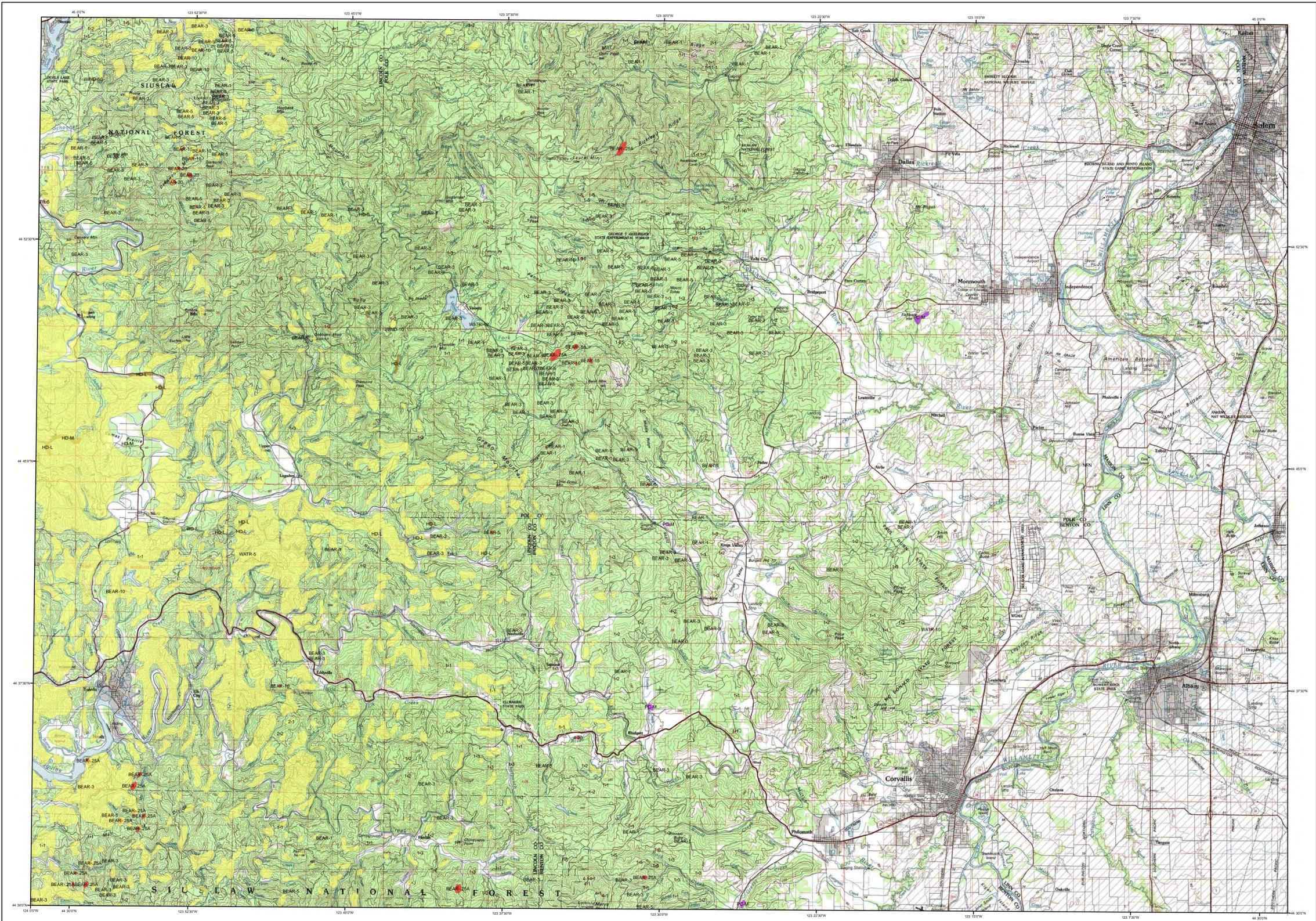


2010 Aerial Insect and Disease Survey

USGS 100K Quad: Corvallis - E144123; 2I



Defoliators		Mortality Agents	
Code	Damaging Agent	Code	Damaging Agent
AS	Spine spruce	1	Douglas fir beetle
BS	Western blackheaded backworm	2	Douglas fir engraver
CS	Spine spruce	3	Spine spruce beetle
DS	Spine spruce	4	Fire engraver
ES	Sugar pine tortrix	5	Western balsam bark beetle
FS	Western spruce budworm	6	Mountain pine beetle
GS	Bynum's lightpodemella	7	Mountain pine beetle
HS	Larch casebearer	8	Mountain pine beetle
IS	Western hemlock looper	9	Mountain pine beetle
LS	Green strip/spot forest looper	10	Mountain pine beetle
MS	Larch looper	11	Mountain pine beetle
NS	Black pine leaf scale	12	Mountain pine beetle
OS	Larch budmoth	13	Mountain pine beetle
PS	Douglas fir needle scale	14	Mountain pine beetle
QS	Spine spruce budmoth	15	Mountain pine beetle
RS	Needle miner	16	Mountain pine beetle
SS	Needle miner	17	Mountain pine beetle
TS	Needle miner	18	Mountain pine beetle
US	Needle miner	19	Mountain pine beetle
VS	Needle miner	20	Mountain pine beetle
WS	Needle miner	21	Mountain pine beetle
XS	Needle miner	22	Mountain pine beetle
YS	Needle miner	23	Mountain pine beetle
ZS	Needle miner	24	Mountain pine beetle
AS	Needle miner	25	Mountain pine beetle
BS	Needle miner	26	Mountain pine beetle
CS	Needle miner	27	Mountain pine beetle
DS	Needle miner	28	Mountain pine beetle
ES	Needle miner	29	Mountain pine beetle
FS	Needle miner	30	Mountain pine beetle
GS	Needle miner	31	Mountain pine beetle
HS	Needle miner	32	Mountain pine beetle
IS	Needle miner	33	Mountain pine beetle
JS	Needle miner	34	Mountain pine beetle
KS	Needle miner	35	Mountain pine beetle
LS	Needle miner	36	Mountain pine beetle
MS	Needle miner	37	Mountain pine beetle
NS	Needle miner	38	Mountain pine beetle
OS	Needle miner	39	Mountain pine beetle
PS	Needle miner	40	Mountain pine beetle
QS	Needle miner	41	Mountain pine beetle
RS	Needle miner	42	Mountain pine beetle
SS	Needle miner	43	Mountain pine beetle
TS	Needle miner	44	Mountain pine beetle
US	Needle miner	45	Mountain pine beetle
VS	Needle miner	46	Mountain pine beetle
WS	Needle miner	47	Mountain pine beetle
XS	Needle miner	48	Mountain pine beetle
YS	Needle miner	49	Mountain pine beetle
ZS	Needle miner	50	Mountain pine beetle

USGS 100K Quad: Corvallis - E144123; 2I
 2010 Aerial Insect and Disease Detection Survey
 Mapscale: 1:100,000
 Date: December 28, 2010

Legend

- Defoliating Agents
- Mortality Agents
- Other Damage
- 2010 Special Swiss Needle Cast Survey
- Areas Not Flown

More information about this special survey and the related data is located here: <http://www.oregon.gov/ODF/privateforests/fhMaps.shtml>

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/rd/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.