

Drainage & Flooding: MUD 286 & Lakewood Crossing HOA

19 June 2018



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Agenda

- Introduction
- Goals
- History
- Terms
- Drainage Maps
- The Players
- Timing
- Choices
- Resources
- Questions

Why Is This Important?

- Protect our loved ones and property



Lakewood Estates- Harvey

What is the Goal?

Prevent “100 year” Flooding? Mitigate “100” year Flooding?

Prevent “500 year” Flooding? Mitigate “500” year Flooding?

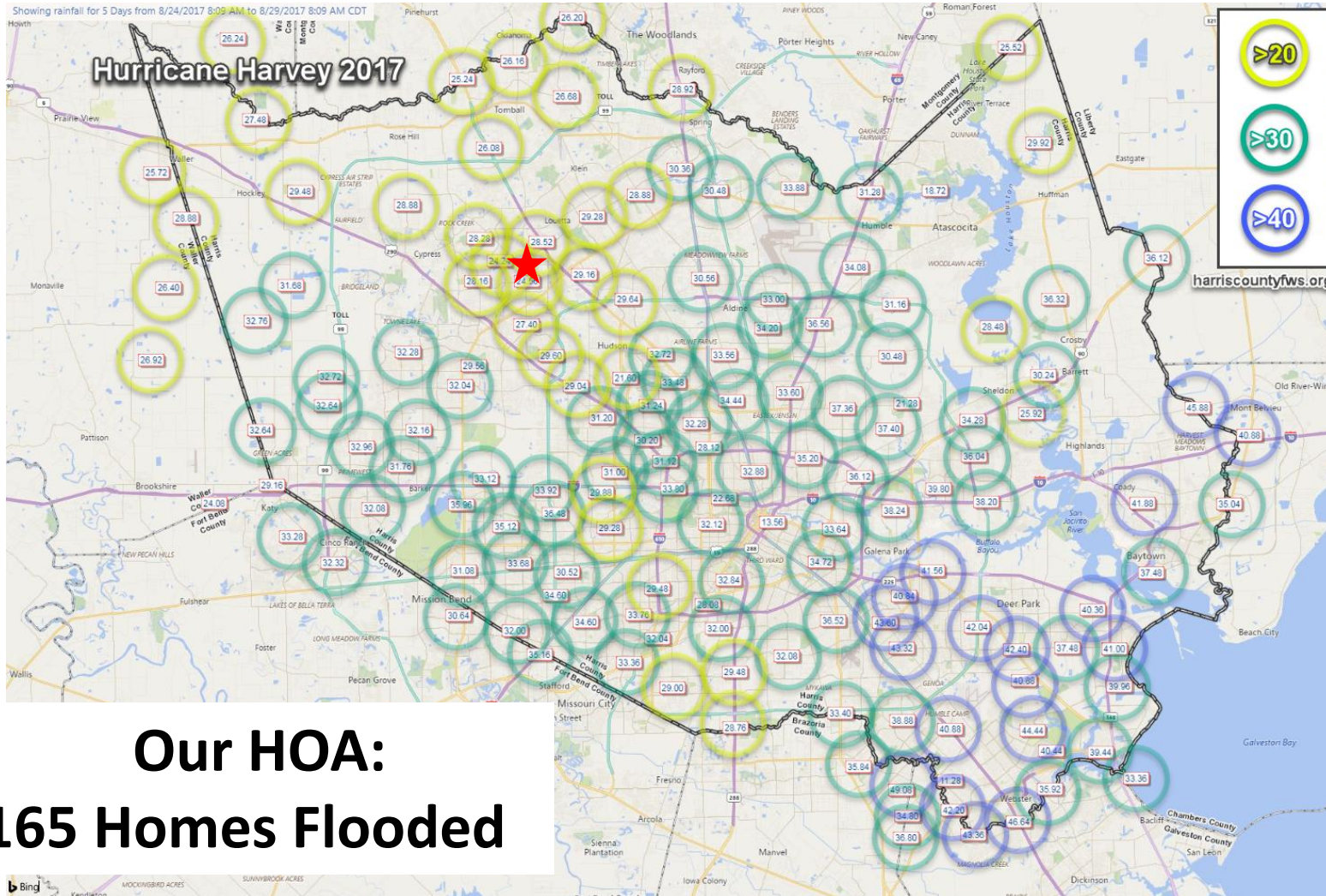
Prevent “1,000 year” Flooding? Mitigate “1,000” year Flooding?

Jones Road

Faulkey Gully Road



Hurricane Harvey Rainfall



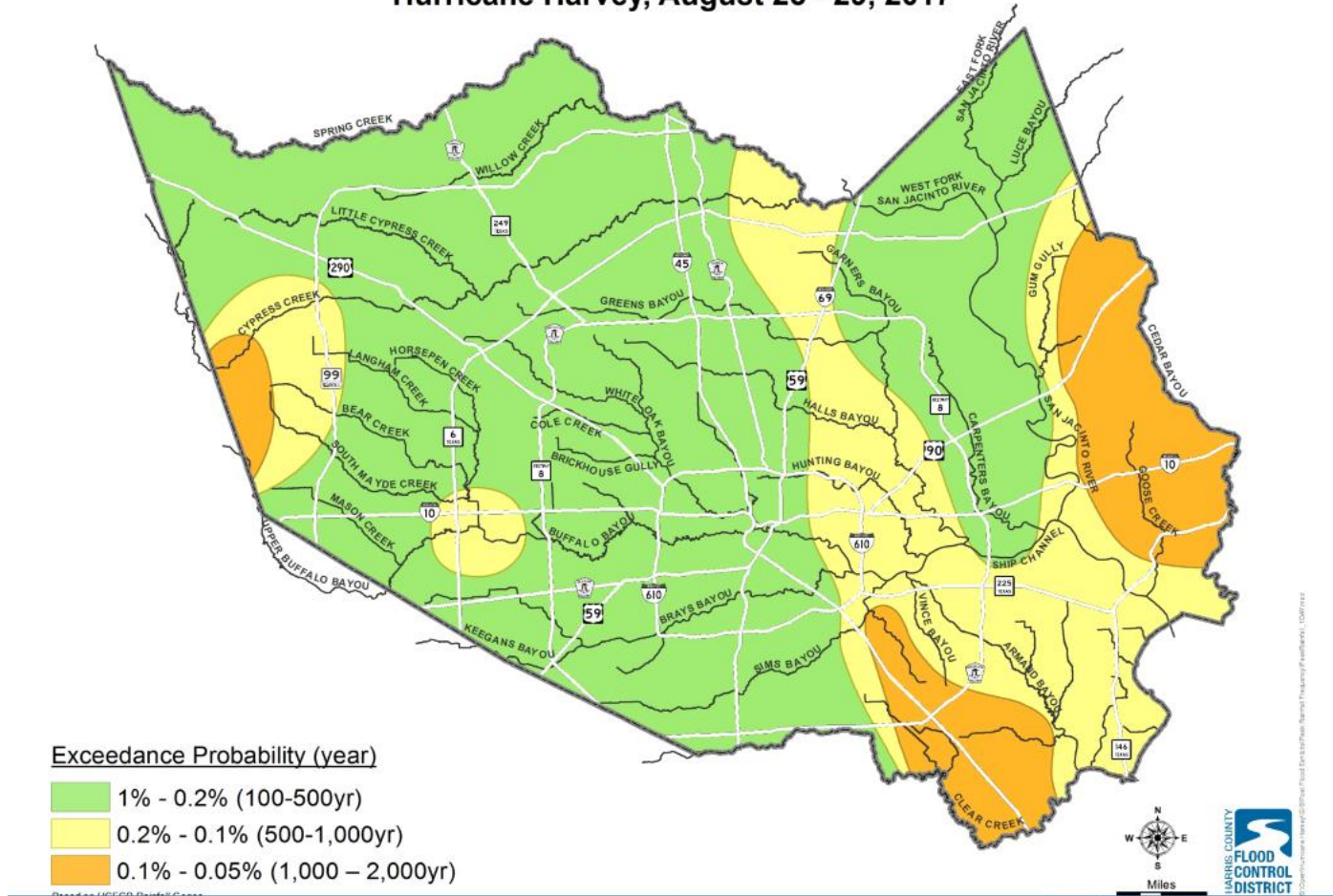
2016 Tax Day Flood



One Day Peak Rainfall Frequency

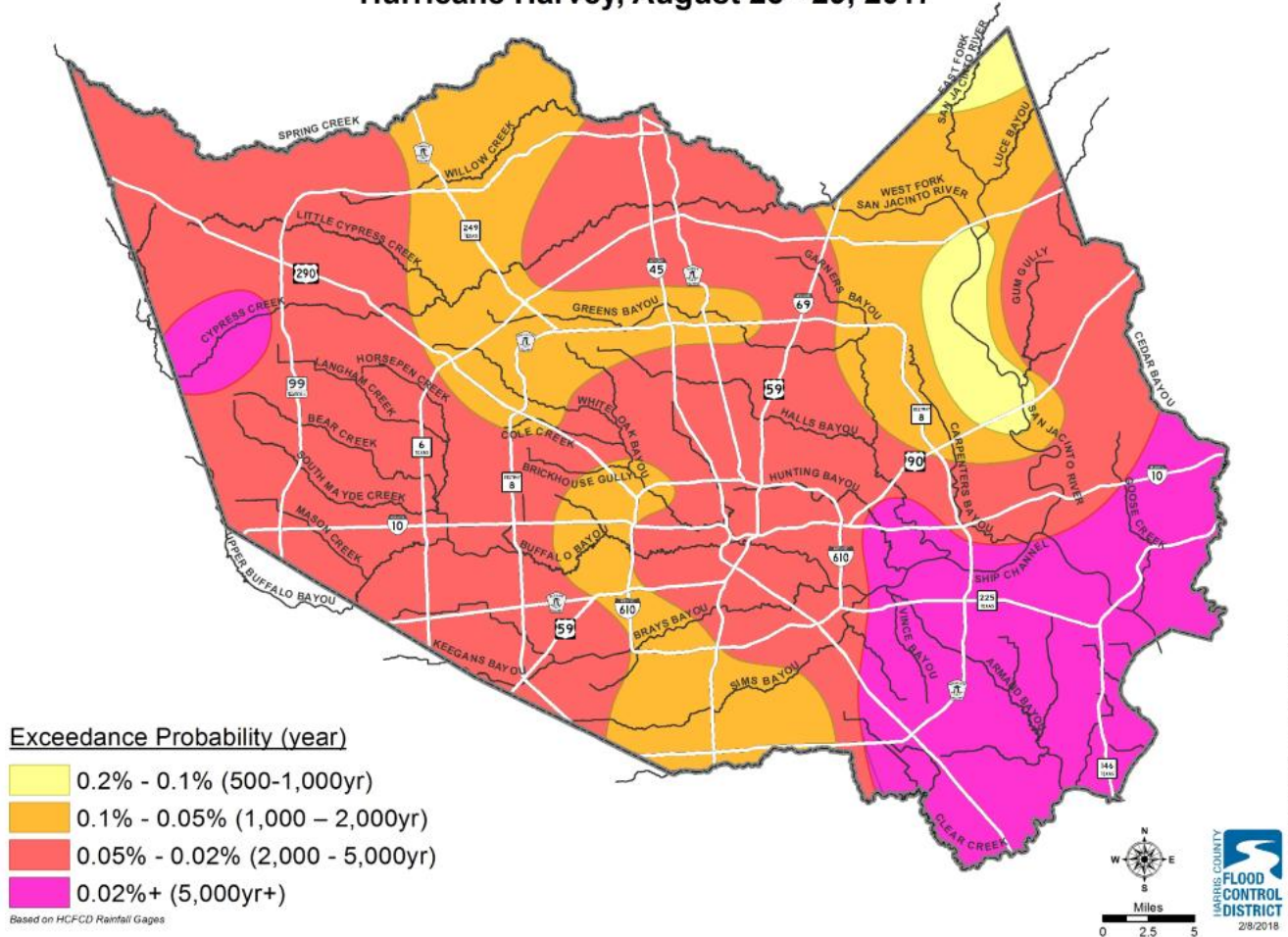
One Day Peak Rainfall Frequency

Hurricane Harvey, August 25 - 29, 2017



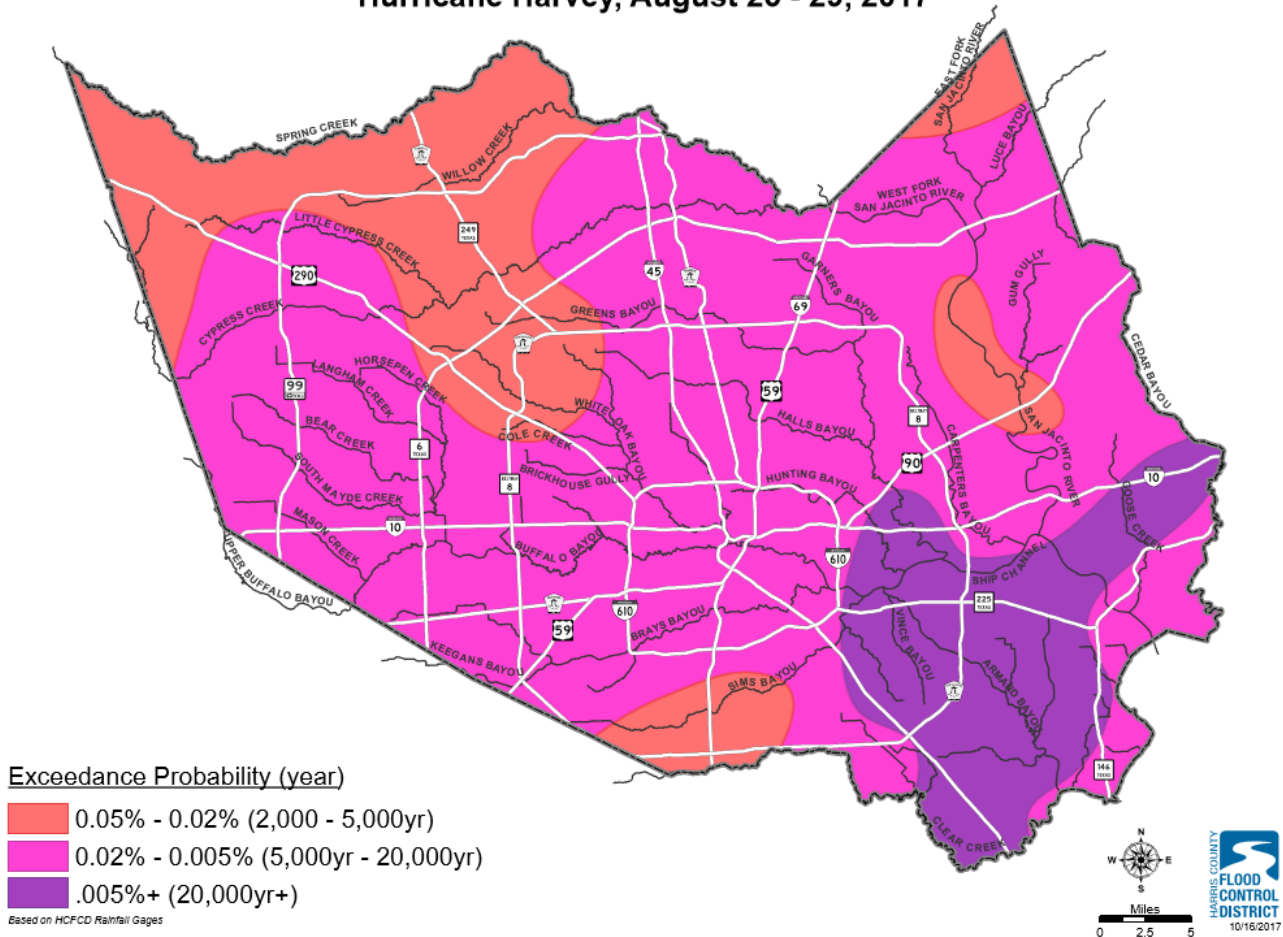
Two Day Peak Rainfall Frequency

Two Day Peak Rainfall Frequency Hurricane Harvey, August 25 - 29, 2017



Four Day Peak Rainfall Frequency

Four Day Peak Rainfall Frequency Hurricane Harvey, August 25 - 29, 2017



Terms

- Watershed-An area drained by a water system
 - Floodplain-An area of “low-lying” ground adjacent to a river and subject to flooding
 - Floodway-A channel built to take the floodwaters of a river
 - Mitigate-Make less severe, serious or painful
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- “100 year” Floodplain- 1% chance of flooding **EACH** year
 - “500 Year” Floodplain- 0.2% change of flooding **EACH** year
 - “1000 Year” Floodplain- 0.1% change of flooding **EACH** year