

Aerial Detection Survey - 2011

Significant Pest Activity

-  **Aspen Defoliation**
143,764 acres
-  **Alder Dieback**
142,005 acres
-  **Alder Defoliation**
123,033 acres
-  **Birch Defoliation**
76,717 acres
-  **Willow Defoliation**
63,861 acres
-  **Spruce & Ips Beetle**
55,485 acres
-  **Active Cedar Decline**
26,804 acres

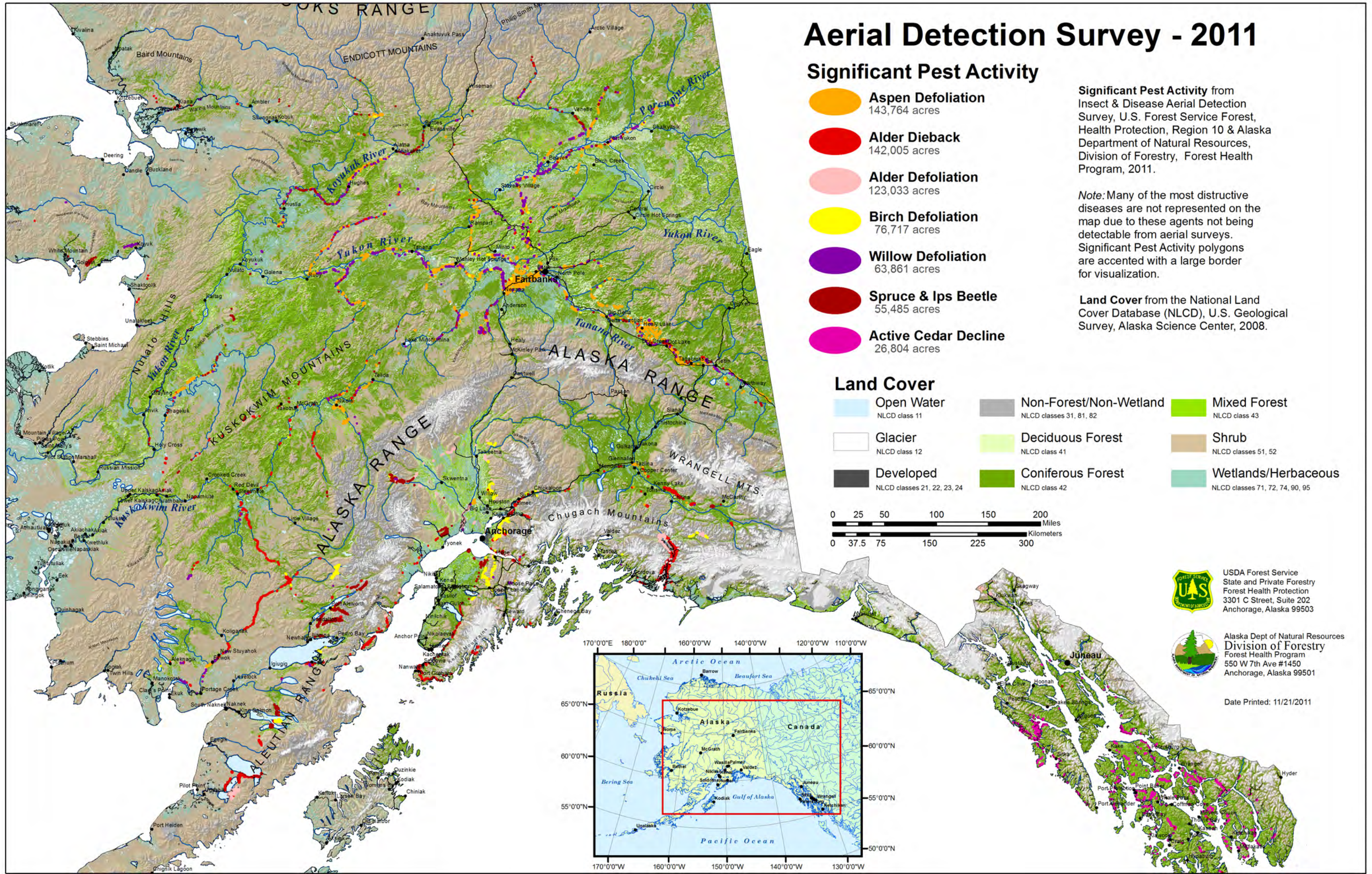
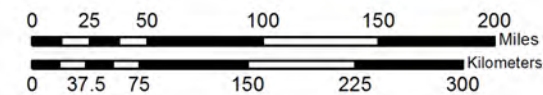
Significant Pest Activity from Insect & Disease Aerial Detection Survey, U.S. Forest Service Forest, Health Protection, Region 10 & Alaska Department of Natural Resources, Division of Forestry, Forest Health Program, 2011.

Note: Many of the most destructive diseases are not represented on the map due to these agents not being detectable from aerial surveys. Significant Pest Activity polygons are accented with a large border for visualization.

Land Cover from the National Land Cover Database (NLCD), U.S. Geological Survey, Alaska Science Center, 2008.

Land Cover

- | | | |
|--|---|--|
|  Open Water NLCD class 11 |  Non-Forest/Non-Wetland NLCD classes 31, 81, 82 |  Mixed Forest NLCD class 43 |
|  Glacier NLCD class 12 |  Deciduous Forest NLCD class 41 |  Shrub NLCD classes 51, 52 |
|  Developed NLCD classes 21, 22, 23, 24 |  Coniferous Forest NLCD class 42 |  Wetlands/Herbaceous NLCD classes 71, 72, 74, 90, 95 |



 USDA Forest Service
State and Private Forestry
Forest Health Protection
3301 C Street, Suite 202
Anchorage, Alaska 99503

 Alaska Dept of Natural Resources
Division of Forestry
Forest Health Program
550 W 7th Ave #1450
Anchorage, Alaska 99501

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Map 2. Survey flight paths from 2011 aerial survey and general ownership. Map composition by Hans Buchholdt, AK DNR.

