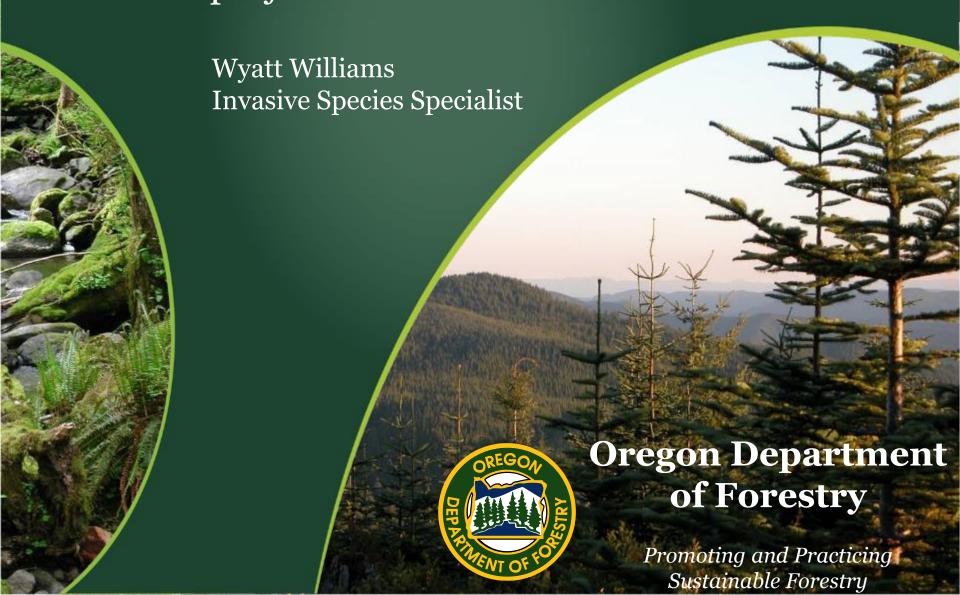
Update: 2015-2016 Asian gypsy moth eradication project



Gypsy moth (Lymantria dispar)



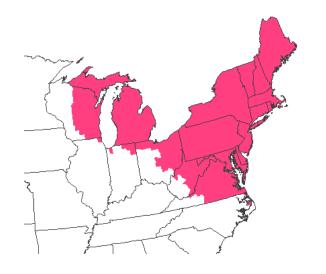
Gypsy moth (Lymantria dispar)

European GM

- In eastern U.S. since 1869
- 20 states, 4 provinces
- 80+ million acres defoliated
- >\$260M suppression costs

Asian GM

- Not established in U.S.
- In Oregon traps 1991, 2000, 2006 and 2015
- Females can fly
- International cargo, vessels







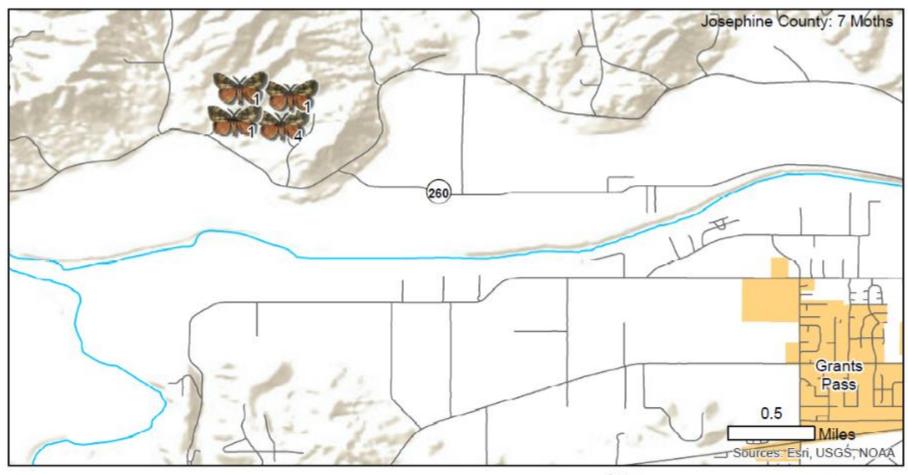
Great tools for early detection

• Trapping in OR since 1979





2015 Gypsy Moth – Southern OR







Positive Gypsy Moth Trap



Confirmed Asian Gypsy Moth

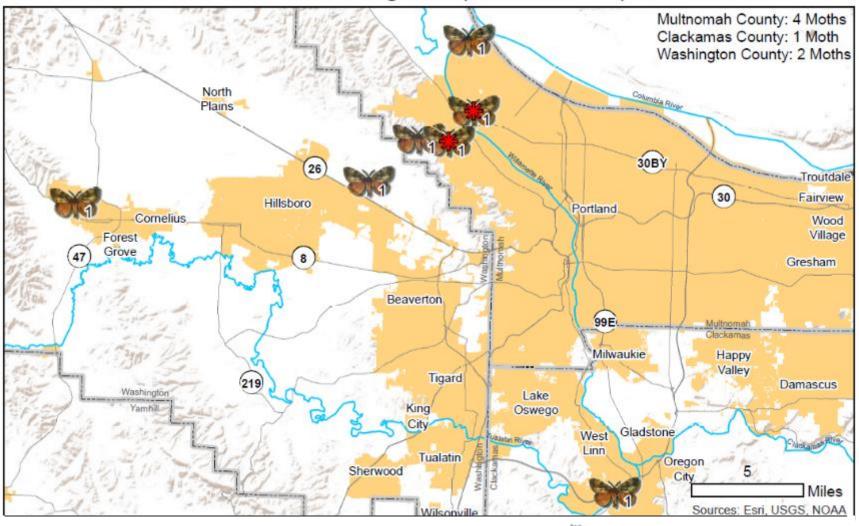




GypsystethOlatusMap.mrd NAS 8-27-15 Oregon Lambert Projection NAD 83 Data Source: Esri, Oregon Geospatal Data Clearinghouse, OR Dept. of Agriculture, DDOT, NOA, USGS

This product is far informations purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information success to ascertain the usability of the information.

2015 Gypsy Moth – Northern OR







Positive Gypsy Moth Trap



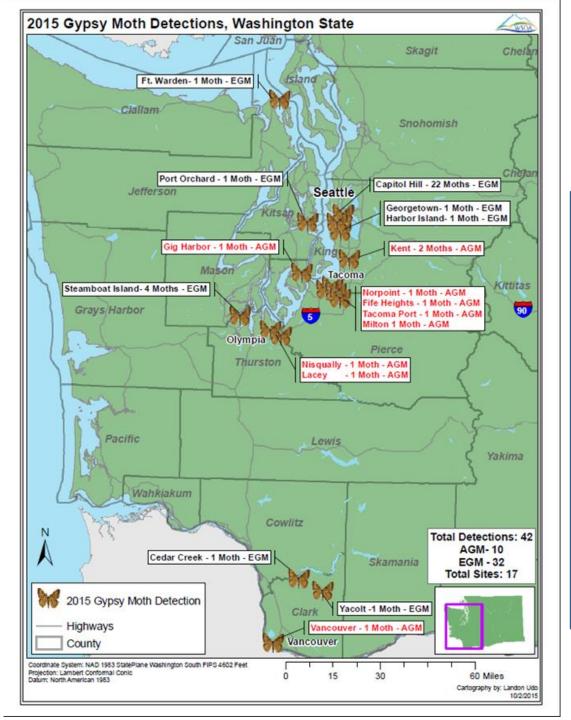
Confirmed Asian Gypsy Moth





Gyecylicth@tatueMap.mxd KAS 8-27-15 Oregon Lambert Projection NAD 83 Data Cource: Esri, Oregon Debagater Data Clearinghouse, OR Dept. of Agriculture, ODOT, NOAA, USGS

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2015 Gypsy moth Washington

Summary of OR and WA:

Oregon:

EGM 12

AGM 2

Washington:

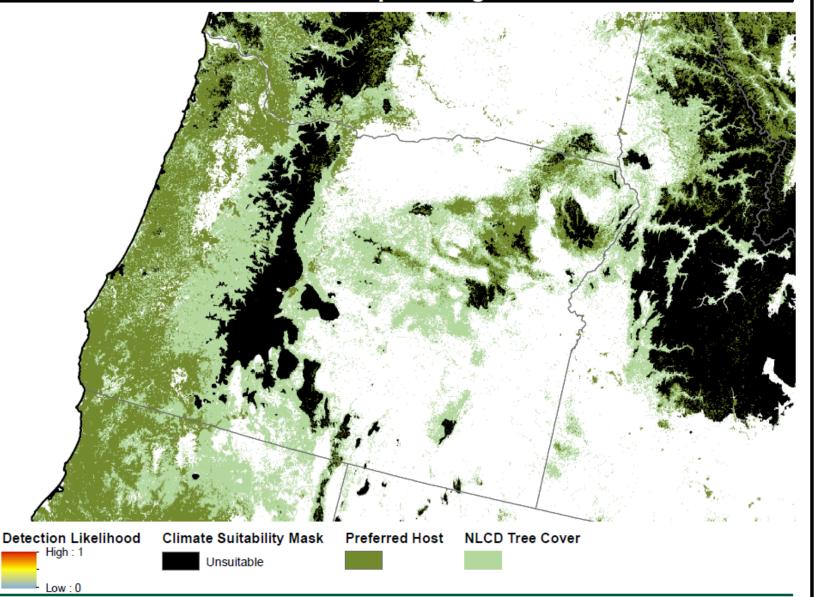
EGM 32

AGM 10

Total moths: 56

European Gypsy Moth *Lymantria dispar dispar*Establishment Map for Oregon



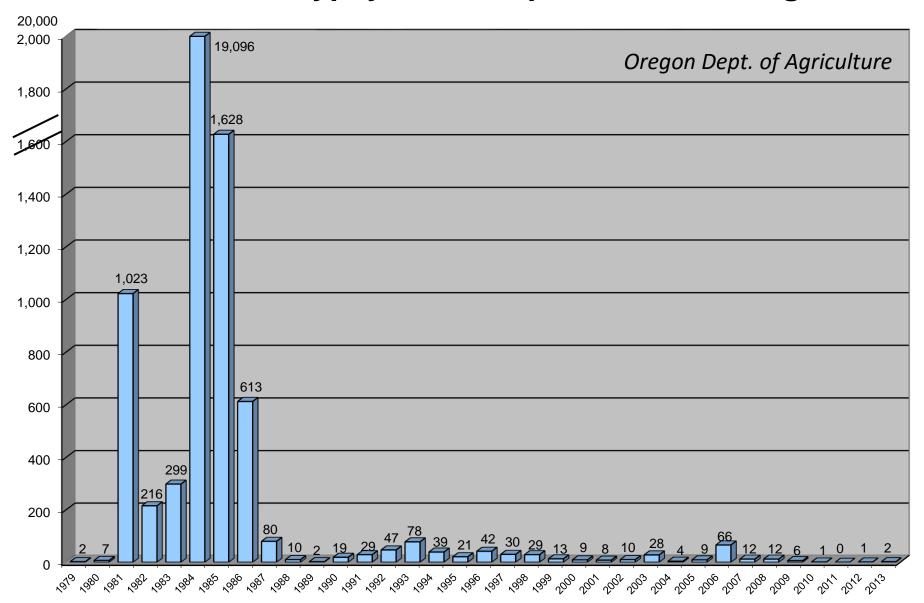


Oregon Potential Economic Costs

- Costs of quarantines to nursery (\$803 million;85% exported) and Christmas tree industries (\$100 million; 90% exported)
- Forestry production (hardwoods and fir)
- Increased pesticide use by private landowners (urban, nurseries, and private forests)



Annual Gypsy Moth Trap Catches in Oregon



Gypsy moth in Oregon – Historical Context

- 1979: GM trapping begins in Oregon
- 1984: 19,000 moths trapped– 1,200 mi²; Lane Co.
- 1985: 225,000 acres treated; 400 moths trapped
- 1986: 186,000 acres treated; 41 moths trapped
- 1987: 0 acres treated; 15 moths trapped
- 1988: 1 moth trapped
- 1989: 0 moths trapped

"If steps are not taken now to eradicate the gypsy moth in Oregon, it is very probably that the insect will become widespread and attempts to control it will take the form of suppressing populations, not eliminating them."

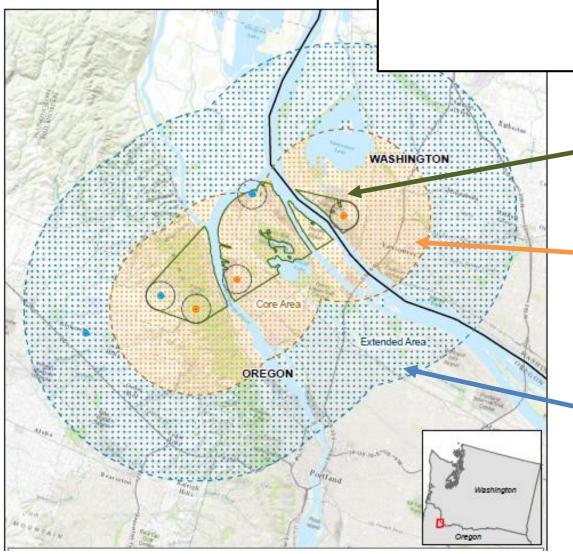
REPORT OF THE TECHNICAL WORKING GROUP FOR THE RESPONSE TO ASIAN GYPSY MOTH CAPTURES WASHINGTON-OREGON 2015

OCTOBER 30, 2015

9,400 acres in spray area

33,400 acre core area, 2500 traps

73,000 acre extended area 2850 traps



Response Plan

Oct – Nov	Nov – Feb	Feb – Mar	Mar – May
Stakeholders	Analysis	RFP	Spray Notices
Authorities	NEPA	Finalize Draft EA	Safety Plan
Communication	NPDES	/ BA	Heliport
Declaration	Public Meetings	ICS Planning	Pre-Work
	Notification	Phenology	Calibration
	Approval(s)	Credentialing	Application
Notification	Planning	Logistics	Implementation
	Prioritization	Resource	

Management

Catalog

Library

Maps

Online Services



College of Forestry

Oregon Forest Pest Detectors

Home >

Asian Gypsy Moth

Background



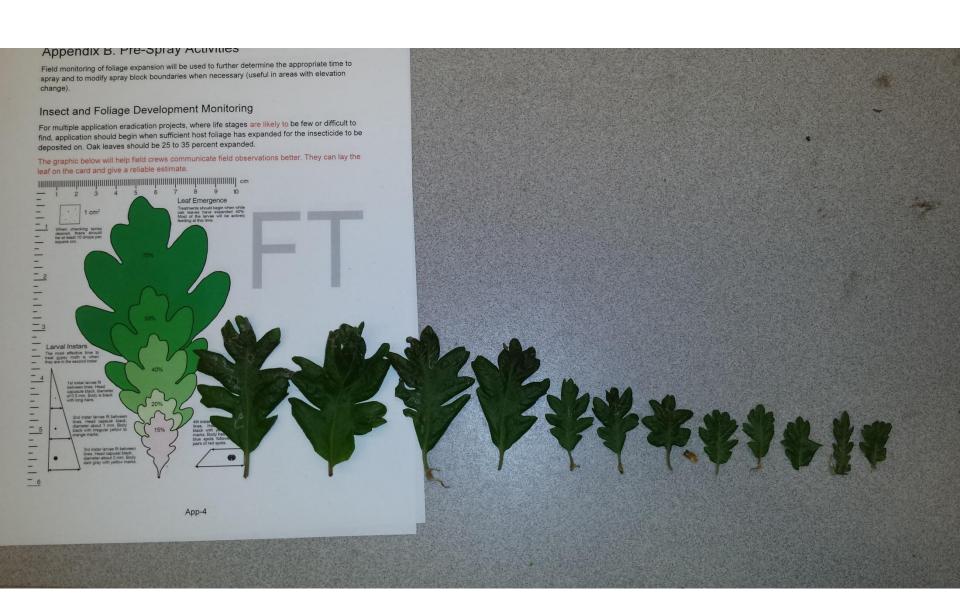








Sentinel egg masses placed in the field January 14, 2016 2 at Terminal 6, 1 at Terminal 4



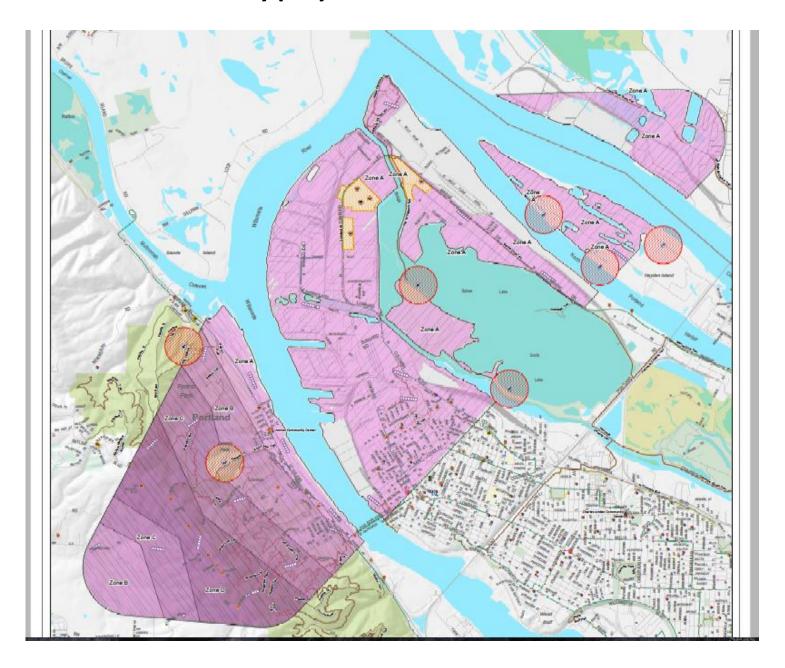








Asian Gypsy Moth Eradication









Summary

- Multi-agency ICS to eradicate a forest/ag pest
- Treatments complete; next stage: delimitation trapping
- By August, we will know if treatments are required in 2017
- Lessons learned in forest health emergency



Gypsy moth ID



ADULT



EGG



LARVA (Caterpillar)



Questions?



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