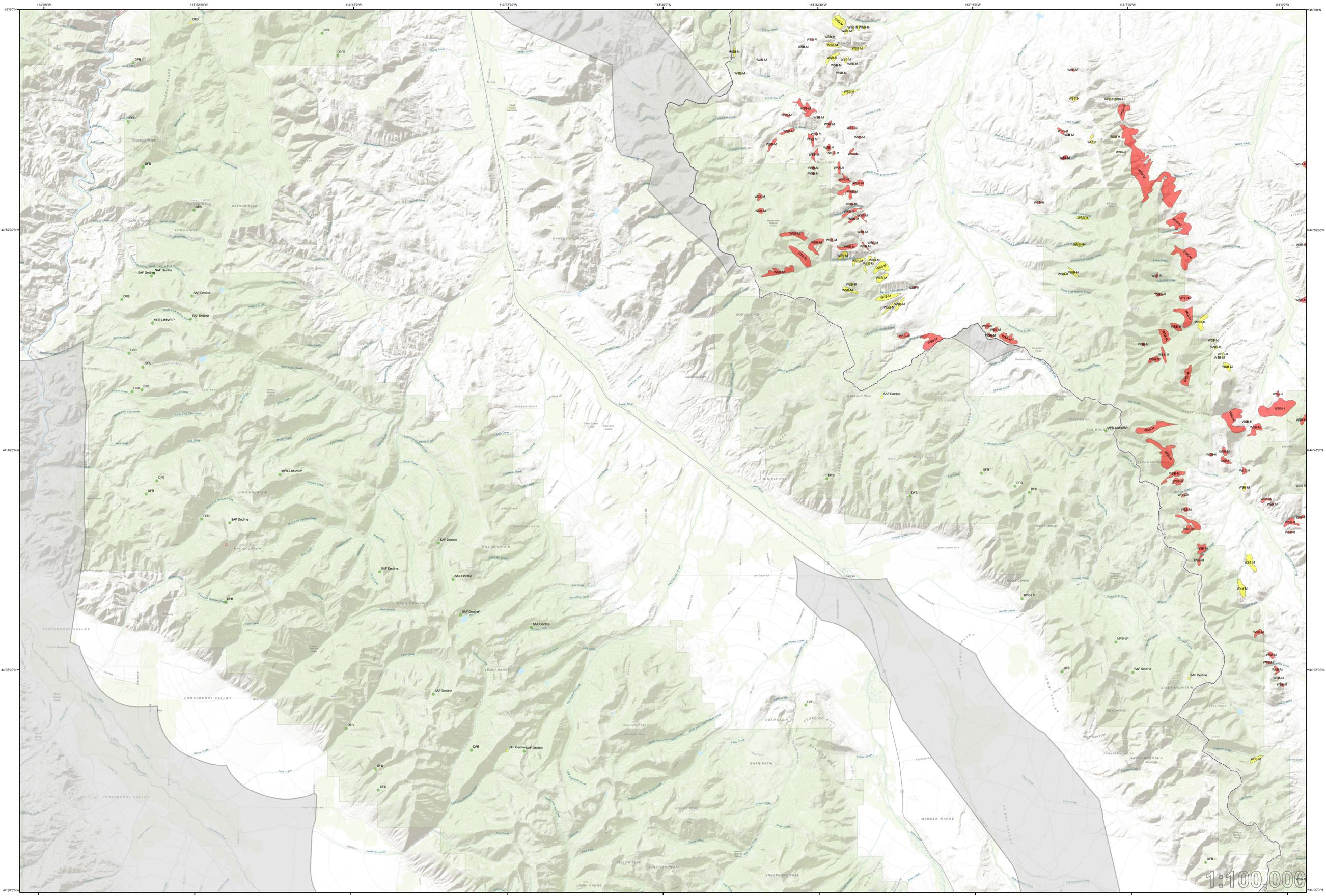
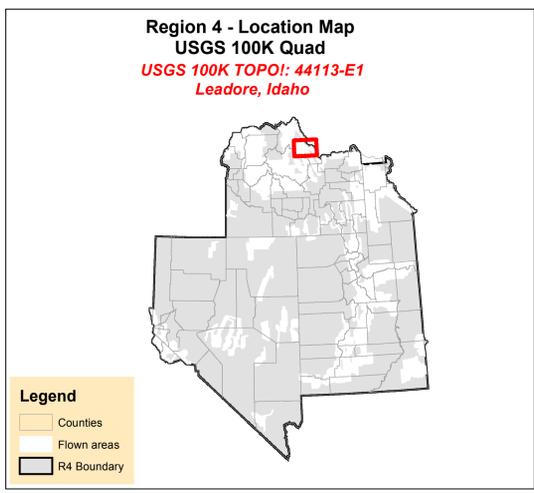


2019 Aerial Insect and Disease Survey Leadore, Idaho



Legend	
Damage Points	
Number of Trees	
● 1 - 5	
● 6 - 30	
● > 30	
Damage Polygons	
Light (1-10%)	
Moderate (11-50%)	
Severe (>50%)	
Not flown	
Fire Perimeters (2016 - 2018)	
CODING SYSTEM	
Codes have two parts: the first represents the causal agent and the second represents the host. If needed, the two-part code is followed by an 'M' or 'H' to indicate severity of the activity. Data is color coded to represent the intensity of activity as seen in the legend.	
Examples: MPB-LPP represents mountain pine beetle in Lodgepole pine. WSB-DF-SAF-H represents western spruce budworm infestation in subalpine fir/Douglas-fir mix with >75% of leaves defoliated.	
Causal Agent Codes	Host Codes
ASP Defol Aspen Defoliation	ASP Aspen
ASP Diebck Aspen Dieback	COT Cottonwood
ASP Mort Aspen Mortality	DF Douglas-fir
Avnch Avalanche	GF Grand fir
Drght Drought	HWB Hardwood
Flood Flooding-high water	JWJ Jeffrey pine
Lnd Slid Land Slide	JUN Juniper
Bark Beetles	LIM/WBP Limber pine / Whitebark pine
DFB Douglas-fir beetle	LDP Lodgepole pine
ESB Engelmann Spruce beetle	OP Oak
FEB Fir engraver beetle	PP Ponderosa pine
IPS Pine engraver beetle	PY Piñon
Jeffrey PB Jeffrey Pine Beetle	RF Red Fir
MPB Mountain pine beetle	SAF Subalpine fir
RndHd PB Round-headed Pine Beetle	WF Western larch
WPB Western pine beetle	WIL Willow
Defoliators	Miscellaneous
BWA Balsam woolly adelgid	Defol De-foliation - Moderate (50-75% of leaves defoliated)
DFTM Douglas-fir Tussock Moth	H De-foliation - Heavy (>75% of leaves defoliated)
FCW Fall Cankerworm	Disc Discoloration
FTC Forest Tent Caterpillar	Flag Flagging
Marssonina Marssonina	INV Nevada
Satin_Moth Satin Moth	Rust Rust
WSB Western Spruce Budworm	TK Top kill
WtentCat Western Tent Caterpillar	UT Utah
Disease	
Blck Pleaf Black Pineleaf	
Lopho Lophodermella needle cast (LPP)	
Sd Scale	
SAF Decl Sub Alpine Fir Decline	
WPBR White pine blister rust	



HOW THE AERIAL SURVEYS ARE CONDUCTED

Data represented on this map are based on trees visibly affected by forest insects, diseases and abiotic factors that are detected and recorded by observers during aerial survey flights. These flights are conducted by a joint partnership between the USDA Forest Service and state cooperators.

Observers have just a few seconds to recognize characteristic signatures of healthy and damaged trees of different species, correctly diagnose damage causal agents, estimate the intensity or extent of damage, and precisely record information on a digital sketch mapping platform. Air turbulence, cloud shadow, haze, smoke, and observer experience can affect the quality of the survey. These sketchmaps and the resultant data summaries provide an estimate of conditions on the ground, and may differ from estimates derived by other methods.

Annual aerial surveys provide important information on the current status of detected causal agents and can be used to determine trends in damage levels over time by comparing previous and current survey data over large areas.

Map Created: 2/5/2020
Projection: UTM NAD83 Zone 12T
Author: R1/R4 FHP GIS, USDA Forest Service

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DISCLAIMER

The digital map layer upon which the insect and disease data are presented vary in both source and scale, therefore, accuracy is not guaranteed.

The insect and disease data should be used only as an indicator of insect and disease activity, and should be ground-truthed for actual location and causal agent. Polygons indicate locations of tree mortality, defoliation, and/or other damage. Intensity of damage is variable, and not all trees and areas indicated are dead or damaged. The joint cooperators reserve the right to correct, modify, update, or replace the data as necessary. Using this data for purposes other than those for which it was intended may yield inaccurate or misleading results.