

# TRINITY COMMON VISION STEERING COMMITTEE



September 15, 2016



# WELCOME & INTRODUCTIONS

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# TRINITY RIVER COMMON VISION

State and federal partnerships that have contributed to the success of the Common Vision

Unprecedented cooperation, combined with state-of-the-art technical tools and on-the-ground implementation projects have produced a decade of stunning achievements—recognized in 1998 by the Trinity River Common Vision being named as one of the top 20 Innovations in American Government by the Ford Foundation.



US Army Corps of Engineers

The cooperative regional effort to manage the Trinity River Corridor began in the early 1980's when the U.S. Army Corps of Engineers began working on a Regional Environmental Impact Statement (Regional EIS) to address the cumulative impacts of individual permitting decisions.



Texas Water Development Board has been a very important cost-share partner. The TWDB provided almost half of the local cost-share, in the amount of \$1.875 million, for the first phase of the Upper Trinity River Feasibility Study



FEMA

The Federal Emergency Management Agency has conducted weeklong certification training for local governments in cooperation with NCTCOG. These are unique sessions away from their headquarters; as a result, Texas is now leading the nation in Certified Floodplain Managers.



# NCTCOG Partners

Trinity River Corridor Interlocal Agreement - 1989

## NINE CITIES

Arlington  
Carrollton  
Coppell  
Dallas  
Farmers Branch  
Fort Worth  
Grand Prairie  
Irving  
Lewisville

## THREE COUNTIES

Dallas County  
Denton County  
Tarrant County



## TWO SPECIAL DISTRICTS

Tarrant Regional Water District  
Trinity River Authority

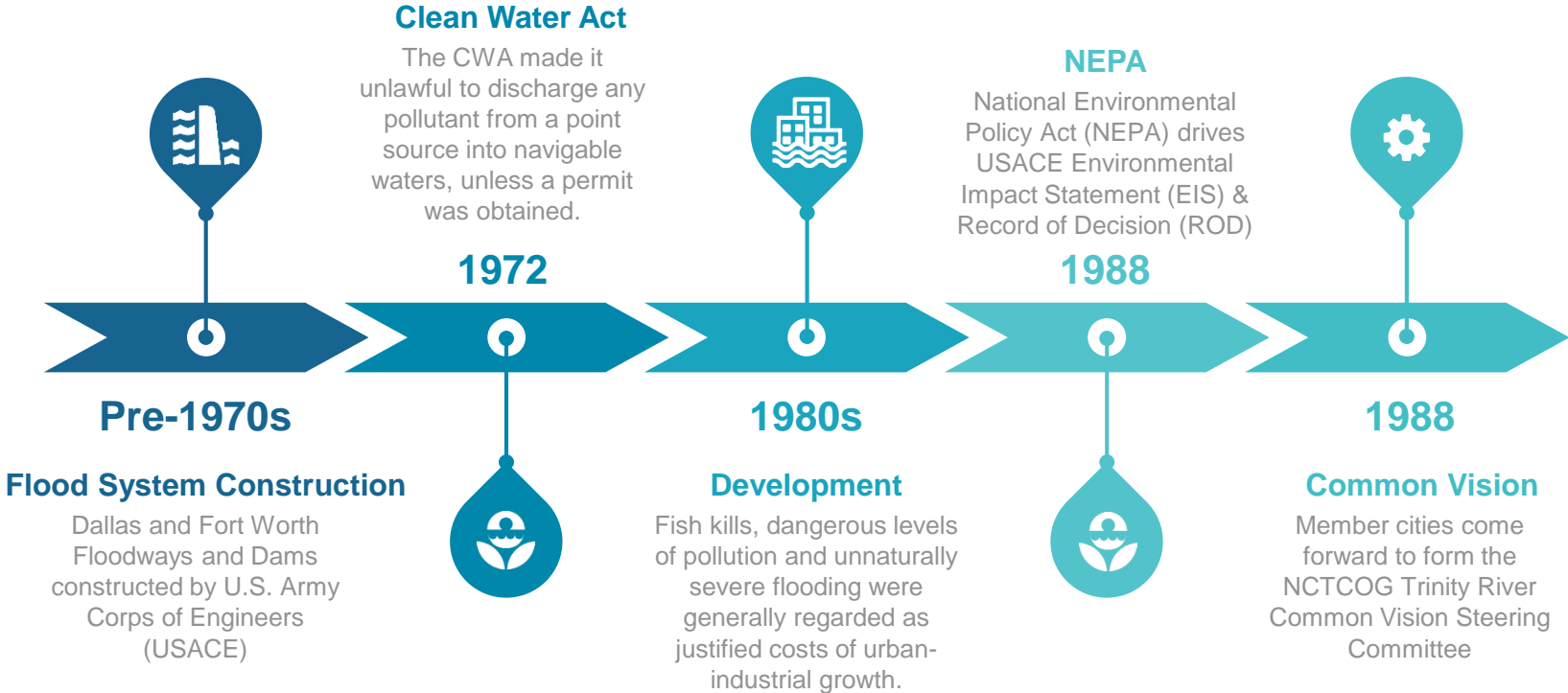
## PROGRAMMATIC PARTNERS

NCTCOG Environment & Development  
U.S. Army Corps of Engineers  
Federal Emergency Management Agency  
Texas Water Development Board



# Timeline & Background

## Trinity River Common Vision Program



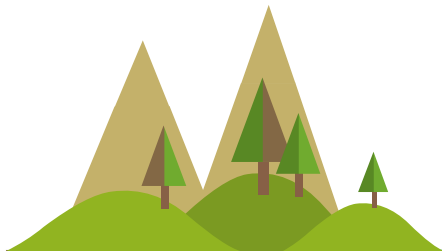
# Timeline & Background

## Trinity River Common Vision Program

### Regional EIS Trinity River and Tributaries

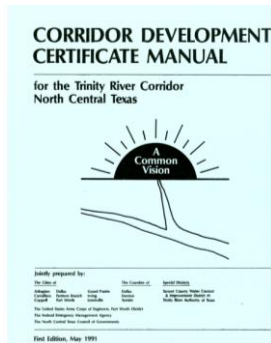
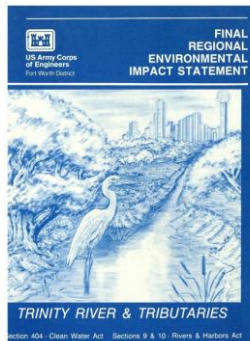
**1988** Cumulative impact of development is “Measurable and Significant”

In response, officials from 14 affected jurisdictions, working under the auspices of the North Central Texas Council of Governments (NCTCOG), came together in 1988 to declare their support for a cooperative, regional approach to manage the Trinity River Corridor, one that aimed to create a safe, clean, enjoyable, natural, and diverse river corridor for the benefit of all North Central Texas. And thus began the **Trinity River Common Vision Program**.



### Record of Decision (ROD) (1988)

- Applied through 404 permit process
- No rise in 100-yr water surface elevation
- No rise in SPF water surface elevation
- No loss of valley storage for 100 yr
- Up to 5% loss of valley storage allowed for SPF





# Timeline & Background

## Trinity River Common Vision Program

### 1990 Upper Trinity River Basin Reconnaissance Report

Interlocal Agreements signed by member cities & Congress authorizes the Upper Trinity River Feasibility Study (UTRFS). These studies by the Corps of Engineers have simulated the cumulative impacts of flooding in the Dallas-Fort Worth area based on different levels of floodplain development.

### 1990 Flood Management Task Force

Flood Management Task Force formed and CDC criteria developed based on ROD



### Record of Decision

Results suggest that damages from a major flood could total more than \$11 billion if floodplain development is unregulated. A comprehensive floodplain management program could cut losses to \$4 billion.

### Corridor Development Certificate (CDC) Manual

1st Edition of the Corridor Development Certificate (CDC) Manual was produced in 1991. We are currently on the 4<sup>th</sup> edition



As of today, over 100 projects have been permitted along the Trinity River in the Dallas/Fort Worth Metroplex. Computer models and geographic information systems that accurately reflect the impacts of new construction in floodplains are being continually refined.



# CORRIDOR DEVELOPMENT CERTIFICATE PROGRAM (CDC)

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Presented by Jerry Cotter, USACE





# Corridor Development Certificate Program (CDC)

Dallas / Fort Worth Floods



1908 Carrollton

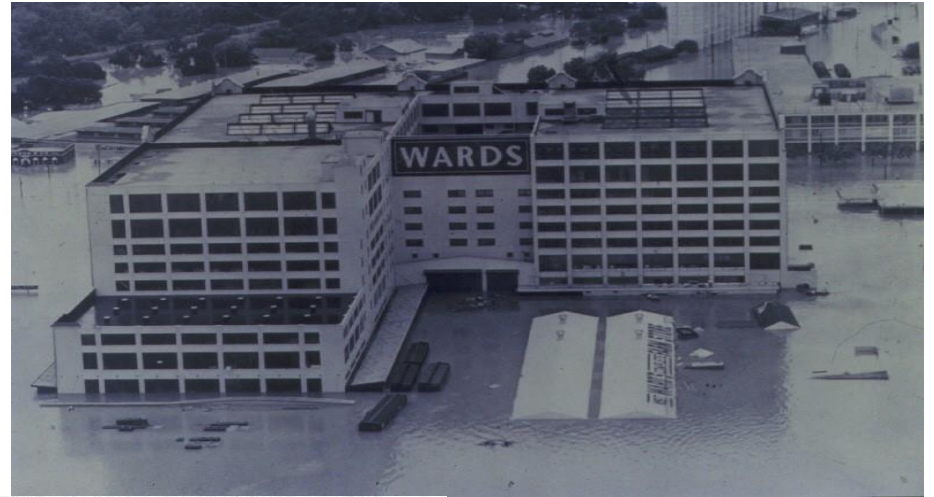


1942 Dallas



# Corridor Development Certificate Program (CDC)

Dallas / Fort Worth Floods



The Fort Worth Press HOME EDITION  
VOL. 22, NO. 194 2 FORT WORTH, TEXAS, TUESDAY, MAY 2, 1949 16 PAGES PRICE FIVE CENTS

## 4 Dead, 4000 Homeless City Faces Water Famine



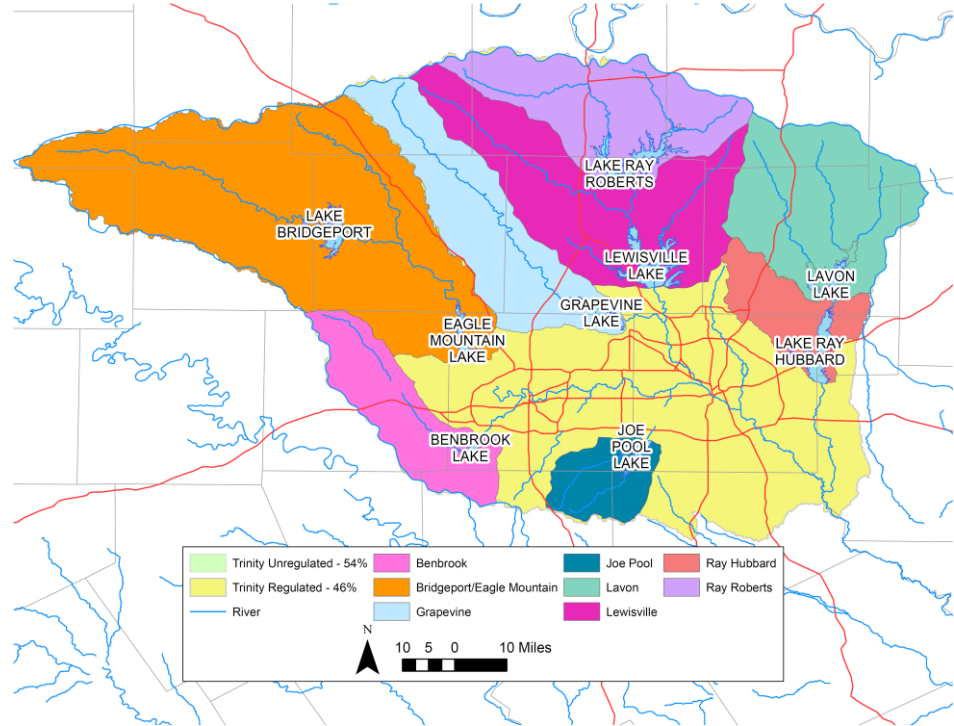
1949 Fort Worth



# Corridor Development Certificate Program (CDC)

Dallas-Fort Worth - Flood Control and Water Supply System

- ✓ Flood Control System
  - ✓ Over \$79 billion in damages prevented
  - ✓ \$2-3 billion per year
- ✓ Water Supply System
  - ✓ 6.8 million served
  - ✓ Cost = \$2.5 billion



# Corridor Development Certificate Program (CDC)

## Seventh Flood Control Reservoir

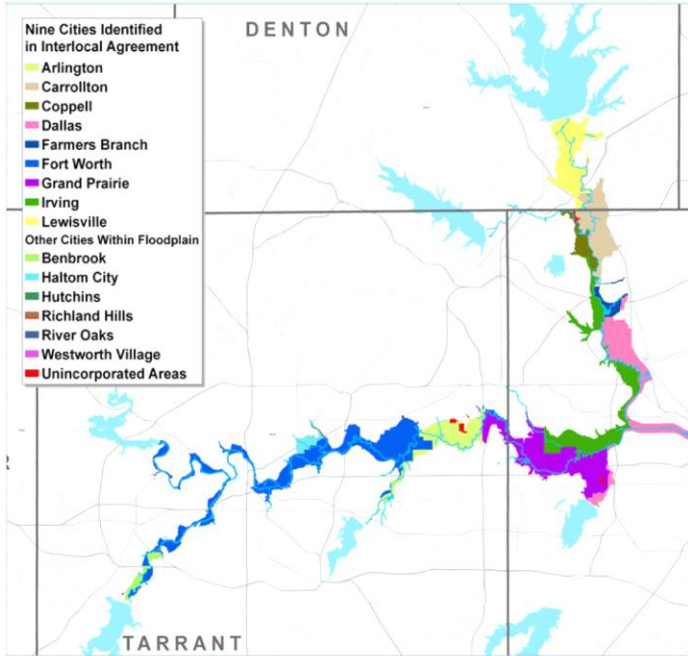
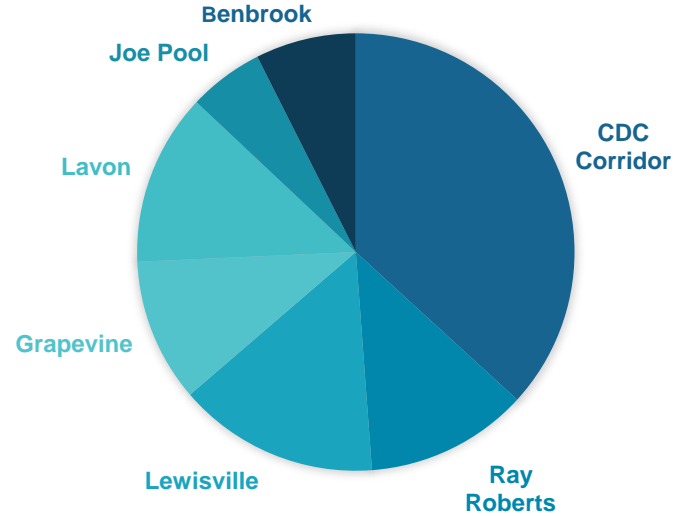


Figure is for demonstration purposes only and should not be used in determining exact cover

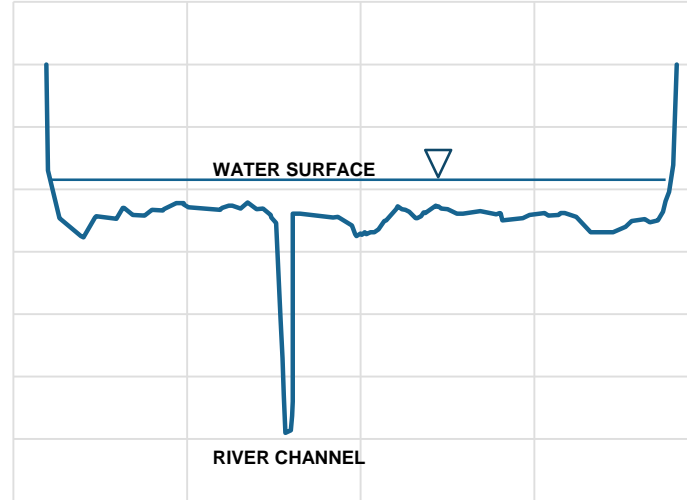
## ACTIVE FLOOD STORAGE





# Corridor Development Certificate Program (CDC)

## Seventh Flood Control Reservoir

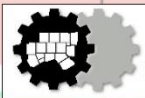
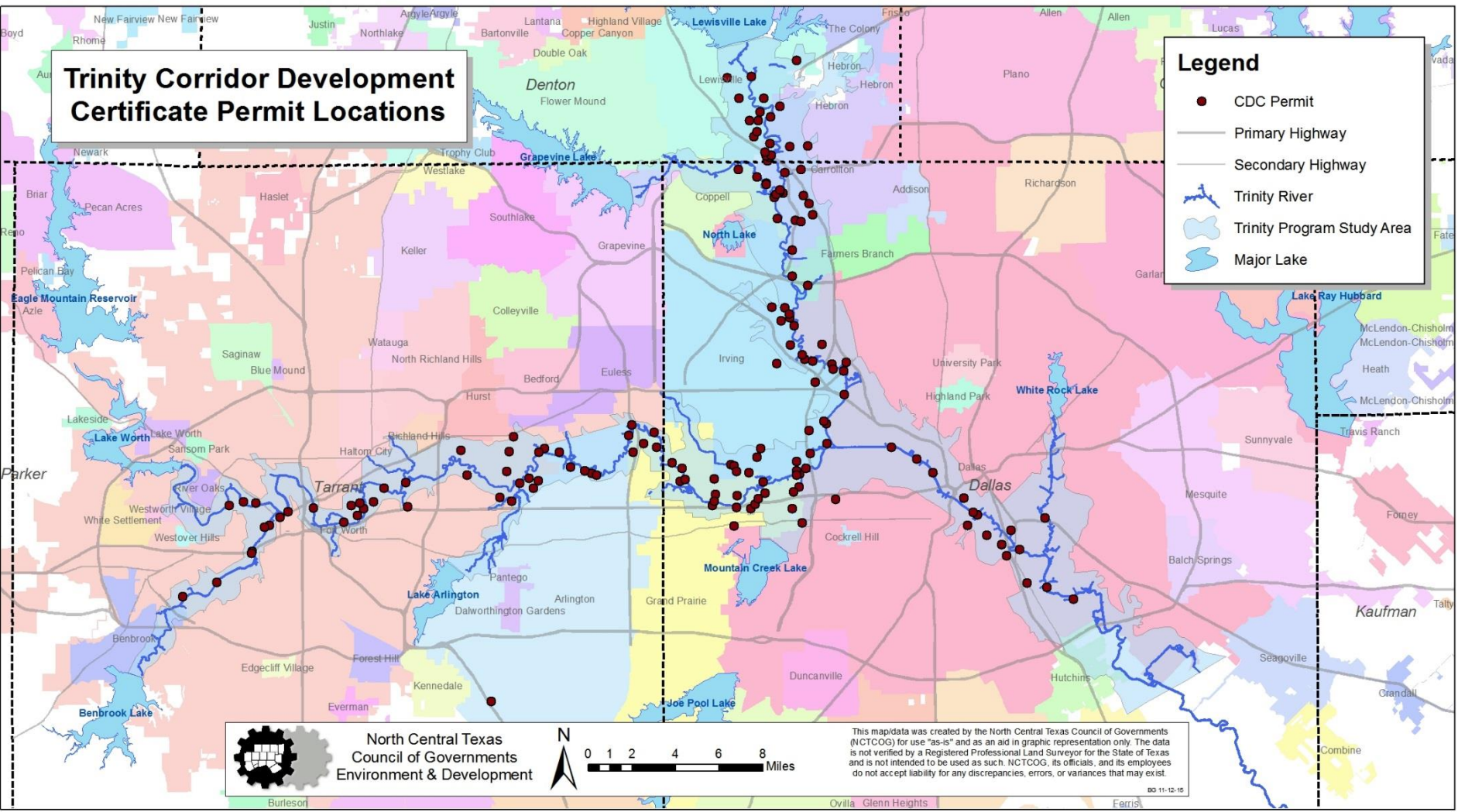


FULL FLOODPLAIN CONVEYANCE AND STORAGE

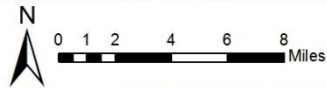
# Trinity Corridor Development Certificate Permit Locations

## Legend

- CDC Permit
- Primary Highway
- Secondary Highway
- Trinity River
- Trinity Program Study Area
- Major Lake



North Central Texas  
Council of Governments  
Environment & Development



This map/data was created by the North Central Texas Council of Governments (NCTCOG) for use "as-is" and as an aid in graphic representation only. The data is not verified by a Registered Professional Land Surveyor for the State of Texas and is not intended to be used as such. NCTCOG, its officials, and its employees do not accept liability for any discrepancies, errors, or variances that may exist.



Establishment of the CDC Process provides a number of benefits and innovations, including the stabilization of flood risk.

## THE CDC PROCESS

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While participating in the CDC Program is required by communities that signed the Interlocal Agreement in 1989 if they want to continue to develop along the Trinity Corridor, there is no requirement for cities outside the main corridor.

Why participate?



# CDC Program Goals

## Corridor Development Certificate Program



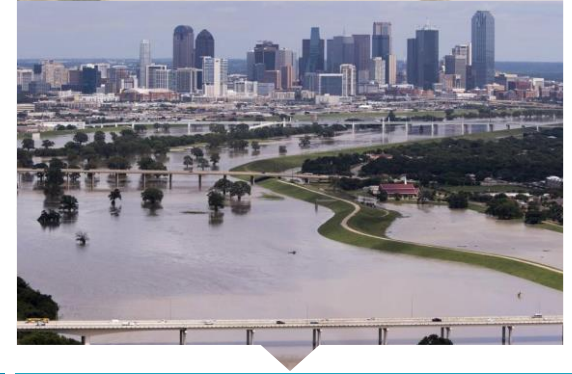
### Limits Impact

Limits (but does not eliminate) the impact of floodplain encroachments for regulated streams on downstream areas



### Review Process

Establishes a consistent regional criteria and review process



### Funding Stream

Provides a funding stream for updates and state-of-the-art models and modeling tools



# CDC Program Goals

## Corridor Development Certificate Program



### Provides Oversight

Provides oversight for projects constructed in the 100 year floodplain



### Allows Development

Allows development in the floodplain



### Project Review

Allows all Flood Management Task Force (FMTF) members to review projects for the entire regulatory footprint



# QUESTIONS?

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# Contact List

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