

Mosquito Update

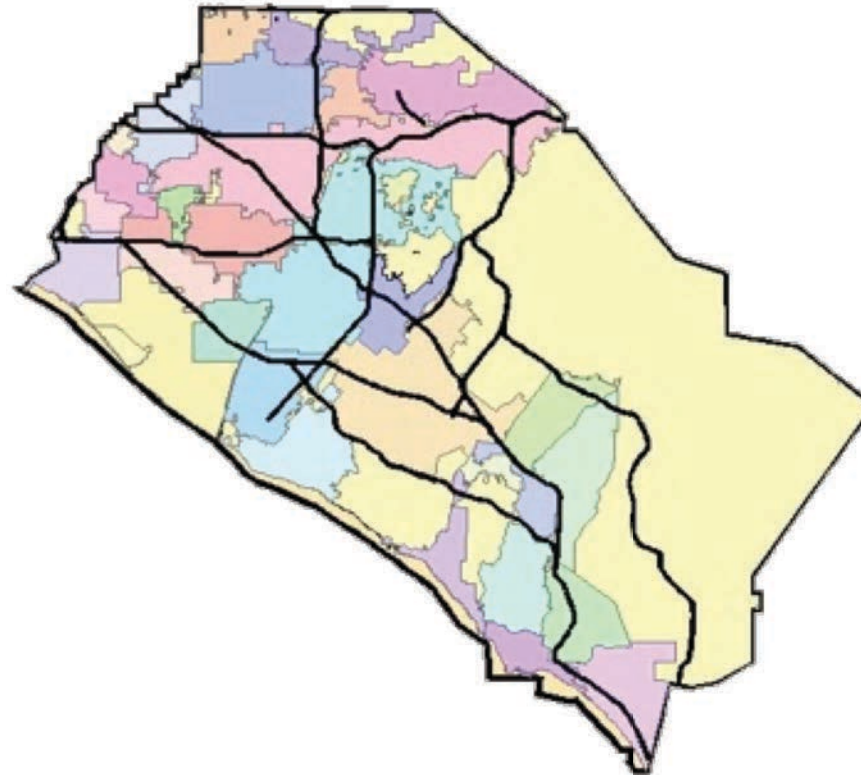


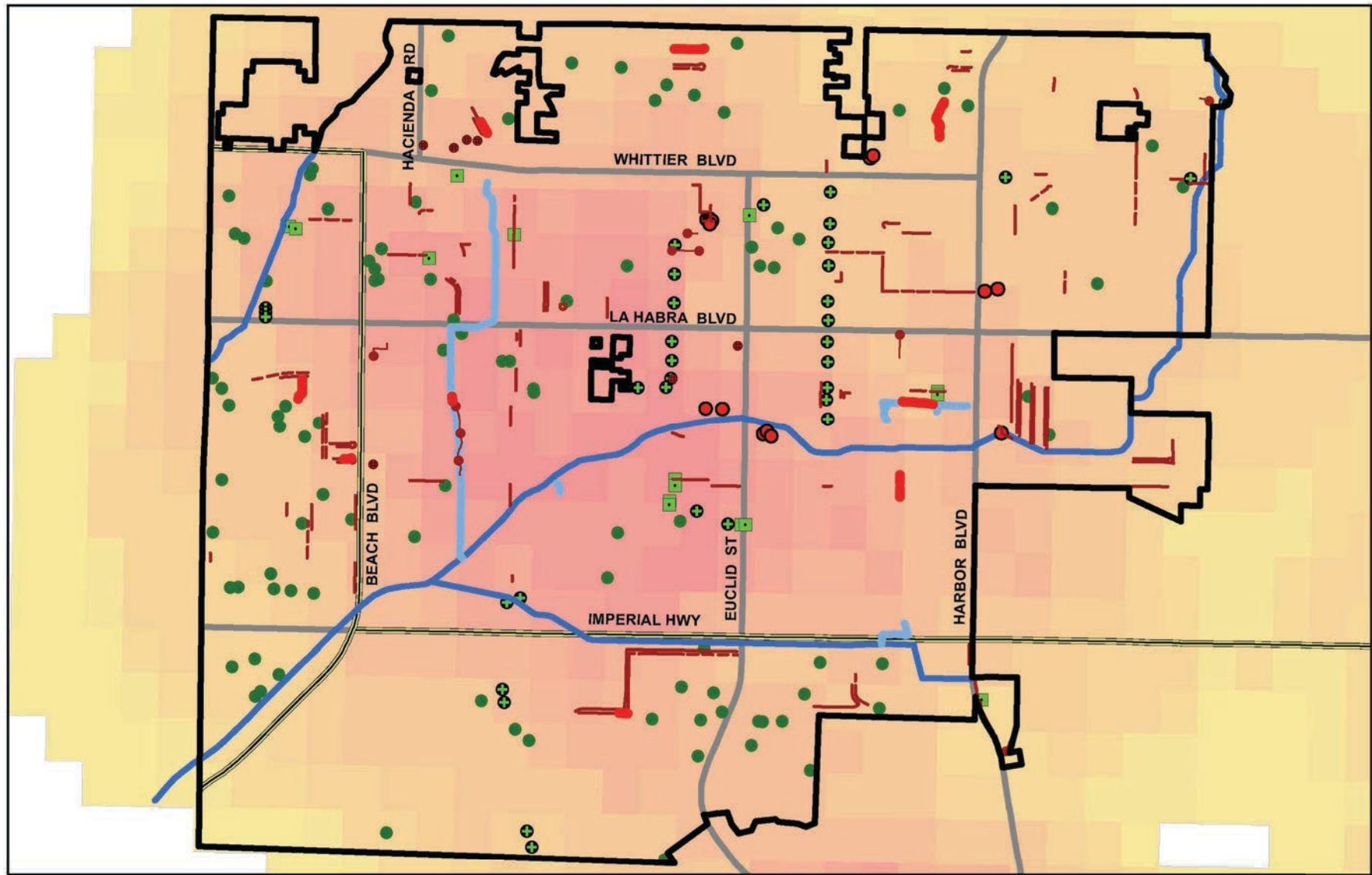
Presented by: Mary-Joy Coburn, Public Affairs Coordinator

Mission Statement

The mission of the Orange County Mosquito and Vector Control District is to provide the citizens of Orange County with the highest level of protection from vectors and vector-borne diseases.

- **Established in 1947 and are governed by a 35-member Board of Trustees**
- **Provide services to 34 cities and sections of unincorporated Orange County**
 - service ~ 3.2 million residents over ~ 800 sq. miles





0 1,250 2,500 Feet

City of La Habra
All "Known" Current Sources



New! species in Orange County

Yellow Fever mosquito
Aedes aegypti



Asian Tiger mosquito
Aedes albopictus



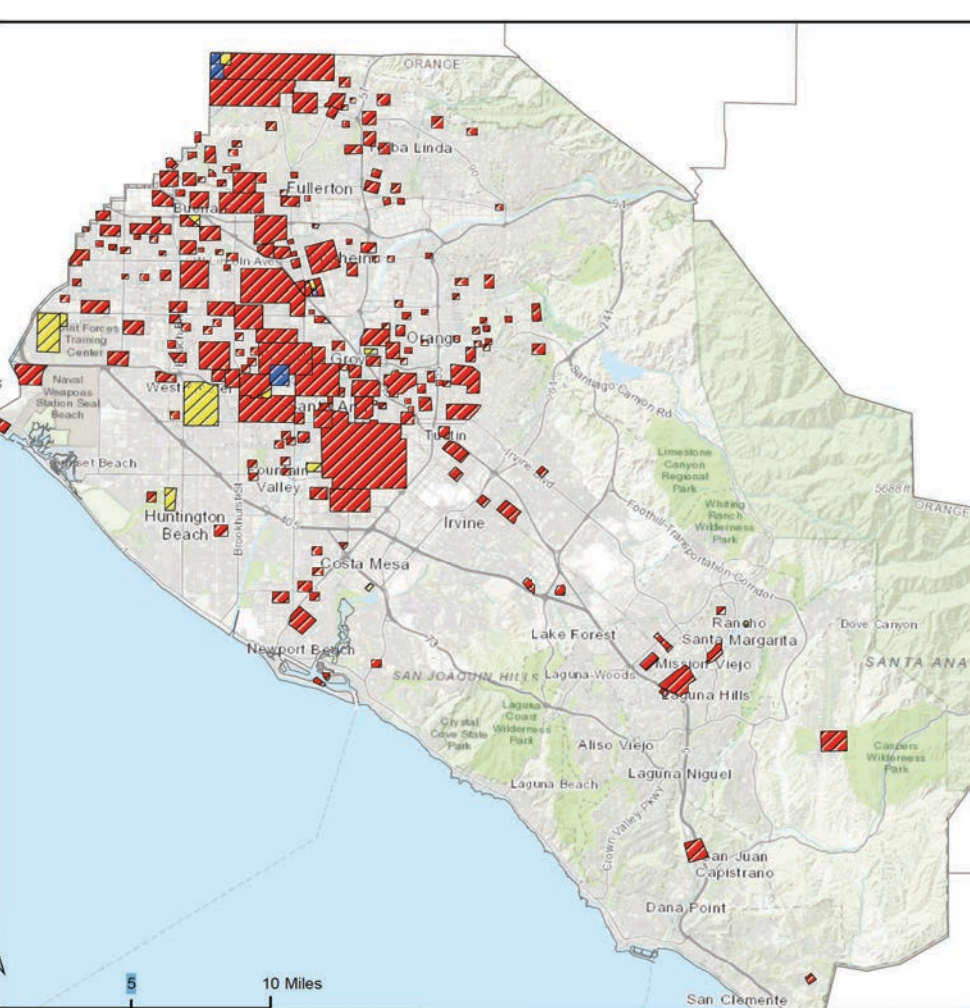
Australian Backyard
mosquito
Aedes notoscriptus





How did these mosquitoes get here?





Aedes Infestation in Orange County

**Aedes Infestation
Countywide Infestation Areas
Orange County, CA
November 15, 2018**



**225 Total Infestation Areas
28 Cities and 4 Uninc. Locations**

Invasive Aedes Locations

<u><i>Ae. albopictus</i></u> 	<u><i>Ae. aegypti</i></u> 	<u><i>Ae. notoscriptus</i></u> 
Anaheim	Anaheim	Anaheim
Brea	Brea	Brea
Buena Park	Buena Park	Buena Park
Huntington Beach	Corona Del Mar*	Newport Bch
La Habra	Costa Mesa	Orange
Los Alamitos	Coto De Caza*	Placentia
Mission Viejo	Cypress	San Clemente
Newport Beach	Fountain Valley	San Juan Cap
Orange	Fullerton	Santa Ana
Rossmoor*	Garden Grove	Seal Beach
Santa Ana	Huntington Bch	Stanton
Garden Grove	Irvine	Tustin
	La Habra	North Tustin*
	La Palma	Villa Park
	Laguna Hills	Westminster
	Lake Forest	Yorba Linda

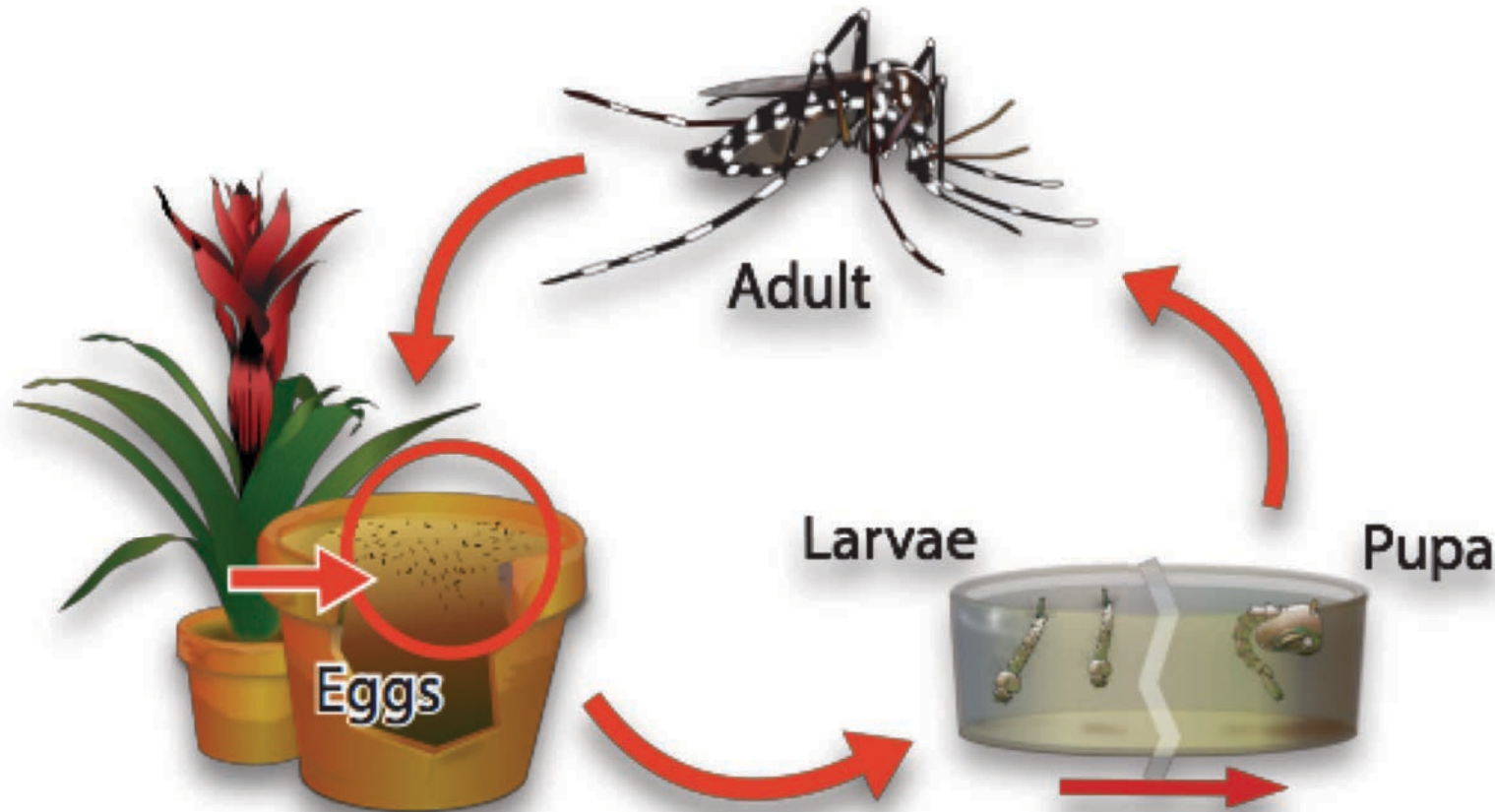
*Uninc.

Invasive *Aedes*

- ¼ inch long
- Black & white bands
- across body and legs
- Aggressive day-time
- biters
- Breed indoors
- and outdoors
- Able to Transmit:
 - Zika
 - Dengue Fever
 - Chikungunya Fever
 - Yellow Fever
 - Dog Heartworm



Life Cycle of Invasive *Aedes*



- Mosquitoes can go from egg to adult in about 5 - 7 days
- Mosquitoes need stagnant water to go through their life cycle
- Eggs can survive without water for several years

During the summer, when the temperature is warm, we can see mosquitoes completing their life cycles in about 5 days.





Inspect your home
regularly for
standing water



Get rid of standing water around your home

Once a week, empty and scrub, turn over, cover, or throw out any items that hold water:

- Tires
- Buckets
- Planters
- Toys
- Pools
- Flowerpots
- Saucers
- Bird baths
- Fountains
- Trash containers



A tiny bottle cap holds enough standing water for mosquito larvae.







Don't invite them inside your home

- Use screens on windows and doors
- Repair holes in screens
- Use air conditioning when available





Store or put away potential
water holding containers



Wear insect repellent

Use EPA-approved repellent and look for the following active ingredients:

- DEET ®
- Picaridin
- IR3535
- Oil of lemon eucalyptus

Wearing insect repellent is the BEST way to prevent bites, even for children and pregnant women.



Cover up

Wear light-colored, long, loose clothing when outdoors, such as long-sleeved shirts and pants.



Working together

- Clean up clutter in the yard.
- Do not grow plants in water-filled buckets or vases - even indoors.
- Remove saucers from under potted plants.
- Remove bromeliads and other plants that naturally hold water from your landscape.
- Scrub outdoor containers that have held water with hot, soapy water to kill mosquito eggs. Store in a dry place.




Working together

- Talk to your neighbors/community – mosquito control is a shared responsibility
- Shared messaging to the community
- Shared responsibility in source reductions
- Utilize an Insect fogger to eliminate adult mosquitoes. These can be found at local home improvement and garden centers.



Orange County Mosquito and Vector Control District

714.971.2421 or 949. 654.2421

 facebook.com/ocvectorcontrol

 twitter.com/ocvector

www.OCVector.org

Thank you!

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