

CAPS Survey Accomplishment Report Template

CAPS Survey Report

Year:	FY2017
State:	Alaska
Cooperative Agreement Name:	Asian Defoliating Moths Survey
Cooperative Agreement Number:	AP17PPQFO000C138
Project Funding Period:	4/1/2017 - 12/31/2017
Project Report:	CAPS Survey Report
Project Document Due Date:	3/30/2018
Cooperators Project Coordinator:	Alaska Division of Agriculture
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Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" type="checkbox"/>

Write a brief narrative of work accomplished. Compare actual accomplishments to objectives established as indicated in the work plan. When the output can be quantified, a computation of cost per unit is required when useful.*

During Summer 2017, the Alaska Department of Natural Resources, Division of Agriculture, in cooperation with USDA Animal and Plant Health Inspection Service, Plant Protection and Quarantine (APHIS-PPQ), conducted detection surveys for Asian Gypsy Moth (AGM) (*Lymantria dispar asiatica*), Rosy Gypsy Moth (*L. mathura*), Nun Moth (*L. monacha*), and the Siberian Silk Moth (*Dendrolimus sibiricus*). Survey participants throughout the state representing the Cooperative Extension Service (CES), Customs and Border Protection (CBP), and various volunteers deployed 360 monitoring traps statewide.

Trapping efforts this past summer focused primarily on the likely pathways for introduction, particularly targeting port communities, international borders, shipping and container facilities, and high use recreational sites. The Asian Gypsy Moth, for example, has been documented numerous times on the superstructures of ships and cargo originating from infested ports and locations in Asia where the species occurs natively.

Summer 2014, CBP intercepted AGM egg masses on a bulk carrier vessel in Juneau, Alaska. In previous years, interceptions by CBP Agriculture Officers have been made near Ketchikan on ships originating from Asia. AGM interceptions have also been numerous in the Pacific Northwest this year. The Division of Agriculture is continuing this survey and monitoring effort in 2018 and will work with appropriate cooperators to continue these survey efforts. The trapping survey provides a second line of defense to CBP detection efforts in the event the targeted species are not initially detected at the source of transport.

Gypsy Moth monitoring began in Alaska in 1983 and positive identifications of Gypsy Moth, either from detection surveys or port interceptions, were made in 1985, 1987, 1992, 1999, 2004, 2006, 2008, 2012, and 2014. All of the trap detections were singletons. The most recent positive trap detection for the European Gypsy Moth in Alaska was in 2006, in Fairbanks near an RV park.

Although targeted invasive Lepidoptera have been detected in traps deployed in Alaska, so far, they have only been isolated individuals and reproducing populations are not known to be established. Recent offshore vessel detections warrant a concern for the possibility of overwintering egg masses in or near Alaska's port communities. Interagency cooperation and support in these survey efforts is essential to maintaining an early detection, rapid response network throughout the state.

Funding Amount	Total Number of Traps	Cost Per Unit
Proposed = \$45,000	Proposed = 725	Proposed = \$62
Actual = \$30,000	Actual = 460	Actual = \$65

1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	Asian Gypsy Moth Nun Moth Rosy Gypsy Moth Siberian Silk Moth	<i>Lymantria dispar asiatica</i> <i>Lymantria monacha</i> <i>Lymantria mathura</i> <i>Dendrolimus sibiricus</i>

	Proposed	Actual
Sites (Locations):	Statewide focusing on port environs and the pathway continuum to inland locations.	Statewide focusing on port environs and the pathway continuum to inland locations.
Traps:	250 AGM Traps 40 Nun Moth Traps 40 Rosy Moth Traps 40 Siberian Silk Moth Traps	299 AGM Traps 59 Nun Moth Traps 47 Rosy Moth Traps 55 Siberian Silk Moth Traps

Number of Counties:	10
Counties:	Anchorage, Fairbanks North Star, Ketchikan Gateway, Kenai Peninsula, Juneau, Matanuska Susitna, Southeast Fairbanks, Kodiak Island, Sitka, Valdez-Cordova

2. Survey dates:

	Proposed	Actual
Survey Dates:	May – September 2017	June – October 2017

3. Benefits and results of survey:

	Positive	Negative	Total Number
Traps	0	460	460

4. Database submissions:

Data was entered into NAPIS prior to December 31, 2017.

- B. If appropriate, explain why objectives were not met.* *(Provide a narrative in this section if the stated objectives from work plan are not completed. For example: if a survey or other activity was delayed or cancelled due to weather or other factors indicate the reasons here.)*

All objectives have been met.

- C. Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000. * *(Required for Final Reporting. Report on semi-annual report if information is available.)*

There were no cost overruns or unobligated funds in excess of \$1,000.

**indicates information is required per 7 CFR 3016.40 and 7 CFR 3019.51*

Approved and signed by



Cooperator

Date: 3/27/18

ADODR

Date: _____