

Cerceris fumipennis...



When purple prism traps
just don't cut it

Cerceris fumipennis





Hymenoptera: Crabronidae

Solitary digger wasp

Range: Canada-Florida, Wyoming to New Mexico

Identifying Features

- Dark smoky wings
- One cream/yellow band on 2nd abdominal segment
- $\frac{1}{2}$ - $\frac{3}{4}$ inch long



Facial Markings

female



male

Vespid Wasps



Wings folded longitudinally



Don't mess with them!



Nest holes

- perfectly round holes
- diameter of a pencil or hole punch
- holes go straight down (not angled)
- surrounded by a mound of excavated soil (not all to one side like a dog would dig)
- often tucked beside or under a clump of vegetation
- 3 – 500+ nests in a colony













Cerceris vs. Prism Traps

	Prism Trap		<i>Cerceris fumipennis</i>		
Site #	Days	EAB Captured	Days	EAB Captured	# Wasps
1	47	8	3	26	5
4	47	10	1	5	3
9	47	0	3	0	6



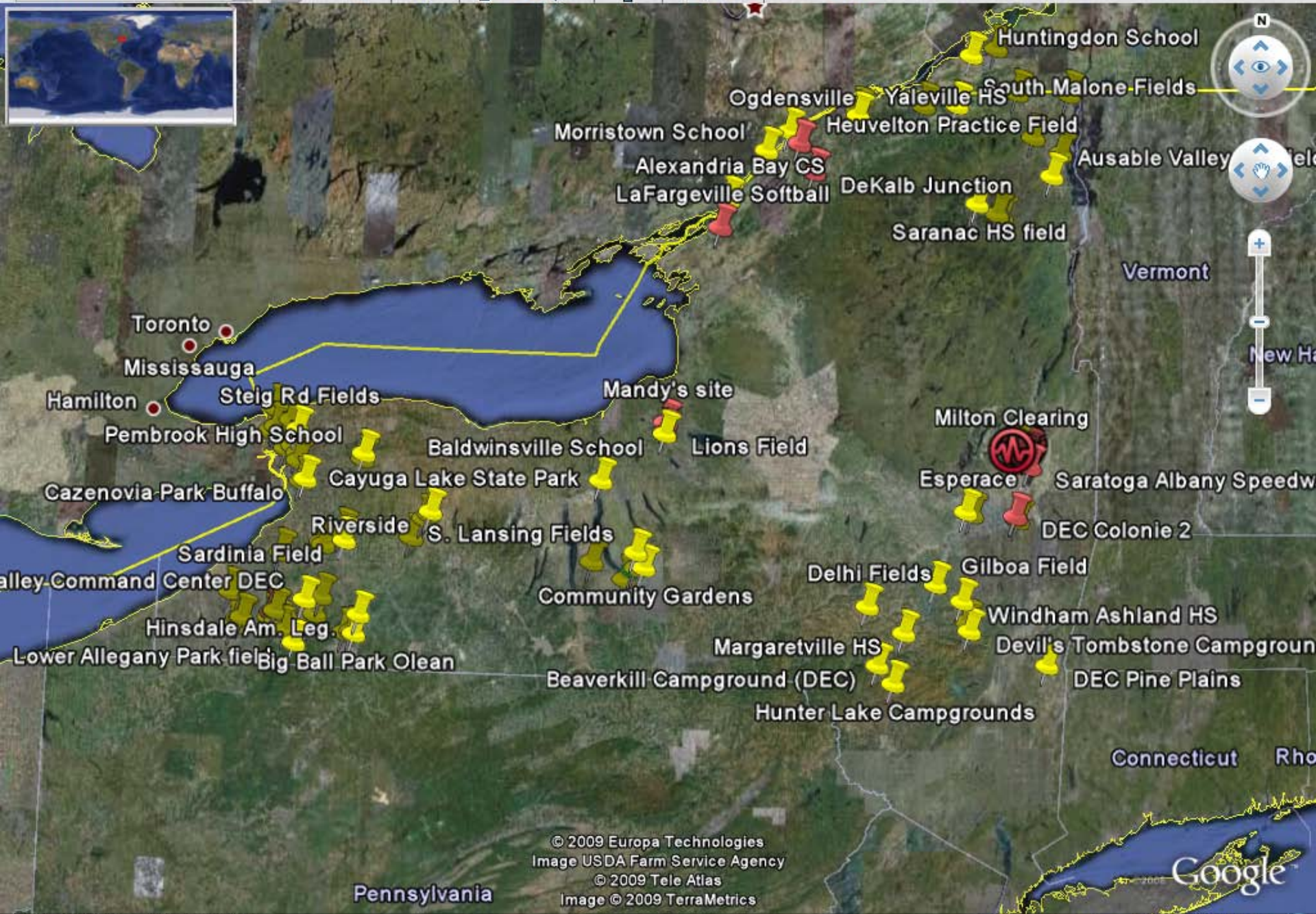
© 2009 Europa Technologies
Image USDA Farm Service Agency
© 2009 Tele Atlas
Image © 2009 TerraMetrics

© 2008 Google

42°12'27.38" N 76°01'22.43" W

Pennsylvania

Eye alt 604.70 km



Emerald Ash Borer Biosurveillance Data Sheet

(Please fill out a data sheet each day you collect beetles at your colony. Return them to us at the end of the season with your beetles. Thanks very much for your help.)

Your name

Name of town (and school or park if applicable) where your colony is located

Date: _____ Time: _____

Temperature (if known, or estimate)

Sunny / cloudy / partial cloud (circle one)

Rough number of nests in your colony today

Number of nests collared for biosurveillance

Number of people carrying out biosurveillance today

Time spent at site today

Number of beetles collected today

Comments/observations

2009 Goals

- Identify new colonies
- Monitor for EAB in high risk areas
- Organize a team of Wasp Watchers for 2010
- Seeding new colonies