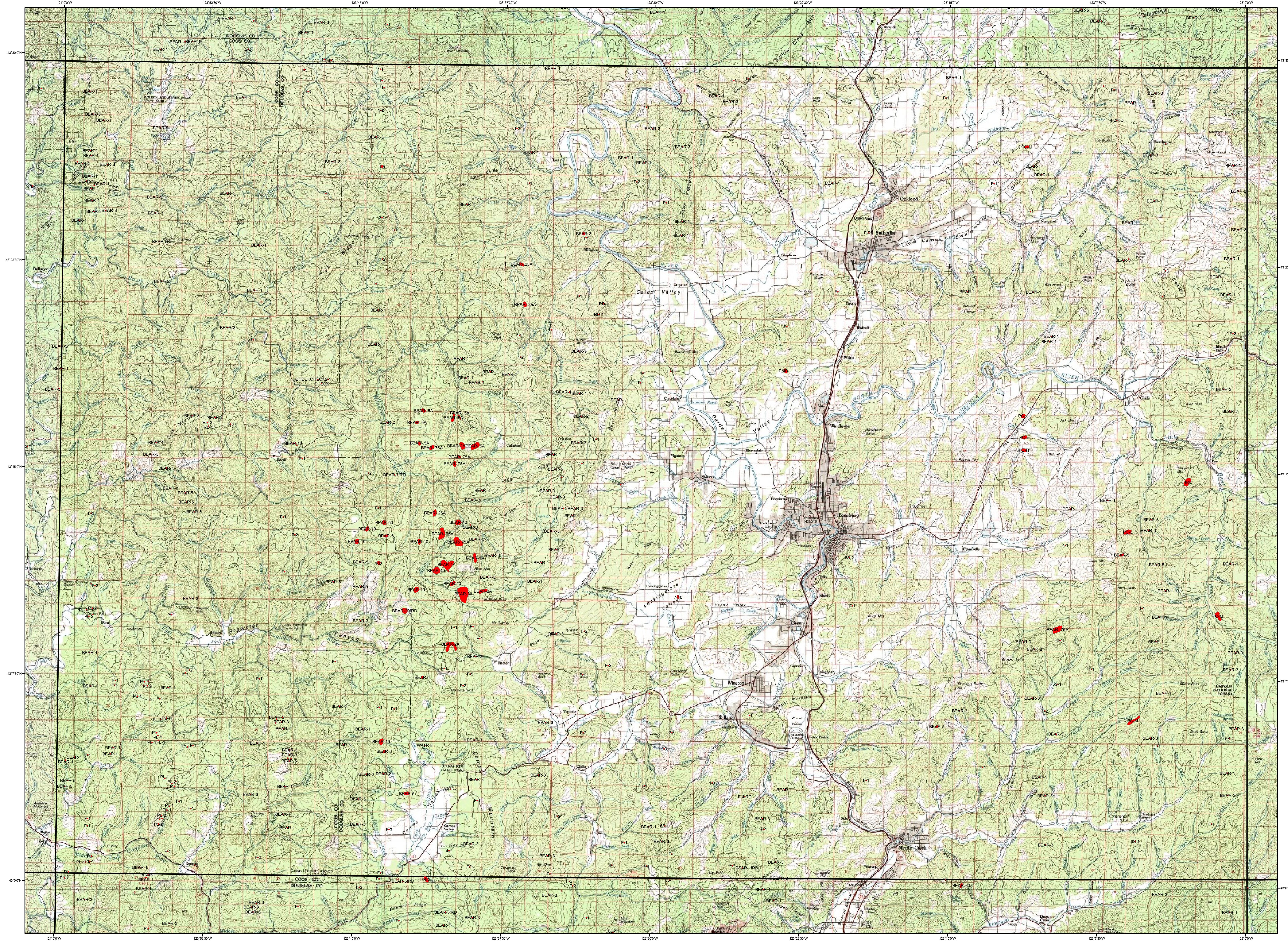


****Draft** 2008 Aerial Insect and Disease Survey **Draft****
USGS 100K Quad: Roseburg 43123-A1



Legend (For all Possible Agents)

Defoliating Agents

Code	Damaging Agent	Primary Host
AS	Spruce budworm	Silky spruce
BB	Western hemlock budworm	Hemlock, spruce, true fir
BM	Monarch caterpillar	True fir
BW	Western white pine borer	Western white pine
BY	Western tent caterpillar	Tent caterpillar
CH	Brynia's blight	Ponderosa pine
CL	Western spruce budworm	Western spruce budworm
CM	Caterpillar	Various species
CS	Western tent caterpillar	Western tent caterpillar
HL	Western hemlock looper	Western hemlock
LG	Green shield scale	Douglas-fir, Western hemlock
LL	Larch looper	Western larch
LS	Swiss needle scale	Douglas-fir
MD	Monarch caterpillar	Western hemlock
MN	Needle miner	Douglas-fir
MS	Needle miner	Douglas-fir
ND	Needle miner	Douglas-fir
NK	Needle miner	Lodgepole pine
NC	Needle miner	Lodgepole pine
NM	Needle miner	Western white pine
NT	Needle miner	Conifer
NS	Needle miner	Douglas-fir
NT	Needle miner	Sugar pine
NT	Needle miner	True fir
OL	Western white pine borer	Western white pine
PC	Pine butterfly	Ponderosa pine
PO	Pine looper	Hemlock, Douglas-fir
PH	Phantom hemlock looper	Western hemlock
PN	Pine needleborer	Ponderosa pine
PS	Pine needleborer	Jeffrey pine
RC	Needle cast	Port Orford cedar
SA	Sawfly	Conifer
SC	Sawfly	Douglas-fir
SD	Sawfly	True fir
SF	Sawfly	Hemlock
SK	Sawfly	Knobcone pine
SM	Sawfly	Alder
SNC	Swiss needle cast	Ponderosa pine
SW	Sawfly	Aspen
TA	Tent caterpillar, alder	Western larch
TC	Tent caterpillar, other	Handwoods
TM	Tent caterpillar, moth	True fir, Douglas-fir
TS	Tent caterpillar, aspen	Aspens

Mortality Agents

Code	Damaging Agent	Primary Host
1	Douglas-fir beetle	Douglas-fir
2	Douglas-fir engraver	Douglas-fir
3	Douglas-fir sawyer	Douglas-fir
4	Mountain pine beetle	Mountain pine beetle
5	Mountain pine beetle	Whitebark pine
6	Mountain pine beetle	Jeffrey pine
6K	Mountain pine beetle	Knobcone pine
6M	Mountain pine beetle	Lodgepole pine
6P	Mountain pine beetle	Ponderosa pine
6W	Mountain pine beetle	Western white pine
7	Pinus psyllid	Western pine beetle
8	Douglas-fir beetle	Ponderosa pine
8A	Douglas-fir beetle	Port Orford cedar
8B	Douglas-fir beetle	Port Orford cedar root disease
8D	Douglas-fir beetle	Port Orford cedar
8R	Douglas-fir beetle	Water damage
9	Silver fir beetle	Silver fir, true fir
9A	Silver fir beetle	Port Orford cedar
9B	Silver fir beetle	Port Orford cedar root disease
9P	Silver fir beetle	All species
9W	Silver fir beetle	Water damage
10	Western white pine borer	Western white pine
11	Western white pine borer	Port Orford cedar
12	Western white pine borer	Water damage
13	Western white pine borer	Port Orford cedar root disease
14	Western white pine borer	Port Orford cedar
15	Western white pine borer	Water damage
16	Western white pine borer	Port Orford cedar root disease
17	Western white pine borer	Port Orford cedar
18	Western white pine borer	Water damage
19	Western white pine borer	Port Orford cedar root disease
20	Western white pine borer	Port Orford cedar
21	Western white pine borer	Water damage
22	Western white pine borer	Port Orford cedar root disease
23	Western white pine borer	Port Orford cedar
24	Western white pine borer	Water damage
25	Western white pine borer	Port Orford cedar root disease
26	Western white pine borer	Port Orford cedar
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172	Western white pine borer	Port Orford cedar root disease
173	Western white pine borer	Port Orford cedar
174	Western white pine borer	Water damage
175	Western white pine borer	Port Orford cedar root disease
176	Western white pine borer	Port Orford cedar</td