2021 *L. dispar* Update

cdfa
CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE

Plant Health and Pest Prevention Services
California Department of Food and Agriculture

California 2021

Statewide Detection Trapping

Residential areas

High-hazard sites

10 deep-water ports

~18,000 traps total

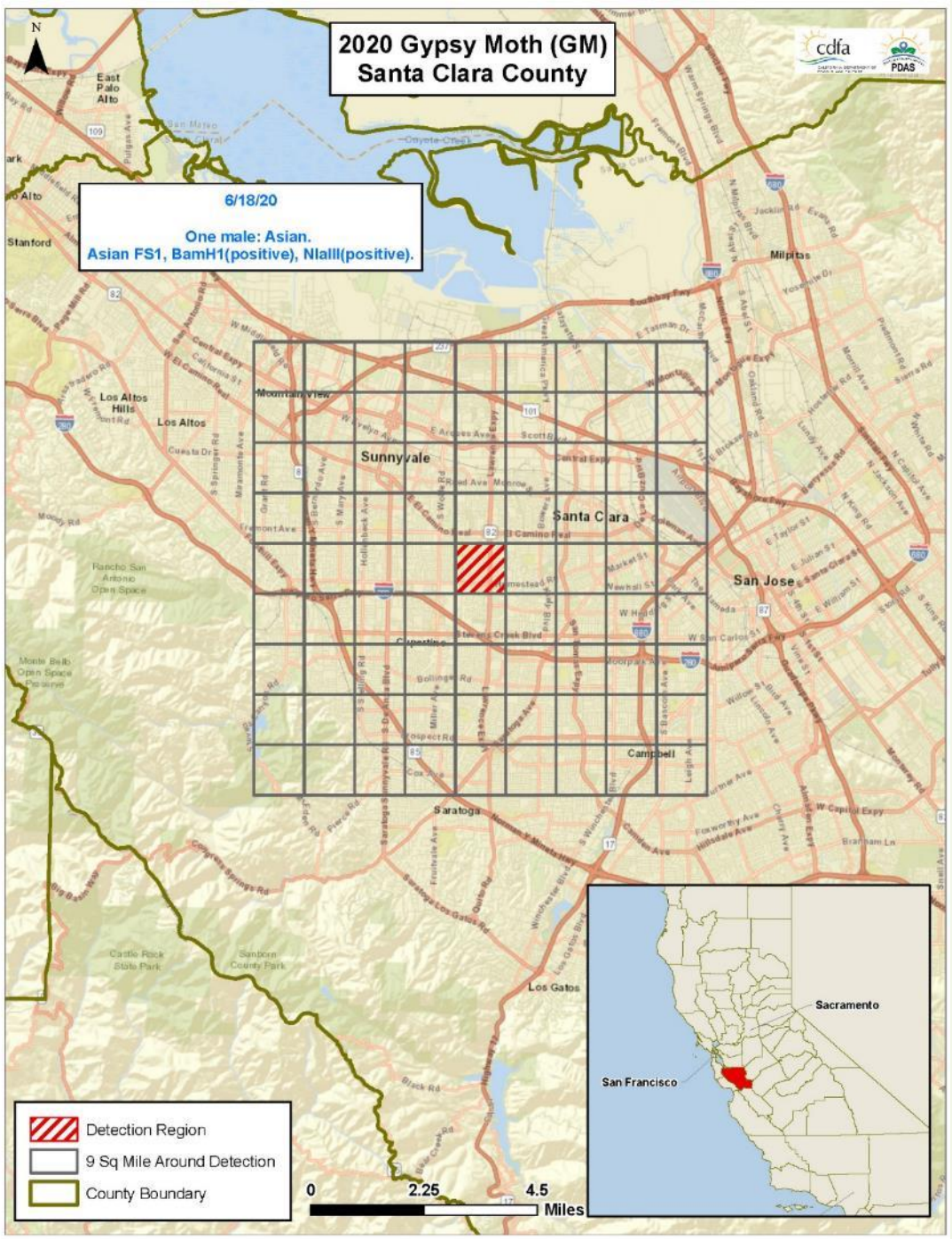
2 detections in 2020

California 2020

Santa Clara County

Sunnyvale

- 1 male at residential park
- Asian strain
- Delimitation in place

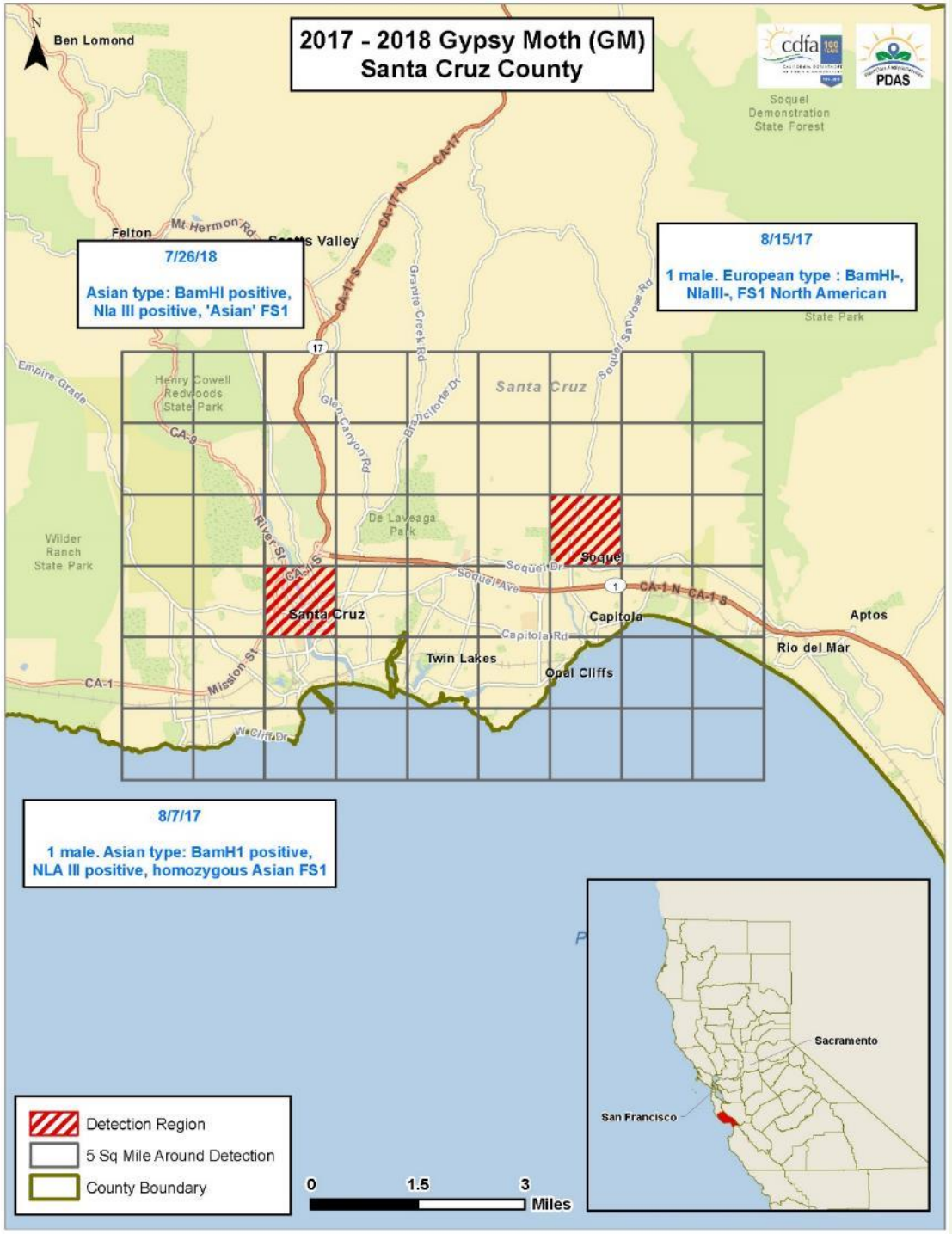


Gypsy Moth 2018

Santa Cruz County

Santa Cruz

- Asian Gypsy Moth
  - One male trapped in 2017 and one in 2018.
  - Delimitation trapping completed in 2021 with no detections!

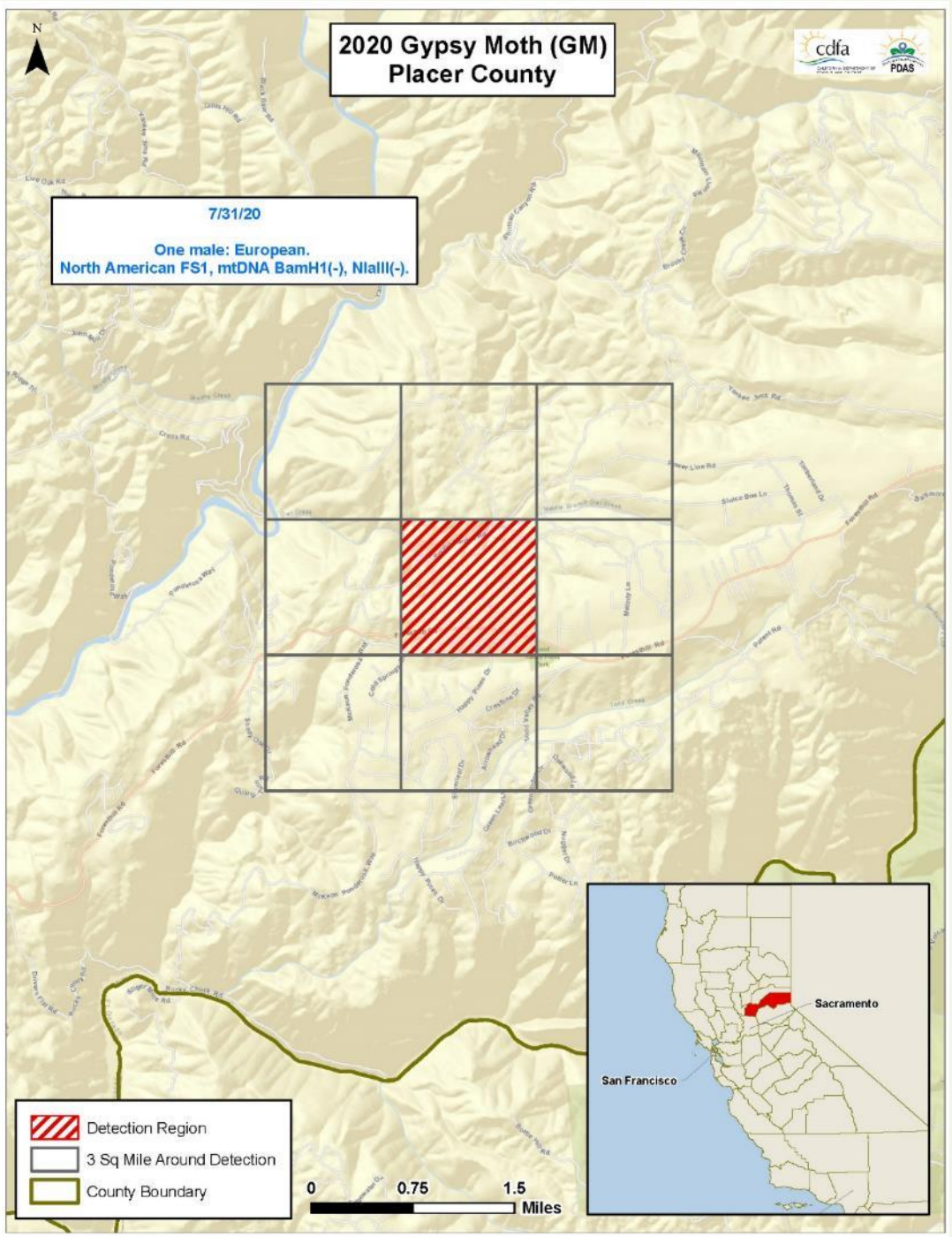


California 2020

Placer County

Foresthill

- 1 male at rural residential roadside
- Eur/NA Strain
- Delimitation in place

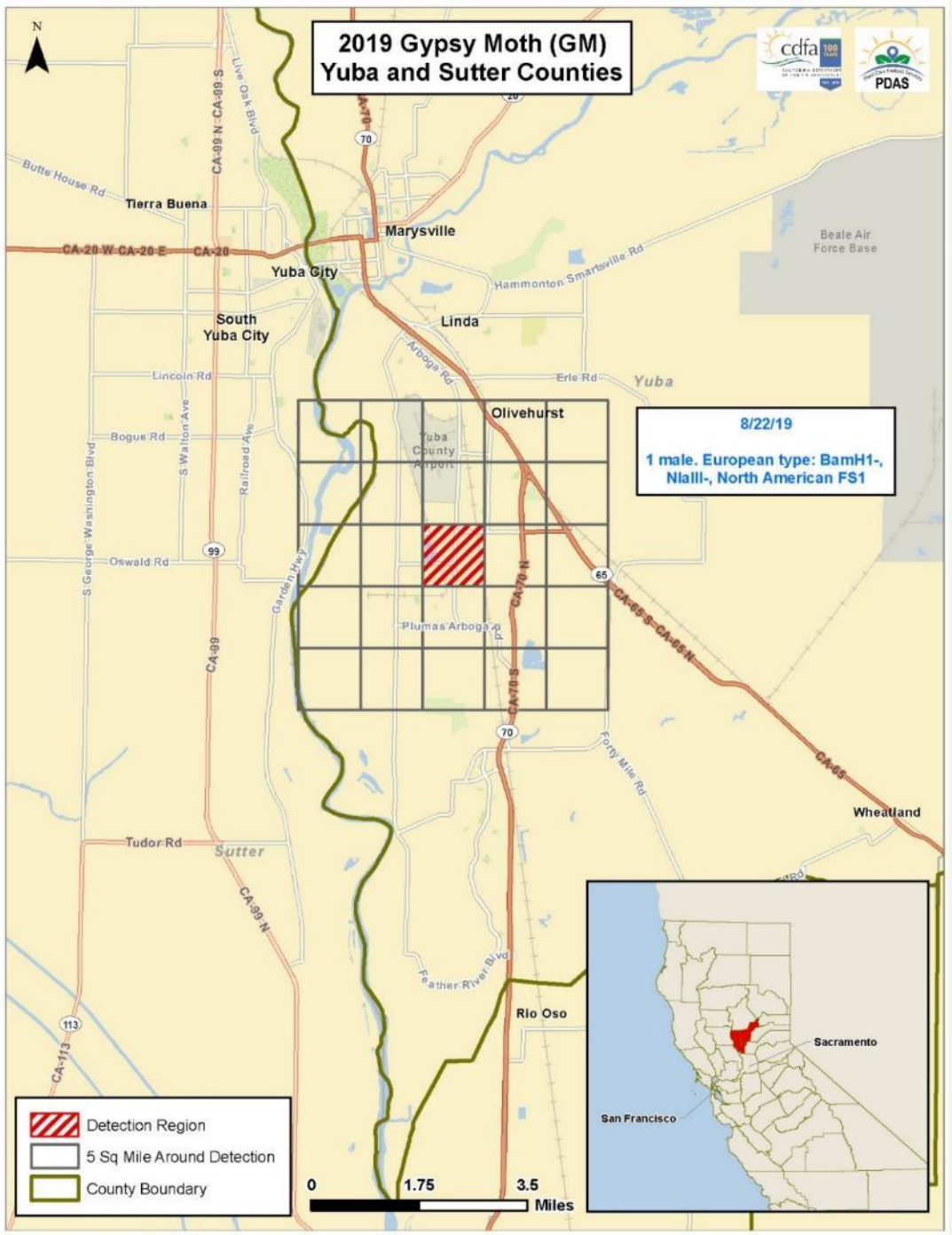


California 2019

Yuba County

Olivehurst

- 1 male at residence
- Eur/NA Strain
- Delimitation in place
- No additional finds



Spotted Lanternfly

- *Lycorma delicatula* (White) (Hemiptera: Fulgoridae)
- Large (up to 25 mm long) & colorful
- Native to East Asia
- Feeds on Tree of Heaven (*Ailanthus altissima*), but also GRAPES

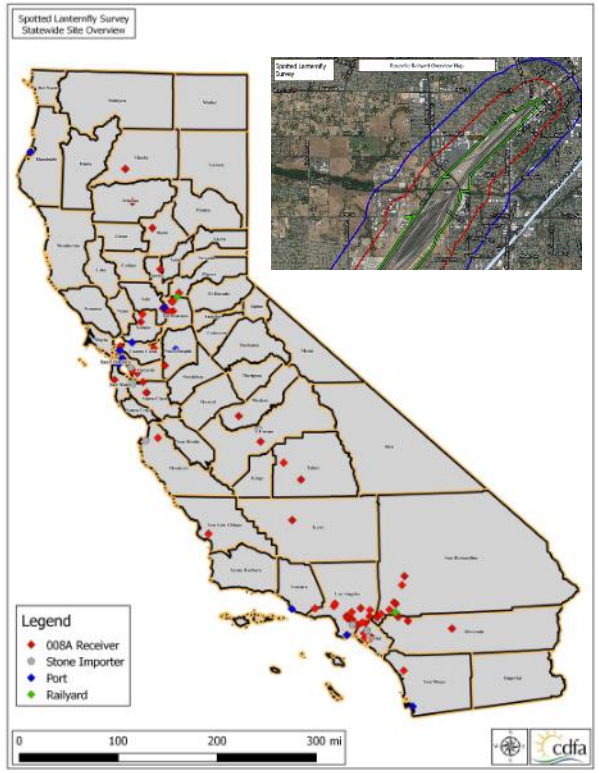
Photos: Lawrence Barringer, PA Dept of Ag, Bugwood.org

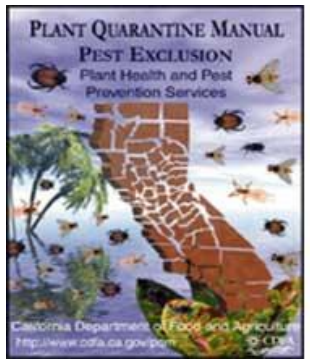
Why should you care about SLF?

Spotted Lanternfly

- Moves between the landscape and grapes (including forest borders)
- Over 100 known hosts including; maples, oaks, walnuts and willows
- Human-mediated dispersal more similar to gypsy moth, regulatory challenges.
- Kills grapes; a key CA crop
- *Significant nuisance*

What We Are Doing





- Risk-Based Survey conducted in 2020 and 2021
- 454 High-risk sites surveyed in 2021
- Master Gardener Sentinel Program
- Harmonized State Exterior Quarantine
- Biocontrol research grant to UC-Riverside

Photos: Liu & Mottern 2017 *J. Insect Sci*.

Thank you!

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