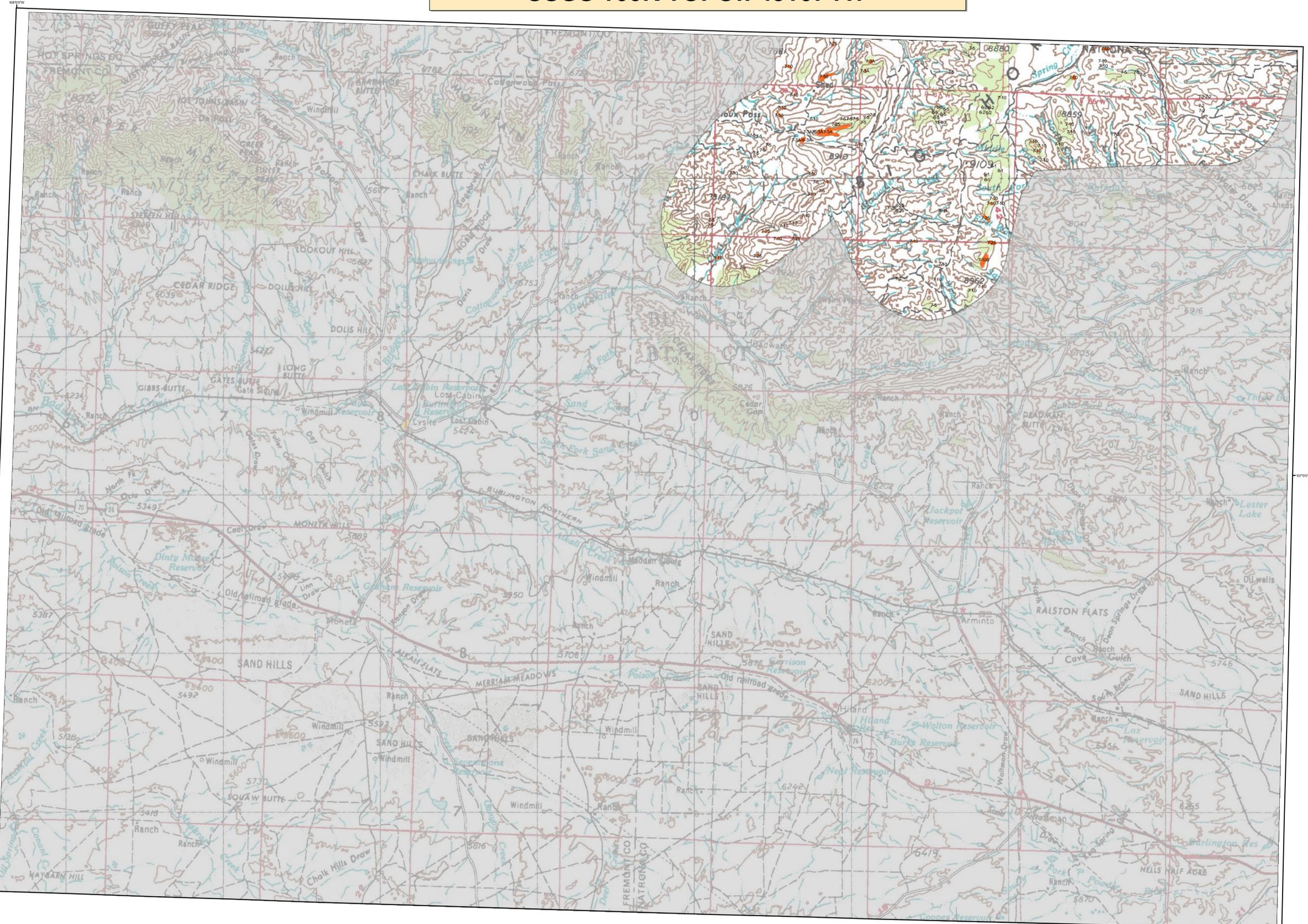


2010 Aerial Insect and Disease Survey Lysite, Wyoming USGS 100K TOPO!: 43107-A1

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Legend

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 "trader" trees in the polygon or point. When recent dead trees are not counted, an intensity code of L-light, M-moderate, and H-high may be used after the causal agent code. Periodically, trees per acreage estimates are used after the causal agent code instead of number of dead "trader" 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 "trader" trees in the polygon per acre. In this case it would be an estimation that, on the average, one tree per every two acres would be a dead "trader" tree. In another example: 5-3A = that on the average, an estimated three trees per acre are dead "trader" trees. A "Y" is used as a separator when a point/polygon has more than one causal agent code.

| Code | Causal Agent | Primary Host | Code | Causal Agent | Primary Host | Code | Causal Agent | Primary Host |
|------|---------------------------------------|------------------|------|---------------------------------------|------------------|------|--------------|--------------|
| 1 | Douglas fir beetle | Douglas fir | 40 | Algal leaf | Lodgepole Pine | | | |
| 2 | Engelmann Spruce Beetle | Engelmann Spruce | 41 | White pine blister rust | Needle Pine | | | |
| 3 | Mountain pine beetle | Ponderosa Pine | 42 | Dwarf mistletoe | Softwoods | | | |
| 4 | Mountain pine beetle | Lodgepole Pine | 43 | Rhyacionia | Softwoods | | | |
| 5 | Mountain pine beetle | Needle Pine | 44 | Includes #05, 06 & 08 | All Tree Species | | | |
| 6 | Western pine beetle | Ponderosa Pine | 45 | Air pollutants | All Tree Species | | | |
| 7 | Fire Engraver | White Fir | 46 | Chemical damage | All Tree Species | | | |
| 8 | Douglas fir engraver beetle | Douglas fir | 47 | Lophodermium pinastri | Softwoods | | | |
| 9 | Western bark beetle | Subalpine Fir | 48 | Lophodermium concolor | Softwoods | | | |
| 10 | Undersized bark beetle | Lodgepole Pine | 49 | Leptostroma acicula | Softwoods | | | |
| 11 | Pine engraver | Ponderosa Pine | 50 | Leptostroma acicula | Softwoods | | | |
| 12 | Pine engraver | Lodgepole Pine | 51 | Dobsonia gini | Softwoods | | | |
| 13 | Pine engraver | Ponderosa Pine | 52 | Needle cast (Hypodemateaceae) | Softwoods | | | |
| 14 | Pine engraver | Ponderosa Pine | 53 | Root Rot | All Tree Species | | | |
| 15 | Ponderosa pine needle miner | Lodgepole Pine | 54 | Unidentified disease | Softwoods | | | |
| 16 | Ponderosa pine needle miner | Ponderosa Pine | 55 | Winter damage light | All Tree Species | | | |
| 17 | Jack pine budworm | Jack Pine | 56 | Winter damage medium | All Tree Species | | | |
| 18 | Spruce budworm, light defol. | Douglas fir | 57 | Winter damage heavy | All Tree Species | | | |
| 19 | Spruce budworm, medium defol. | Douglas fir | 58 | Diplobola | Softwoods | | | |
| 20 | Spruce budworm, heavy defol. | Douglas fir | 59 | Pinyon bark stain | Common Pinyon | | | |
| 21 | Douglas fir tussock moth | Ponderosa Pine | 60 | Fire | All Tree Species | | | |
| 22 | Pine butterfly | Ponderosa Pine | 61 | Pinejuice | All Tree Species | | | |
| 23 | Pine looper | Ponderosa Pine | 62 | Wintrow | All Tree Species | | | |
| 24 | Pine tortrix | Softwoods | 63 | High water damage | All Tree Species | | | |
| 25 | Tart caterpillars | Hardwoods | 64 | Avian | All Tree Species | | | |
| 26 | Leaf beetles | Hardwoods | 65 | Aspen decline-multiple agents | Quaking Aspen | | | |
| 27 | Oak leaf miner | Hardwoods | 66 | Pinyon pine mortality | Common Pinyon | | | |
| 28 | Pine needle-shaft miner | Ponderosa Pine | 67 | Juniper mortality-unknown agents | Juniper | | | |
| 29 | Pine sawfly | Ponderosa Pine | 68 | Unknown polygon | Common Pinyon | | | |
| 30 | Variable oak leaf caterpillar | Hardwoods | 69 | Limber pine mortality | Limber Pine | | | |
| 31 | Unidentified defoliator | All Tree Species | 70 | Hail damage | All Tree Species | | | |
| 32 | Heteroecious anemone (Fomes anemosa) | Softwoods | 71 | Amelanchier (Amelanchier melanocarpa) | Softwoods | | | |
| 33 | Variable oak leaf caterpillar | Hardwoods | 72 | Polygonus schweinfertii | Softwoods | | | |
| 34 | Unidentified defoliator | All Tree Species | 73 | Cytospora | All Tree Species | | | |
| 35 | Heteroecious anemone (Fomes anemosa) | Softwoods | 74 | Western gall rust | Unknown | | | |
| 36 | Amelanchier (Amelanchier melanocarpa) | Softwoods | 75 | Comstock rust | Unknown | | | |
| 37 | Polygonus schweinfertii | Softwoods | 76 | Comstock rust | Unknown | | | |
| 38 | Polygonus schweinfertii | Softwoods | 77 | Comstock rust | Unknown | | | |
| 39 | Cytospora | All Tree Species | 78 | Comstock rust | Unknown | | | |
| 40 | Western gall rust | Unknown | 79 | Comstock rust | Unknown | | | |
| 41 | Comstock rust | Unknown | 80 | Comstock rust | Unknown | | | |
| 42 | Comstock rust | Unknown | 81 | Comstock rust | Unknown | | | |
| 43 | Comstock rust | Unknown | 82 | Comstock rust | Unknown | | | |
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