Janice T. Booher, MS

**Director UUJF Climate Resilience Ministry** 

October 31, 2018

JJLBooher@comcast.net





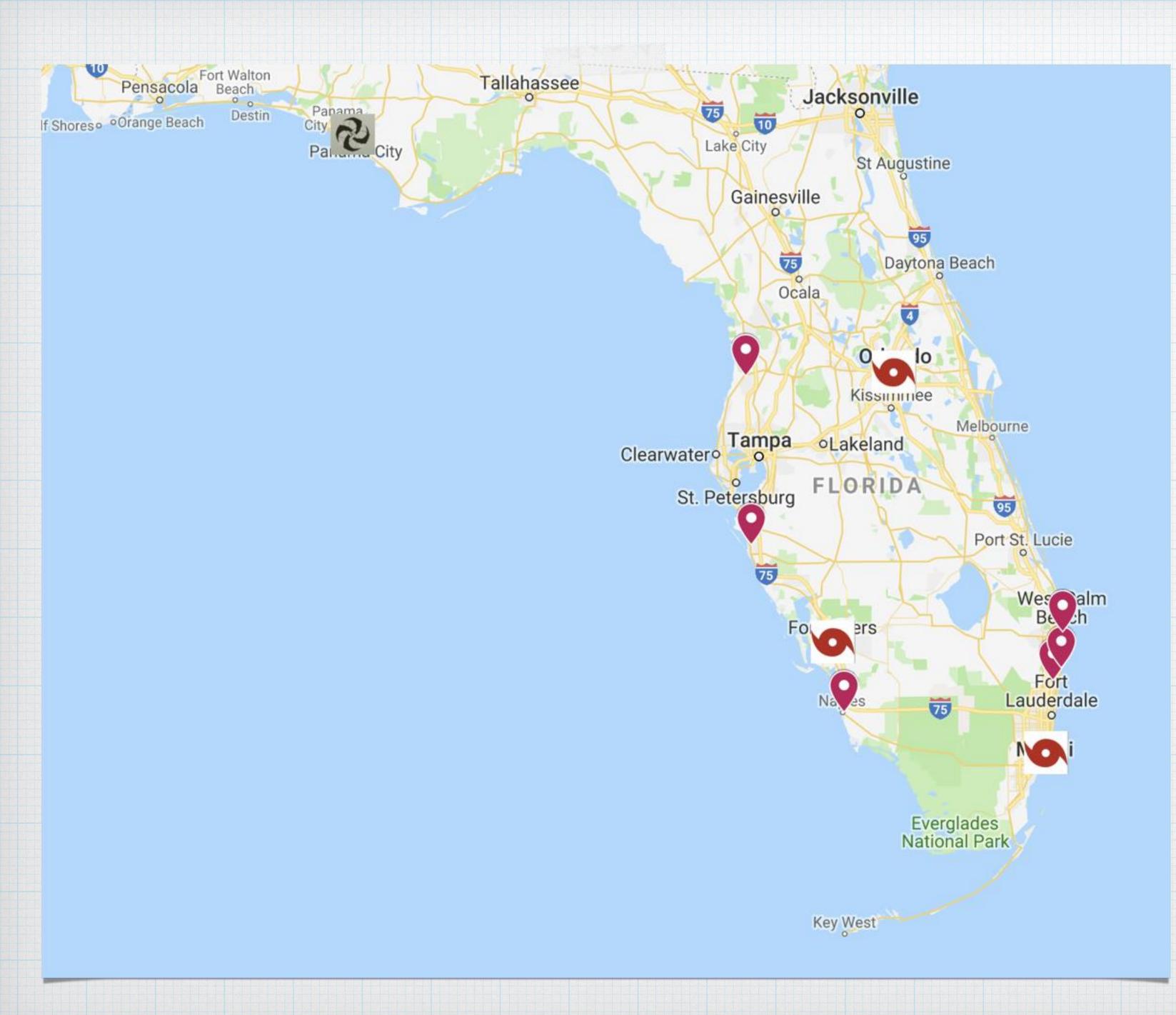
Building Climate Resilience by Building Community

# Citizen Science

ReACT Tool Kit









SEYM

Simplicity, Peace, Integrity, Community, Equality, and Sustainability are our central testimonies: a way of life, in the Light, and a call to action to work for a culture of peace, justice, and care for the Earth. -Southeastern Yearly Meeting of the Religious

Society of Friends



Center for Public Service Communications

NLM/NIH Community Health Mapping Initiative





In Partnership with



### In Cooperation With

New Florida Majority

FIU School of Communication + Journalism

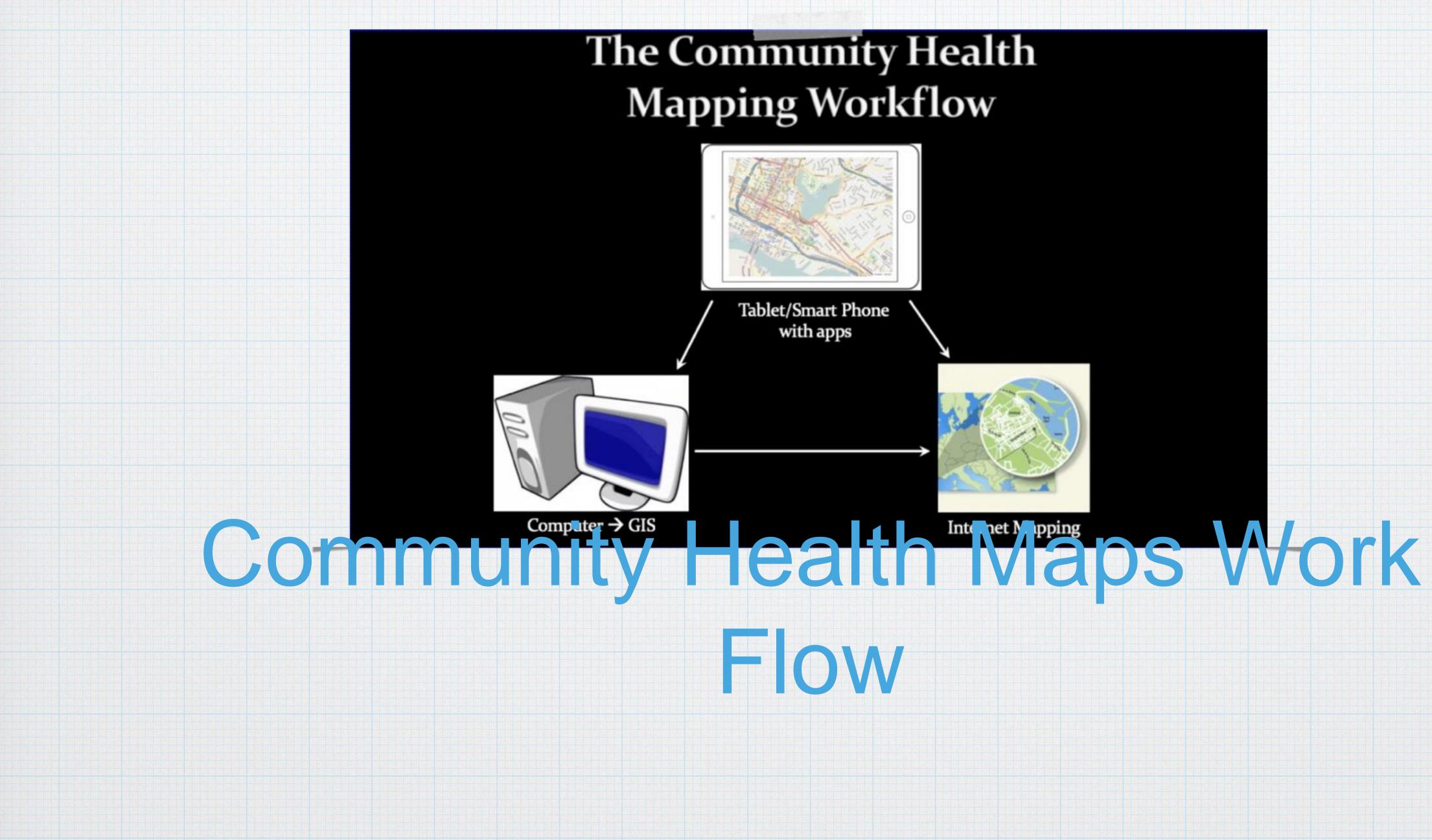
Catalyst Miami

City of Miami

Miami Dade County











### COMMUNITY DEPLOYMENTS Hurricane Damage

See deployments of Fulcrum Community in hurricane affected areas.









### Post Irma & Maria Damage Assessment

A team of engineering faculty with NSF support are conducting damage assessments. Collaborators are from Auburn University, Florida Institute of Technology, Florida International University, University of Florida, University of Notre Dame, & James Cook University

### **View Community**



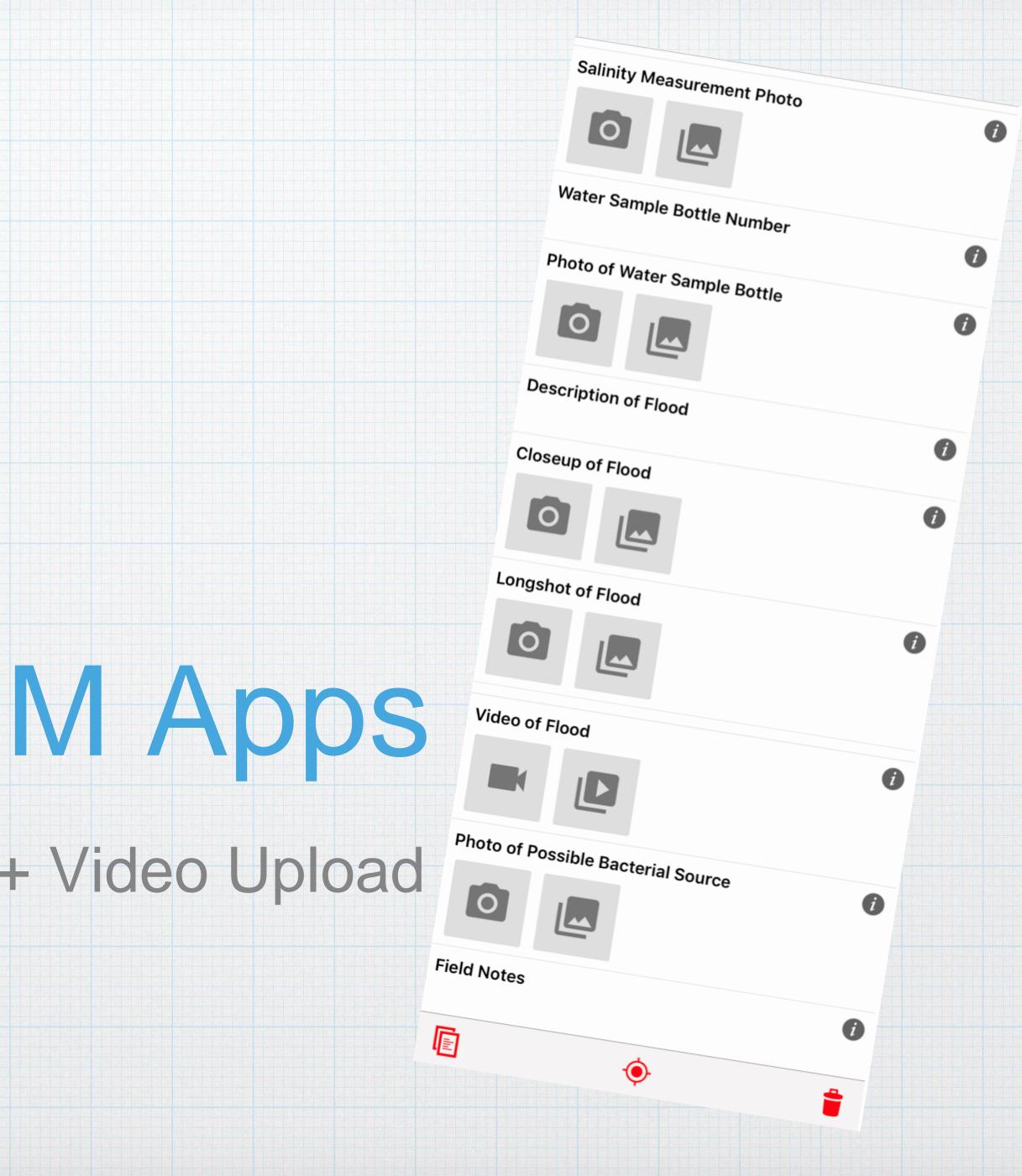
### Harvey Relief

Houston, TX was inundated with more than 50 inches of rain after Hurricane Harvey made landfall Aug. 26 and stalled over the area.

### View Community



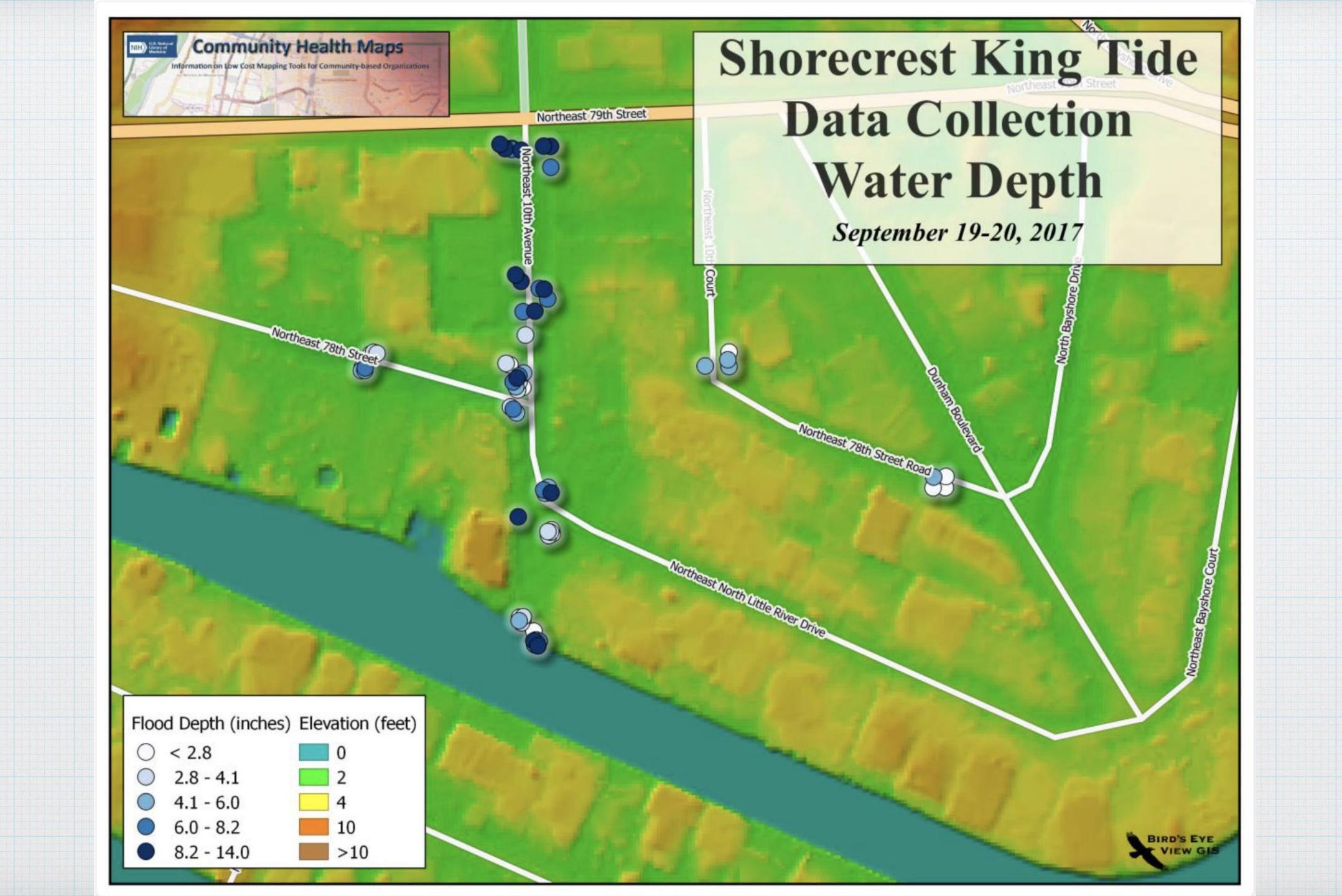
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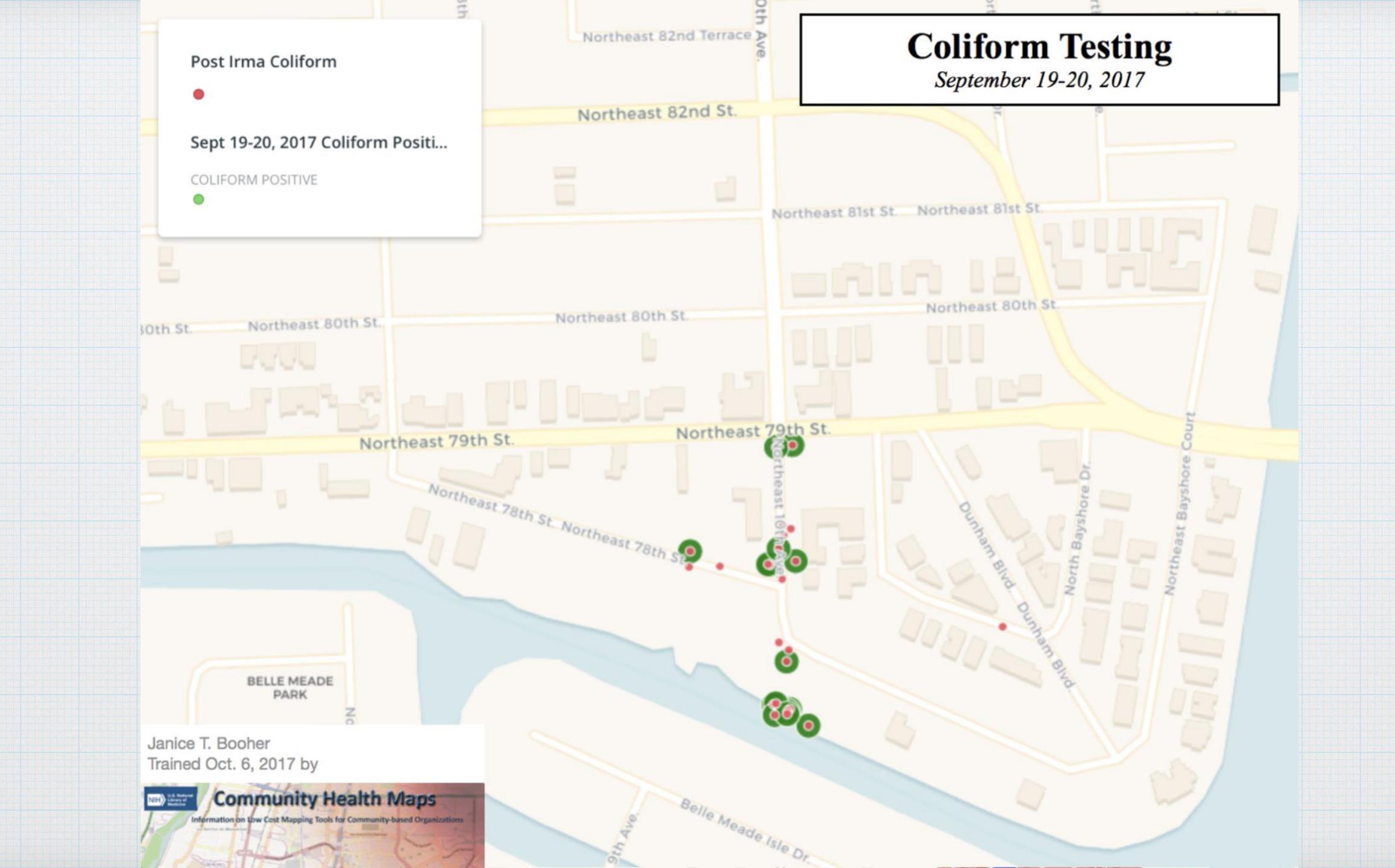




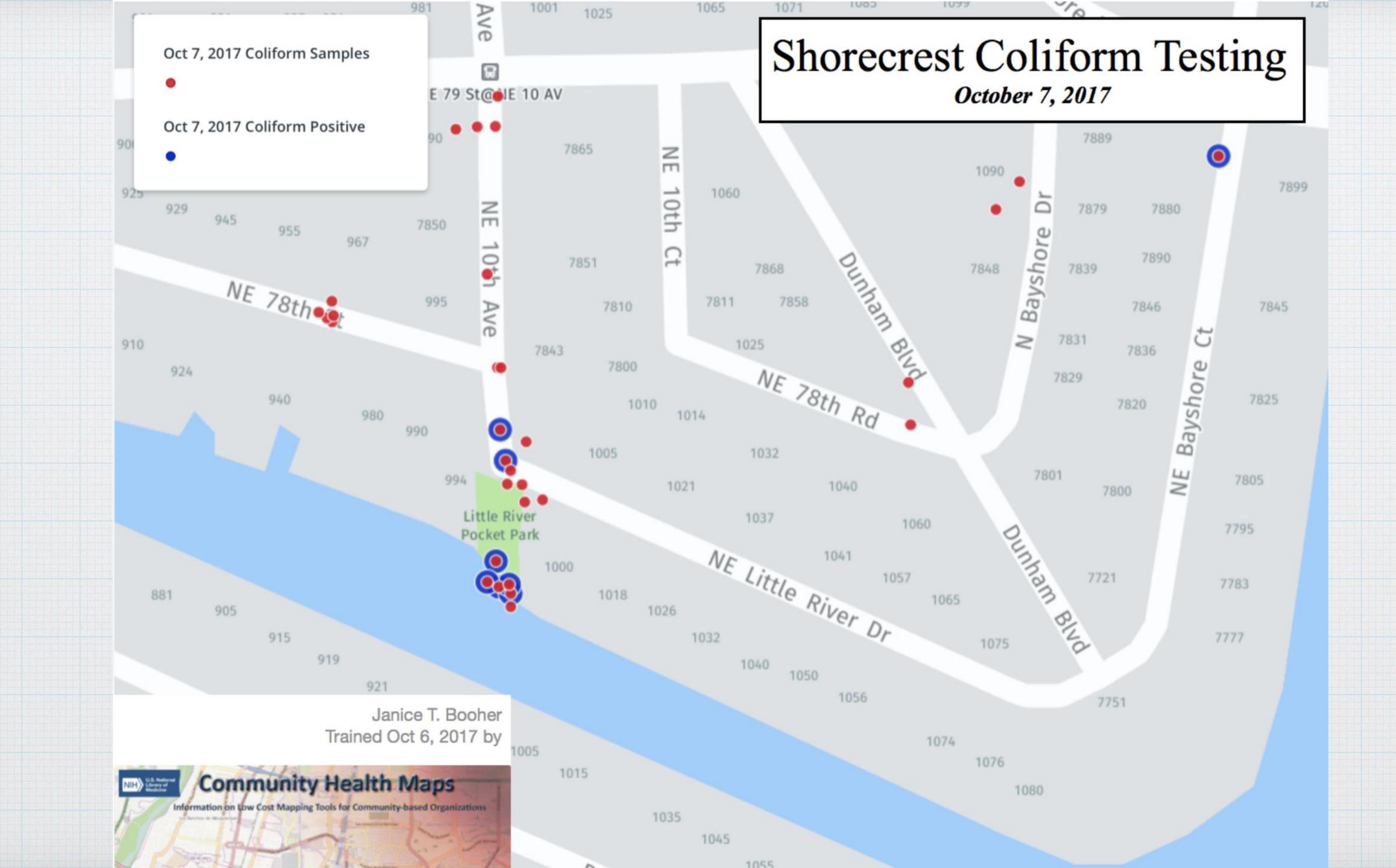




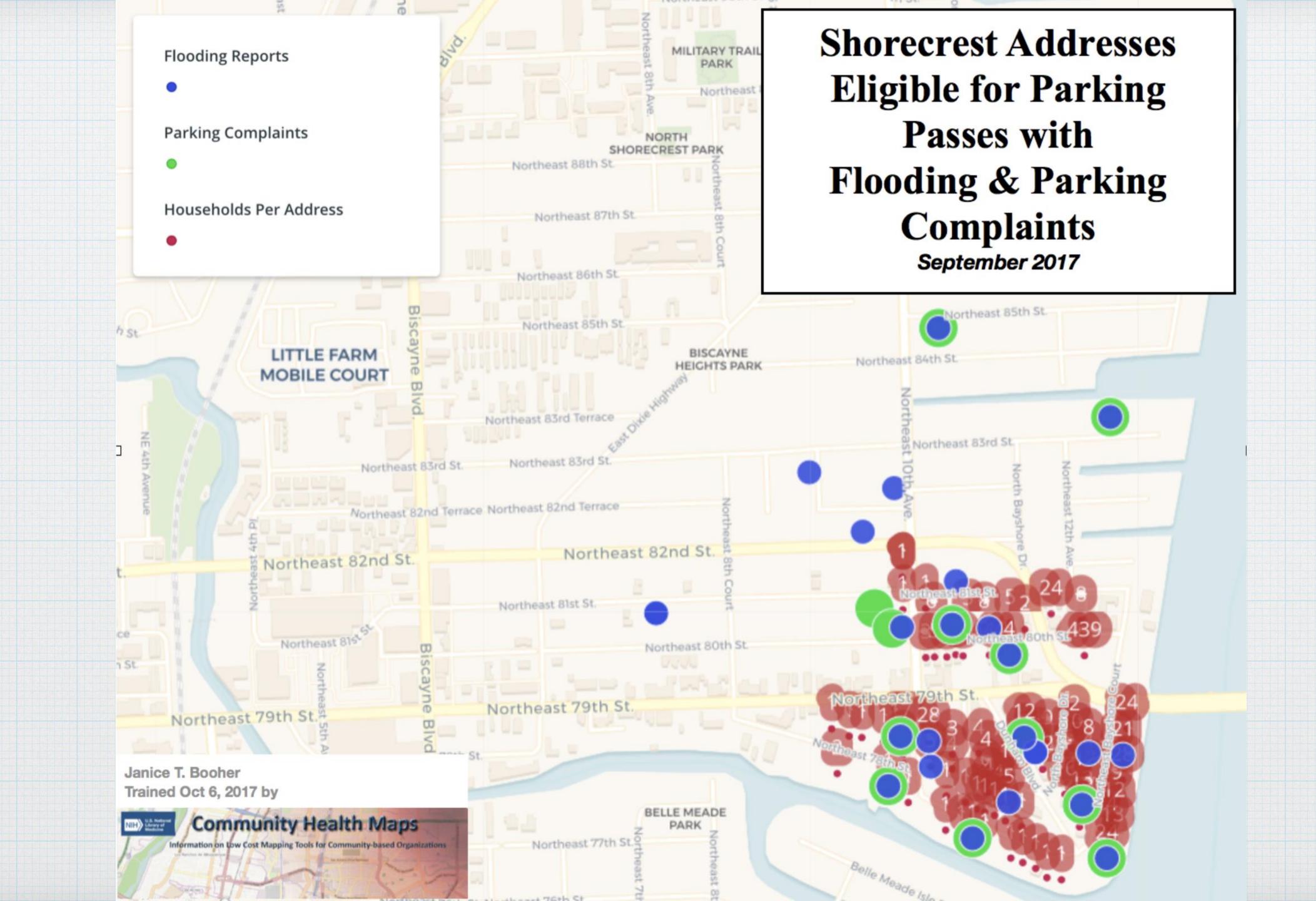
















# King Tide Citizen Science Challendes

### \* Understanding Units

### Interpolation

## \* Labeling Discipline in the Field

## \* Chain of Custody in the Field

## \* Protective Gear in the Field





## NFL Disaster Resilience

- \* Faith Partners (East Bay Baptist Church, Palo Alto Church of Christ, UU Church of Pensacola, UU Church of Tallahassee, UU Fellowship of Bay County, and more...)
- Future Flash
- \* Johnson Brothers Wholesale Meats
- Lead Coalition of Bay County
- League of Women Voters
- Miami Climate Alliance
- Movement 4 Change
- Mutual Aid Disaster Relief
- \* NAACP
- \* Third Wave Volunteers
- UF-IFAS Extension Agents
- \* Unitarian Universalist Justice Florida
- \* And many more...

Initiative

# \* Earth Charter Institute Olacological Activity of the System

Home Forum Groups Maps Resources

User login	Tropical Weather - Michael - News and Information Resources
Username *	Tue, 2018-10-09 00:09 — Kathy Gilbeaux
	AN EXPANDING LIST OF NEWS AND INFORMATION RESOURCES RELATED TO TROPICAL WEATHER - MICHAEL
Password *	CLICK HERE - WJHG - Hurricane Michael Recovery Information - by County
	CLICK HERE - Air Force Personnel Center - HURRICANE MICHAEL RECOVERY EFFORTS
🛧 Log in using OpenID	CLICK HERE - Need help after Hurricane Michael? Want to help? Here's a list
4	CLICK HERE - Free legal assistance available for Florida Hurricane Michael survivors
Create new account	CLICK HERE - FEMA - Debris Removal Guidelines
Request new password	CLICK HERE - Florida Division of Emergency Management (FDEM) - News Archive - 2018
	CLICK HERE - Without power and living in tents: Florida Panhandle struggles after Michael - October 26, 2018
Log in	Country / Region Tags: US - SouthEast
	General Topic Tags: Climate Emergency Management Extreme Weather
Navigation	Problem, Solution, SitRep, or ?: Situation Report
► Blogs	Read more Log in or register to post comments

- Search
- Recent posts
- Calendar



Search

Related inks

We Have / We Need

Anonymous's groups in this site

### Hurricane Preparedness - Information Resources

Thu, 2016-10-06 00:42 --- Kathy Gilbeaux General Topic Tags: Climate Extreme Weather Oceans Visualization Problem, Solution, SitRep, or 7: Situation Report AN EXPANDING LIST OF INFORMATION RESOURCES FOR HURRICANE PREPAREDNESS . . . National Hurricane Center - Active Tropical Cyclones http://www.nhc.noaa.gov/cyclones/

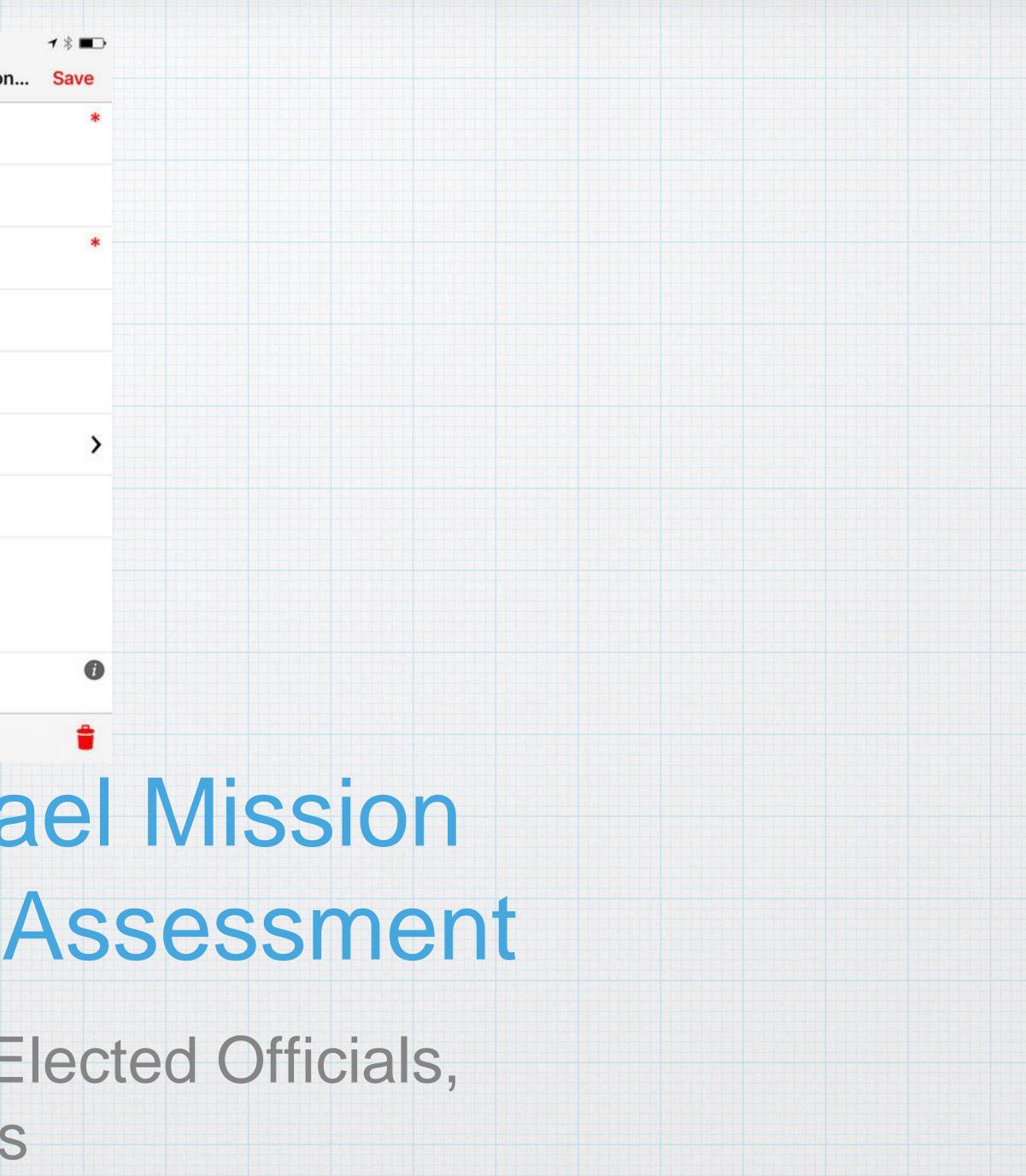
National Hurricane Center - Atlantic 5-Day Graphical Tropical Weather Outlook http://www.nhc.noaa.gov/gtwo.php?basin=atlc&fdays=5

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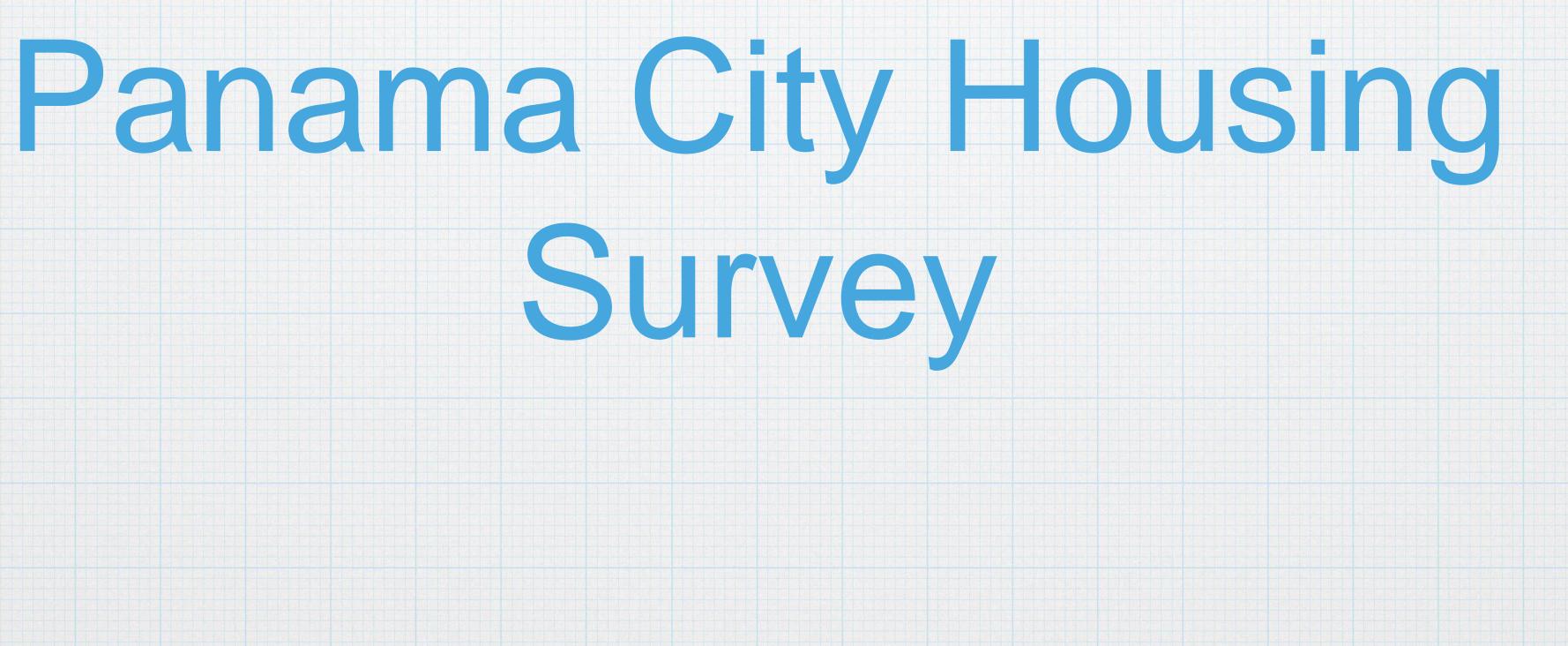


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1. Water Distribution Infrastructure	0	11. Energy – Lighting and Cooking Infrast
2. Food Security in Disaster Related Events	0	12. Renewable Energy vs. Grid Energy
3. Agricultural Sector Production Scale for Communities	0	13. Education System
4. Housing Safety	0	14. Hygiene and Prevention
5. Environmental Health and Safety	0	15. Communications Systems
6. Health Services	0	16. Sewer / Septic Systems
7. Shelter in Place and Evacuation Systems	0	17. Solid Waste Management
8. Psychosocial Resilience	0	
9. Supply Chains; Logistics	0	
10. Energy Infrastructure – Temperature	0	

### **Mission Critical Functions Assessments**

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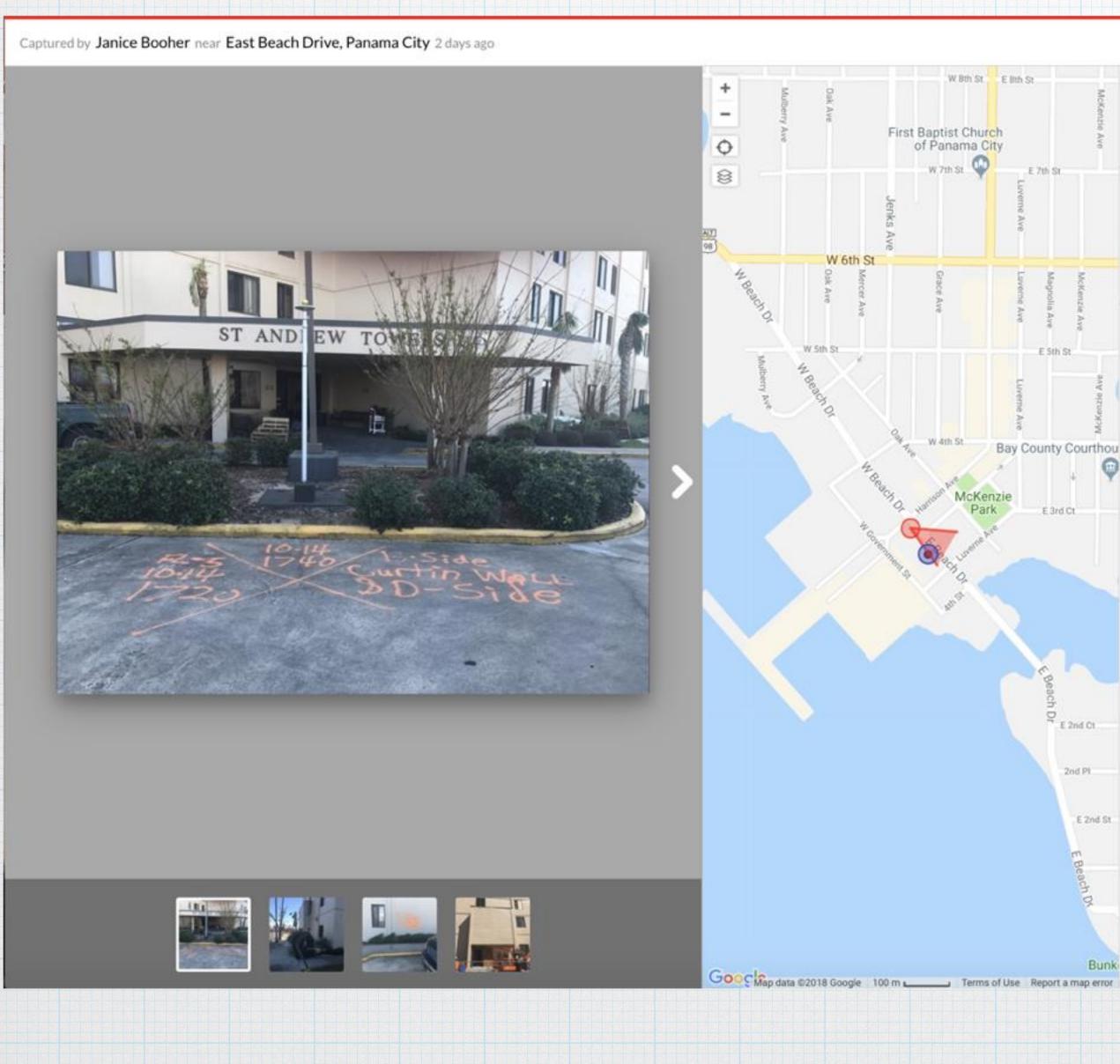




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https://web.fulcrumapp.com/shares/e-

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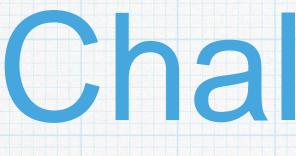


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### \* Training required before Response

### \* Download Apps before entering disaster zone

### \* Save on site/Synchronize when there are comms

### Without training, very simple apps are needed

Redundancies are necessary in a disaster Zone (FULCRUM Apps + Google Surveys + Paper Surveys)

# Challenges







# 

### **Pre-position Assets**



