

# Laying the Groundwork for SIT Releases

## *Wolbachia Trials in the San Gabriel Valley*

February 3<sup>rd</sup>, 2026  
MVCAC 94<sup>th</sup> Annual Conference

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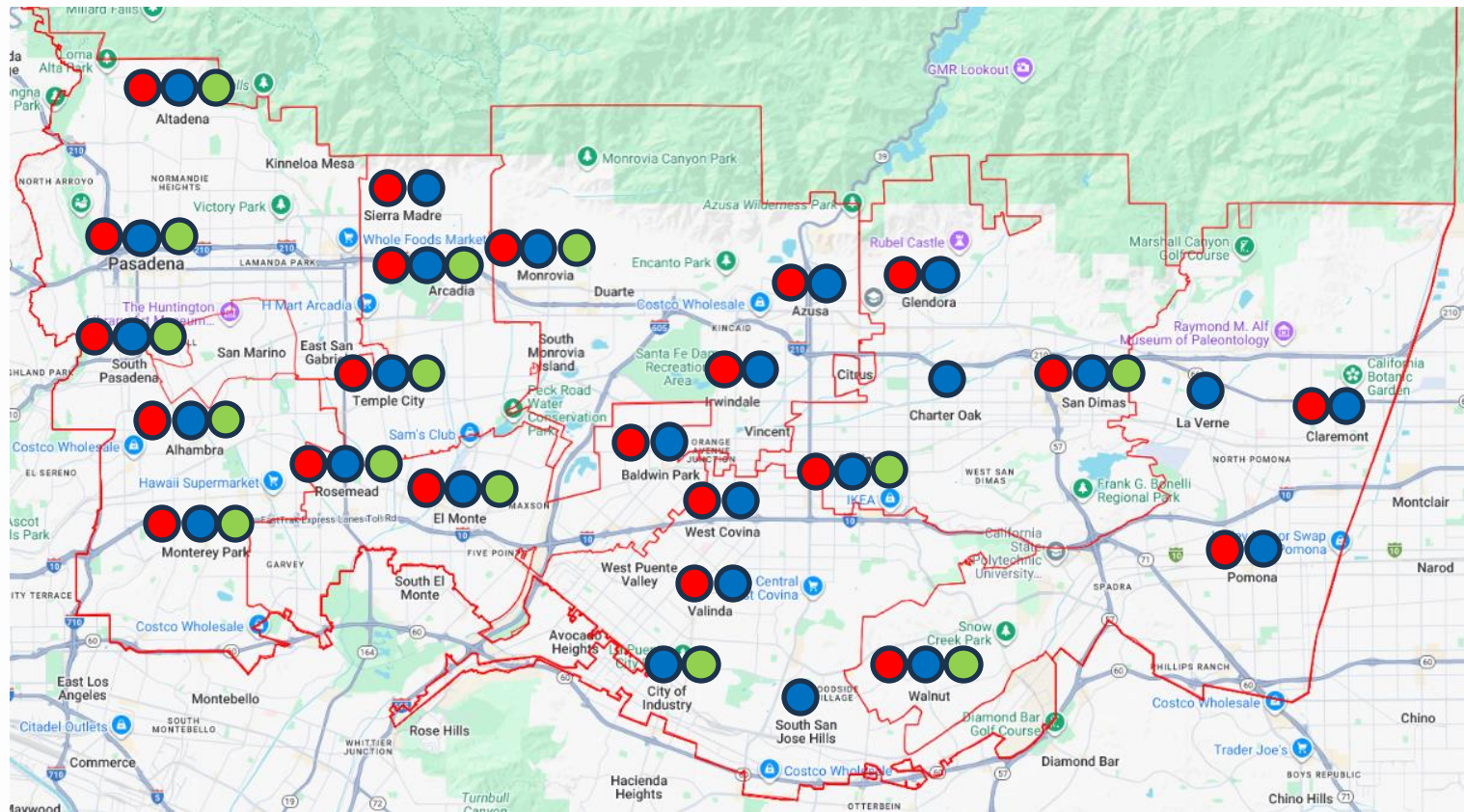


# Overview

- In 2024-25 we have been working with MosquitoMate to deploy WB1's in SGV
- 2026 we will be performing our first full-scale release of the product







● -*Ae. albopictus*

● -*Ae. aegypti*

● -*Ae. notoscriptus*

2025

# WB1 release goals

- Standardized product
  - Pesticide
  - Agency and vendor business
- IVM principles
  - One more tool in the toolbox, not a silver bullet
- Draw comparatives between regional and state programs
  - In house development vs purchase and shipped

*Wolbachia pipientis, wAlbB Strain*

**WB1 Males**

The *Wolbachia* bacterium prevents the development of Yellow Fever (*Aedes aegypti*) mosquito eggs

**ACTIVE INGREDIENT:** The Active Ingredient is *Wolbachia pipientis, wAlbB Strain\**, contained in live adult *Aedes aegypti* mosquitoes..... < 0.001% \*\*

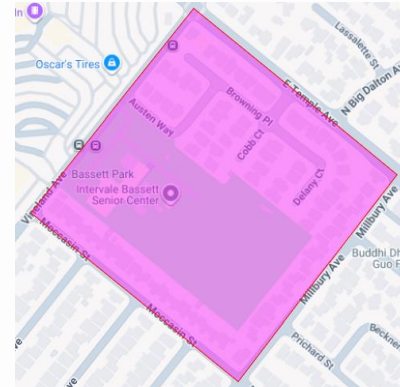
\* Cytoplasmic Incompatibility (CI) confirmation: egg hatch from incompatible matings < 0.2%

\*\* Percent (w/w) of adult male mosquitoes

# Preparation: Locations

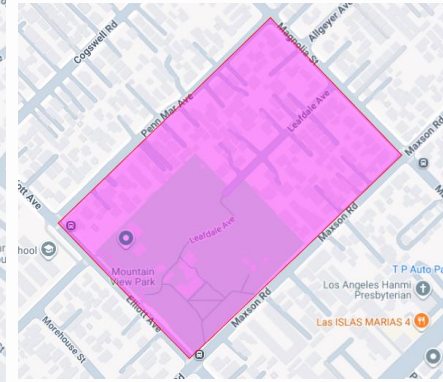
- Site selections
  - Pilot area characteristics
    - Primarily *Ae. aegypti*
    - 25-acre area
    - Mixed-use development
  - Comparable control area

## Treatment



Bassett Park

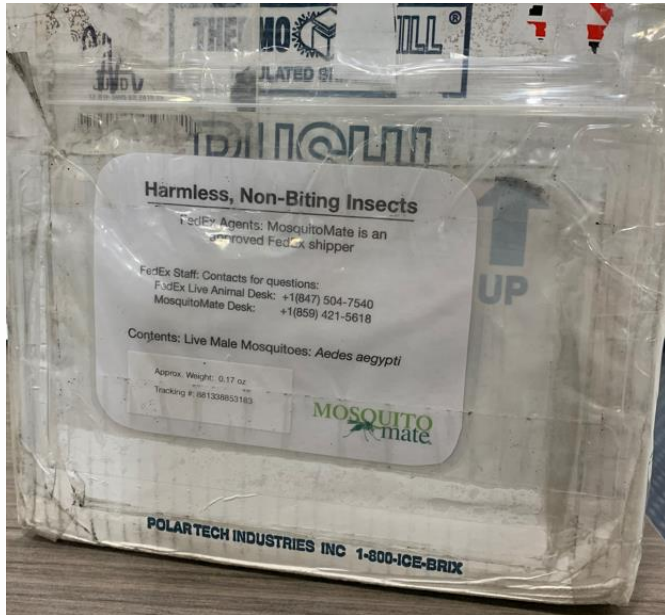
## Control



Mountain View Park

# Preparation: Product Evaluation

- Shipping: Received product



# Preparation: Product Evaluation

- In house mortality/competitive testing



- Semi field release competitiveness

# Preparation: Marking Evaluation

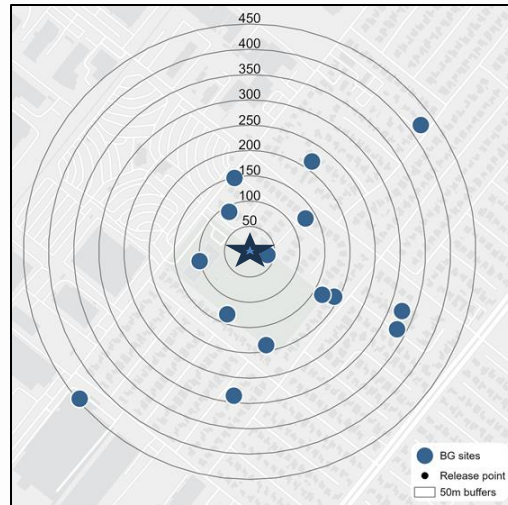
- Methodology testing



- Marked survivorship

# Preparation: Field Evaluation

- MRR 1 – October 15<sup>th</sup> - November 4<sup>th</sup>
  - Two releases, 1 week apart



# Preparation: Branding

- Mosquito Match



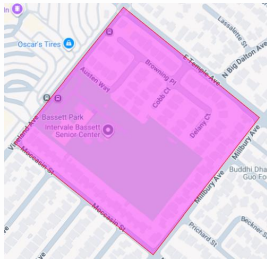
- CEU 27-0008, “SIT Outreach Strategies”



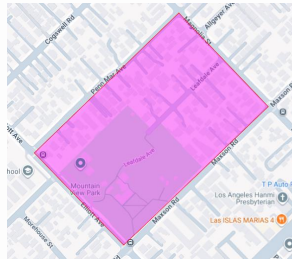
# 2026 Action Plan

- MRR 2, June 2026
- Continued treatment, control and District-wide *Aedes spp.* surveillance

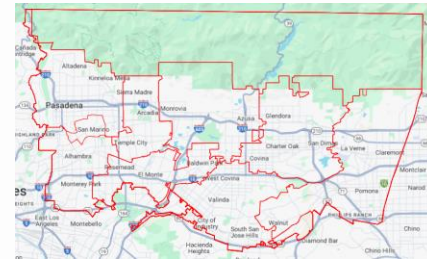
## Treatment



## Control



## District-wide



# 2026 Action Plan

- 16 weeks (July – October) of WB1 releases
  - Two releases per week



-Surveillance trap site



-1 acre block



-25 acre area



Teamwork makes the male mosquitoes fly





# THANK YOU

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