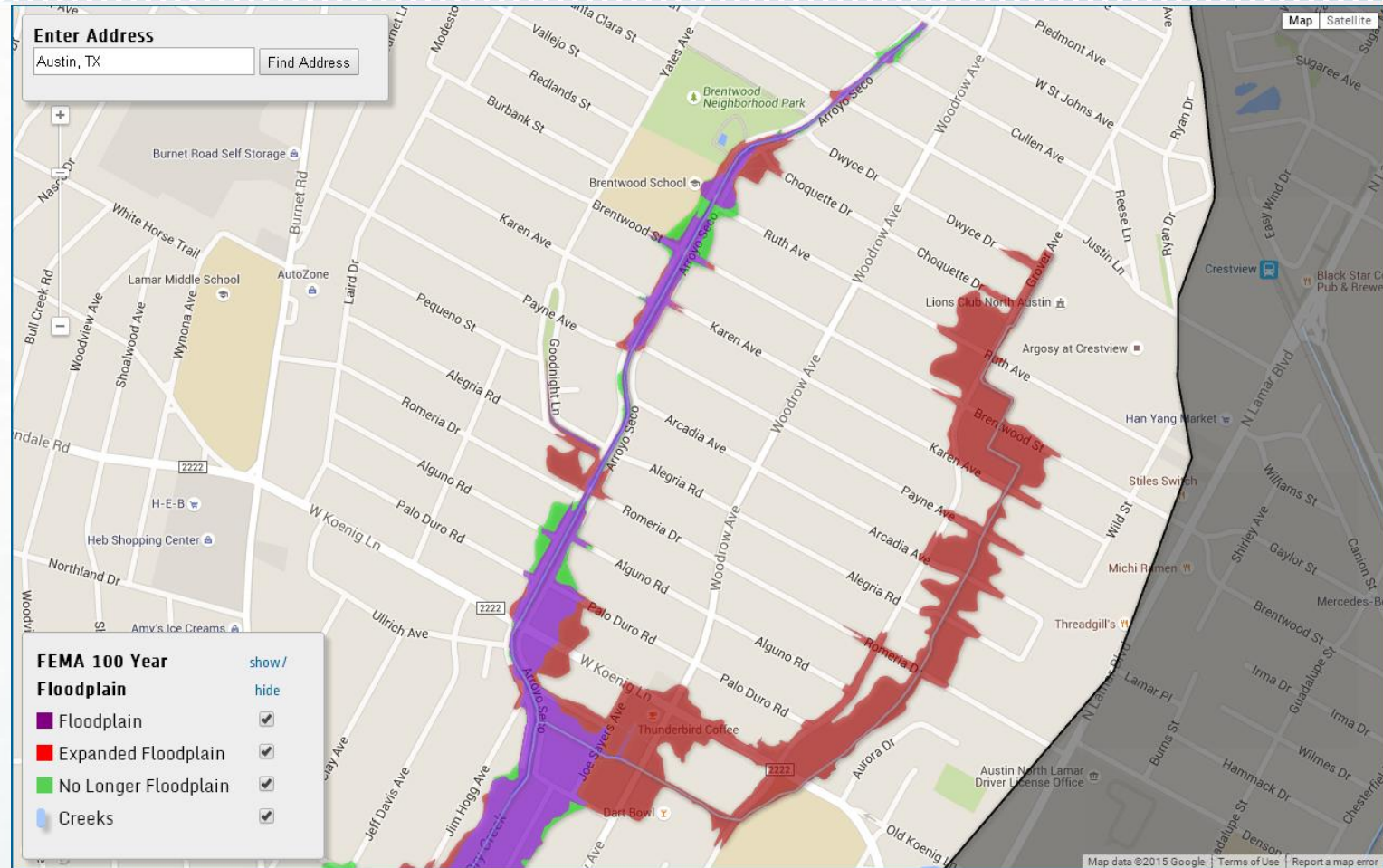


Brentwood Neighborhood Meeting

September 15, 2015



Meeting Overview

- ❖ Watershed Protection Department
- ❖ Rain
- ❖ Projects
 - ❖ Flooding
 - ❖ Erosion
- ❖ Floodplain Information
- ❖ Questions and Lots of Answers



Watershed Protection Department

Flooding



Public Safety

Erosion



Property Protection

Water Quality



**Environmental
Protection**

Protect the lives, property, and environment of our community by reducing the impact of flooding, erosion, and water pollution.

Local Flooding

- ❖ Flood risk associated with storm drains and minor channels
- ❖ Local flooding occurs away from the creeks
- ❖ Overwhelmed drainage systems
- ❖ How many homes at risk??



Creek Flooding

- ❖ Flood risk associated with larger channels and creeks
- ❖ 5,100 buildings flooded by 100-year flood
- ❖ 400 roadways at risk of flooding in 100-year flood



Erosion

- ❖ Protect property from erosion
- ❖ Restore channel stability
- ❖ Improve flood conveyance
- ❖ Improve water quality



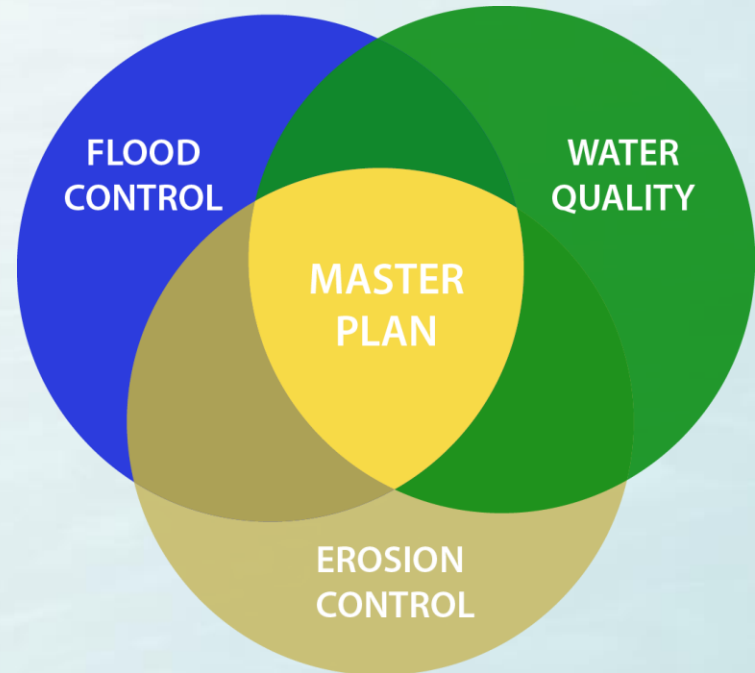
Field Operations

- ❖ Maintain stormwater conveyance system
 - ❖ Creeks
 - ❖ Waterways
 - ❖ Pipelines
 - ❖ Structural controls



Prioritization and Mission Integration

- ❖ Identify
- ❖ Prioritize
- ❖ Integrate
- ❖ Design
- ❖ Construct



WPD Funding Sources

- ❖ Drainage Utility Fund (DUF)
- ❖ Regional Stormwater Management Program (RSMP)
- ❖ Urban Watershed Structural Control Fund (UWO)
- ❖ General Obligation Bonds
- ❖ Certificates of Obligation
- ❖ Grants (e.g., FEMA, Corps of Engineers, et al.)

May 2015 Rainfall Totals

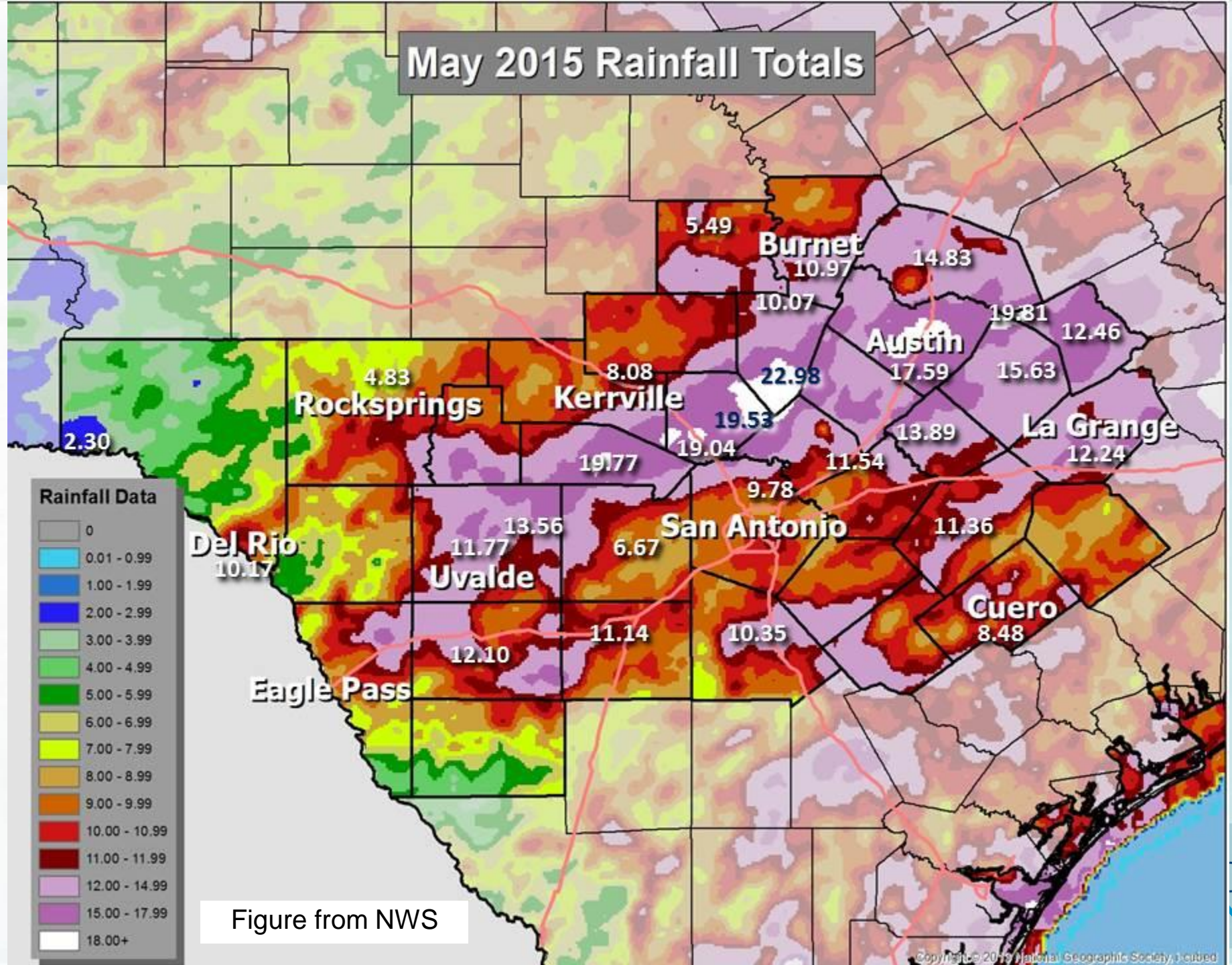
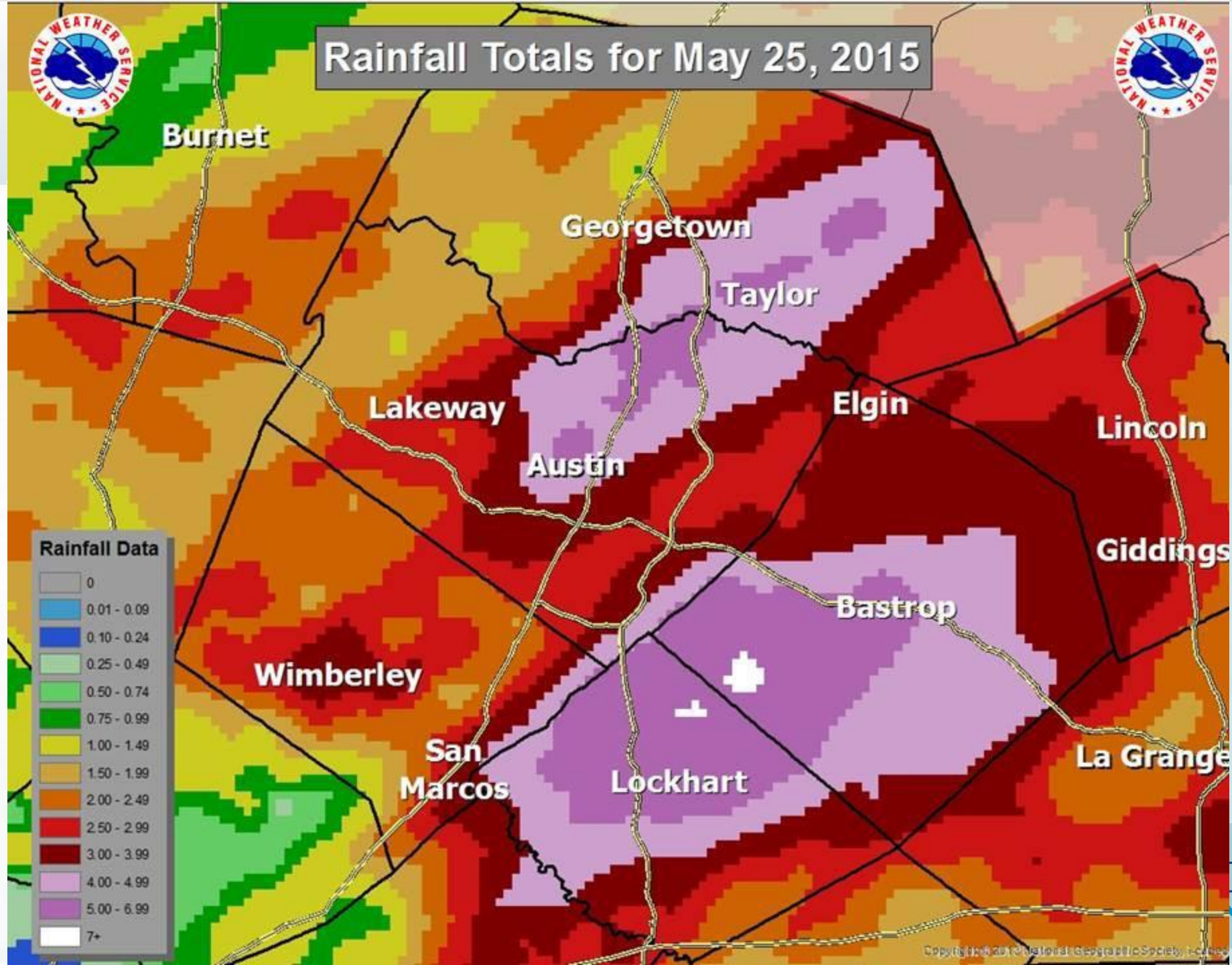


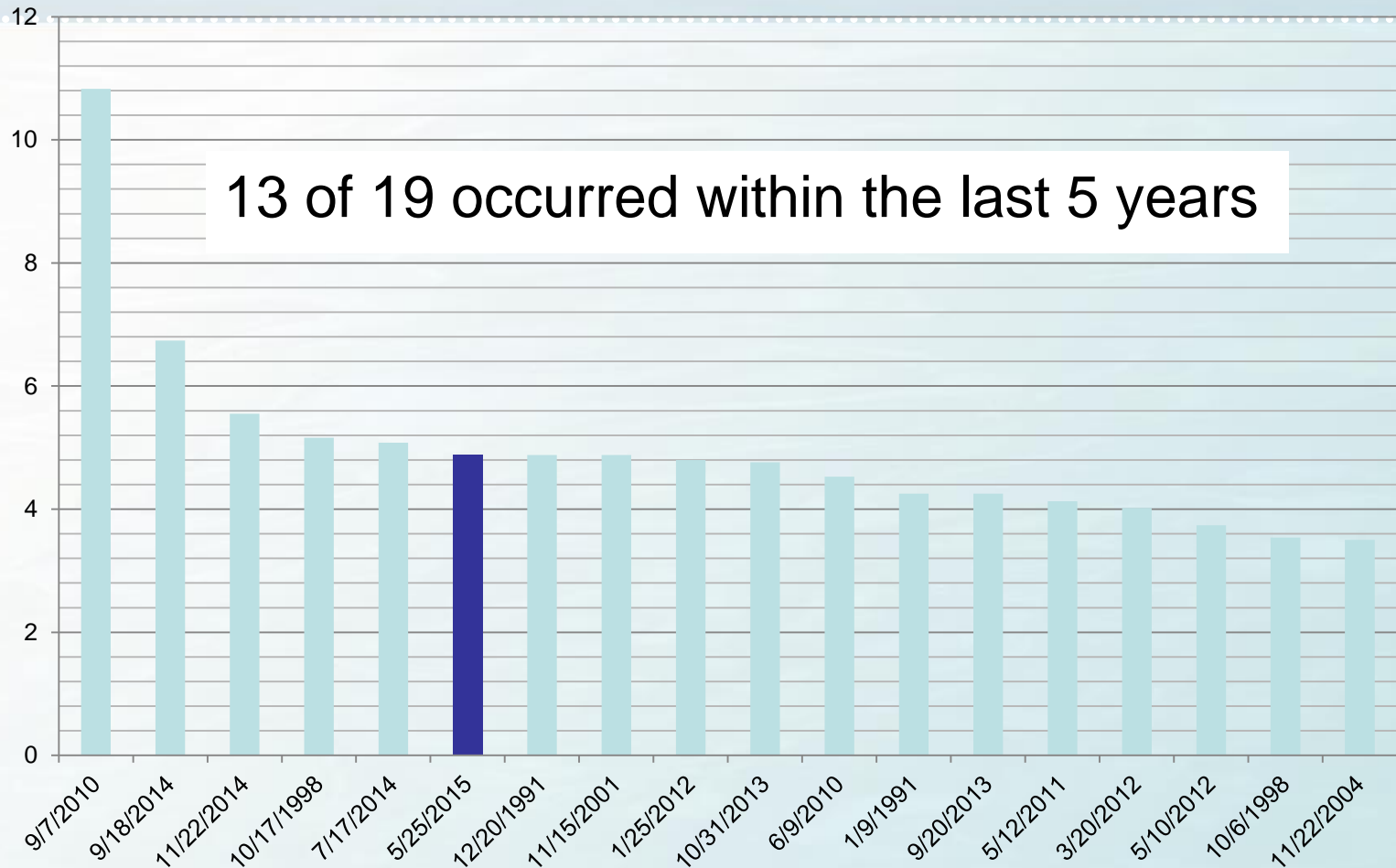
Figure from NWS



Rainfall Totals for May 25, 2015



Brentwood Area Notable Storms – 24 hour totals



Studies, Activities, and Projects

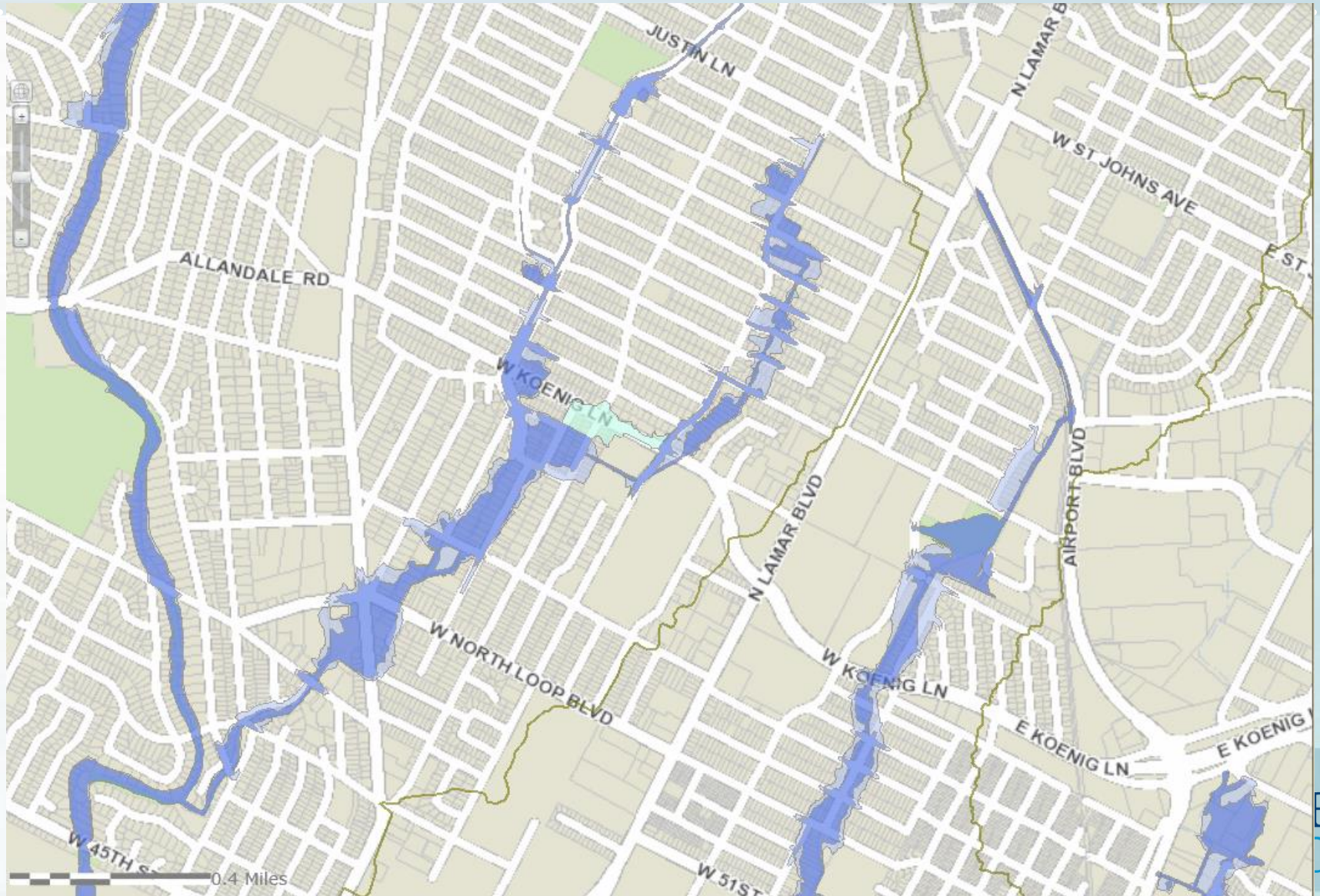
Past and Current

- ❖ 2006 Bond funded study
- ❖ Green Stormwater Infrastructure study
- ❖ Minor erosion repairs
- ❖ Debris cleanup and inlet clearing

Future

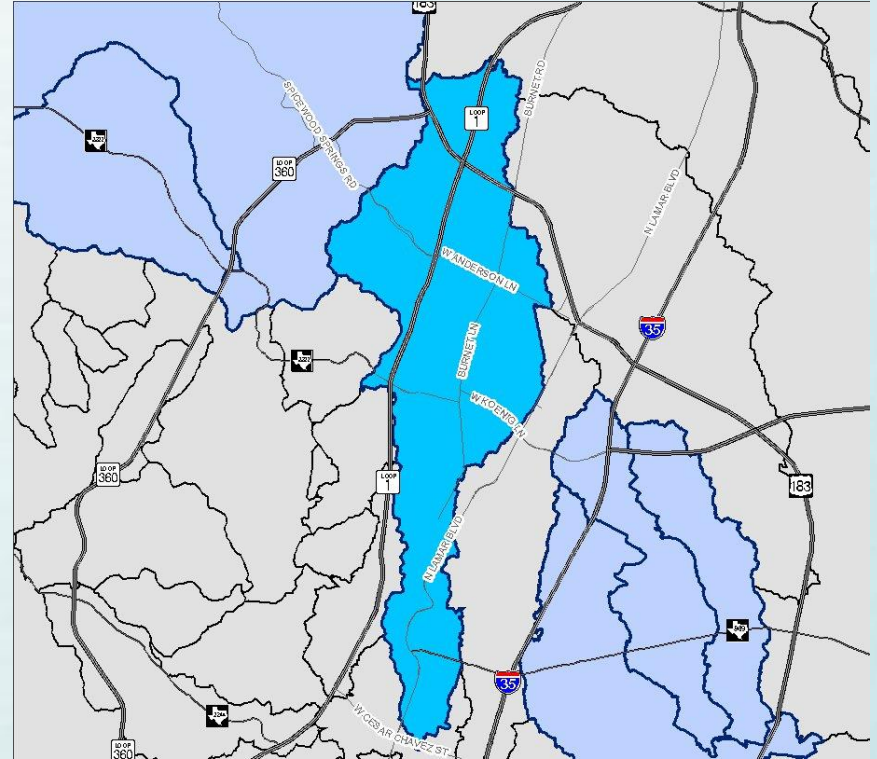
- ❖ Hancock Branch along Arroyo Seco (2016)

Projects



Floodplain Information – Shoal Creek

- ❖ Updated floodplain study
- ❖ Study goal: Understand flood risk
- ❖ FEMA maps effective in January 6, 2016
- ❖ Flood safety and preparedness
- ❖ Flood Insurance
- ❖ Development rules



Flood Safety & Preparedness

Learn...

... Flooding can be deadly. Learn where flooding may occur.

www.ATXFloodPro.com

www.ATXfloods.com

Plan...

... Make an emergency plan and kit.

www.austintexas.gov/department/preparedness

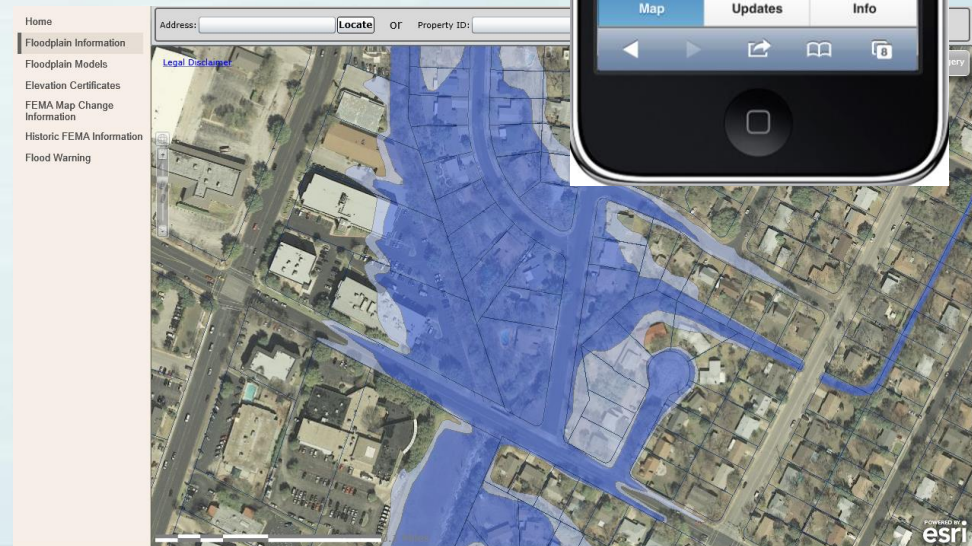
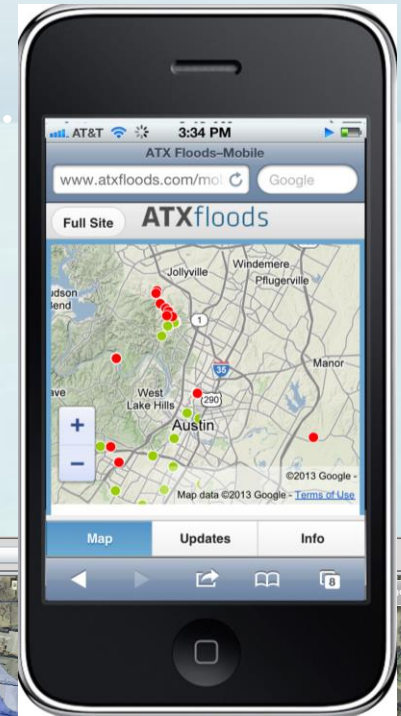
preparedness

... Consider purchasing flood insurance.

Live...

... Flooding can have devastating effects on families and the community.

Learn, plan, and live to protect your family, your property and yourself.



Flood Insurance

USPO52702-5/27/81-AUSTIN,TEX:A resident of one of the hardest hit residential areas in the 5/25,flash flooding hoses mud out of his house, with some salvagable belongings stacked in the front yard along with trash swept in by the flood waters.Nine persons lost their lives in the Memorial Day flood. UPI Bob Thomas



Most homeowners and renters policies do not cover flood damages

*Flood insurance reform
HFIAA 2014*

*Premium discounts up to
20% in Austin*

*Talk to your insurance
agent to get a quote for
flood insurance*

Grandfathering policy

Development Regulations



- ❖ General development regulations
 - ❖ No Adverse Impact
- ❖ Development in floodplain
 - ❖ Substantial improvement
- ❖ This minimizes flooding impacts to the community

Questions?

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Floodplain Office

- FloodPro@austintexas.gov
- 512-974-2843

www.austintexas.gov/departments/watershed-protection

