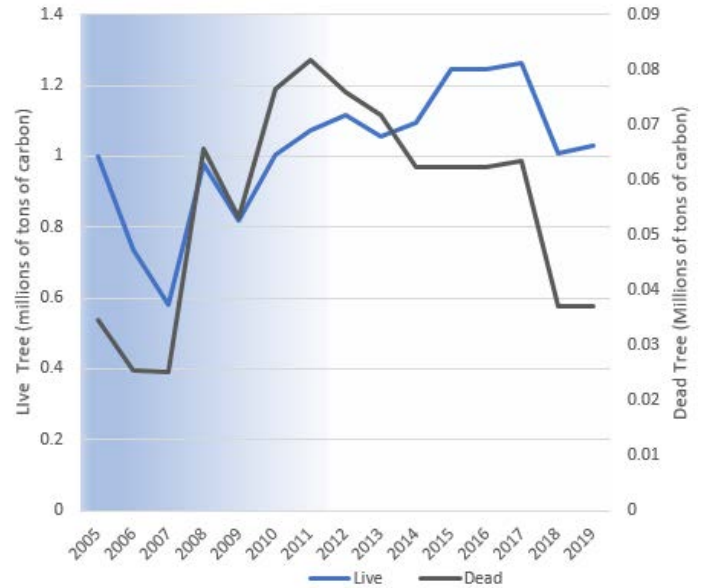
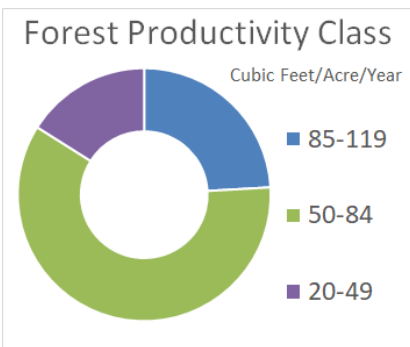
Lewis County Forest Inventory Change



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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. Lewis County's forests have been emitting carbon at a rate of 0.004 MT C per year since 2013. Dead tree carbon pools have fluctuated over that time period ranging between 0.02 and 0.09 MT C in stocks.

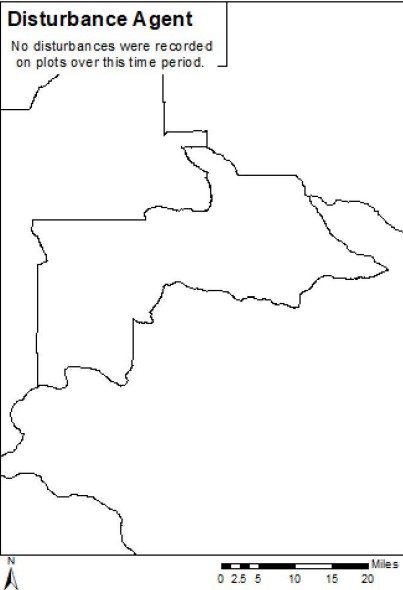


Each year since 2004, the FIA has measured 1/10th of the plots in Lewis County. This means that a full sample was not collected until 2013. This is indicated by the blue coloring on the graph, which becomes lighter as more plots are measured. The early measurements are less precise than the ones after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

Disturbance

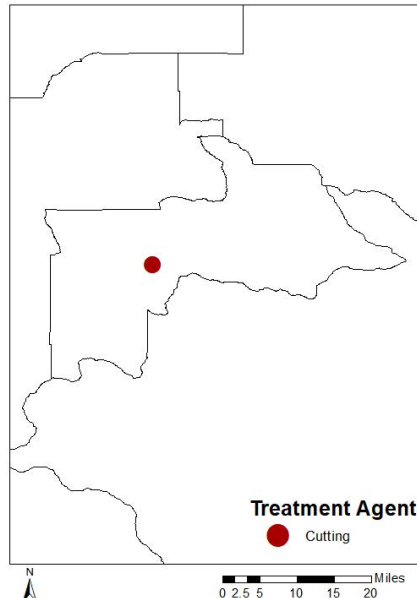
Disturbance Agent

No disturbances were recorded on plots over this time period.



Treatment Agent

● Cutting



Disturbances, either natural or management-related, are another factor of change affecting Idaho's forests. No disturbances were recorded during this time period for Lewis County. Forest management related disturbance is much smaller and consists of cutting on private forest land.

	Forest Service	Other Federal	State/Local	Private/Native American	Total
----- acres -----					
Disturbance					
Disease	0	0	0	0	0
Fire	0	0	0	0	0
Insect	0	0	0	0	0
Other Disturbance	0	0	0	0	0
Total	0	0	0	0	0
Management					
Planting	0	0	0	0	0
Cutting	0	0	0	2,132	2,132
Other Treatment	0	0	0	0	0
Preparation	0	0	0	0	0
Total	0	0	0	2,132	2,132
Grand Total	0	0	0	2,132	2,132