

# **Evaluating the Impact of Stormwater Mitigation on Mosquito Populations, Water Quality, and Quality of Life in New Orleans, Louisiana**



**Bayou Land RC&D Council  
New Orleans Mosquito Rodent & Termite Control Board  
Water Works**

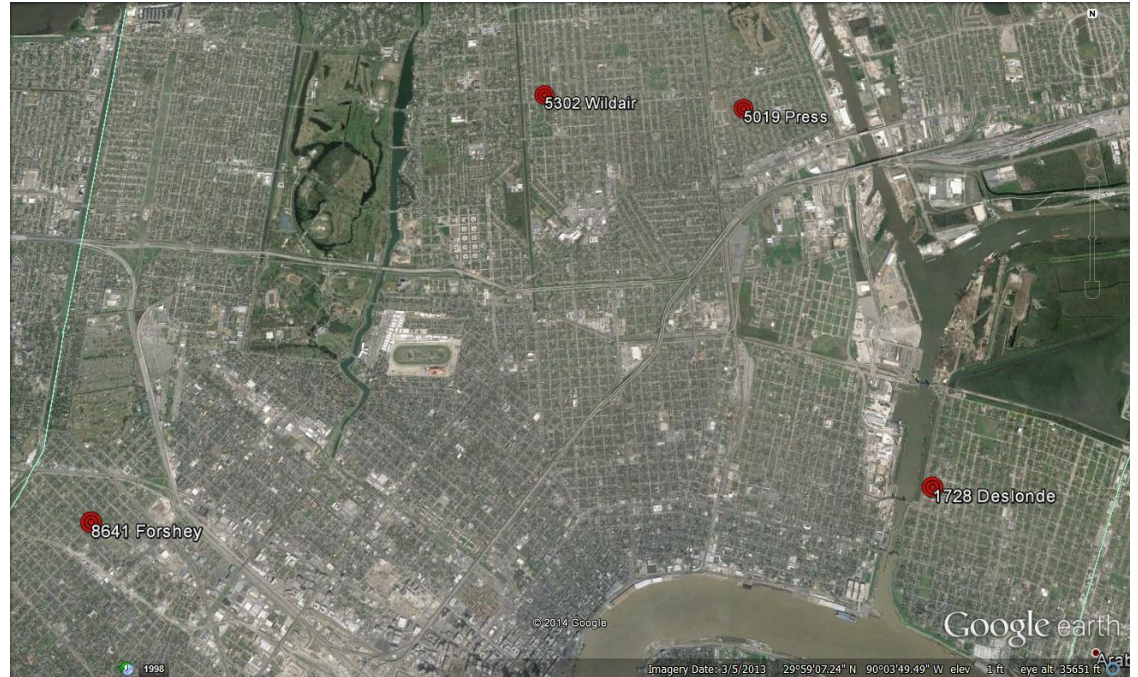
# Project Goals

- Monitor green infrastructure sites to ensure that these areas are: draining properly, improving water quality parameters, and are not providing mosquito breeding habitats
- Increase citizen understanding of green infrastructure (GI) opportunities and limitations
- Increase citizen engagement with GI from the lot to the neighborhood level
- Provide managers with technical guidance which will inform MS4 program and support design criteria identified in local policies and ordinances.

# Map of Project Area

Target rain gardens:

- 5302 Wildair Dr  
(Fillmore)
- 5019 Press Dr  
(Gentilly Woods)
- 1728 Deslonde St  
(Lower 9th Ward)
- 8641 Forshey St  
(Hollygrove)

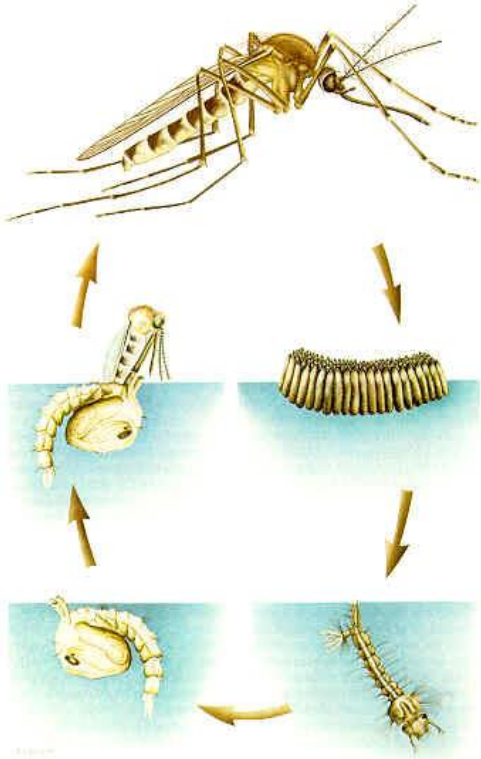




# Citizen monitoring



# Mosquito Biology



## Surveillance -

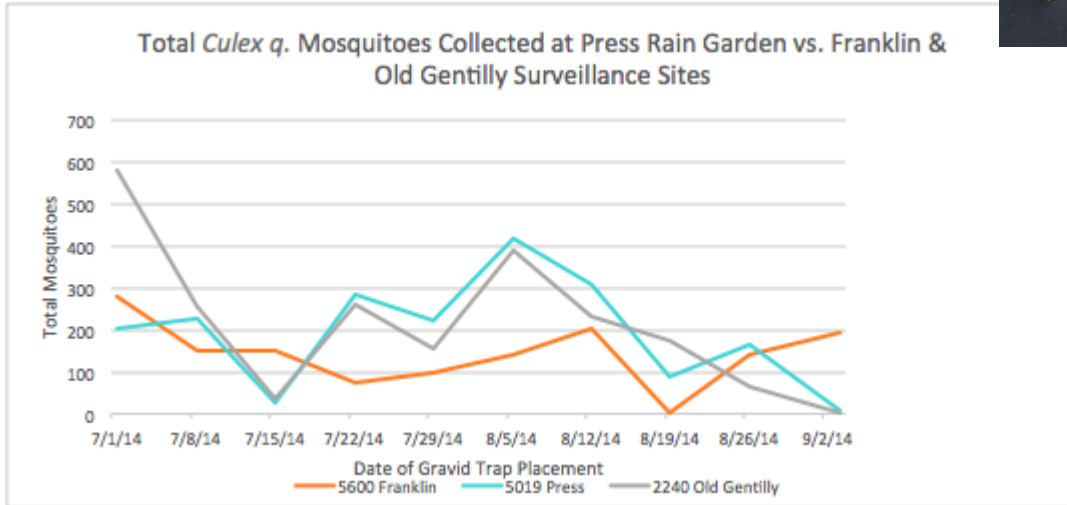
- Gravid trap
- Inspections





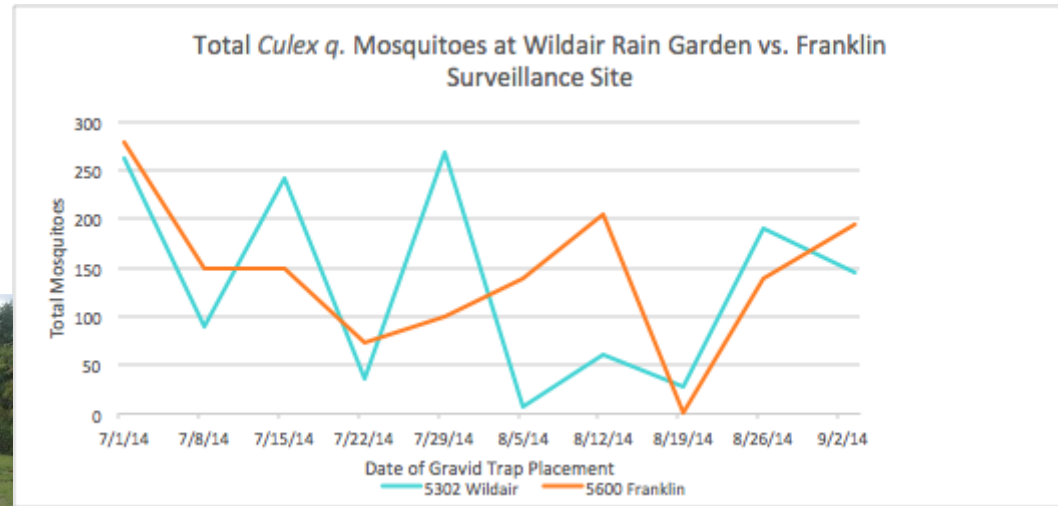
# Mosquito data collected to date

## 5019 Press Dr. Rain Garden

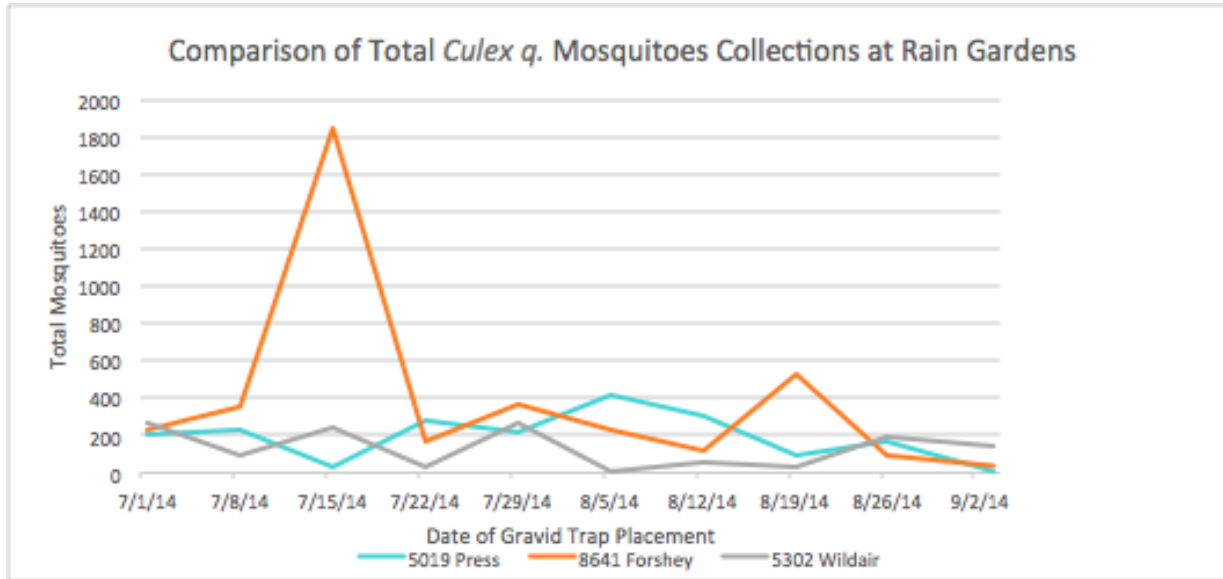


# Mosquito data collected to date

## 5302 Wildair Dr. Rain Garden



# Mosquito data collected to date



8641 Forshey St. Rain Garden





# Anticipated Outcomes

- Increased technical knowledge of the ability of green infrastructure to reduce water pollution and mosquito vectors
- Citizens will be more informed and engaged the City will have data to support the implementation of GI policies and ordinances.
- Support will be established for lot level and neighborhood level stormwater management from storm drain maintenance to rain garden construction

# Questions?



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