

# Aerial Detection Survey - 2012

## Significant Pest Activity










-  Aspen Defoliation  
82,704 acres
-  Alder Dieback  
16,422 acres
-  Alder Defoliation  
58,240 acres
-  Birch Defoliation  
177,911 acres
-  Willow Defoliation  
47,940 acres
-  Spruce & Ips Beetle  
19,817 acres
-  Active Cedar Decline  
17,345 acres

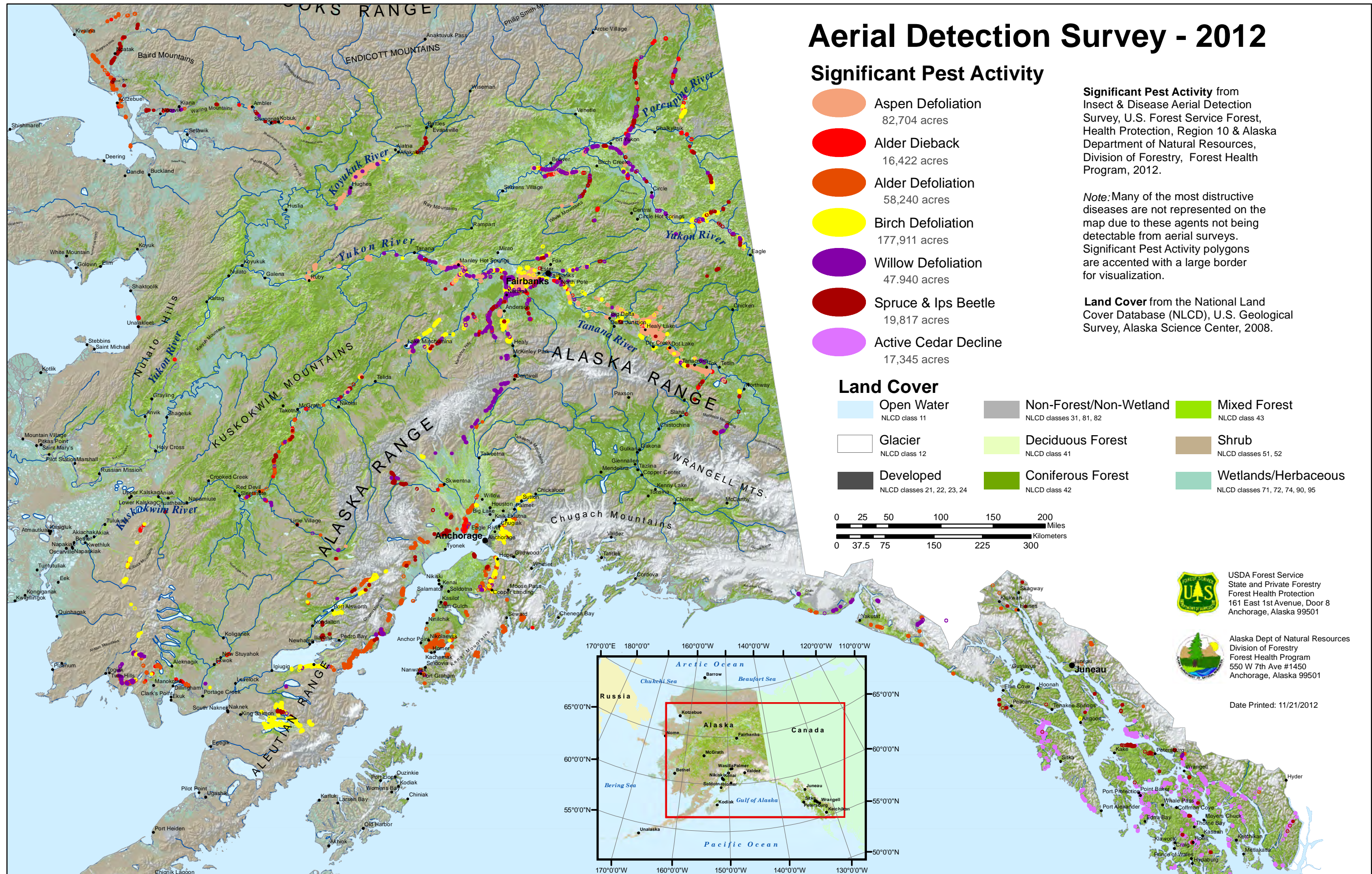
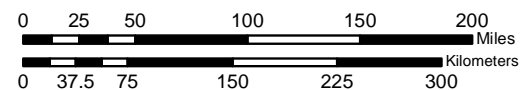
Significant Pest Activity from Insect & Disease Aerial Detection Survey, U.S. Forest Service Forest, Health Protection, Region 10 & Alaska Department of Natural Resources, Division of Forestry, Forest Health Program, 2012.

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



 USDA Forest Service  
State and Private Forestry  
Forest Health Protection  
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Map 1. Aerial Detection Survey- 2012 significant pest activity. See table 1 and footnote 6 on page 7 for more information on birch defoliation. Map composition by Hans Buchholdt,



# Alaska Aerial Detection Survey Flight Paths 2012

 Survey Transects


### Land Manager


	U.S. Forest Service	5,095,672
	National Park Service	4,326,934
	U.S. Fish & Wildlife Service	2,519,404
	Bureau of Land Management	1,639,552
	Department of Defense	175,626
	State of Alaska	7,251,120
	Alaska Native Corporation (Private)	4,902,837
	Local Government & Other Private	2,317,629

**Total Land Acres Flown 28,228,774 Acres**

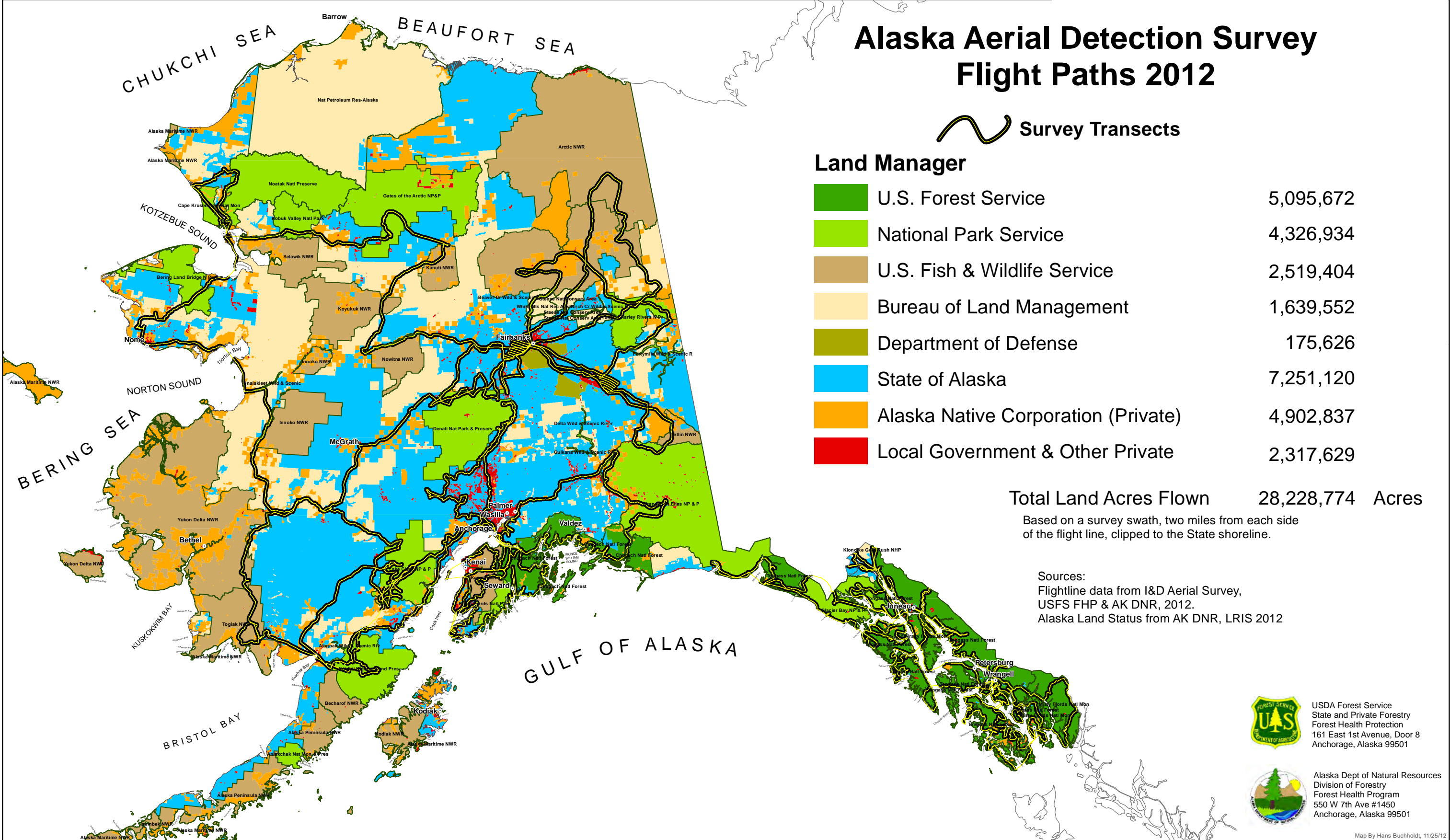
Based on a survey swath, two miles from each side of the flight line, clipped to the State shoreline.

Sources:  
Flightline data from I&D Aerial Survey,  
USFS FHP & AK DNR, 2012.  
Alaska Land Status from AK DNR, LRIS 2012

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Map By Hans Buchholdt, 11/25/12



Map 2. Survey flight paths from 2012 aerial survey and general ownership. Map composition by Hans Buchholdt, AK DNR.