



# Fort Bend County, TX



Commissioners Court Workshop

July 27, 2016

## Hazard Mitigation Assistance

# Hazard Mitigation Assistance

## ▶ Purpose

- ▶ To investigate and report findings to Commissioners Court regarding Federal programs that can provide assistance to private residential property owners to reduce and eliminate future loss of property due to flooding.

## ▶ Staff Team

- ▶ Office of Emergency Management
- ▶ Drainage District
- ▶ Community Development
- ▶ County Auditor
- ▶ County Judge's Office
- ▶ Engineering

# Agenda

- I. Flood Data
- II. Overview of Mitigation Programs
- III. Potential Options for Mitigation
- IV. Benefits and Challenges
- V. Next Steps



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## Flood Data

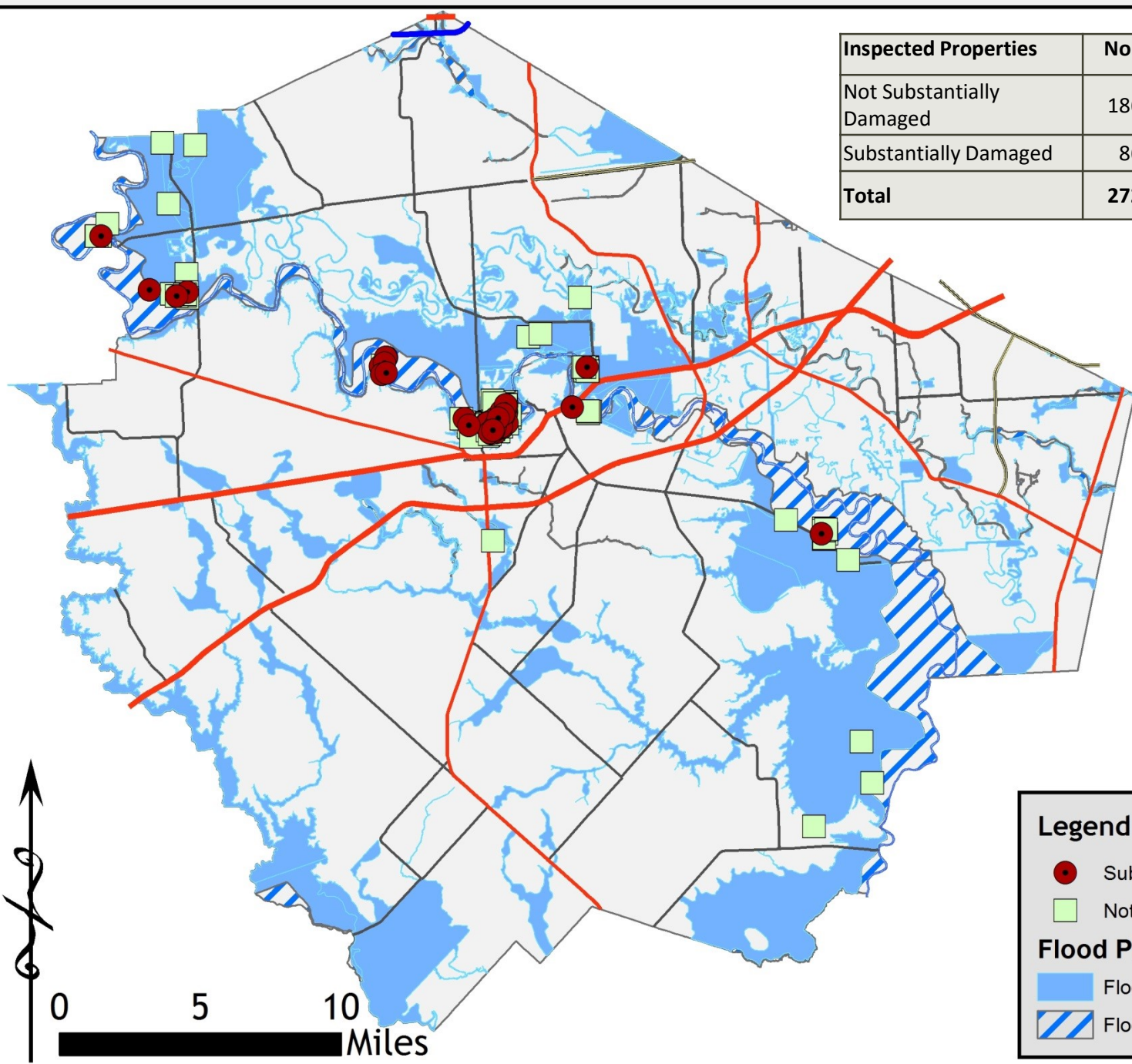
Inspected Properties	No.	Total Market Value
Not Substantially Damaged	186	\$27,685,855
Substantially Damaged	86	\$6,078,230
<b>Total</b>	<b>272</b>	<b>\$33,764,085</b>

**Legend**

- Substantially Damaged
- Not Substantially Damaged

**Flood Plain Zone**

- Floodplain
- Floodway





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## Mitigation Programs

# Review of Potential Funding Sources for Mitigation to meet FBC's needs



FEMA 404  
FEMA 406  
FMA  
PDM



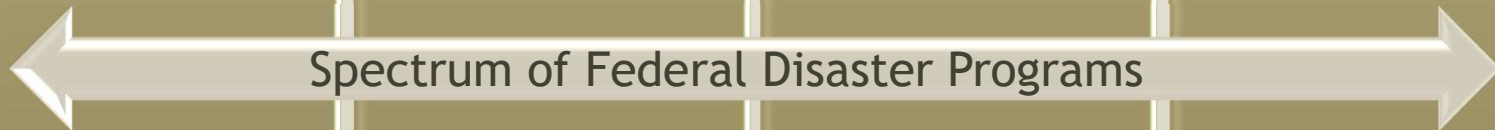
CDBG-DR  
CDBG



NRCS-EWP



FHWA-ER



# Mitigation Opportunities to Meet FBC's Needs



# Potential Mitigation Programs



## FEMA 404

Hazard Mitigation Grant Program (HMGP)



## CDBG-DR

Community Development Block Grant - Disaster Recovery

# Mitigation Options

## Voluntary Acquisition/Demolition (Buyout)



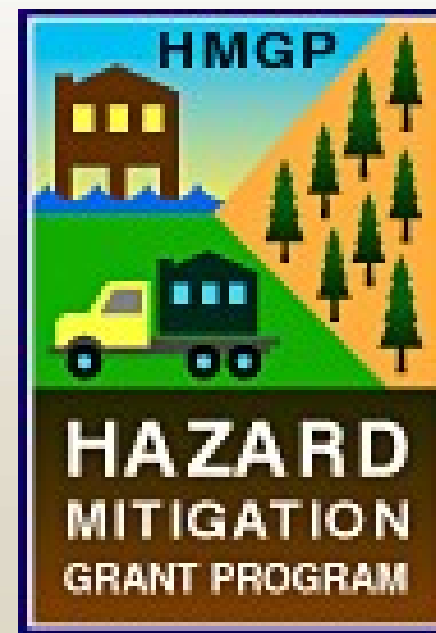
## Voluntary Home Elevation



# FEMA 404 Program (HMGP)

## Hazard Mitigation Grant Program

- ▶ ***Purpose: Reduce the loss of life and property due to natural disasters***
- ▶ Amount of money available is based on severity of each disaster
  - ▶ (FEMA IA + FEMA PA) x 15% = HMGP Allocation
  - ▶ 6 disasters in Texas in 2015/2016
  - ▶ Grant only available to Texas communities
- ▶ Cost Share: 75% Federal / 25% Local
- ▶ Most common program: Buyouts, home elevations
- ▶ Timeframe:
  - ▶ Grant Application: October 2016
  - ▶ Program Funded: May 2017 (Up to 3 year project)



# HUD CDBG-DR Program

Community Development Block Grant - Disaster Recovery

- ▶ ***Purpose: Provides assistance to unmet needs created by disaster***
- ▶ Funded through supplemental congressional allocation
  - ▶ \$140M: 2015 DR Award for Texas
  - ▶ No allocation for 2016 disasters (as of yet)
- ▶ 100% Federal Funds; Can be used as FEMA 25% Match
- ▶ Administered like FBC's CDBG program
  - ▶ 70% of program must target Low-Moderate Income areas
- ▶ Most common programs: Buyouts, home elevations, home repairs
- ▶ Potential timeframe for 2016 disasters:
  - ▶ Congressional Action: December 2016
  - ▶ Funds Available: May-September 2017





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## Options for Mitigation

# Voluntary Residential Buyout

*County buys private property, acquires title to it, and then clears it*

- ▶ Voluntary from start to finish
- ▶ Must forever remain open space land
- ▶ Long term obligation of the County
  - ▶ Public parks, agricultural purposes, etc.
  - ▶ Can be leased to individuals as open space, but not sold.
  - ▶ County maintenance of individual lots

# Voluntary Residential Buyout

- ▶ Typically, Texas ranks this program #1 priority after flood
- ▶ Properties for inclusion:
  - ▶ Substantially Damaged (SubDam) properties
  - ▶ Buyout cost total less than \$276K
  - ▶ Other properties require additional analysis
- ▶ Homeowner offered pre-flood fair market value
  - ▶ “Fair compensation” is based on real estate appraisal of entire property
- ▶ Removes resident from hazard area
- ▶ Staff time will be required

# Voluntary Residential Buyout



# Voluntary Residential Elevation

*Elevating existing structures in the floodplain to meet FBC Floodplain Regulations.*

- ▶ Voluntary from start to finish
- ▶ Applies to all types of homes and all foundations
- ▶ Homeowner keeps the home
- ▶ Displacement assistance available during construction

# Voluntary Residential Elevation

- ▶ Typically, Texas ranks elevations a high priority
- ▶ Properties for inclusion:
  - ▶ SubDam properties
  - ▶ Elevation cost total less than \$175K
  - ▶ Other properties require additional analysis
- ▶ Resident may still require evacuation assistance
- ▶ More complicated than buyouts
- ▶ More staff time will be required

# Voluntary Residential Elevation





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## Benefits & Challenges of these Programs

# Pros and Cons of County Participation

Pros	Cons
Programs are voluntary	Participation cost for Fort Bend
Opportunity to fund large mitigation project in Fort Bend	Programs take time
Supports impacted residents	Must follow federal requirements

## Next steps

- ▶ Staff to develop and bring forward a preliminary implementation plan for recommended action(s) to Court.
  - ▶ Plan includes:
    - ▶ Funding requirements
    - ▶ Program design
      - ▶ Buyouts and/or Home elevations
    - ▶ Timeline

# Closing

Questions ?

