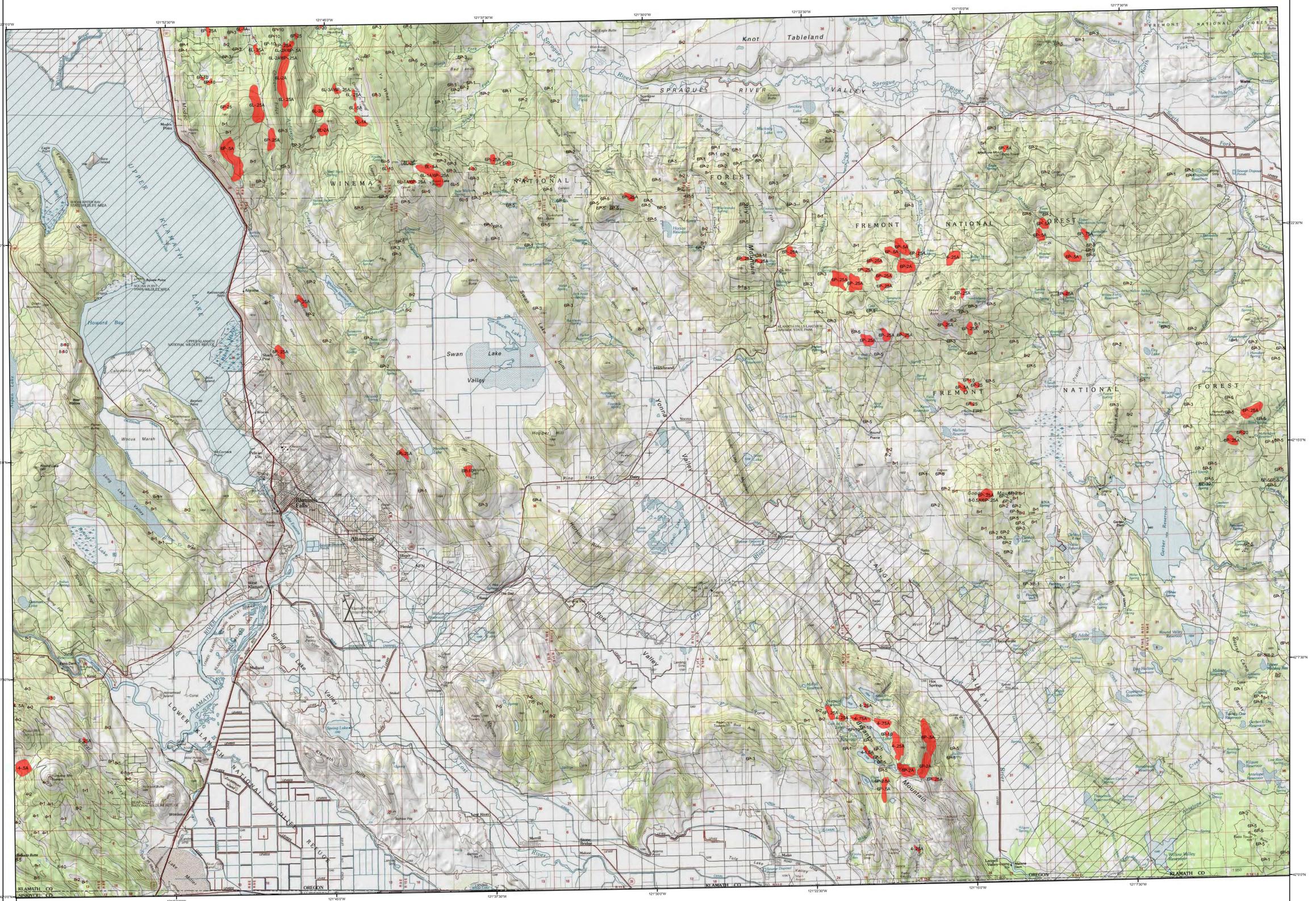


2011 Aerial Insect and Disease Survey

USGS 100K Quad: KLAMATH FALLS - A142121; 4N



Mortality Agents		
Code	Damaging Agent	Primary Host
2	Douglas fir beetle	Douglas fir
3	Douglas fir engraver	Douglas fir
4	Spineless wood borer	Douglas fir
5	Pine engraver	True fir
6B	Western balsam bark beetle	Sub-alpine fir
6C	Mountain pine beetle	Whitebark pine
6D	Mountain pine beetle	Lodgepole pine
6E	Mountain pine beetle	Sugar pine
6F	Mountain pine beetle	Ponderosa pine
6G	Mountain pine beetle	Western white pine
6H	Mountain pine beetle	Pacific ponderosa pine
6I	Mountain pine beetle	Ponderosa pine
6J	Mountain pine beetle	Western white pine
6K	Mountain pine beetle	Pacific ponderosa pine
6L	Mountain pine beetle	Ponderosa pine
6M	Mountain pine beetle	Western white pine
6N	Mountain pine beetle	Pacific ponderosa pine
6O	Mountain pine beetle	Ponderosa pine
6P	Mountain pine beetle	Western white pine
6Q	Mountain pine beetle	Pacific ponderosa pine
6R	Mountain pine beetle	Ponderosa pine
6S	Mountain pine beetle	Western white pine
6T	Mountain pine beetle	Pacific ponderosa pine
6U	Mountain pine beetle	Ponderosa pine
6V	Mountain pine beetle	Western white pine
6W	Mountain pine beetle	Pacific ponderosa pine
6X	Mountain pine beetle	Ponderosa pine
6Y	Mountain pine beetle	Western white pine
6Z	Mountain pine beetle	Pacific ponderosa pine
7	Western white pine sawfly	Western white pine
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100	Western white pine sawfly	Western white pine

USGS 100K Quad: KLAMATH FALLS - A142121; 4N
2011 Aerial Insect and Disease Survey
Map Scale: 1:100,000
Date: 14 December 2011

Legend

- Defoliating Agents
- Mortality Agents
- Other Damage
- Areas Not Flown
- 2011 Large Fires

Source: Northwest Interagency Coordination Center

The TOPOI maps are seamless, scanned images of United States Geological Survey (USGS) paper topographic maps. For more information on this map, visit us online at http://goto.arcgisonline.com/maps/USA_Topo_Maps

A data dictionary, digital copies of this map and Arctics insect and disease data are available at: www.fs.usda.gov/goto/r6/fhp/ads

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, the Washington Department of Natural Resources 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:

Oregon Department of Forestry
Forest Health Management
2600 State Street
Salem, OR 97310

-- OR --

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

DISCLAIMER
Forest Health Protection (FHP), Washington Department of Natural Resources (WDNR) and Oregon Department of Forestry (ODF) strive to maintain an accurate Aerial Detection Survey (ADS) Database, but due to the conditions under which the data are collected, FHP, WDNR and ODF shall not be held responsible for missing or inaccurate data. ADS are not intended to replace more specific information. An accuracy assessment has not been done for this dataset; however, ground checks are completed in accordance with local and national guidelines. <http://www.fs.fed.us/foresthealth/ads/>
Quality assurance sheet. Maps and data may be updated without notice. Please cite: "USDA Forest Service, Forest Health Protection, Washington Department of Natural Resources, Resource Protection Division, and Oregon Department of Forestry, Forest Health Management" as the source of this data.