



Locally-Acquired Malaria in the 21st Century: Searching for Vectors

Becca Love

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Acknowledgements

Decatur

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Valdosta

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Sarasota

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Why?

- Surprisingly low numbers of *An. quadrimaculatus* in shipped specimens

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- Surprisingly low numbers of *An. quadrimaculatus* in recent data

Why?

- Surprisingly low numbers of *An. quadrimaculatus* in shipped specimens
- Surprisingly low numbers of *An. quadrimaculatus* in recent data
- Old studies suggest *An. crucians* is a poor vector

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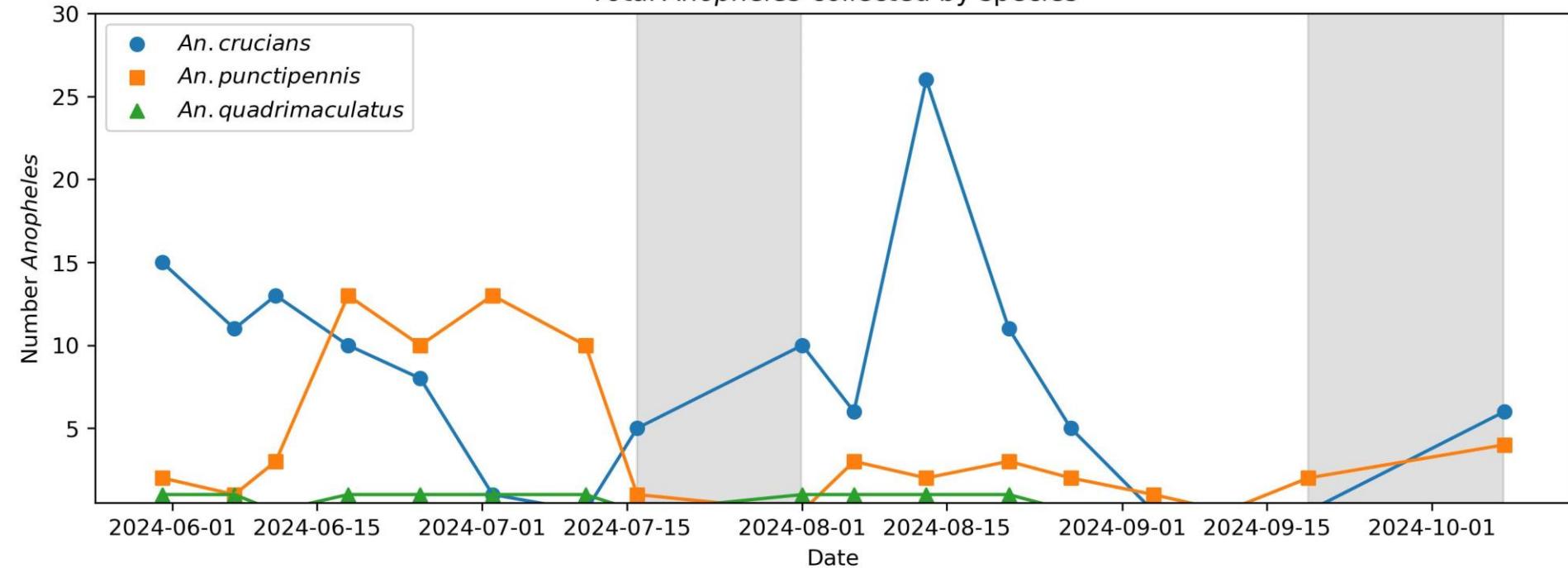


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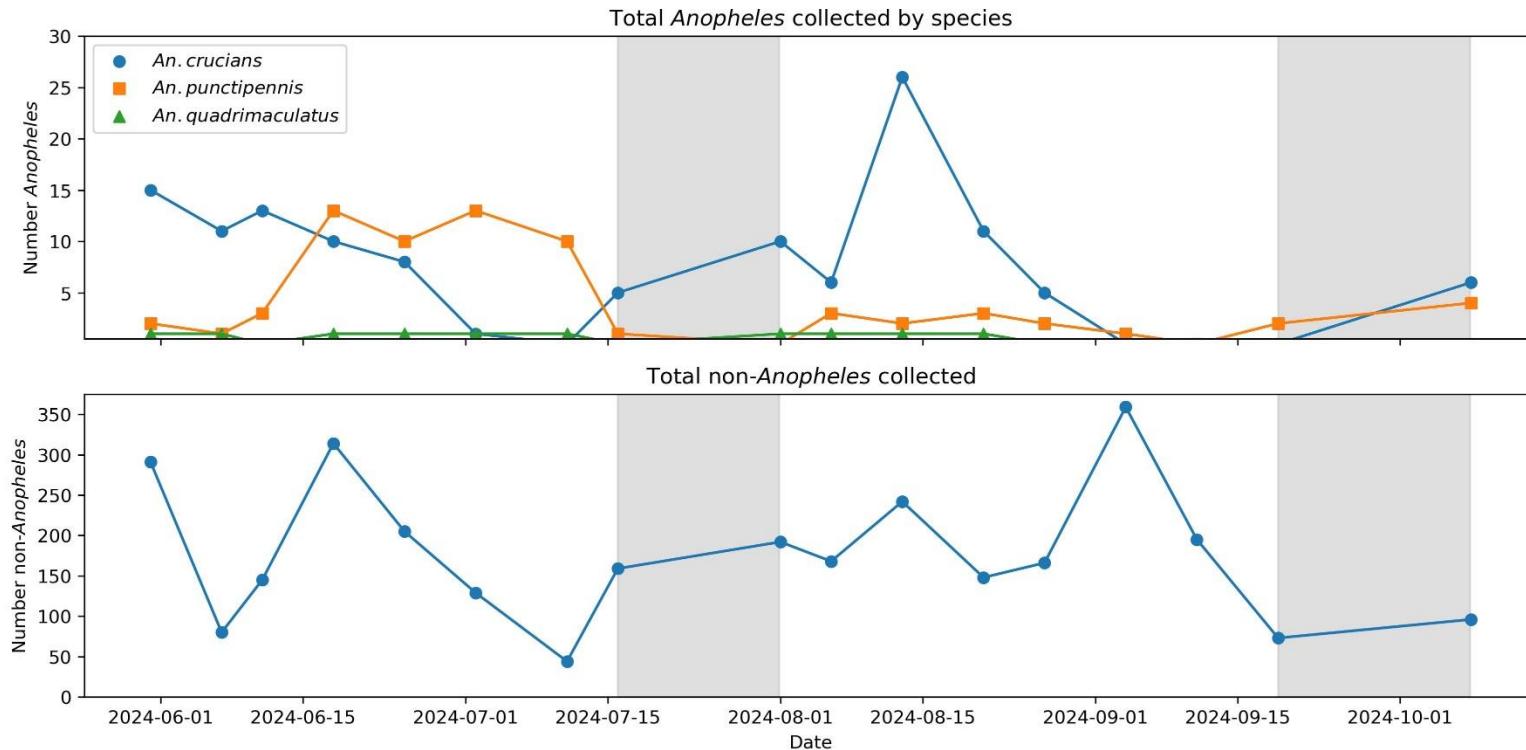


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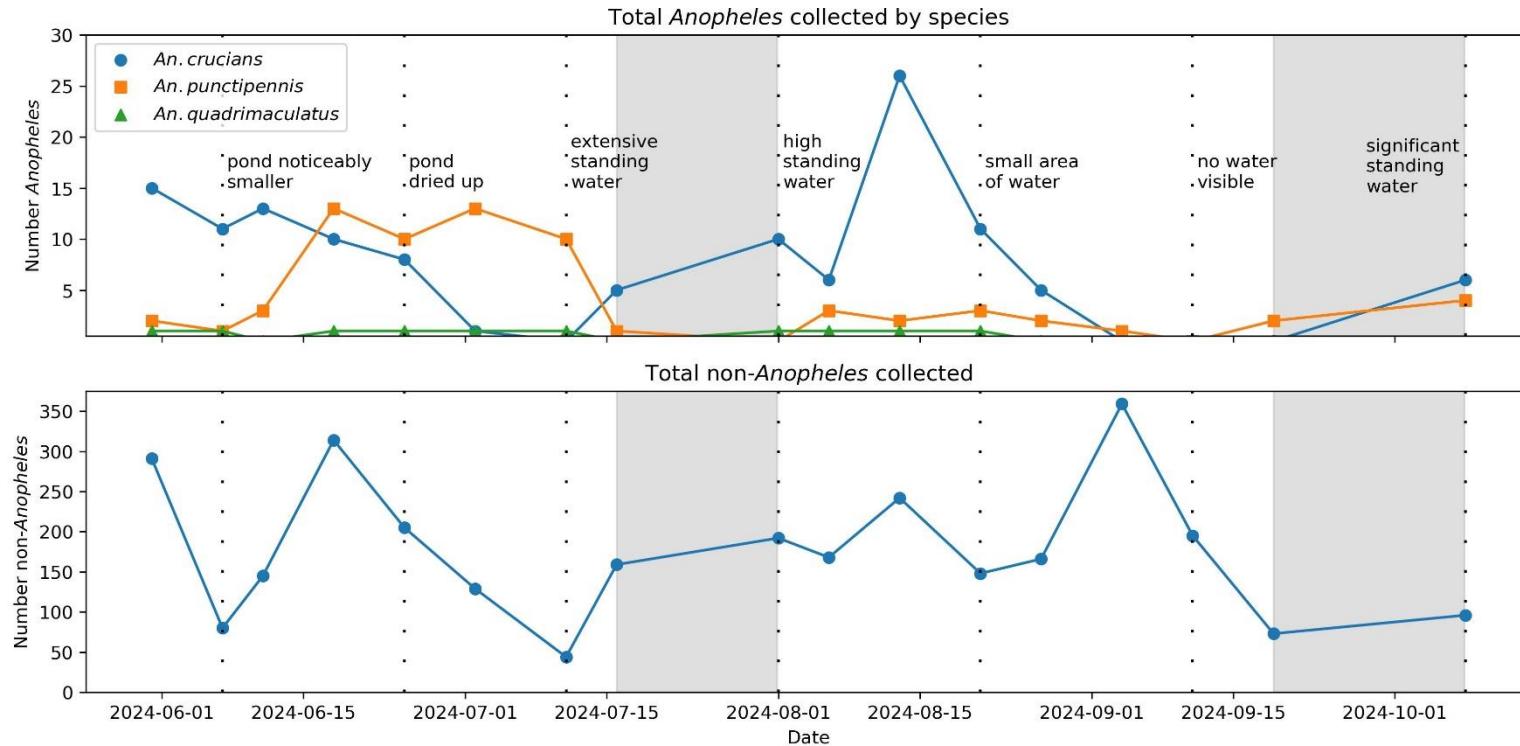
Total *Anopheles* collected by species



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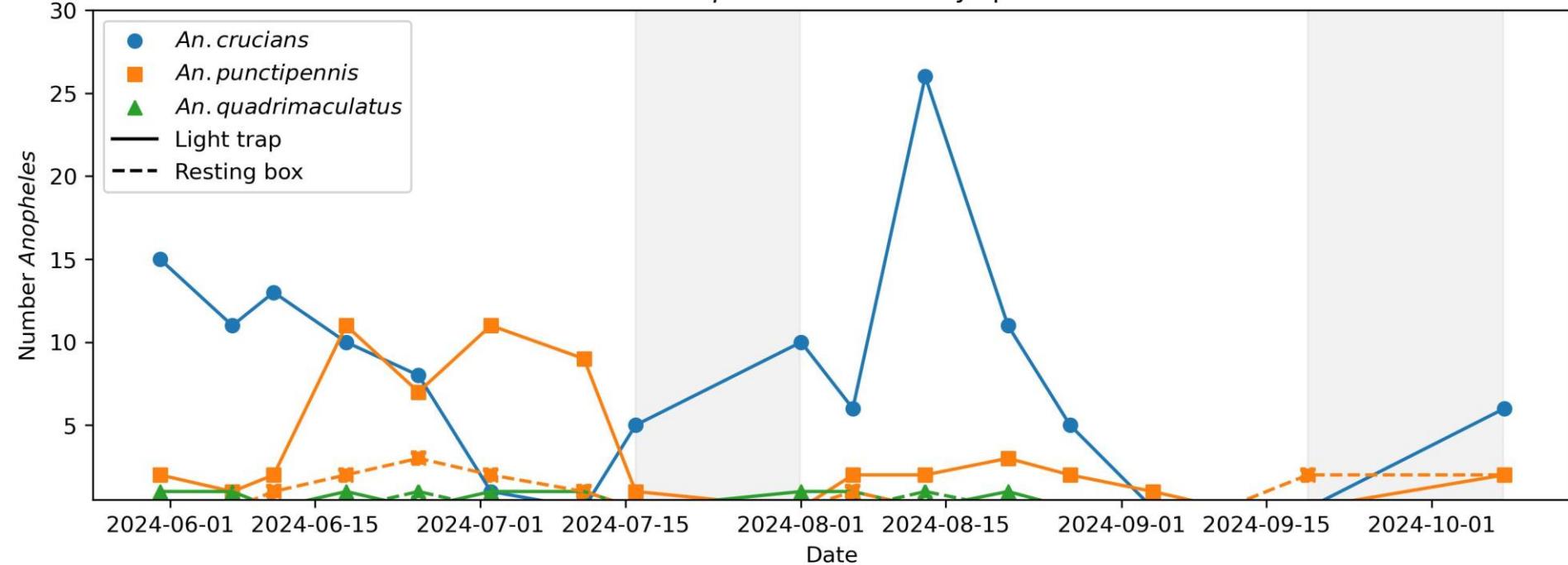


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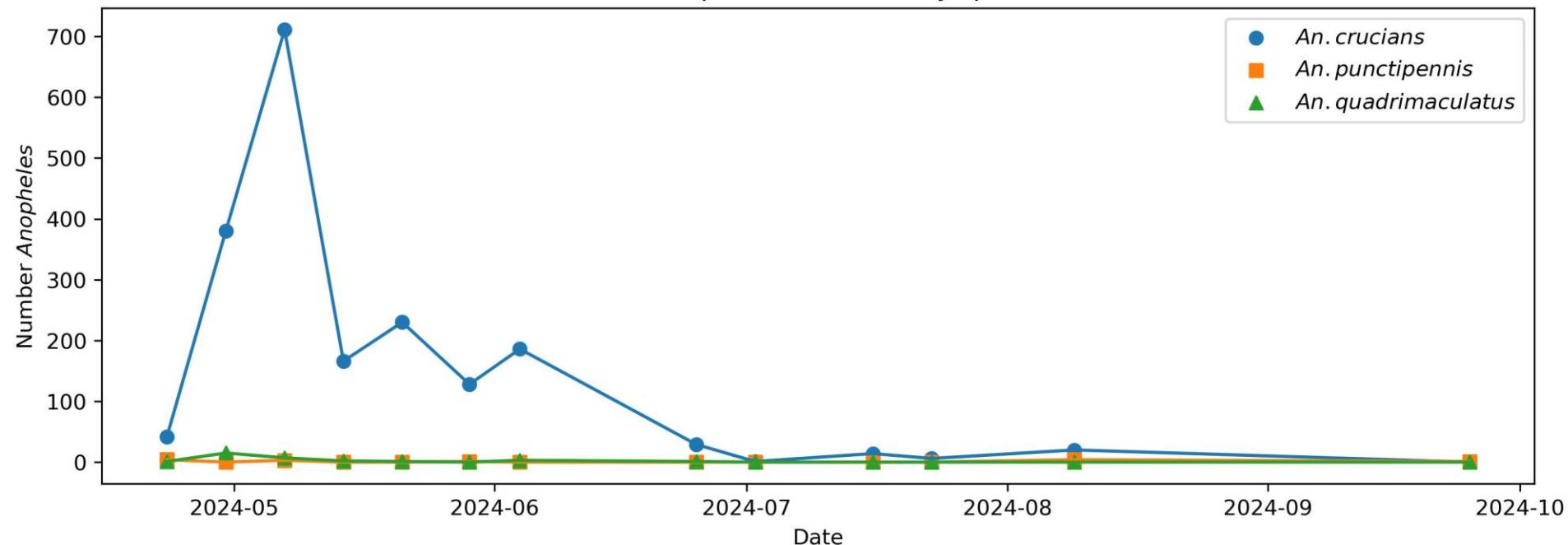
Total *Anopheles* collected by species



Valdosta

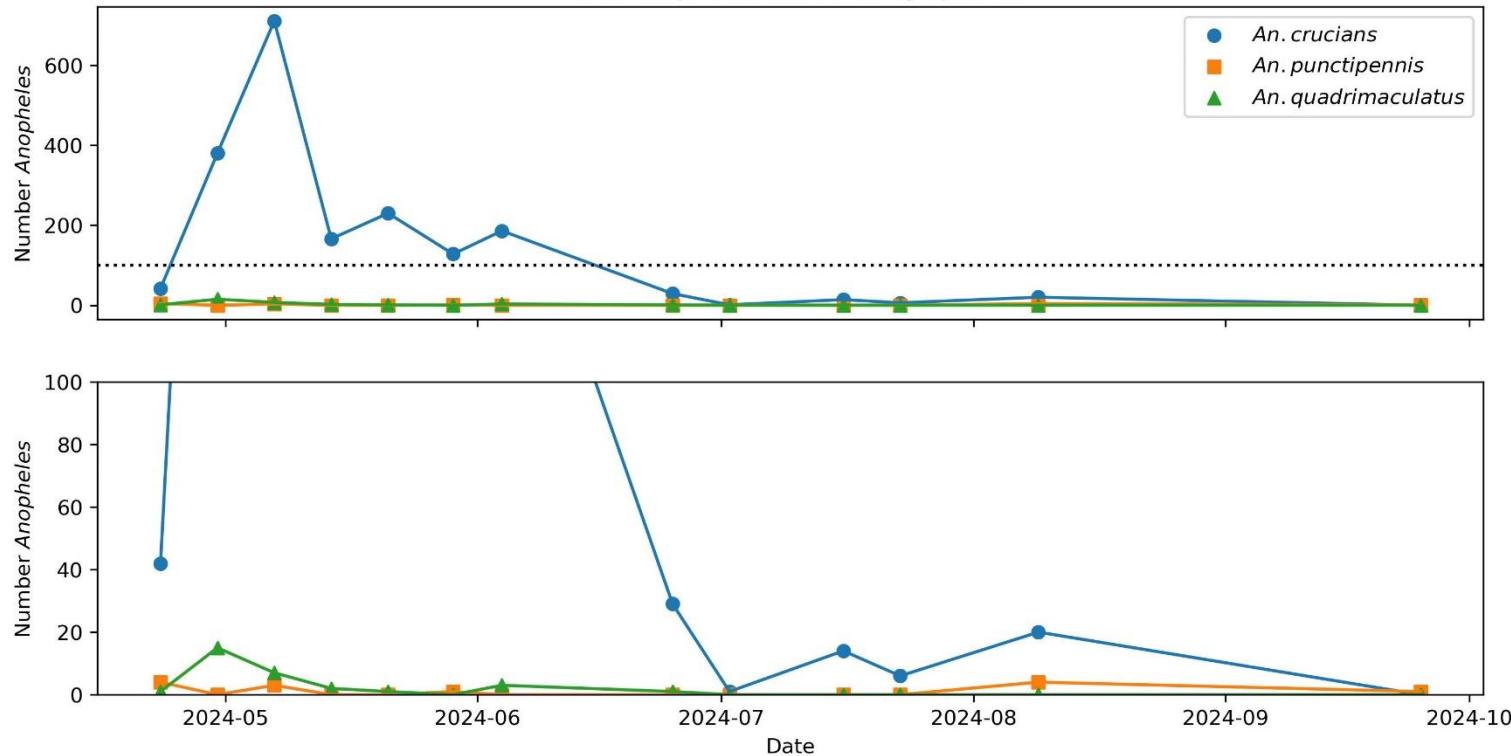
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Total *Anopheles* collected by species



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Total *Anopheles* collected by species



Sarasota



Photo credit: Natalie Barber

Sarasota



Photo credit: Natalie Barber

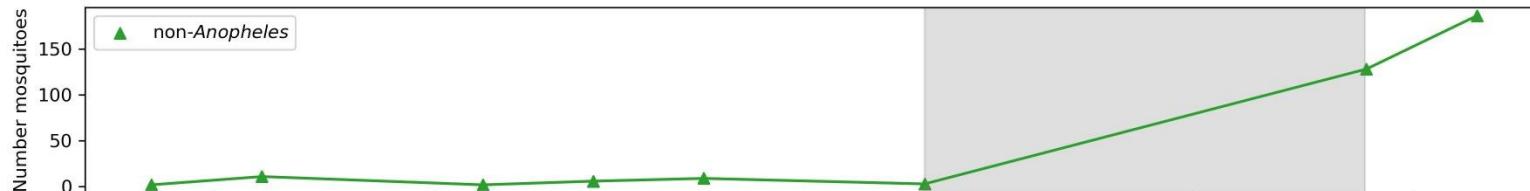
Sarasota



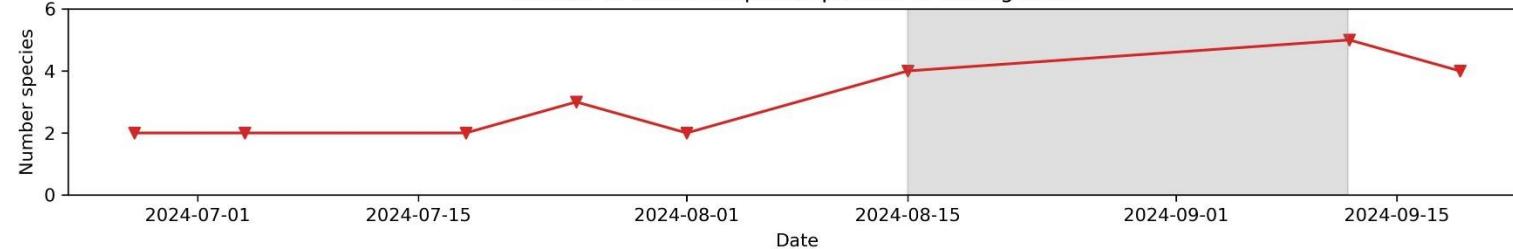
Photo credit: Natalie Barber

Sarasota

Total mosquitoes caught in Sarasota County resting boxes

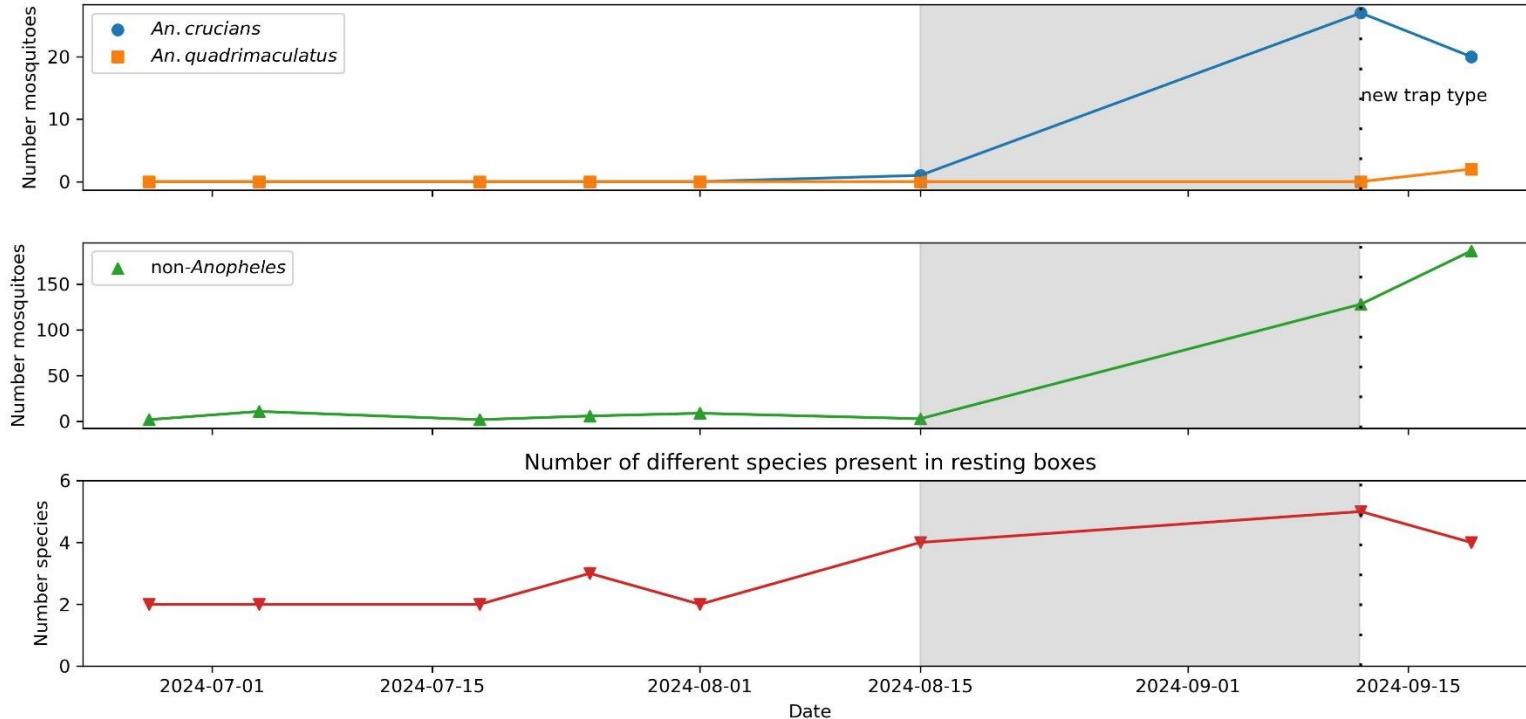


Number of different species present in resting boxes

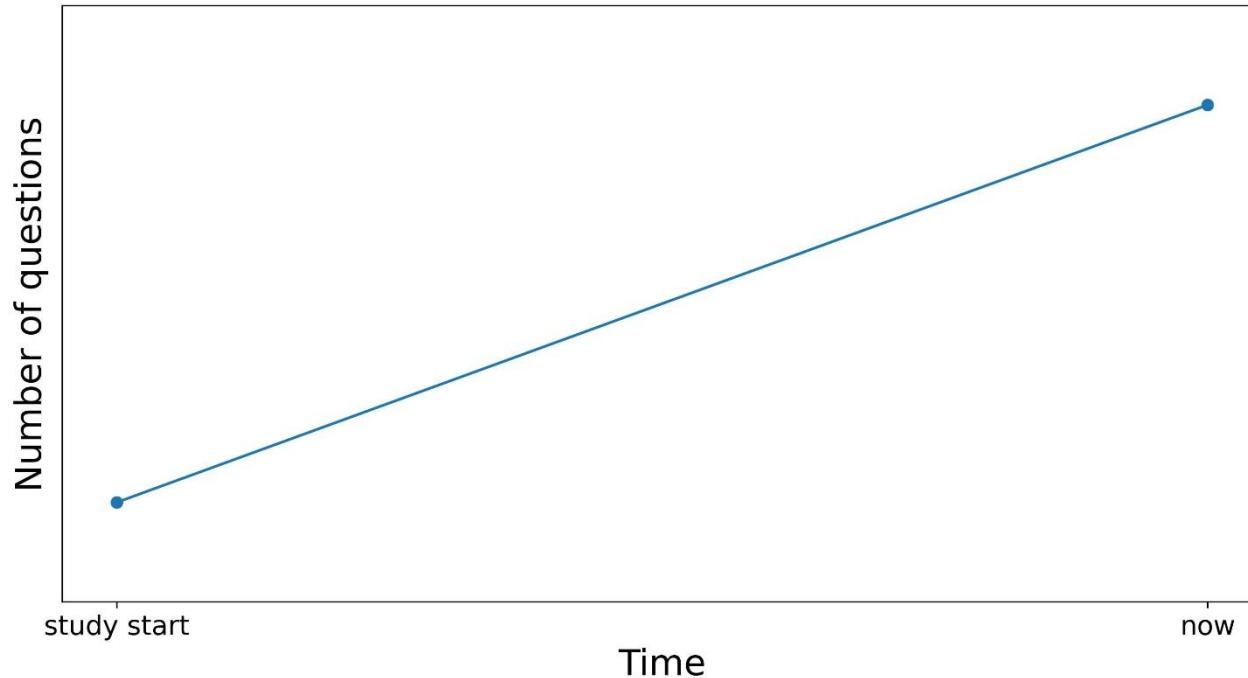


Sarasota

Total mosquitoes caught in Sarasota County resting boxes



Conclusions



Next steps

- Cold-weather sampling
- Different sampling techniques
- Molecular identification to species level
- Population genetics

What *Anopheles* are you seeing?

utt0@cdc.gov

(404) 639-1420

For more information, contact CDC

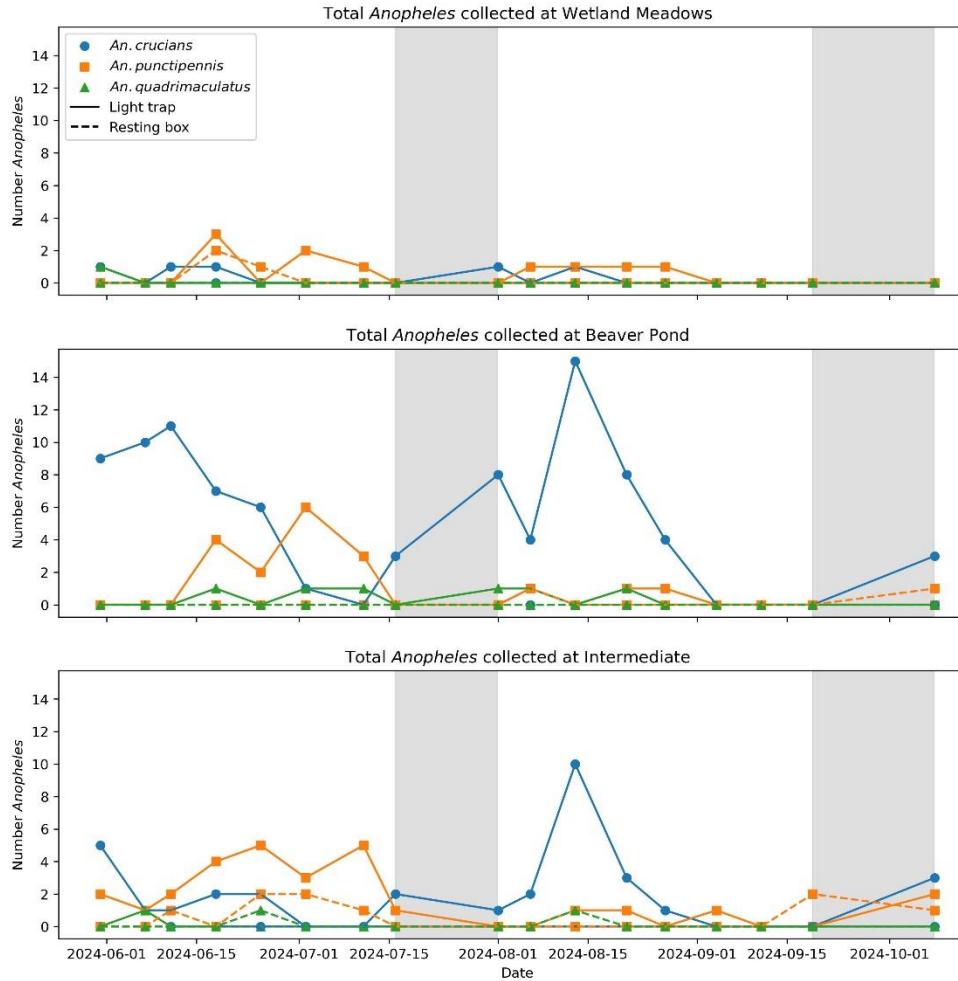
1-800-CDC-INFO (232-4636)

TTY: 1-888-232-6348 cdc.gov atsdr.cdc.gov

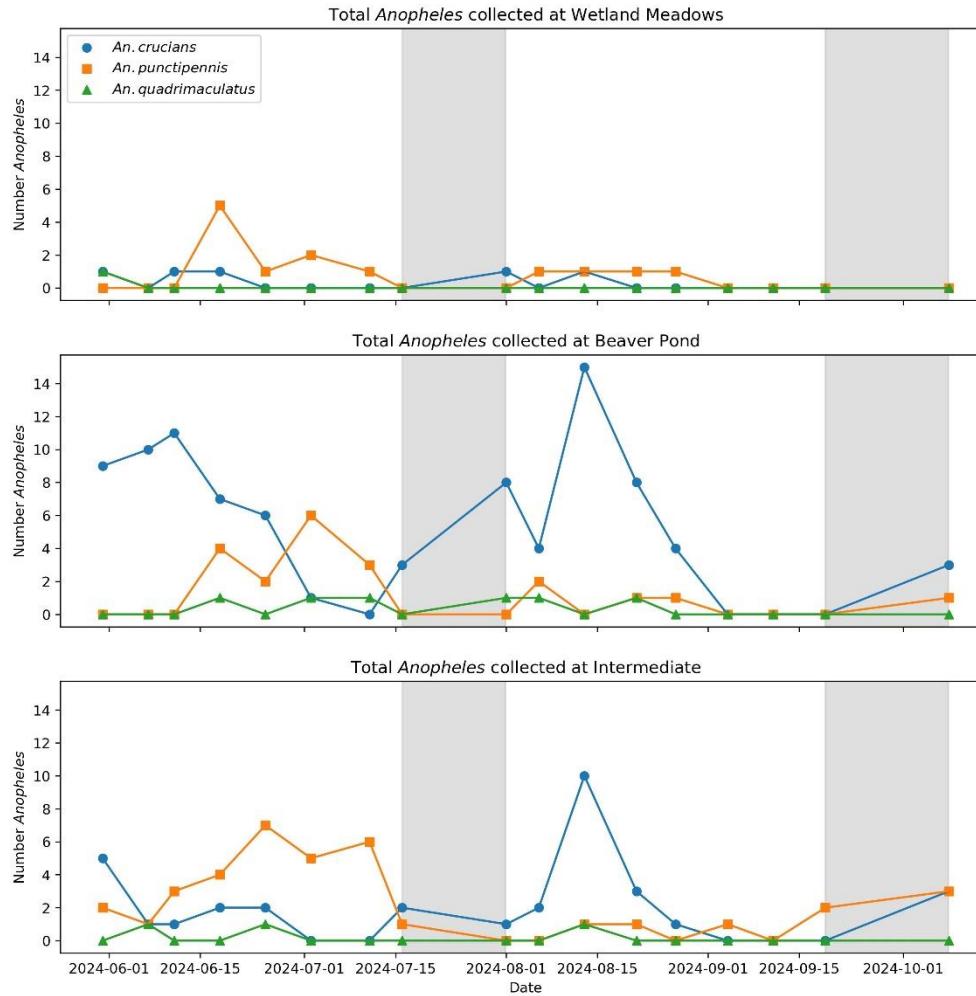
Follow us on X (Twitter) @CDCgov & @CDCEnvironment

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the U. S. Centers for Disease Control and Prevention and the Agency for Toxic Substances and Disease Registry.

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Clyde Shepherd Nature Preserve

The Clyde Shepherd Nature Preserve is a privately owned and managed 28 acre property open to the public daily from sunrise to sunset. The preserve is home to over 300 species of native Georgia plants and animals.

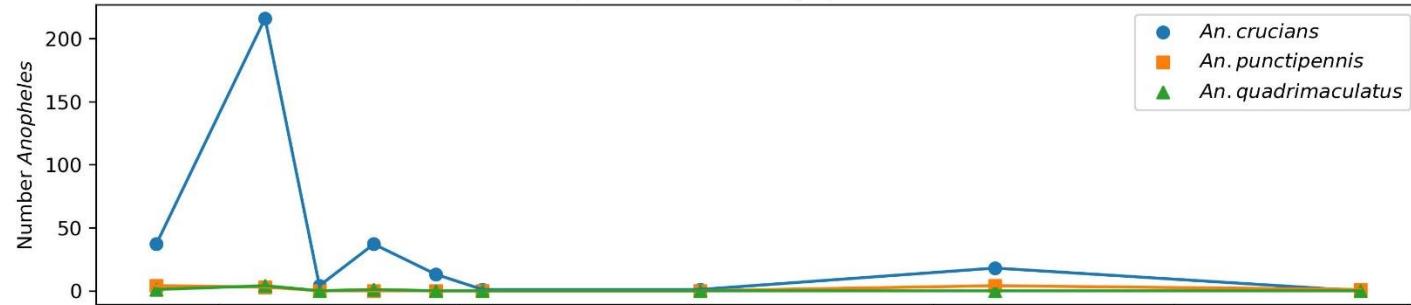
Please enjoy the preserve and remember to leave nothing behind except footprints and to be kind to all of the inhabitants and visitors.

Map Legend	
Outer Loop/Creek Trail	.6 mile
Pine Forest Trail	.15 mile
Hardwood Forest Trail	.13 mile
Beaver Pond Trail	.19 mile
Interpretative Trail	.11 mile
Wetland Meadow Trail	.2 mile
Sheep Ridge Trail	.15 mile
Trails with Boardwalks	
Bench	
Photo Blind	
Observation Deck	
Bird Feeder	



Valdosta

Total *Anopheles* collected by species at Brown Rd



Total *Anopheles* collected by species at Old Clyattville

