

Floodplain Management Oklahoma

Oklahoma Water Resources Board

Outline

- Floodplain
 - Definition
 - Importance
 - Participating/Non-participating Communities
 - State Owned or Operated Property
- National Flood Insurance Program (NFIP)
 - Federal
 - State
 - Local
- Future of Floodplain
 - Historical
 - Current
 - Development
 - Population
- Current Development in SFHA
 - Homes
 - Roads/Highways/Turnpikes
 - Oil and Gas
 - Other development

Floodplain

Special Flood Hazard Area (SFHA)

What is a floodplain?

- Land inundated by water
 - 100 year flood
 - 1% chance occurring/year
- State & Local jurisdiction for compliance
- Typically includes wetlands & watersheds
- Provides protection
 - Lakes
 - Streams/tributaries
 - Rivers



Why are floodplains important?

Floodplain



Floodplain

NFIP Participating Communities

Oklahoma Floodplain Management Act

- Passed 1980
- Counties, Cities and Towns
 - Floodplain Management
 - Ordinances
 - Regulations/Requirements
 - Floodplain Board
 - Floodplain Administrator (FPA)
 - Accreditation from OWRB

State Owned/Operated Property

OWRB

- Oklahoma Department of Transportation (ODOT)
- Oklahoma Turnpike Authority (OTA)
- Universities
 - List of SO&O

National Flood Insurance Program (NFIP)

1968

Region VI

- Provides citizens flood insurance
- Receive funding
 - Federal Disaster
 - Grants

Participating Communities
398 in Oklahoma

Non-participating Communities
~ 115 in Oklahoma



Federal

Regulations

- Federal Emergency Management Agency (FEMA)
 - Special Flood Hazard Layer (SFHA)
 - Flood Insurance Rate Maps (FIRMs)
 - Flood Insurance Study (FIS)
 - Flood Zone determinations
 - FIRMette
- Assist State and Local

<https://msc.fema.gov/portal>

44 CFR Part 60



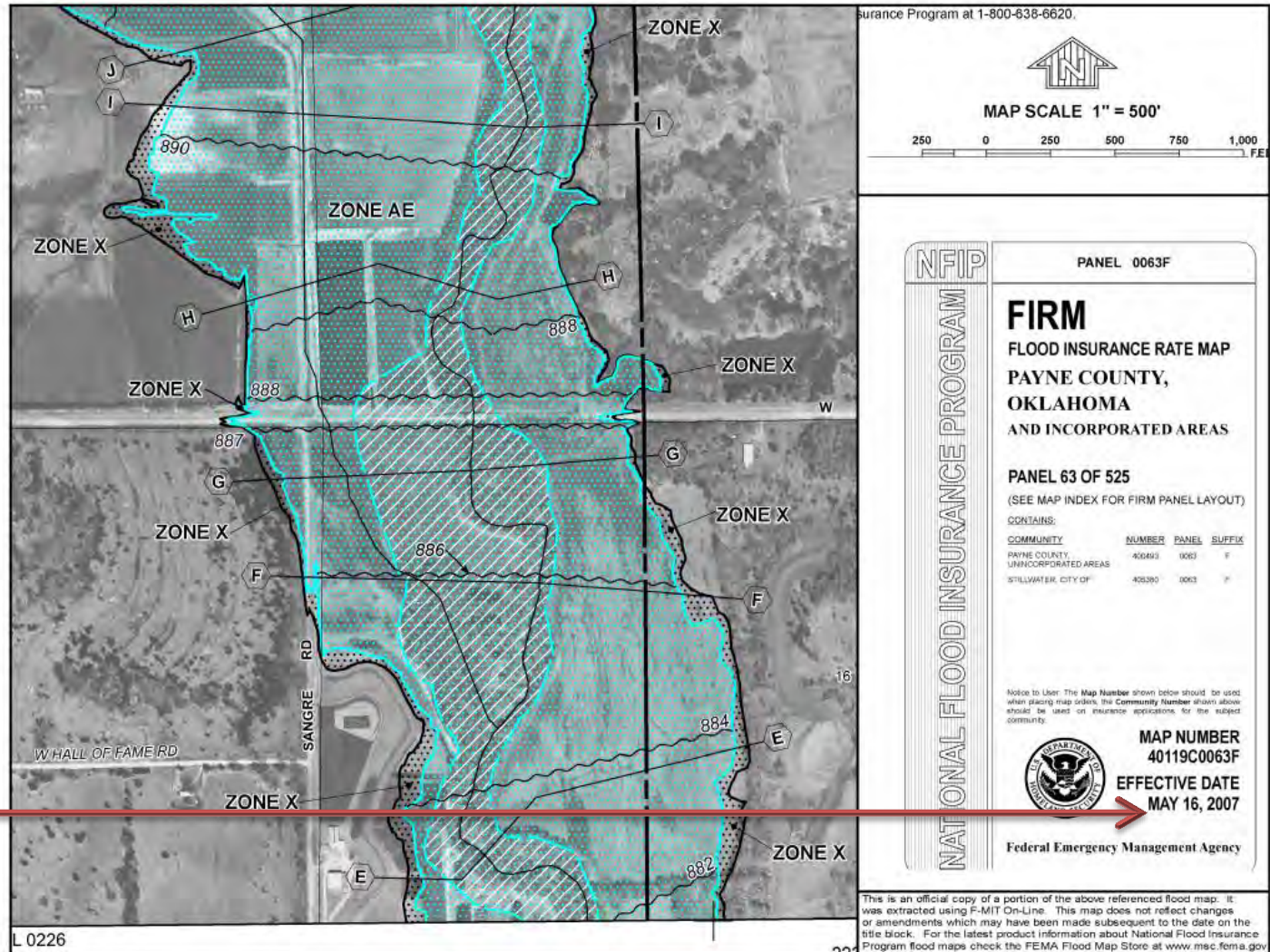
Special Flood Hazard Area (SFHA) / Regulatory Floodplain

SFHA layer & zones

Regulatory Maps

State & Local

FIRMette



State

Regulations

- Close relationship with FEMA
- Assist local compliance
 - CAV
 - CAC
 - GTA
- State Owned and Operated property
 - Environmental reviews
 - Permitting agency

CFR Title 44, Part 60

82 O.S. §1601-1620



*Oklahoma Floodplain Managers Association
(OFMA)*

United States Army Corps of Engineers (USACE)

Regulations

- Ordinance
- Floodplain Administrator (FPA)
 - Workshops (State)
- Permitting Authority
 - Permit application
 - Application(s) review
 - Base Flood Elevation (BFE)
 - Elevation Certificates (EC)
 - Depth to Burial Certificate
 - Hydraulics & Hydrology Study
 - Show No Impact

82 O.S. §1601-1620

Local



Future of Floodplain

Hazard Mitigation

- FEMA – new approach
- State Hazard Mitigation Plan

Prioritization of Project Funding

1. Approved Hazard Mitigation Plan?
2. Is the Project listed in Plan?
3. Is Project a classified mitigation project?
4. Is funding available for Project?

Possible Mitigation Actions

1. Public Education & Awareness
2. Preventive Measures (storm water management)
3. **Natural Resource Protection**
Wetlands protection, forest/vegetation management
4. Property Protection
5. Emergency Services
6. Structural Projects

Future of Floodplain

82 O.S. §1601-1620

Protection of floodplain Areas...

Oklahoma Comprehensive Water Plain (OCWP)

- “...Encourage the preservation of the natural and beneficial functions of the floodplain.”

Oklahoma Statutes Title 82-1602 (B)(1)

- “...The purpose of the Oklahoma Floodplain Management Act... Protect the natural and beneficial functions of the floodplain, to reduce damage and disruption to property from floods, to reduce costs of disaster relief and to reduce injury and loss of life from floods...”



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03/28/2015 12:56





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03/29/2015 16:32

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Questions?

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