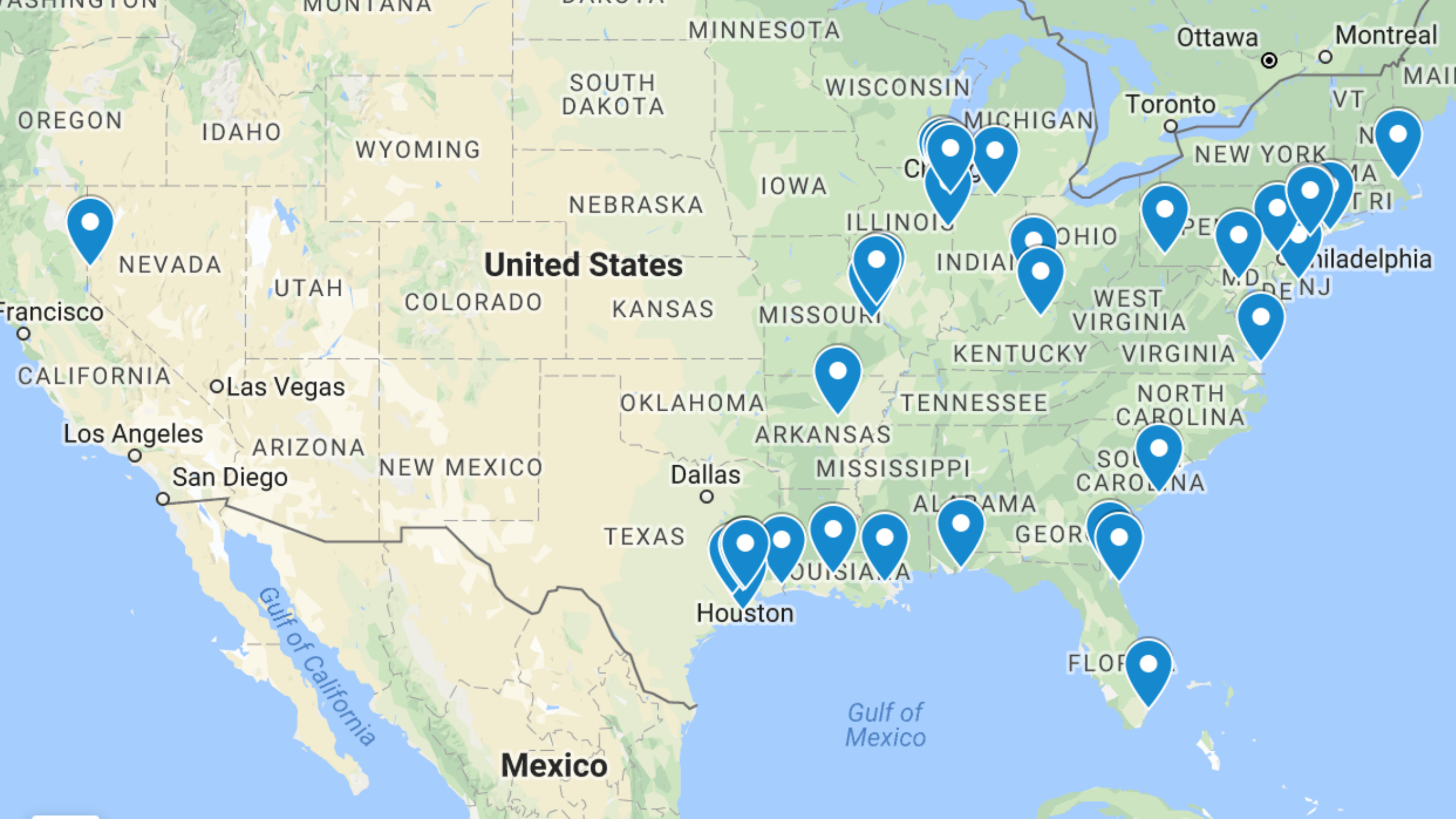




**I FLOOD
AND
I VOTE**

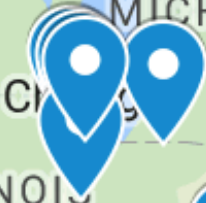
**I FLOOD
AND
I VOTE**

**I FLOOD
AND
I VOTE**



United States

Mexico



San Francisco

Las Vegas

Los Angeles

San Diego

Dallas

Houston

Toronto

Ottawa

Montreal

Philadelphia

Gulf of California

Gulf of Mexico

Stop the Flooding NOW!, Virginia Beach, VA

Virginia Wasserberg and William Jennings

RainReady Chatham, Chicago, IL

Lori Burns

Coalition for Wetlands and Forests, Staten Island, NY,

Gabriella Velardi-Ward

Residents Against Flooding, Houston, TX

Ed Browne

Our questions

- What are the state and national legislation/policies we should be pushing for?
- Who can we work with? (organizations/individuals)
- How do we build political influence? (national/state/local)

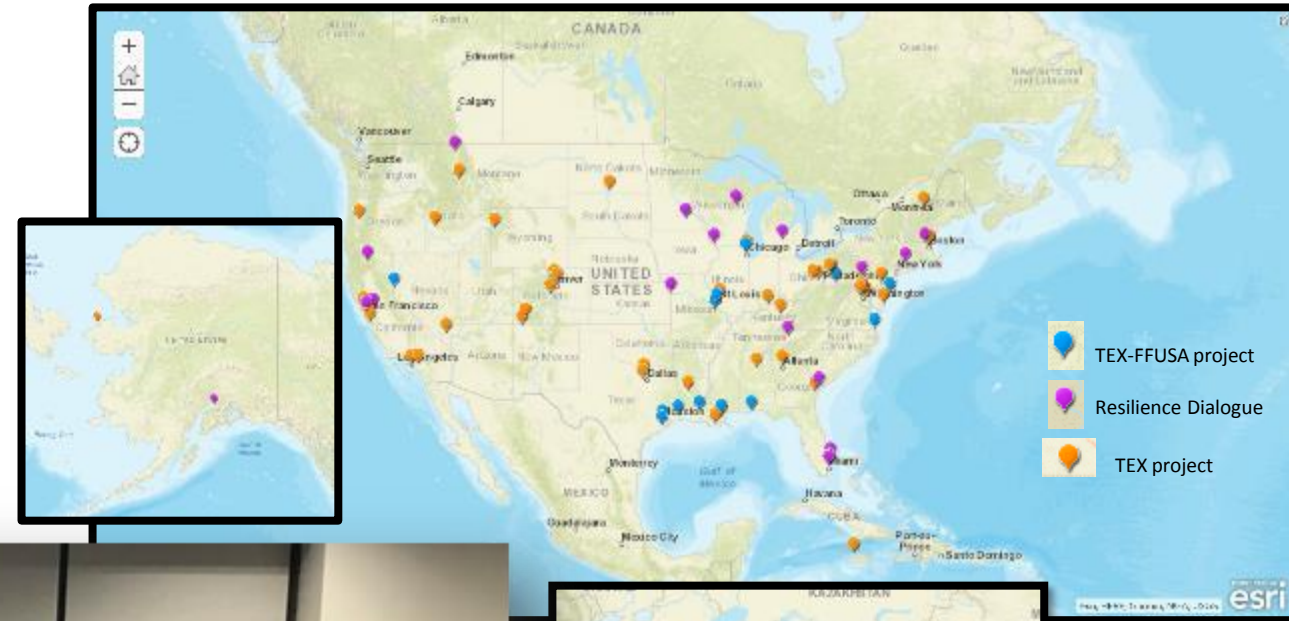


Communities and scientists working together,
using Earth and space science,
to advance local priorities
relating to climate change, natural hazards & natural resources.

www.thrivingearthexchange.org @ThrivingEarth tex@agu.org

Community Impact

- Over 80 Projects; 25 completed
- Impacting over 12 million people
- 12 projects with Flood Forum, more to come





Ocean City, NJ



Houston, TX



Connellsville, PA



Port Arthur, TX



Lafayette, LA



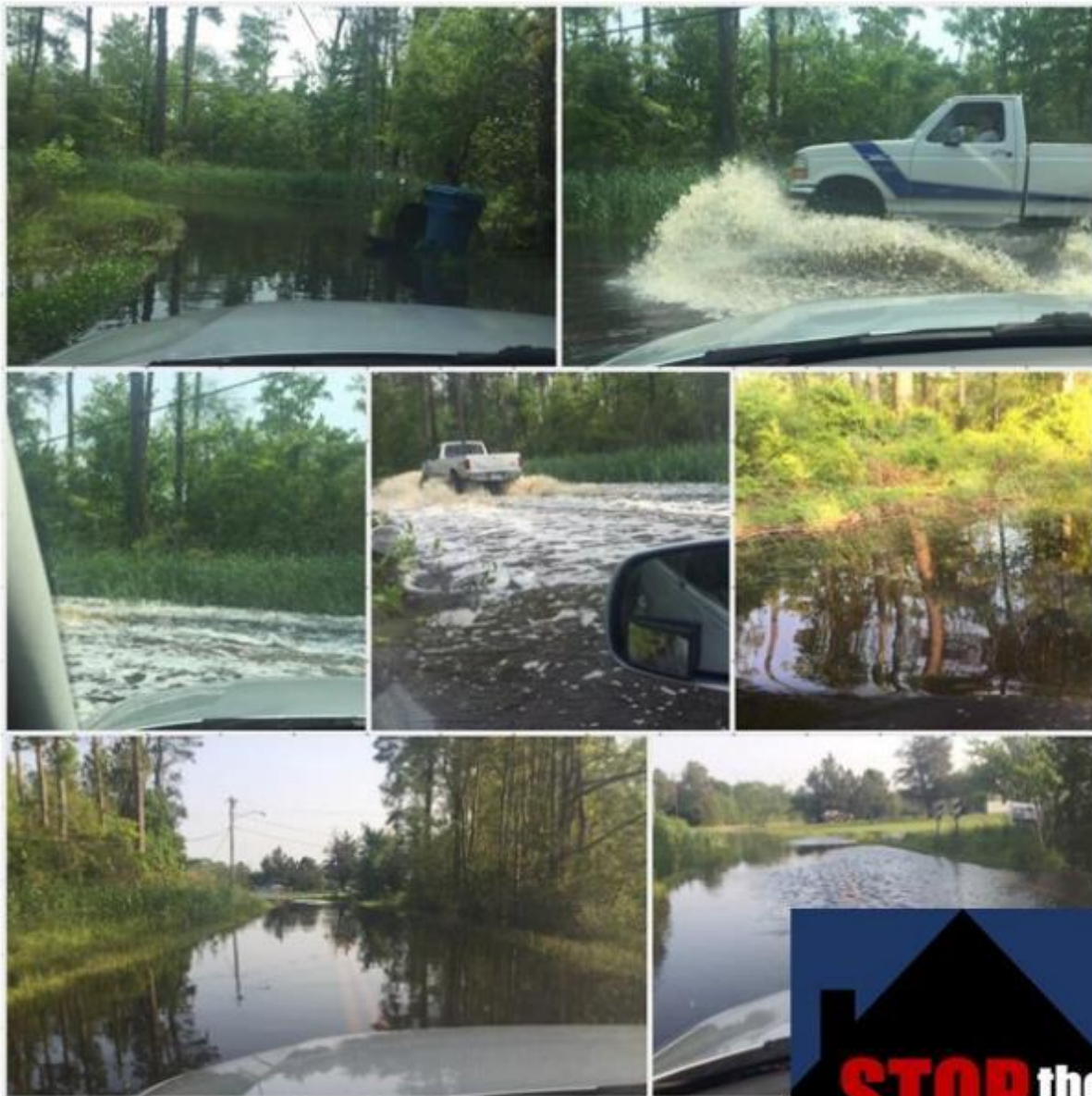
Virginia Beach, VA

Our Process



How we make a difference together:

- With new knowledge gained, community leaders demonstrate increased confidence in speaking with local elected officials about flooding issues and advocating for change
- Working alongside a pro-bono hydrologist can:
 - Increase a community leader's credibility
 - Clarify confusing terminology
 - Encourage communities to think on long-term horizons
 - Help communities think outside the box when it comes to solutions
- Scientists can leverage their science for good, learn new skills, develop new friends and colleagues, and reach new communities



Sunny-Day Flooding

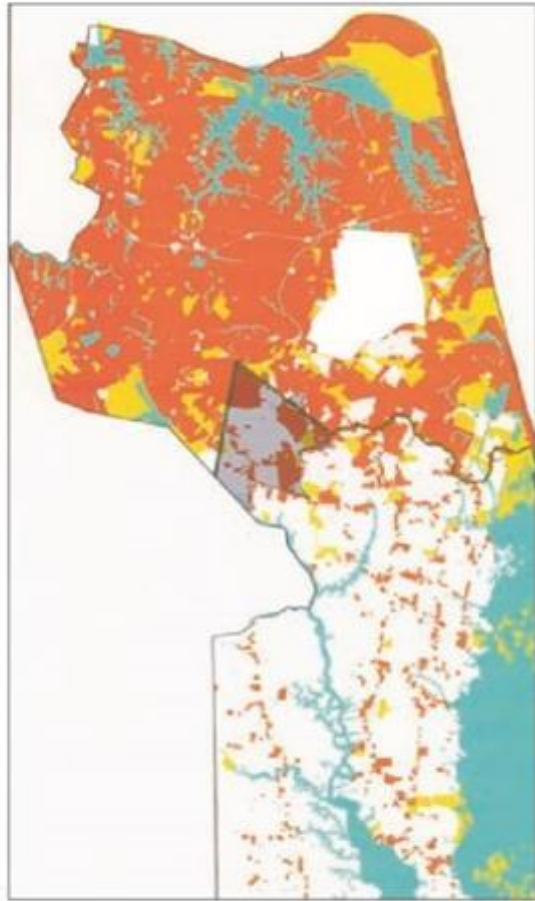


Rainfall Events/Hurricanes

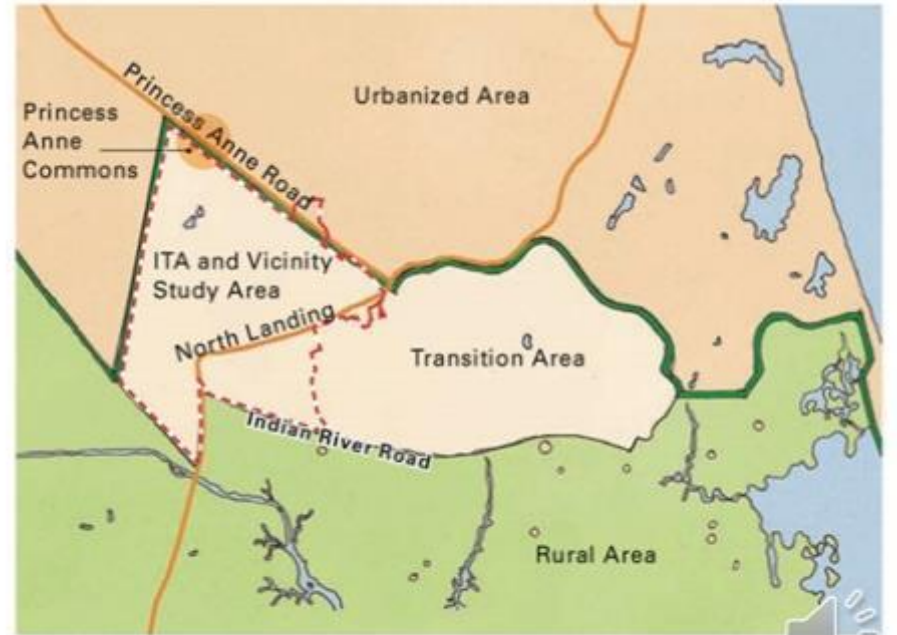
STOP the
FLOODING NOW

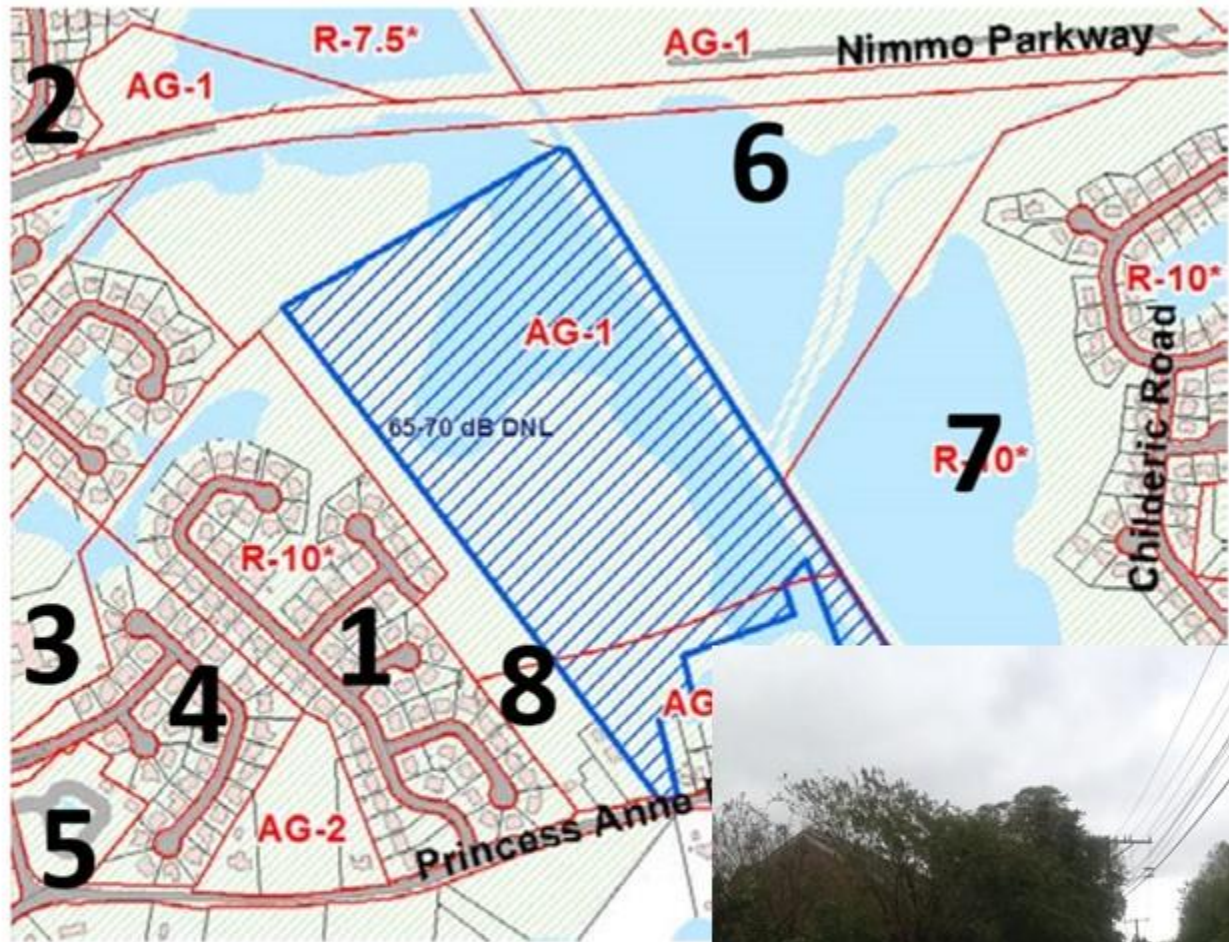


2000



-  EXISTING DEVELOPMENT
-  EXISTING OPEN SPACE AND PARKS

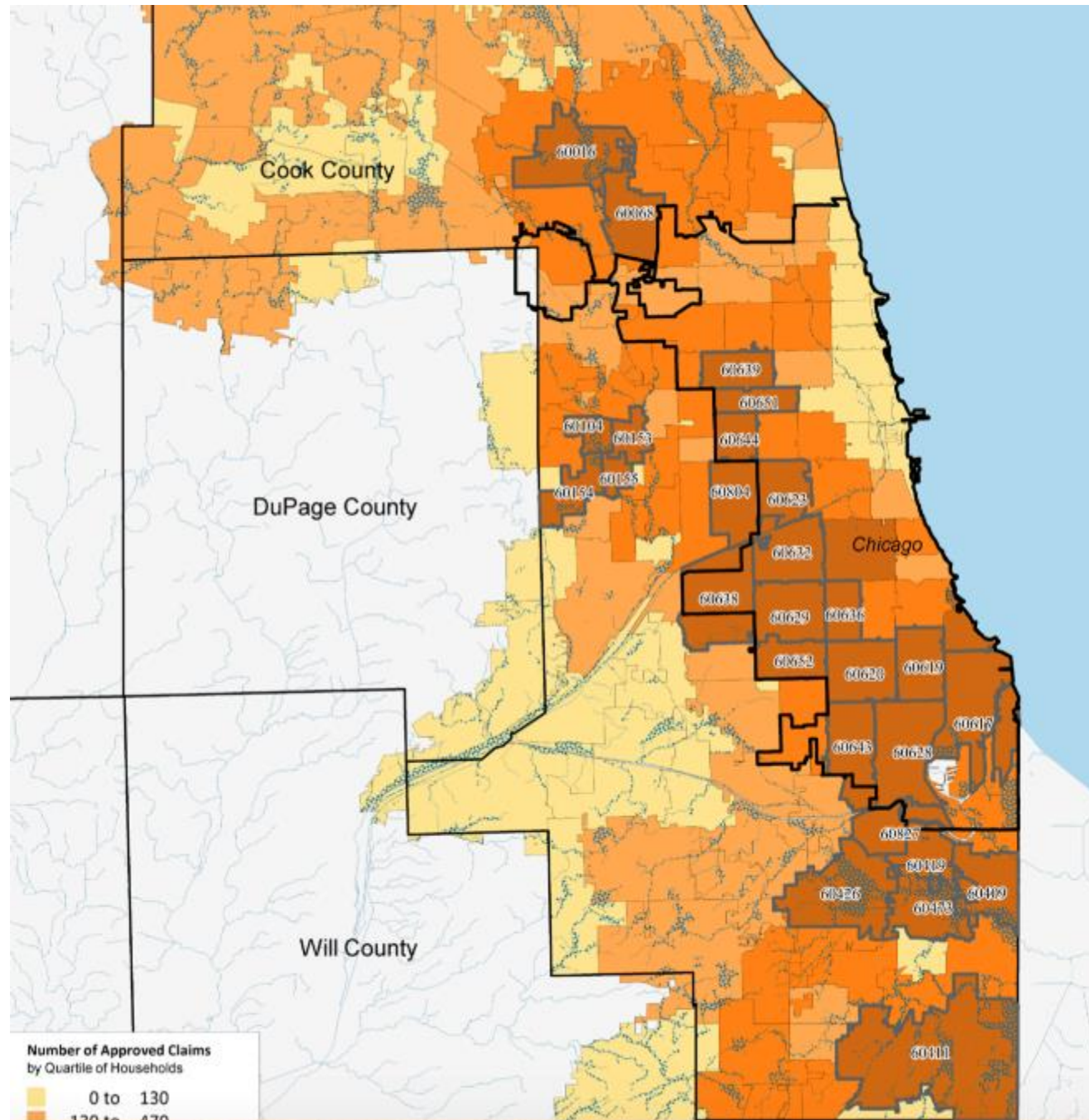




In Illinois, 92% of flooding occurs outside of the floodplain.

In Chatham, 100% of flooding occurs outside the floodplain, as there are no floodplains in the neighborhood.

The majority of flood victims, whose homes and businesses flood after rainwater overwhelms drainage systems, are **an invisible majority** left with few resources.



Urban Flooding

2007-2014 insurance claims were submitted in 99% of Illinois counties.

National Flood Insurance Program (NFIP) claims were only 2.9% of the total.

Average claim was \$6,559

Illinois insurance payouts and federal relief for urban flooding **totaled more than \$2 billion** in the period of 2007-2014, according to the UFAA study conducted by the Illinois Department of Natural Resources.



Ideally:

Chatham can reduce the volume of storm water from streets, driveways, roofs, and parking lots in the neighborhood, to have a significant impact on reducing its flooding problems.

Objective:

Improve local storm water management through protective ordinances, workforce development, and improved data sharing.

Challenges:

1. Low-lying topography
2. Increasing impervious surfaces
3. Changing climate
4. Aging infrastructure
5. Insufficient resources

The City of Chicago has the necessary programs in some form, such as:

- Residential Flood Assistance Program
- Complete Streets and Green Alleys
- Chicago Public School's Space to Grow
- Basement Flooding Partnership
- Private Drain Program
- Capital Improvement Program
- GreenCorps Chicago workforce development program
- Thrive Zone Development Grants
- Tax Increment Fund
- Neighborhood Housing Services
- Chicago Park District partnerships

What we lack is a coordinated policy campaign with designated leadership, high-visibility public outreach, and engagement for application of these programs in the communities.



The City of Chicago has the leadership, expertise, partnerships and track record to help Chatham's residents.

CLICK:

<https://www.bigmarsh.org/> <http://rainready.org/chicago-pioneers-rain-ready-practices>
<https://chicagotonight.wttw.com/2017/10/11/woodlawn-ground-approach-healthier-safer-community>



SAVE



**Graniteville
Wetlands and Forest**

DON'T FLOOD



OUR HOMES!



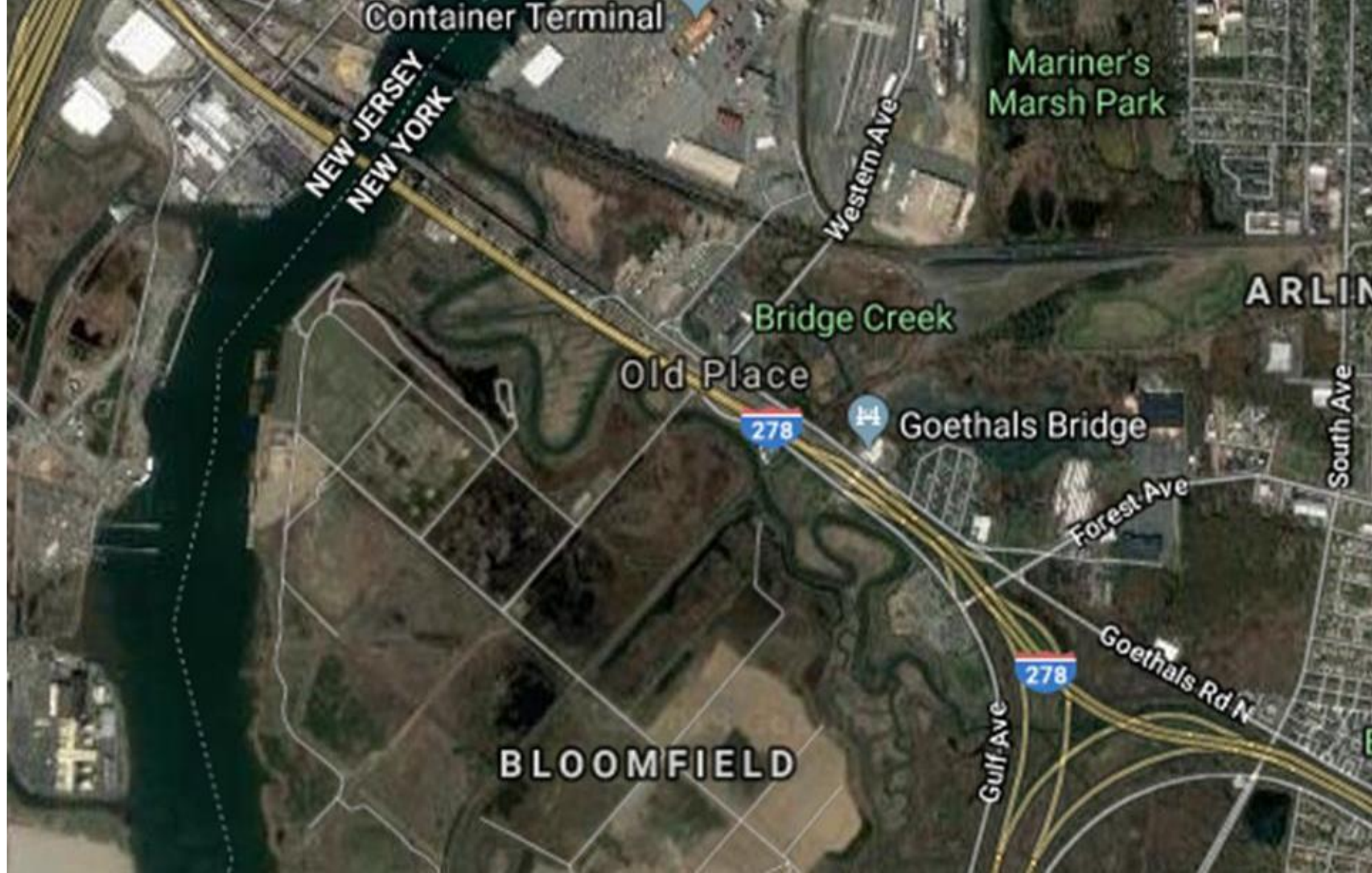
WWW.SICWF.ORG



GRANITEVILLE FLOOD MAP



**Coalition for Wetlands
& Forests Present:**
“FLOODING AND YOU”
Graniteville
Community Forum
Saturday April 28, 2018 2:30-4:30pm
Mariners Harbor Library
(206 South Avenue)



Container Terminal

NEW JERSEY
NEW YORK

Mariner's
Marsh Park

Western Ave

Bridge Creek

Old Place

278



Goethals Bridge

Forest Ave

South Ave

ARLIN

278

Gulf Ave

Goethals Rd N

BLOOMFIELD





Residents Against

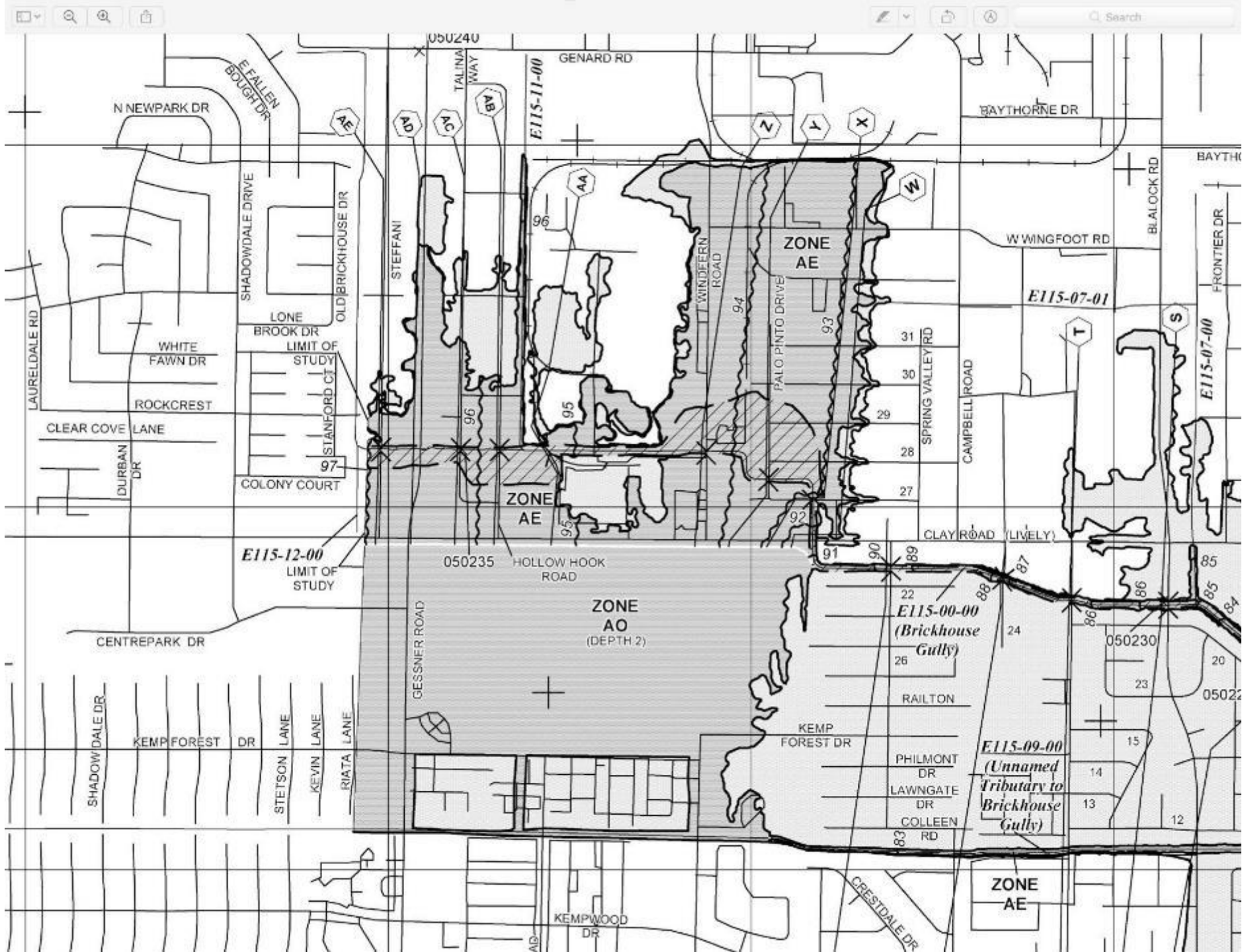
Flooding - MEETING

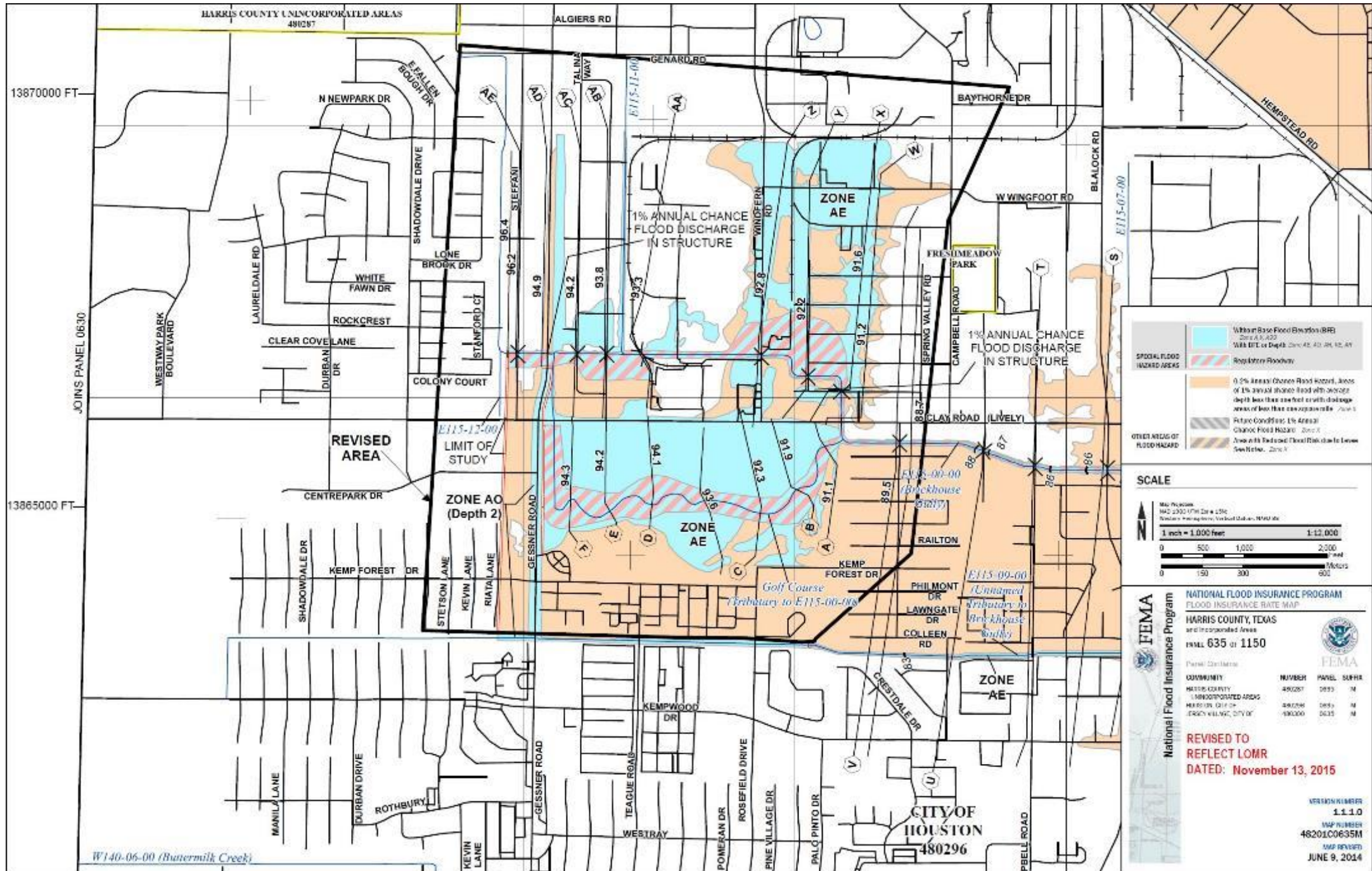
7:00 pm

JUNE 29

Memorial

Middle School





SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone AE, AO, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ
- With BFE or Depth Zone AE, AO, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.5% Annual Chance Flood Hazard, Zones AE, AO, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ
- 1% Annual Chance Flood Hazard, Zones AE, AO, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ
- Areas with Flooded Flood Risk due to Lower Antiflood, Zones AE, AO, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ

SCALE

Max Precision
NAD 83 UTM Zone 18N
Datum: North American Vertical Datum, NAVD83

1 inch = 1,000 feet

0 500 1,000 2,000 Feet

0 150 300 600 Meters

FEMA
National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP**

HARRIS COUNTY, TEXAS
and Incorporated Areas

PANEL 635 of 1150

Panel Details

COMMUNITY	NUMBER	PANEL	SURFS
HARRIS COUNTY UNINCORPORATED AREAS	480287	0635	M
HARRIS COUNTY	480296	0635	M
CRENSHAW, CITY OF	480297	0635	M

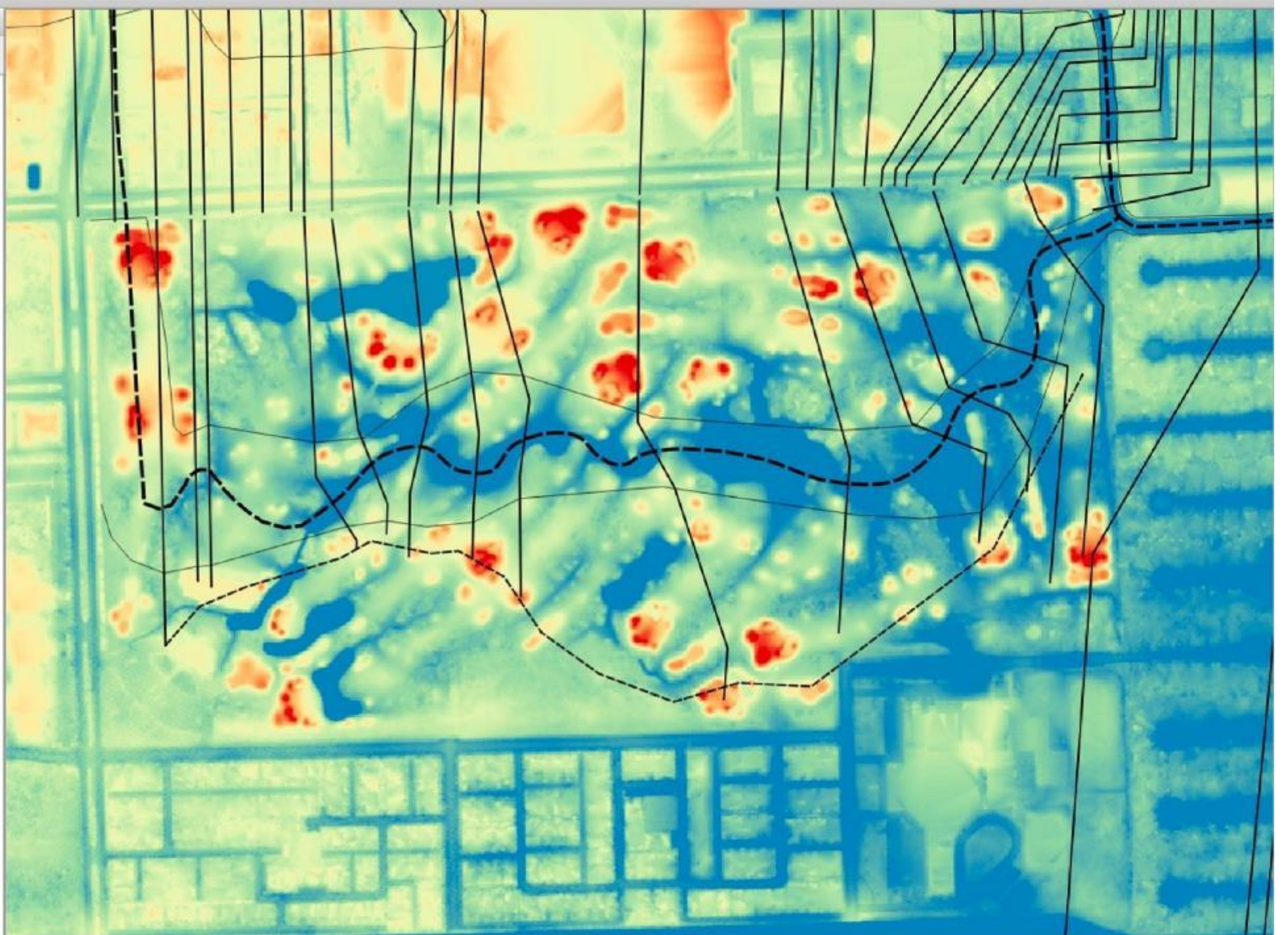
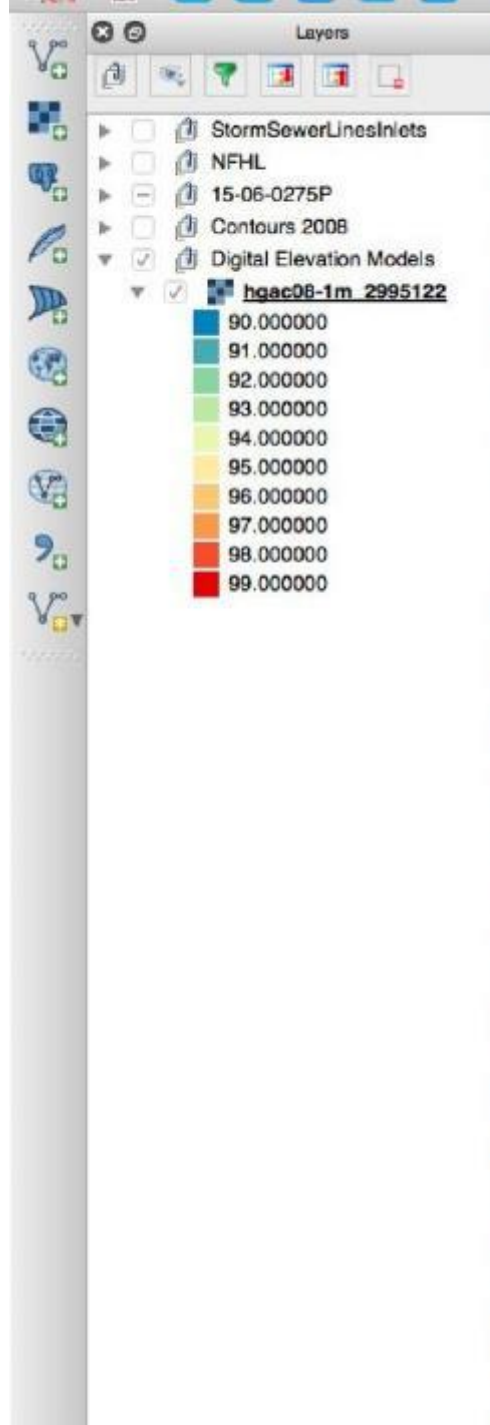
REVISED TO REFLECT LOMR

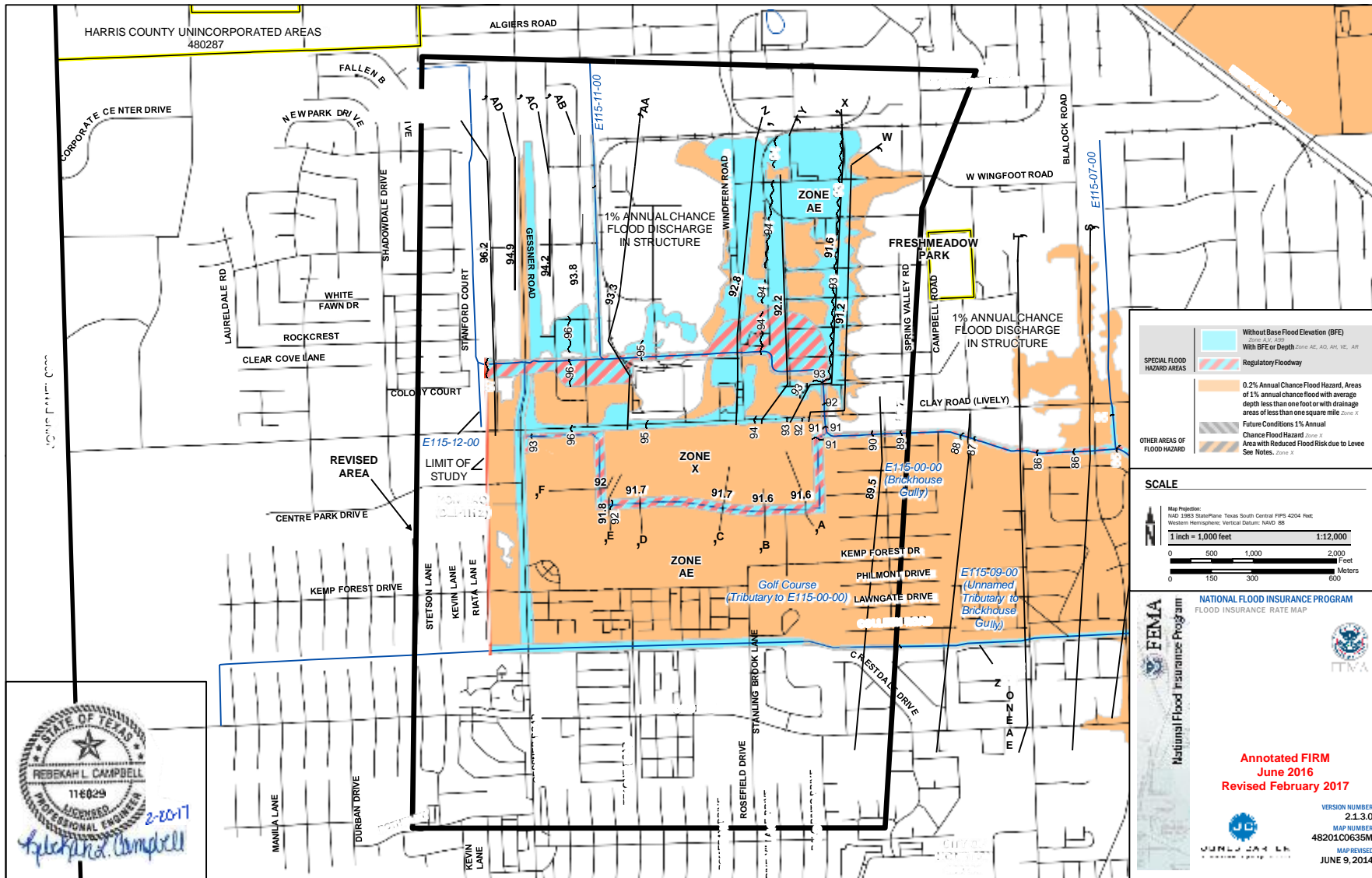
DATED: November 13, 2015

VERSION NUMBER
1.1.1.0

MAP NUMBER
48201C0635M

MAP REVISION
JUNE 9, 2014





CLOMR 17-06-297R - Jones & Carter submitted (8 months after LOMR 15-06-0275P became effective), on behalf of MetroNational, the request for a conditional map revision. With lowered BFEs, most of the property is taken out of the floodplain; no mitigation for fill required.

Harriet Festing, **Flood Forum USA**

harriet@floodforum.org

Sarah Wilkins, **The Thriving Earth Exchange, American Geophysical Union**

swilkins@agu.org

Virginia Wasserberg and Bob Jennings, **Stop the Flooding NOW!**, Virginia Beach, VA

va_musicline@hotmail.com, stopthefloodingnow@outlook.com

Lori Burns, RainReady Chatham, Chicago, IL, loridburns1@yahoo.com

Gabriella Velardi-Ward, **Coalition for Wetlands and Forests**, Staten Island, NY, stpraxedisrcc@gmail.com

Ed Browne, **Residents Against Flooding**, Houston, TX

drainage.coalition@gmail.com

Interactive map showing all the groups on our website floodforum.org!