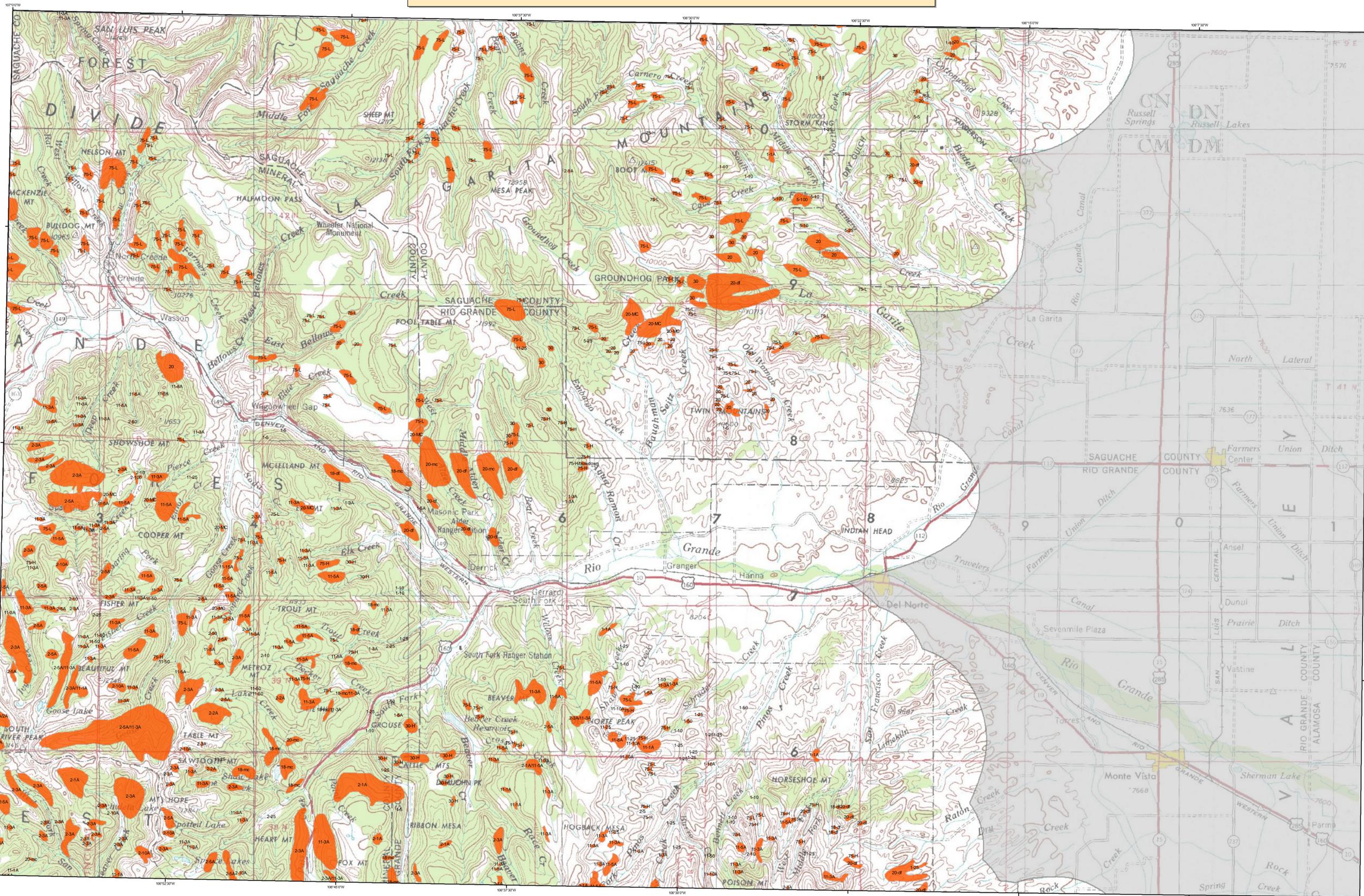


# 2008 Aerial Insect and Disease Survey Del Norte, Colorado USGS 100K TOPO!: 37106-E1

**\*\*DRAFT\*\***

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1:100,000

## Legend

**Causal Agent(s)** **Not Flown**

Use of the Number System  
Example: 5-25 = The first number before the dash is the causal agent code. The number after the dash is the number of dead "faded" trees in the polygon or point. When record dead trees are not counted, an intensity code of L, M, or H may be used after the causal agent code. Periodically, trees per acre estimates are used after the causal agent code instead of number of dead "faded" trees (or an intensity code). For example: 5-12A = The first number before the dash is the causal agent code. The number after the dash is an estimation of the number of dead "faded" trees in the polygon or point. In this case it would be an estimation that, on the average, one tree per every two acres would be a dead "faded" tree. In another example: 5-3A = that on the average, an estimated three trees per acre are dead "faded" trees. A "7" is used as a separator when a point polygon has more than one causal agent.

Code	Causal Agent	Primary Host	Code	Causal Agent	Primary Host
1	Douglas-fir beetle	Douglas-fir	49	Atropis	Lodgepole Pine
2	Engelmann spruce beetle	Engelmann Spruce	50	White pine blister rust	Softwoods
3	Mountain pine beetle	Ponderosa Pine	51	Deer tick	Softwoods
4	Mountain pine beetle	5-banded Pine	52	Elymus	Ponderosa Pine
5	Western pine beetle	Ponderosa Pine	53	Indusid msc. 50 & 59	All Tree Species
6	Fire Engulfer	Douglas-fir	54	Air pollutants	All Tree Species
7	Douglas-fir engraver beetle	Douglas-fir	55	Chemical damage	Softwoods
8	Western balsam bark beetle	Subalpine Fir	56	Lophodermium pinasti	Softwoods
9	Unidentified bark beetle	Softwoods	57	Phaeobotrya pseudotsugae	Douglas-fir
10	Unidentified bark beetle	Softwoods	58	Lophodermium acicola	Softwoods
11	Pine engraver	Lodgepole Pine	59	Lecanostoma acicola	Softwoods
12	Pine engraver	Ponderosa Pine	60	Lophodermium concolor	Softwoods
13	Ponderosa pine needle miner	Lodgepole Pine	61	Dochterstron pinii	Softwoods
14	Lodgepole pine needle miner	Ponderosa Pine	62	Needle cast (Hymenoptera)	All Tree Species
15	Jack pine budworm	Jack Pine	63	Root Rot	All Tree Species
16	Spine budworm, light defol.	Douglas-fir	64	Unidentified disease	Softwoods
17	Spine budworm, medium defol.	Douglas-fir	65	Winter damage light	All Tree Species
18	Spine budworm, heavy defol.	Douglas-fir	66	Winter damage heavy	All Tree Species
19	Douglas-fir tussock moth	Douglas-fir	67	Winter damage heavy	All Tree Species
20	Pine butterfly	Ponderosa Pine	68	Diplotis	Softwoods
21	Pine looper	Ponderosa Pine	69	Prion black stain	Common Pinon
22	Tent caterpillars	Softwoods	70	Fire	All Tree Species
23	Leaf beetles	Hardwoods	71	Porcupine	All Tree Species
24	Oak leaf roller	Hardwoods	72	Windthrow	All Tree Species
25	Pine needle-shaft miner	Ponderosa Pine	73	High water damage	All Tree Species
26	Pine sawflies	Ponderosa Pine	74	Avulsionea	Ponderosa Pine
27	Pine tussock moth	Ponderosa Pine	75	Aspen decline-multiple agents	Quaking Aspen
28	Unidentified defolator	Hardwoods	76	Prion pine mortality	Common Pinon
29	Variable oak leaf caterpillar	Hardwoods	77	Juniper mortality (unknown agents)	Juniper
30	Unidentified defolator	Softwoods	78	Giant oak decline-unknown agents)	Giant Oak
31	Heterobasidion annosum (Fomes annosus)	Softwoods	79	Limbic pine decline-multiple agents)	Limbic Pine
32	Armillaria ostroya (Armillaria mellea)	Softwoods	80	Hail damage	All Tree Species
33	Pityospora schweinitzi	Softwoods	81	Unknown polygon	Unknown
34	Phomopsis	Softwoods	82	Unid. prion mortality	Common Pinon
35	Cataglyphis	Softwoods	83	Unid. prion mortality	Lodgepole Pine
36	Western gall rust	Unknown	84	Unid. prion mortality	Lodgepole Pine
37	Unid. prion mortality	Lodgepole Pine	85	Unid. prion mortality	Lodgepole Pine
38	Shagbark elm rust	Lodgepole Pine	86	Unid. prion mortality	Lodgepole Pine
39	Unid. prion mortality	Lodgepole Pine	87	Unid. prion mortality	Lodgepole Pine
40	Unid. prion mortality	Lodgepole Pine	88	Unid. prion mortality	Lodgepole Pine
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42	Unid. prion mortality	Lodgepole Pine	90	Unid. prion mortality	Lodgepole Pine
43	Unid. prion mortality	Lodgepole Pine	91	Unid. prion mortality	Lodgepole Pine
44	Unid. prion mortality	Lodgepole Pine	92	Unid. prion mortality	Lodgepole Pine
45	Unid. prion mortality	Lodgepole Pine	93	Unid. prion mortality	Lodgepole Pine
46	Unid. prion mortality	Lodgepole Pine	94	Unid. prion mortality	Lodgepole Pine
47	Unid. prion mortality	Lodgepole Pine	95	Unid. prion mortality	Lodgepole Pine
48	Unid. prion mortality	Lodgepole Pine	96	Unid. prion mortality	Lodgepole Pine
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