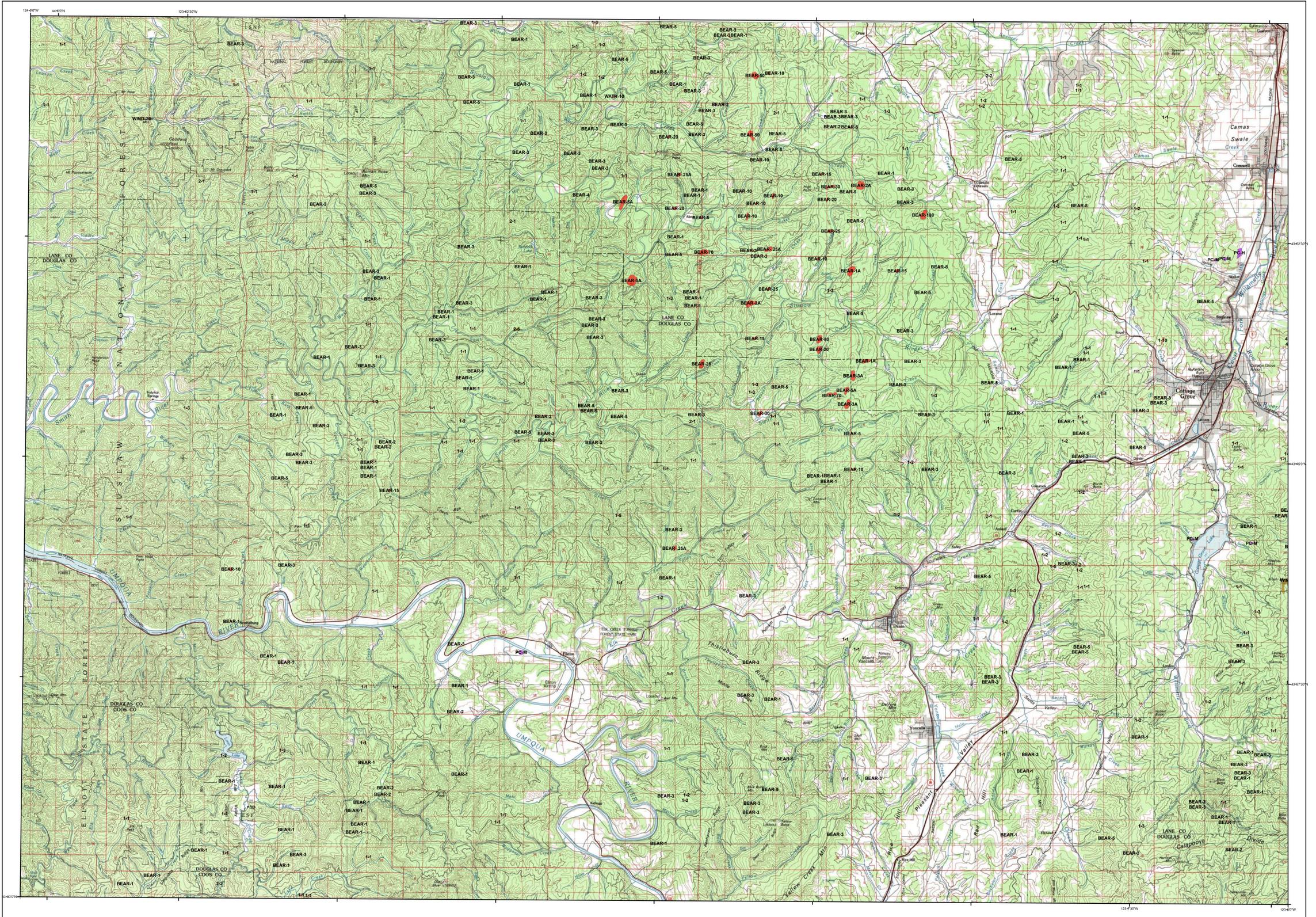


2008 Aerial Insect and Disease Survey

USGS 100K Quad: Cottage Grove - E143123; 2K



Defoliators		Mortality Agents	
Code	Damaging Agent	Code	Damaging Agent
AS	Spruce aphid	1	Douglas-fir beetle
BB	Western black-headed budworm	2	Douglas-fir engraver
BS	Modoc budworm	3	Spruce beetle
BP	Sugar pine tortrix	4	White fir
BS	Western spruce budworm	5	Western balsam bark beetle
CH	Larch	6	Mountain pine beetle
BY	Byrum's light/ophodometra	6J	Mountain pine beetle
HL	Western hemlock looper	6K	Mountain pine beetle
LG	Green striped forest looper	6L	Mountain pine beetle
LL	Larch looper	6M	Mountain pine beetle
LS	Black pine needle scale	6N	Mountain pine beetle
MD	Douglas-fir budmoth	6O	Mountain pine beetle
ML	Larch budmoth	6P	Mountain pine beetle
MN	Douglas-fir needle midge	6Q	Mountain pine beetle
MS	Spruce budmoth	6R	Mountain pine beetle
NJ	Needle miner	6S	Mountain pine beetle
NK	Needle miner	6T	Mountain pine beetle
NL	Needle miner	6U	Mountain pine beetle
NP	Needle miner	6V	Mountain pine beetle
NS	Needle miner	6W	Mountain pine beetle
NT	Needle miner	6X	Mountain pine beetle
NW	Needle miner	6Y	Mountain pine beetle
OB	Western oak looper	6Z	Mountain pine beetle
PC	Pine butterfly	7	Link tip
PH	Phantom hemlock looper	8	Western pine beetle
PI	Pine moth	9	Western pine beetle
PN	Pine needles/needle miner	10	Western pine beetle
PS	Pine needle scale	11	Western pine beetle
RC	Needle cast	12	Western pine beetle
SA	Sawfly	13	Western pine beetle
SD	Sawfly	14	Western pine beetle
SE	Sawfly	15	Western pine beetle
SH	Sawfly	16	Western pine beetle
SK	Sawfly	17	Western pine beetle
SL	Sawfly	18	Western pine beetle
SM	Sawfly	19	Western pine beetle
SN	Sawfly	20	Western pine beetle
SO	Sawfly	21	Western pine beetle
SP	Sawfly	22	Western pine beetle
TA	Tent caterpillar, alder	23	Western pine beetle
TC	Tent caterpillar, other	24	Western pine beetle
TD	Tent caterpillar, Douglas-fir	25	Western pine beetle
TE	Tent caterpillar, aspen	26	Western pine beetle
TF	Tent caterpillar, aspen	27	Western pine beetle
TH	Tent caterpillar, aspen	28	Western pine beetle
TI	Tent caterpillar, aspen	29	Western pine beetle
TJ	Tent caterpillar, aspen	30	Western pine beetle
TK	Tent caterpillar, aspen	31	Western pine beetle
TL	Tent caterpillar, aspen	32	Western pine beetle
TM	Tent caterpillar, aspen	33	Western pine beetle
TN	Tent caterpillar, aspen	34	Western pine beetle
TO	Tent caterpillar, aspen	35	Western pine beetle
TP	Tent caterpillar, aspen	36	Western pine beetle
TP	Tent caterpillar, aspen	37	Western pine beetle
TP	Tent caterpillar, aspen	38	Western pine beetle
TP	Tent caterpillar, aspen	39	Western pine beetle
TP	Tent caterpillar, aspen	40	Western pine beetle
TP	Tent caterpillar, aspen	41	Western pine beetle
TP	Tent caterpillar, aspen	42	Western pine beetle
TP	Tent caterpillar, aspen	43	Western pine beetle
TP	Tent caterpillar, aspen	44	Western pine beetle
TP	Tent caterpillar, aspen	45	Western pine beetle
TP	Tent caterpillar, aspen	46	Western pine beetle
TP	Tent caterpillar, aspen	47	Western pine beetle
TP	Tent caterpillar, aspen	48	Western pine beetle
TP	Tent caterpillar, aspen	49	Western pine beetle
TP	Tent caterpillar, aspen	50	Western pine beetle
TP	Tent caterpillar, aspen	51	Western pine beetle
TP	Tent caterpillar, aspen	52	Western pine beetle
TP	Tent caterpillar, aspen	53	Western pine beetle
TP	Tent caterpillar, aspen	54	Western pine beetle
TP	Tent caterpillar, aspen	55	Western pine beetle
TP	Tent caterpillar, aspen	56	Western pine beetle
TP	Tent caterpillar, aspen	57	Western pine beetle
TP	Tent caterpillar, aspen	58	Western pine beetle
TP	Tent caterpillar, aspen	59	Western pine beetle
TP	Tent caterpillar, aspen	60	Western pine beetle
TP	Tent caterpillar, aspen	61	Western pine beetle
TP	Tent caterpillar, aspen	62	Western pine beetle
TP	Tent caterpillar, aspen	63	Western pine beetle
TP	Tent caterpillar, aspen	64	Western pine beetle
TP	Tent caterpillar, aspen	65	Western pine beetle
TP	Tent caterpillar, aspen	66	Western pine beetle
TP	Tent caterpillar, aspen	67	Western pine beetle
TP	Tent caterpillar, aspen	68	Western pine beetle
TP	Tent caterpillar, aspen	69	Western pine beetle
TP	Tent caterpillar, aspen	70	Western pine beetle
TP	Tent caterpillar, aspen	71	Western pine beetle
TP	Tent caterpillar, aspen	72	Western pine beetle
TP	Tent caterpillar, aspen	73	Western pine beetle
TP	Tent caterpillar, aspen	74	Western pine beetle
TP	Tent caterpillar, aspen	75	Western pine beetle
TP	Tent caterpillar, aspen	76	Western pine beetle
TP	Tent caterpillar, aspen	77	Western pine beetle
TP	Tent caterpillar, aspen	78	Western pine beetle
TP	Tent caterpillar, aspen	79	Western pine beetle
TP	Tent caterpillar, aspen	80	Western pine beetle
TP	Tent caterpillar, aspen	81	Western pine beetle
TP	Tent caterpillar, aspen	82	Western pine beetle
TP	Tent caterpillar, aspen	83	Western pine beetle
TP	Tent caterpillar, aspen	84	Western pine beetle
TP	Tent caterpillar, aspen	85	Western pine beetle
TP	Tent caterpillar, aspen	86	Western pine beetle
TP	Tent caterpillar, aspen	87	Western pine beetle
TP	Tent caterpillar, aspen	88	Western pine beetle
TP	Tent caterpillar, aspen	89	Western pine beetle
TP	Tent caterpillar, aspen	90	Western pine beetle
TP	Tent caterpillar, aspen	91	Western pine beetle
TP	Tent caterpillar, aspen	92	Western pine beetle
TP	Tent caterpillar, aspen	93	Western pine beetle
TP	Tent caterpillar, aspen	94	Western pine beetle
TP	Tent caterpillar, aspen	95	Western pine beetle
TP	Tent caterpillar, aspen	96	Western pine beetle
TP	Tent caterpillar, aspen	97	Western pine beetle
TP	Tent caterpillar, aspen	98	Western pine beetle
TP	Tent caterpillar, aspen	99	Western pine beetle
TP	Tent caterpillar, aspen	100	Western pine beetle

USGS 100K Quad: Cottage Grove - E143123; 2K
2008 Aerial Insect and Disease Detection Survey
Mapscale: 1:100,000
Date: November 10, 2008

Legend

- Defoliating Agents
- Mortality Agents
- Other Damage

Vicinity Map

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

A data dictionary, digital copies of this map and Argis 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:

Oregon Department of Forestry
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.