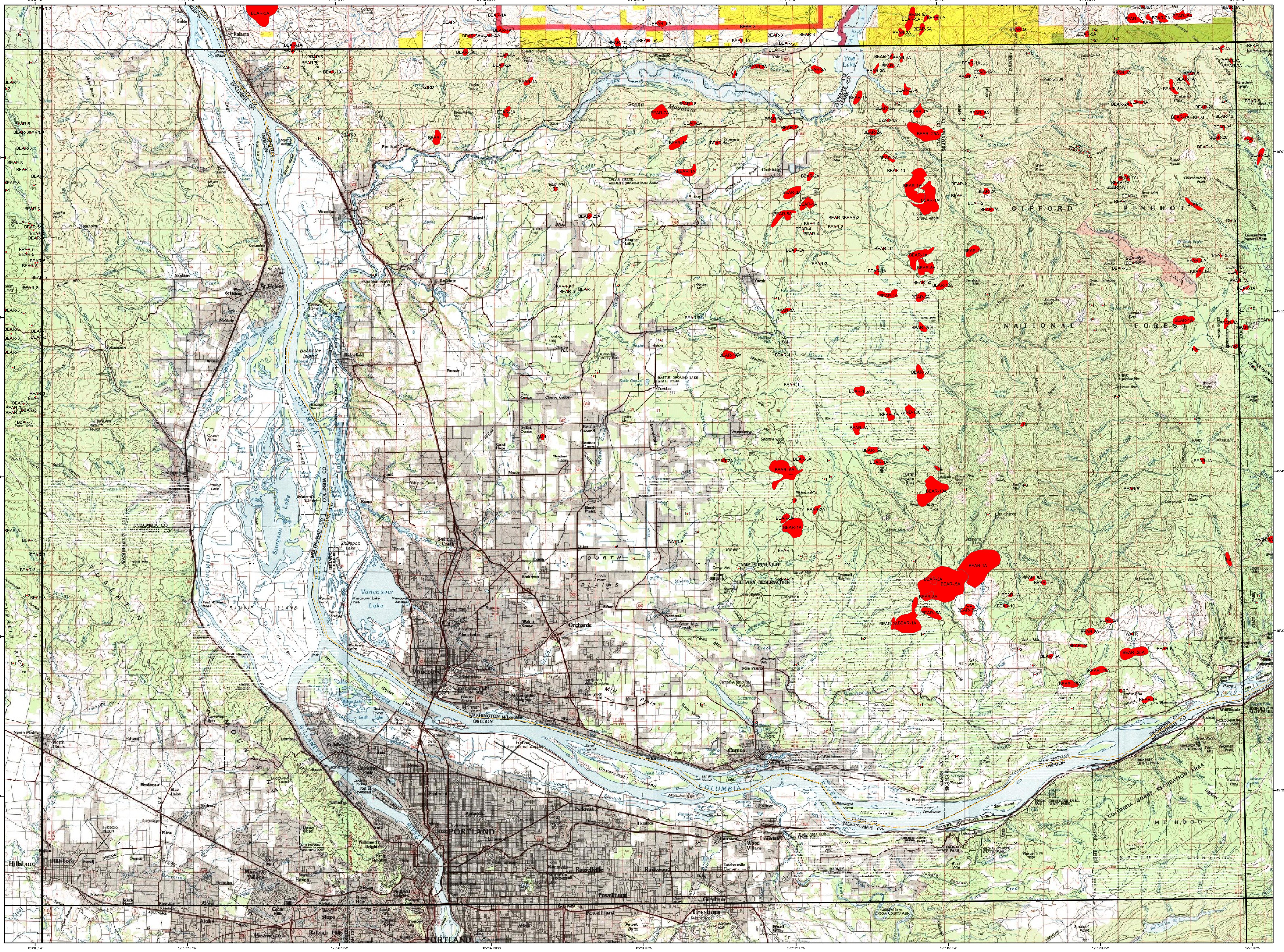


****Draft** 2008 Aerial Insect and Disease Survey **Draft****
USGS 100K Quad: Vancouver 45122-E1



Legend (For all Possible Agents)

■	Defoliating Agents
■	Mortality Agents
■	Other Damaging Agents

Coding Convention:
 The cause of damage is described by a code example: **BS=western spruce budworm**
 This is followed by a modifier. A modifier can be either: intensity of damage (**Light**, **Medium**, **Heavy**) or number of trees killed (example: **I=20 = 20 trees killed by Douglas-fir engraver**). There can be up to three damaging agent-modifier combinations recorded for each polygon. Each agent-modifier combination is separated by a "!" (example: **BS-MI-20-4A**). The color of the polygon is dictated by the first agent recorded.

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****Draft****

USGS 100K Quad: Vancouver 45122-E1
Aerial Insect and Disease Survey
 Mapscale: 1:100,000
 Friday, August 22, 2008

Vicinity Map

Area Not Flown

N E S W

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 Washington Department of Natural Resources. 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.

DISCLAIMER:
 The insect and disease data presented here are only 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 not the same as 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.

WASHINGTON STATE DEPARTMENT OF
Natural Resources
 Doug Sutherland - Commissioner of Public Lands

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