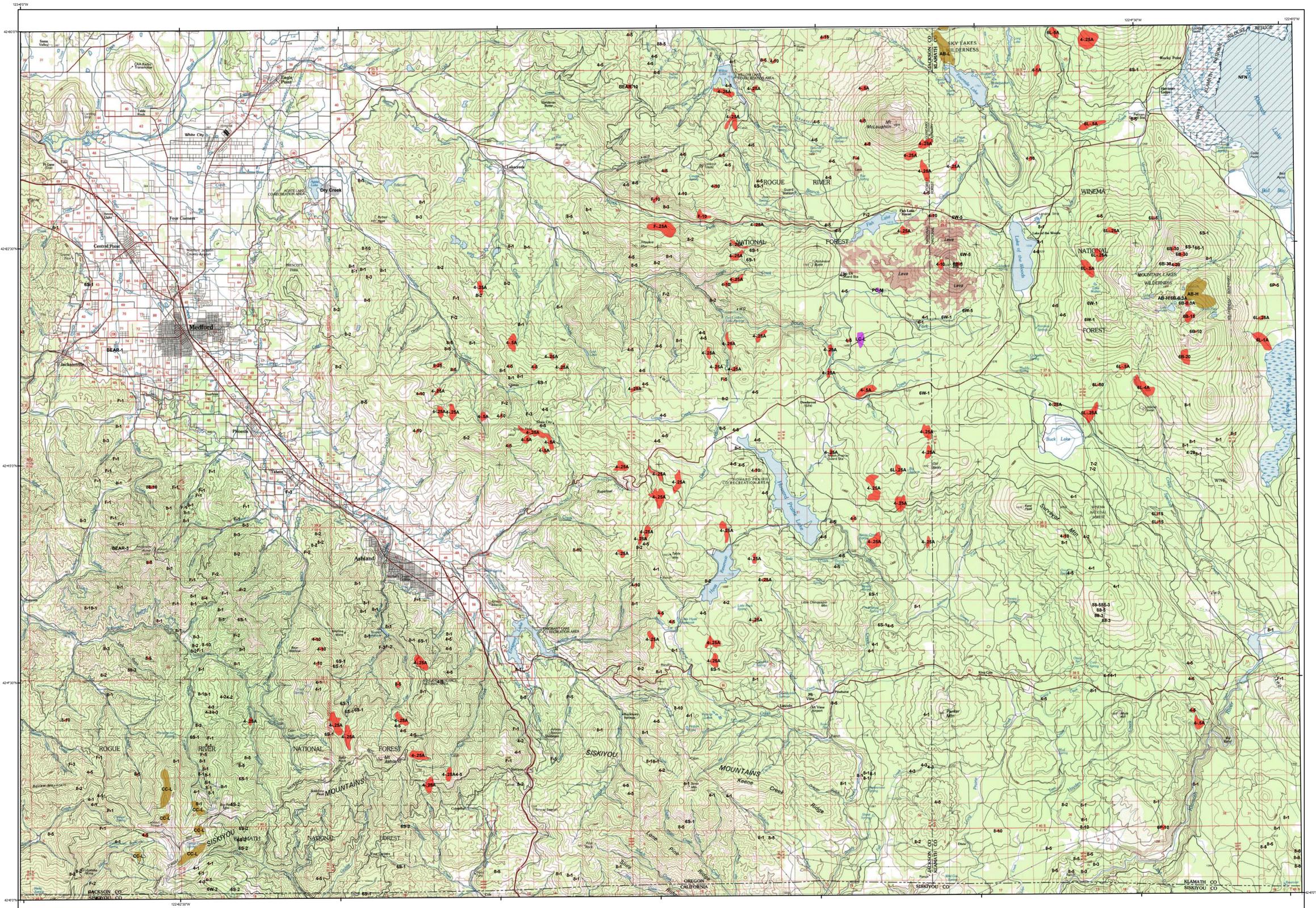


2007 Aerial Insect and Disease Survey

USGS 100K Quad: Medford - A142122; 3N



Defoliators		Mortality Agents	
Code	Damaging Agent	Code	Damaging Agent
AS	Spruce aphid	1	Douglas fir beetle
BB	Western blackheaded budworm	2	Douglas fir engraver
BM	Motus budworm	3	Spruce beetle
BP	Sugar pine tortrix	4	Fir engraver
BS	Western spruce budworm	5	Western balsam bark beetle
BY	Bryum's blight/ophidomyia	6J	Mountain pine beetle
CH	Larch	6K	Mountain pine beetle
HL	Western hemlock looper	6L	Mountain pine beetle
LL	Green striped forest looper	6M	Mountain pine beetle
LS	Black pine needle scale	6N	Mountain pine beetle
LD	Douglas fir budmoth	6P	Mountain pine beetle
LV	Larch budmoth	6Q	Mountain pine beetle
ML	Douglas fir needle midge	6R	Mountain pine beetle
MS	Spruce budmoth	6S	Mountain pine beetle
NJ	Needle miner	6T	Mountain pine beetle
NK	Needle miner	6U	Mountain pine beetle
NL	Needle miner	6V	Mountain pine beetle
NP	Needle miner	6W	Mountain pine beetle
NS	Needle miner	6X	Mountain pine beetle
NT	Needle miner	6Y	Mountain pine beetle
NW	Needle miner	6Z	Mountain pine beetle
CL	Western oak looper	7	Ponderosa pine
PB	Pine butterfly	8	Ponderosa pine
PC	Pine needle cast	9	Western white pine
PH	Phantom hemlock looper	10	Western white pine
PM	Pandora moth	11	Western white pine
PN	Pine needle/leaf miner	12	Western white pine
PS	Pine needle scale	13	Western white pine
RC	Needle cast	14	Western white pine
S	Spotter mite	15	Western white pine
SA	Sawfly	16	Western white pine
SD	Sawfly	17	Western white pine
SF	Sawfly	18	Western white pine
SH	Sawfly	19	Western white pine
SK	Sawfly	20	Western white pine
SL	Sawfly	21	Western white pine
SM	Sawfly	22	Western white pine
SN	Sawfly	23	Western white pine
SP	Sawfly	24	Western white pine
SW	Sawfly	25	Western white pine
TA	Tent caterpillar, alder	26	Western white pine
TC	Tent caterpillar, other	27	Western white pine
TM	Tent caterpillar, basswood	28	Western white pine
TS	Tent caterpillar, aspen	29	Western white pine

USGS 100K Quad: Medford - A142122; 3N
2007 Aerial Insect and Disease Detection Survey
Mapscale: 1:100,000
Date: November 27, 2007

Legend

- Defoliating Agents
- Mortality Agents
- Other Damage
- Areas Not Flown
- 2007 Large Fires

Source: Northwest Coordination Center

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

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