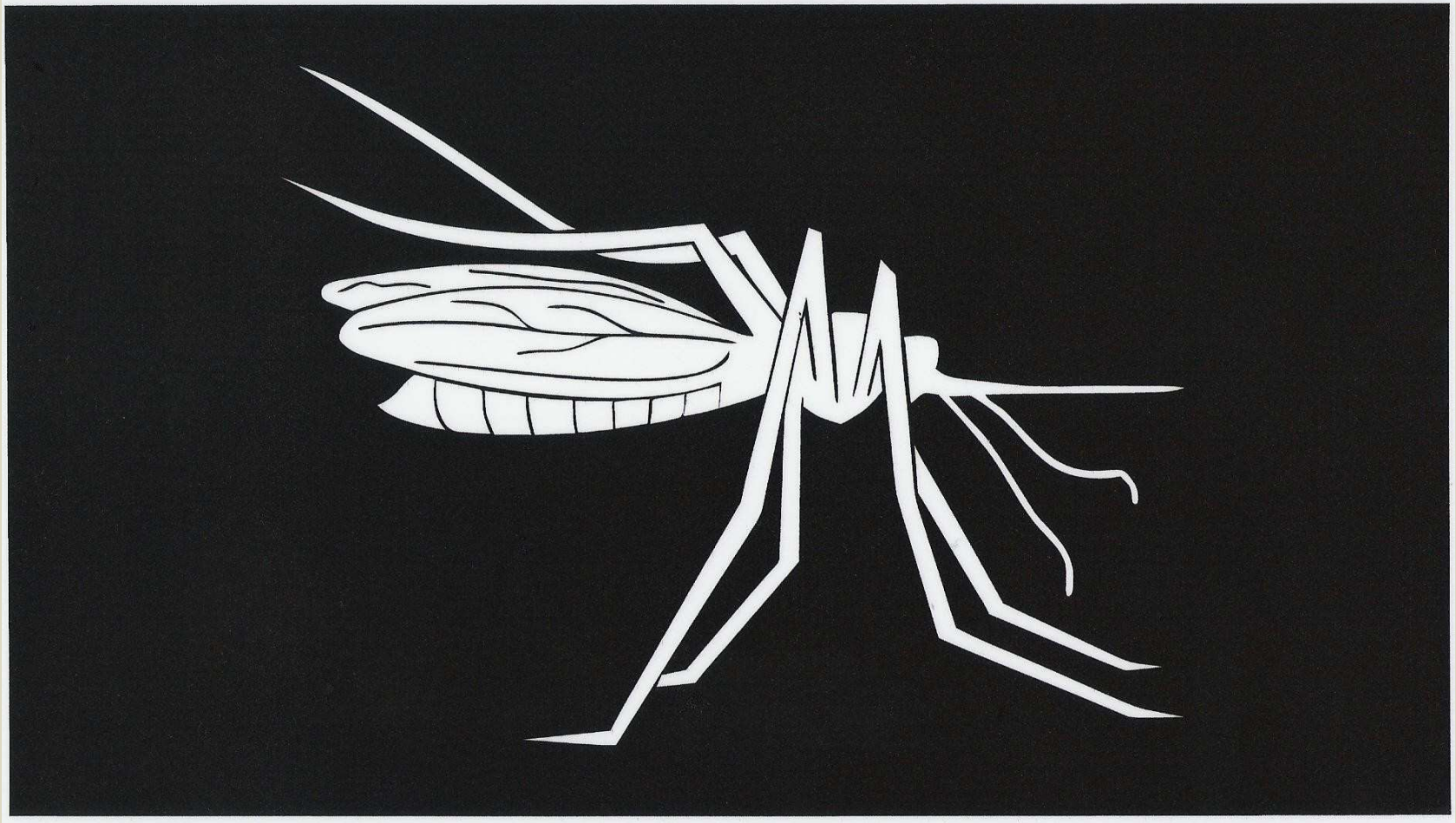
CLARK COUNTY



MOSQUITO CONTROL DISTRICT

Clark County Mosquito Control District
(CCMCD)
History

- Prior to 1982 mosquito control was a function of the SW Washington Health District
- CCMCD established by vote of Clark County residents in 1982 (RCW 17.28)
- CCMCD coordinates with Clark County Public Health

CCMCD Structure

- Board of Trustees: 10 members
- Staffing: Manager and 13 seasonal employees
- Budget: $478,000 for 2016 ($4.05 parcel fee)
- Building and equipment
- Clark County Public Health staff support

CCMCD Work Plan

- Purpose of CCMCD: The objective of mosquito management is to keep populations below levels where they become a nuisance or a public health problem leading to an outbreak of disease.
- CCMCD uses Integrated Pest Management
  - Primary focus on immature mosquito abatement
  - Endorsed by WA Dept. of Ecology and CDC
- Various methods used to monitor and control mosquito populations

Mosquito Surveillance

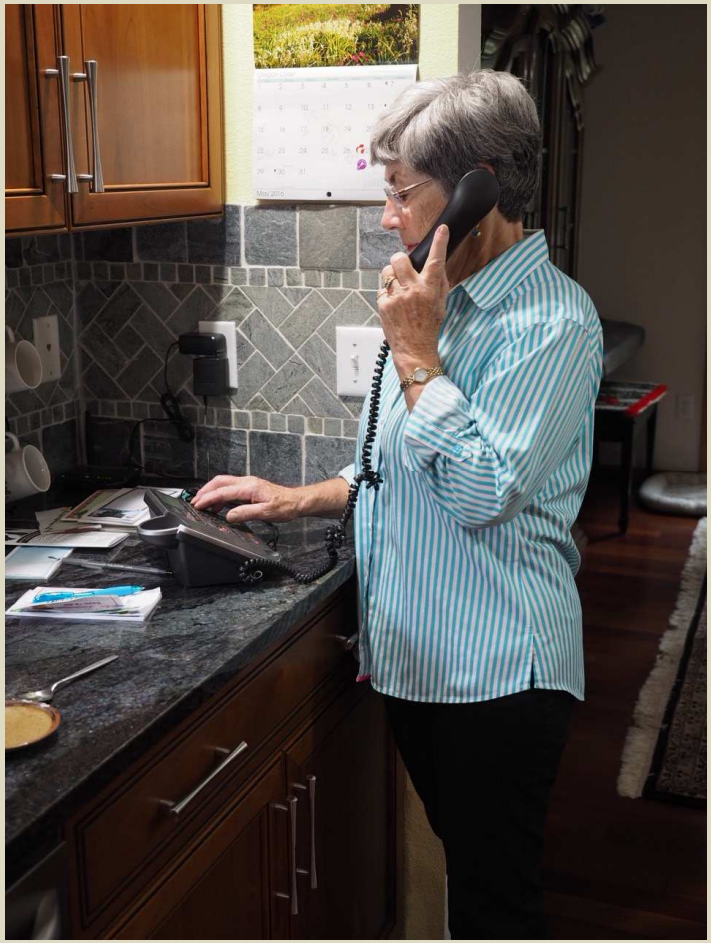
- **Dipping for larvae**

Mosquito Surveillance

- Dipping for larvae
- **Adult trapping**

Mosquito Surveillance

- Dipping for larvae
- Adult trapping
- **Service requests**



Mosquito Surveillance

- Dipping for larvae
- Adult trapping
- Service requests
- **Testing for West Nile Virus**

Mosquito Control

- **Assessment**

Mosquito Control

- Assessment
- **Larvae Control**

Mosquito Control

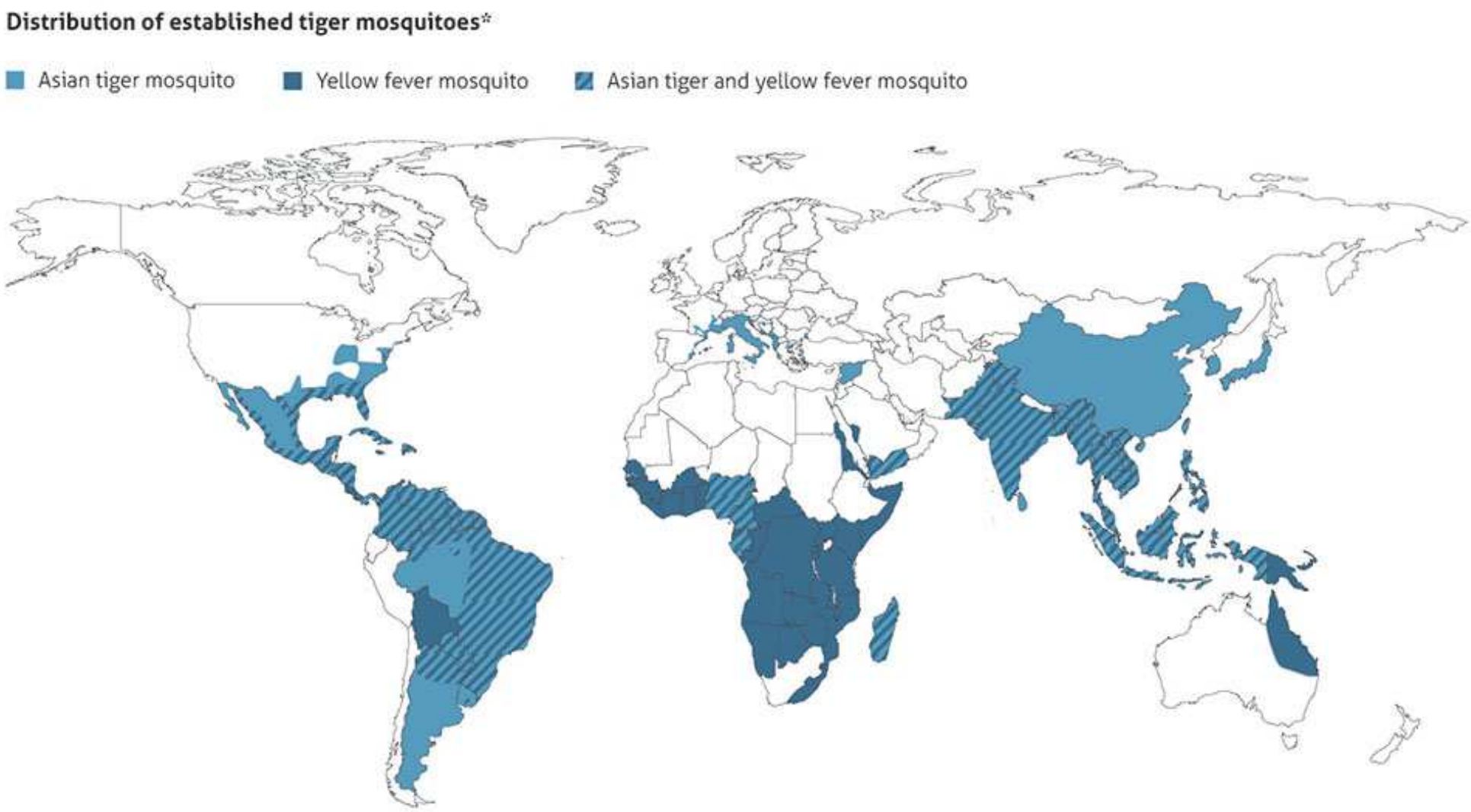
- Assessment
- Larvae Control
- **Adult Control**

Zika Virus Vectors

- *Aedes aegypti,* Yellow Fever Mosquito (L)
- *Aedes albopictus,* Asian Tiger Mosquito (R)

Courtesy of J. Newman,
University of Florida
Master Gardner Program

Zika Virus Vectors



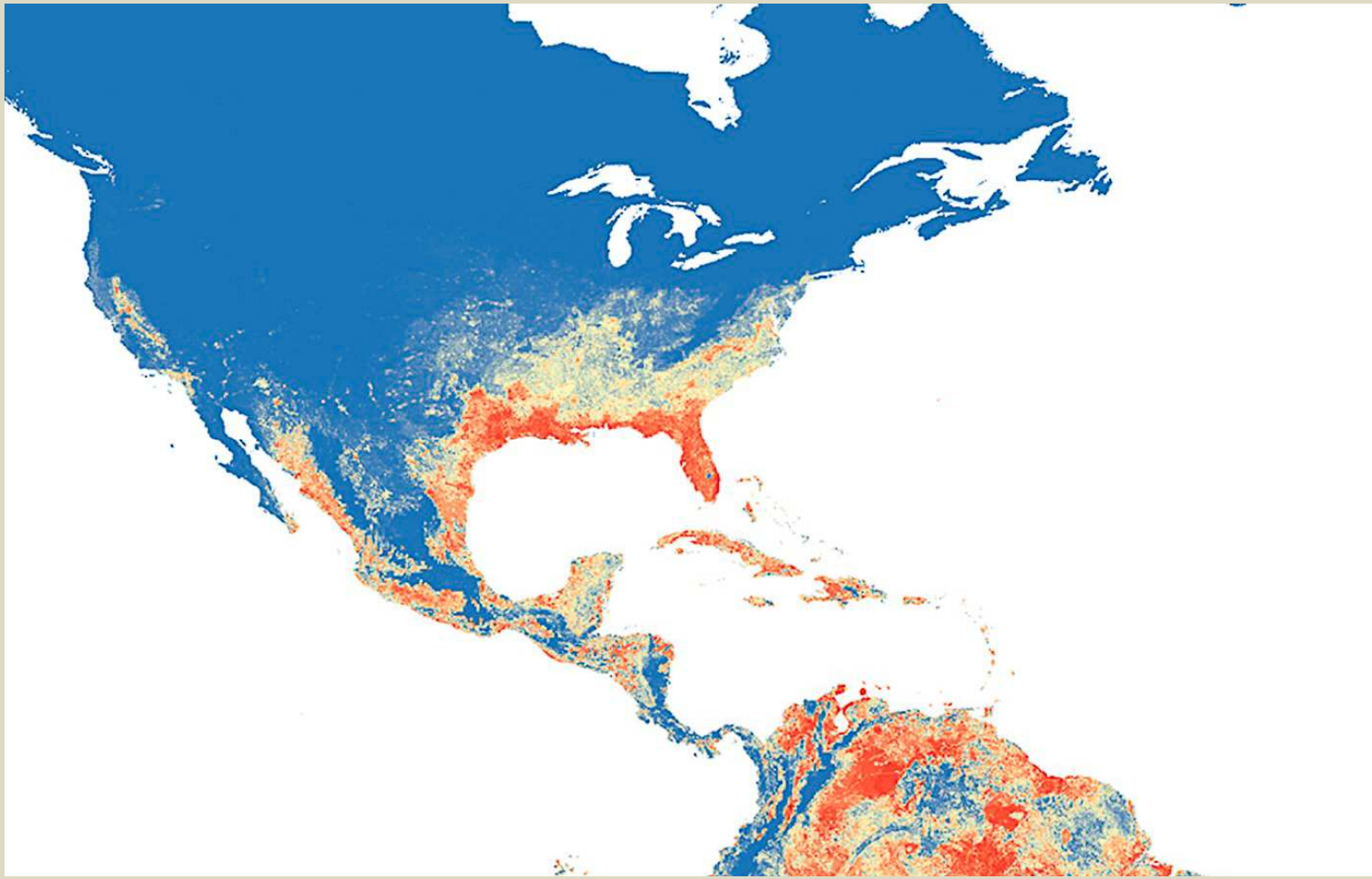
Zika Virus Vectors

- *Aedes aegypti,* Yellow Fever Mosquito
- *Aedes albopictus,* Asian Tiger Mosquito

Aedes aegypti

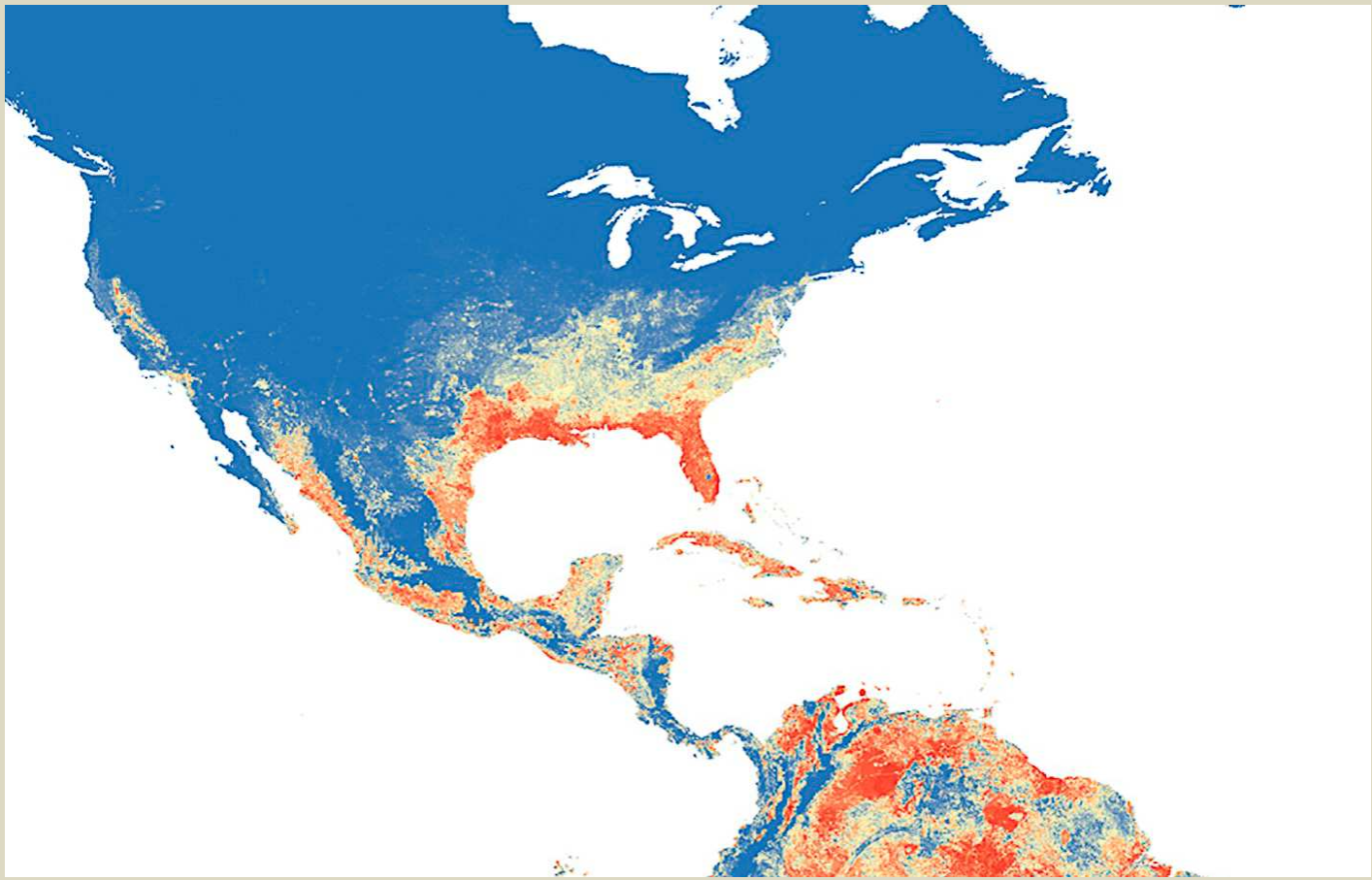
Aedes albopictus

Potential Distribution of *Aedes aegypti*



The global distribution of the arbovirus vectors Aedes aegypti and Ae. Albopictus
Kraemer, et. al.,
eLife 08347 (2015)

Aedes albopictus



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Potential Distribution of *Aedes aegypti* and *A. albopictus*

Dengue in the United States of America: A Worsening Scenario?
Germán Añez and Maria Rios
BioMed Research International
Volume 2013 (2013), Article ID 678645, 13 pages

Clark County Mosquitoes

- Over two dozen species
- Two *Aedes* species:
  - *Aedes vexans* (R)
  - *Aedes cinereus*

Can Zika Virus spread to other species of *Aedes*?

Conclusions

- CCMCD provides mosquito monitoring and abatement for Clark County
- The District coordinates very closely with Public Health
- The District has and will continue to enhance its role in the Zika Virus situation
- At this time, we anticipate no vector-borne Zika spread; but we must remain vigilant.

Questions?