

Floodplain Mapping Changes

Public Utilities Committee: January 20, 2016



Evolution of the Floodplain Map

❖ Paper maps

- FEMA Flood Insurance Rate Map (FIRM)

❖ On-line maps

- FEMA Map Service Center
- ATXFloodPro.com



What Do Floodplain Maps Provide?

- ❖ Better understanding of flood risk
 - Flood safety and preparedness
 - Flood insurance
- ❖ Better tools for projects
 - City flood mitigation projects
 - Development projects
- ❖ Improved development regulation
 - Floodplain management
 - Environmental

Why Do Floodplain Maps Change?

- ❖ Better understanding of flood risk
- ❖ Incorporate improved topographic data
- ❖ Incorporate new technology and analytical methods
- ❖ Improve the level of detail or correct identified issues
- ❖ Account for changes due to mitigation projects, erosion, development

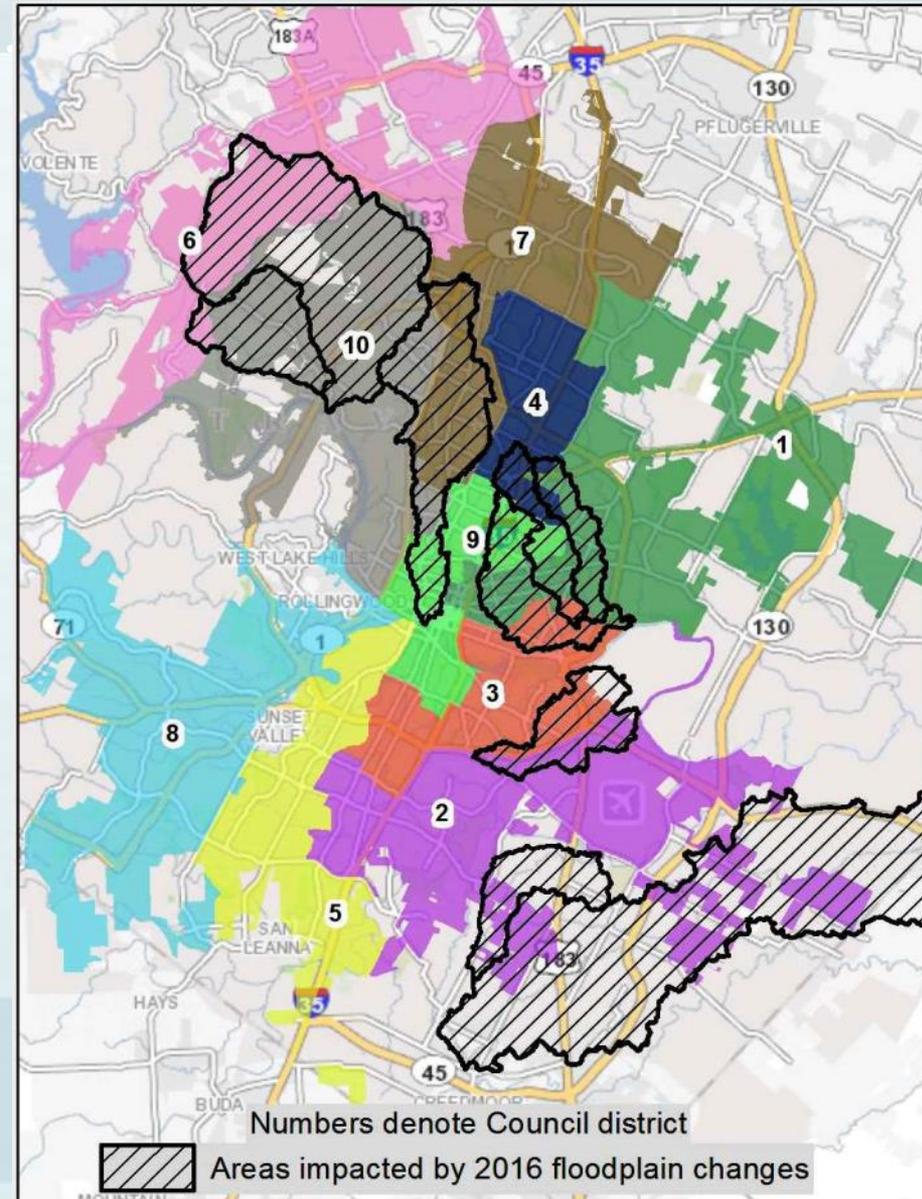
How and When Do We Change Floodplain Maps?

- ❖ Engineering Consultants on Floodplain Mapping and Modeling Rotation List
 - DUF funding or FEMA matching grants
- ❖ Coordination with FEMA
- ❖ Public notification and meetings

- ❖ Prioritize new studies
 - Age of existing study
 - Development potential

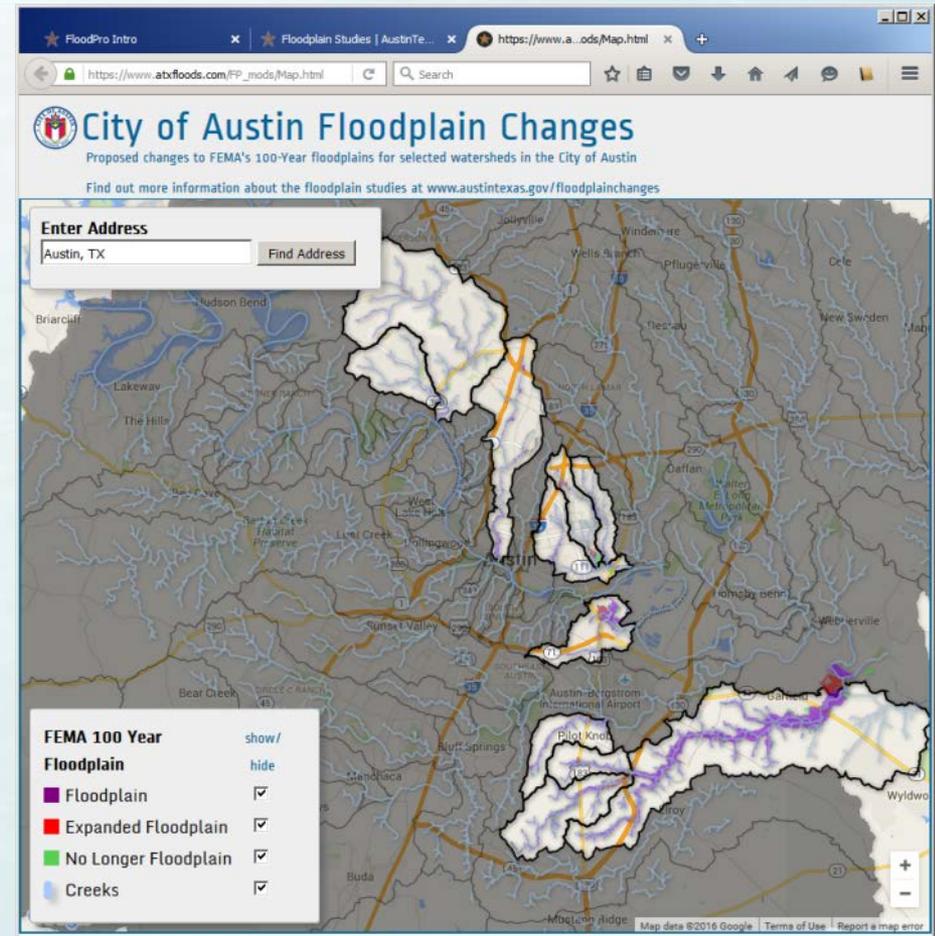
Most Recent Floodplain Map Changes

- ❖ Bull and West Bull
- ❖ Shoal
- ❖ Boggy
- ❖ Tannehill Branch
- ❖ Fort Branch
- ❖ Carson
- ❖ Cottonmouth
- ❖ Dry Creek East



Public Outreach

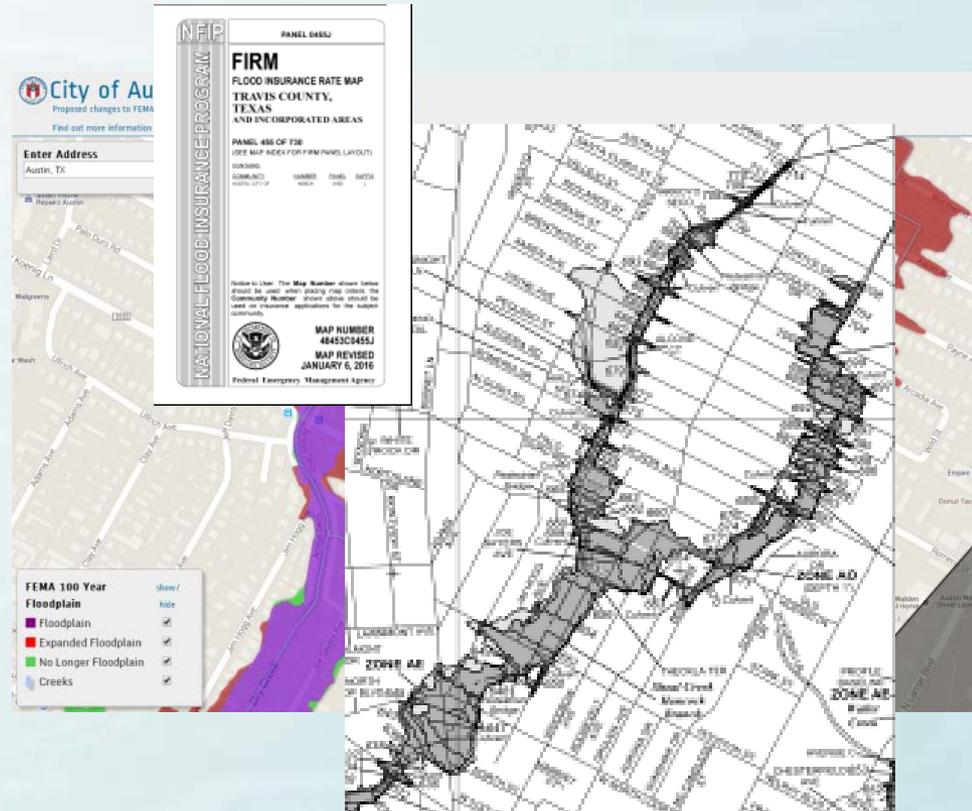
- ❖ Three Public Meetings (September 2013)
 - ~11,000 mail-outs
- ❖ Appeal and comment period
 - Multiple publications in multiple languages
 - ~11,000 mail-outs
- ❖ Email distribution list
- ❖ Floodplain Changes Web site



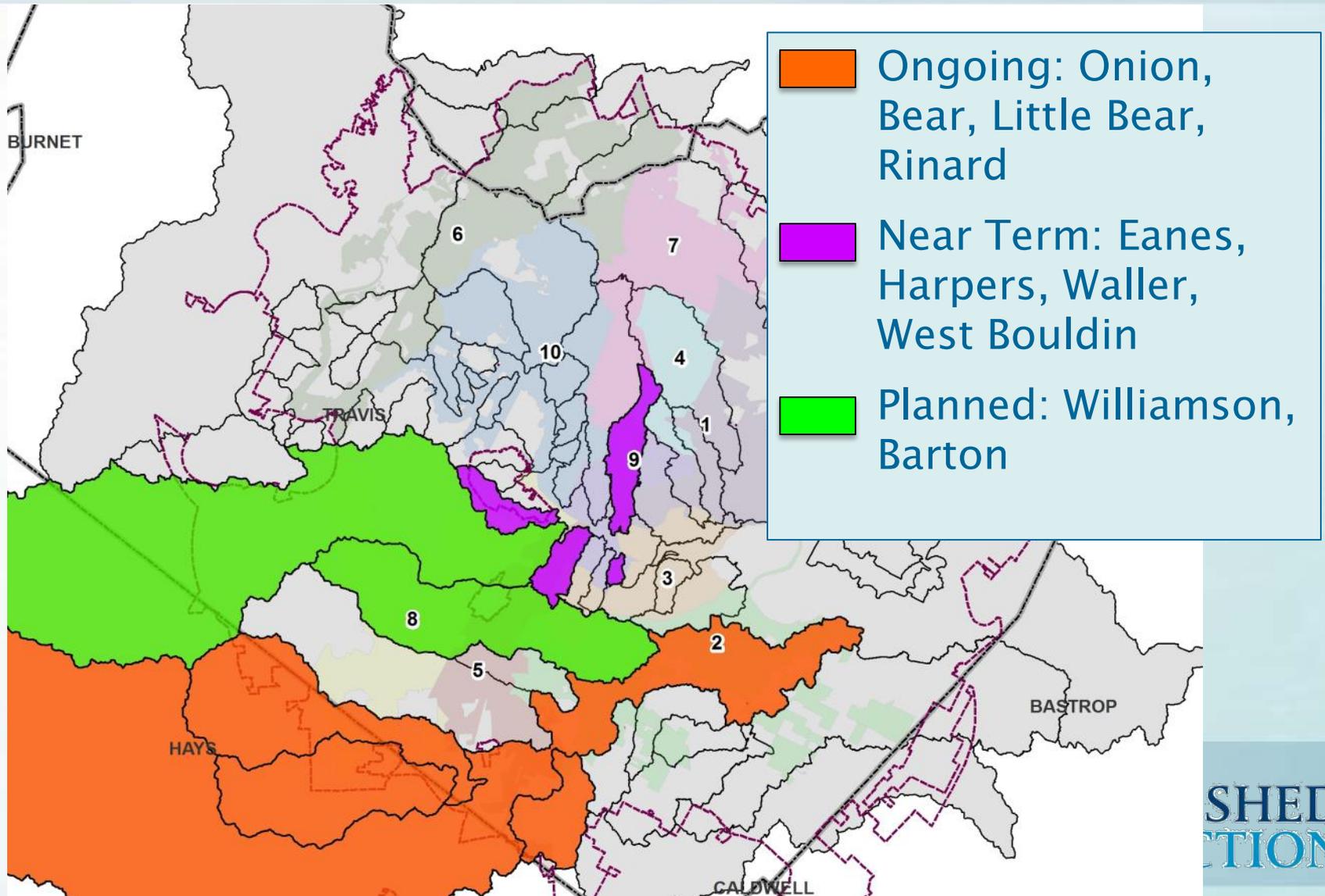
Impacts of Floodplain Changes

❖ Flood Insurance

- ~2,200 properties out
- ~2,400 properties in
- Previously unmapped areas
- Depth changes for others (+ or -)



Ongoing and Planned Studies



Questions?

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