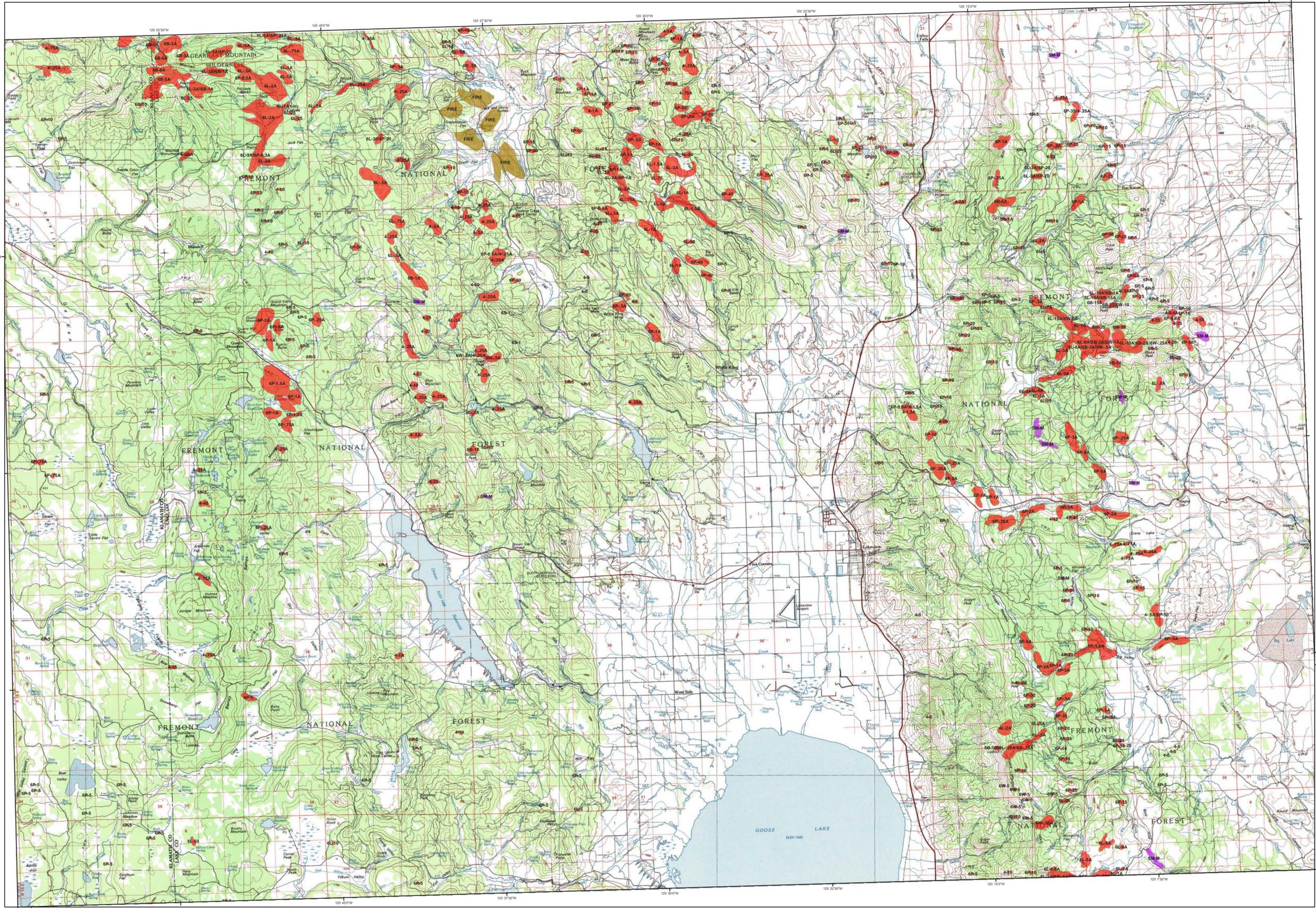


2006 Aerial Insect and Disease Survey

USGS 100K Quad: Lakeview - A142120; 5N



Defoliators		Mortality Agents	
Code	Damaging Agent	Code	Damaging Agent
AS	Spine spruce aphid	1	Douglas-fir beetle
BS	Western blackheaded budworm	2	Douglas-fir engraver
BM	Modoc budworm	3	Spine spruce beetle
BP	Sugar pine tortrix	4	Pir engraver
BS	Western spruce budworm	5	Western balsam bark beetle
BY	Bynum's bright lophodermella	6	Mountain pine beetle
CA	Larch	6B	Mountain pine beetle
HL	Western hemlock looper	6L	Mountain pine beetle
LG	Green striped forest looper	6P	Mountain pine beetle
LL	Larch looper	6S	Mountain pine beetle
LS	Black pine needle scale	6W	Western white pine
ML	Larch budmoth	7	Western white pine
MM	Larch budmoth	8	Western white pine
MS	Spine spruce budmoth	8B	Western white pine
ND	Needle miner	9	Needle miner
NJ	Needle miner	BEAR	Needle miner
NK	Needle miner	BEAR	Needle miner
NL	Needle miner	BEAR	Needle miner
NI	Needle miner	BEAR	Needle miner
NP	Needle miner	BEAR	Needle miner
NS	Needle miner	BEAR	Needle miner
NT	Needle miner	BEAR	Needle miner
NW	Needle miner	BEAR	Needle miner
OL	Western oak looper	BEAR	Needle miner
OS	Pine budworm	BEAR	Needle miner
PC	Pine needle cast	BEAR	Needle miner
PH	Phantom hemlock looper	BEAR	Needle miner
PM	Pandora moth	BEAR	Needle miner
PN	Pine needlehead miner	BEAR	Needle miner
PS	Pine needle scale	BEAR	Needle miner
RC	Needle cast	BEAR	Needle miner
S	Spine spruce	BEAR	Needle miner
SA	Sawfly	BEAR	Needle miner
SB	Sawfly	BEAR	Needle miner
SK	Sawfly	BEAR	Needle miner
SM	Sawfly	BEAR	Needle miner
SN	Sawfly	BEAR	Needle miner
SP	Sawfly	BEAR	Needle miner
TA	Tent caterpillar, alder	BEAR	Needle miner
TC	Tent caterpillar, other	BEAR	Needle miner
TM	Douglas-fir tussock moth	BEAR	Needle miner
TS	Tent caterpillar, aspen	BEAR	Needle miner

USGS 100K Quad: Lakeview - A142120; 5N
2006 Aerial Insect and Disease Detection Survey
Mapscale: 1:100,000
Date: December 4, 2006

Legend

- Defoliating Agents
- Mortality Agents
- Other Damage

The map base was created with TOPO! (Copyright 2001, National Geographic); available online at: www.ngmapstore.com

A data dictionary, digital copies of this map and ArcGIS insect and disease data are available at: www.fs.fed.us/r6/nr/rid/data.shtml

How the Aerial Surveys Are Conducted

Data represented on this map are based on trees visibly affected by forest insects and diseases detected and recorded during aerial survey flights conducted by the USDA Forest Service and the Oregon Department of Forestry. Observers have just a few seconds to recognize the color difference between healthy and damaged trees of different species; diagnose causal agents correctly; estimate intensity; delineate the extent of damage; and precisely record this information on a georeferenced, digital map. Air turbulence, cloud shadows, distance from aircraft, haze, smoke and observer experience can all affect the quality of the survey. These data summaries provide an estimate of conditions on the ground and may differ from estimates derived by other methods.

The aerial survey provides information on the current status for many causal agents, and is important when examining insect activity trends by comparing historical and current survey data over large areas.

Overview surveys are a 'snap shot' in time and therefore may not be timed to accurately capture the true extent or severity of a particular disturbance activity. Specially designed surveys with modified flight patterns and timing may be conducted to more accurately delineate the extent and severity of a particular disturbance agent. Special surveys, such as Swiss needle cast surveys, are conducted when resources are available to address situations of sufficient economic, political or environmental importance.

DIRECT ALL INQUIRIES TO:

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Forest Health Management
2600 State Street
Salem, Oregon 97310

-- OR --

USDA Forest Service, Region 6
Natural Resources
Forest Health Protection
PO Box 3623
Portland, Oregon 97208

*****DISCLAIMER*****

The insect and disease data presented should only be used as an indicator of insect and disease activity, and should be ground-checked for precise location, extent, severity and causal agent.

Color coded polygons show locations where trees were recently killed or defoliated. Intensity of damage is variable and not all trees within coded polygons are dead or defoliated.

The cooperators reserve the right to correct, update, modify or replace GIS products without notice. Using this map for purposes other than those for which it was intended may yield inaccurate or misleading results.