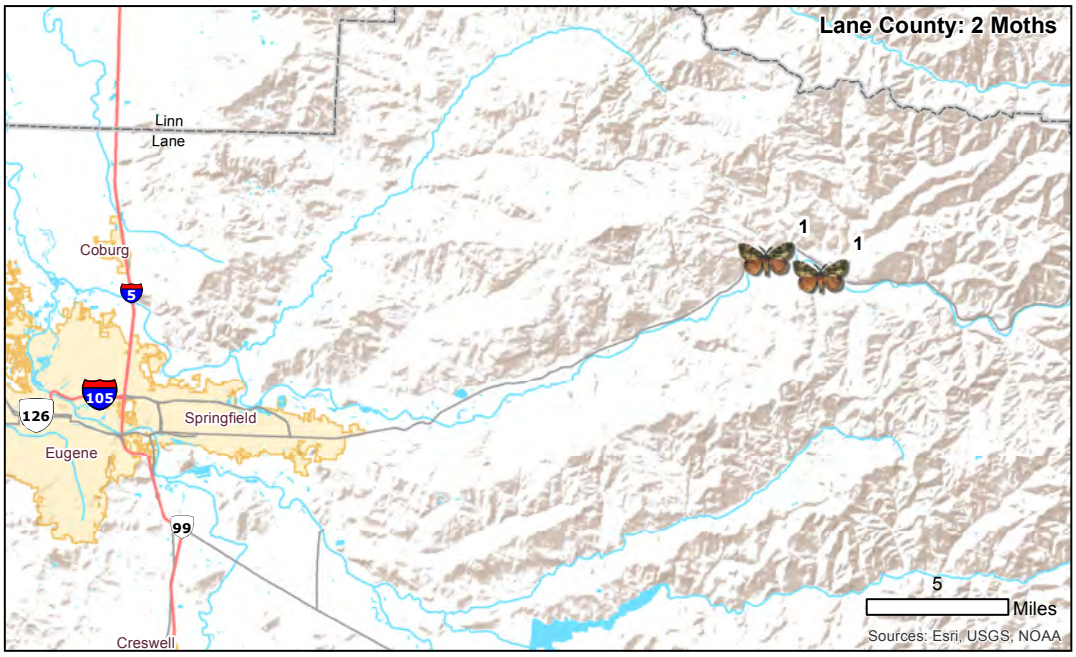
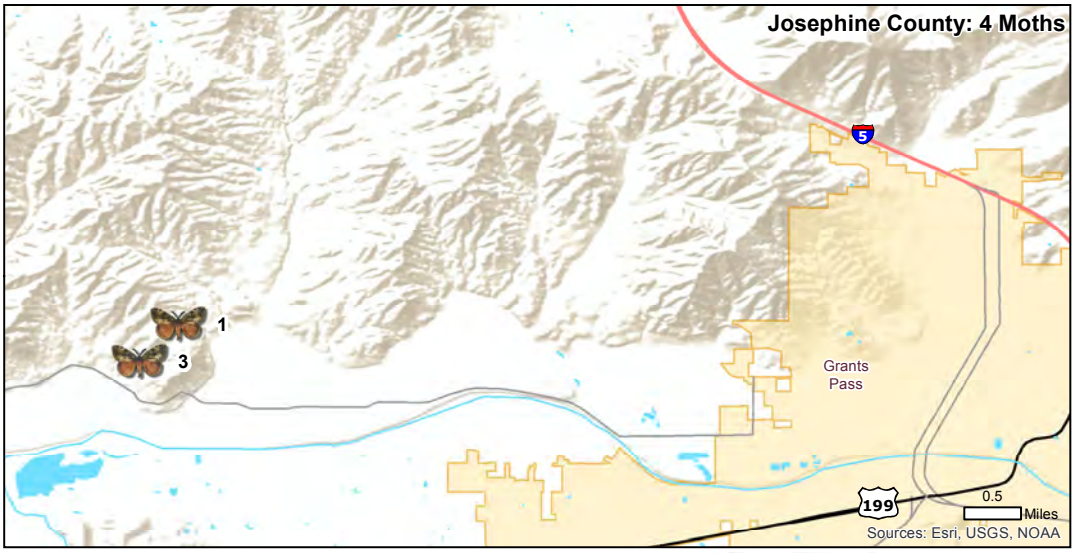
Gypsy Moth in Oregon
– 2016 –

2016 Oregon Gypsy Moth Detections

Total Moths Caught: 6 GM





gypsy moth trap catch

GypsyMothStatusMap_Split2016.mxd
Prepared by: KAS
Oregon Lambert Projection NAD 83
Data Source: Esri, Oregon Geospatial Data Clearinghouse, ODA, ODOT, USGS, DEQ
January 6, 2016

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Gypsy Moth Eradication and Detection Programs in Oregon - 2016

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Oregon Department of Agriculture (ODA) trapped two Asian gypsy moths (AGM) near Port of Portland in 2015. Washington State Department of Agriculture trapped an additional AGM at the Port of Vancouver, about 4 miles north across the Columbia River. The three AGM catches near seaports and additional nine AGM catches in Washington prompted USDA to convene a Technical Working Group (TWG) in the fall of 2015 to evaluate response strategies to the high AGM catches in the Pacific Northwest. The TWG recommended that all multiple AGM catch sites near or associated with seaports be targeted for eradication treatments in the spring of 2016. Oregon's eradication site included St Johns and Forest Park where AGM were caught, totaling 8674 acres. The biological pesticide *Bacillus thuringiensis* var. *kurstaki* (i.e., Foray 48B) was applied three times by air in the spring of 2016 to eradicate the AGM. This was the third largest GM/AGM eradication program in Oregon's history.

Oregon Department of Agriculture (ODA) routinely conducts extensive survey programs for gypsy moth (GM, *Lymantria dispar*) and its Asian strain (Asian gypsy moth, AGM). Both moths can be detected with the same trap and lure.

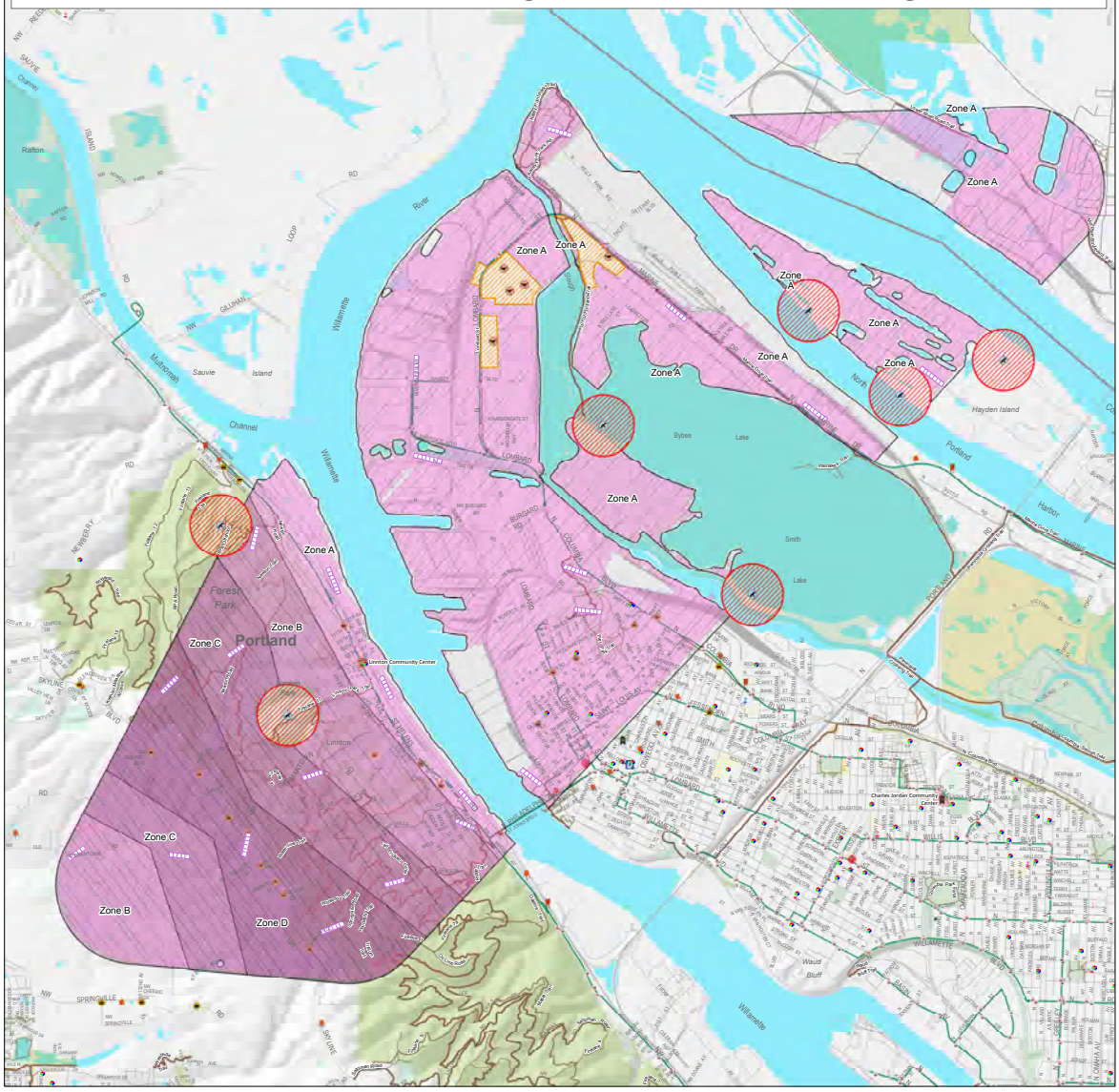
ODA placed 4,855 GM and 11,018 AGM traps (total 15,873 traps) throughout Oregon in 2016. Twenty nine out of 36 counties were trapped either for GM, AGM or both. In addition, USDA APHIS placed 85 AGM traps in the high risk areas of Port of Portland environs. Six GM were trapped statewide from two sites: Vida, Lane County and Grants Pass, Josephine County. Of the six GM, four were caught in two traps placed by ODA in Grants Pass. These four moths were trapped within the delimitation grid placed in response to the previous three-year's positive catches in the area - 2015 (seven moths), 2014 (four moths) and 2013 (two moths). ODA canvassed the area in 2014 and 2015, talked with residents and distributed gypsy moth alerts and flyers. However, we did not locate a potential local source such as a move-in. We caught two GM in two traps in the rural area of Vida, Lane County, a new site. However, no moth was

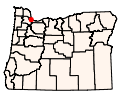
trapped in any of last year's positive catch sites except Grants Pass. Delimitation trapping will be conducted in 2017 at all sites where gypsy moths were caught in 2016 and 2015.

AGM populations in Asia and the Russian Far East continue to pose a threat to the US and Oregon. International trade and commerce activities increase the likelihood of new introductions. Oregon's AGM trapping program included major cities, ports, highways, and railroads receiving or transporting cargo and containers originating from Asia. We also incorporated the USDA APHIS AGM risk model into our trapping grid allocation. We placed 11,018 AGM traps in 2016 concentrating on AGM eradication site in Portland. Major ports and waterways at risk from ships carrying AGM egg masses were trapped including about 90 miles of the Columbia River (from Astoria to Portland), the Port of Portland and the port of Coos Bay (Coos County).

Follow-up trapping did not detect any AGM or GM in the eradication area, indicating the eradication effort was a success. No eradication treatments are planned for 2017 anywhere in Oregon. However, the AGM eradication site in Portland will be trapped for two more seasons (2017 and 2018) before a complete eradication can be declared.

2016 Asian and European Gypsy Moth Treatment
N and NW Portland, Oregon and Vancouver, Washington





AGM Treatment Area

Child Care Facility
Grid Line (approximate)
B.t.k. treatment coverage 4-25 and 4-26
School bus stop (approximate)
Active Bald Eagle Nesting Site
2015 Streaked Horned Lark Nesting Site
Highway Sign–ODOT
Street Sign–ground crew
No Disturbance Zone-1000 feet
No Disturbance Zone

City halls
Community Centers
Fire stations
Hospitals
Preschool and kindergarten
Elementary schools
Middle or junior high schools
High schools
Various grade levels
Libraries
Airports

Park and ride lots
Transit stops
Existing, MAX
Existing, Street Car
Existing, WES
Under construction, MAX
Under construction, Street Car
Planned, MAX
Planned, Street Car
Transit lines
Regional Trails
Community Trails
Local Trails

Treatment Zone
Zone A
Zone B
Zone C
Zone D

Park
Open space
Common area
Cemetery
Golf Course
School
Pool
Tennis Courts
Fairgrounds/stadium
Community centers
Sidewalk/Trail
Community Garden

Approximate Eradication Area Acres:

Zone A: 5155 acres
Zone B: 933 acres
Zone C: 945 acres
Zone D: 890 acres

7923 total acres

0.5 Miles

Oregon Department of Agriculture

IPPM

Prepared By: Jackson
Printing Date: April 28, 2016
Map Projection: OR Lambert Fr
Horizontal Datum: NAD83
Filename: Asia_2016_AmNW_Mt_coverage_small.mxd
Deadline: Portland Metro

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