

Southwestern Division “Pacesetters”

Brig. Gen. Thomas W. Kula
Commanding General
Aug. 14, 2013



®

US Army Corps of Engineers
BUILDING STRONG®



Corps of Engineers Footprint



Europe District

9 Divisions

- Northwestern
- South Pacific
- Southwestern
- North Atlantic
- South Atlantic
- Pacific Ocean
- Great Lakes
- Mississippi Valley
- Transatlantic

45 Districts



Pacific Ocean Division



Transatlantic Division



● Division Headquarters
● Corps Headquarters

Southwestern Division Leadership



Brigadier General Thomas W. Kula
SWD Commander



Colonel Richard J. Muraski
SWD Deputy Commander



Mr. Robert E. Stockbower, SES
Director of Programs



Mr. Ray Russo
Acting Director, Regional Business



Colonel Charles H. Klinge
Fort Worth District Commander



Colonel Richard P. Pannell
Galveston District Commander



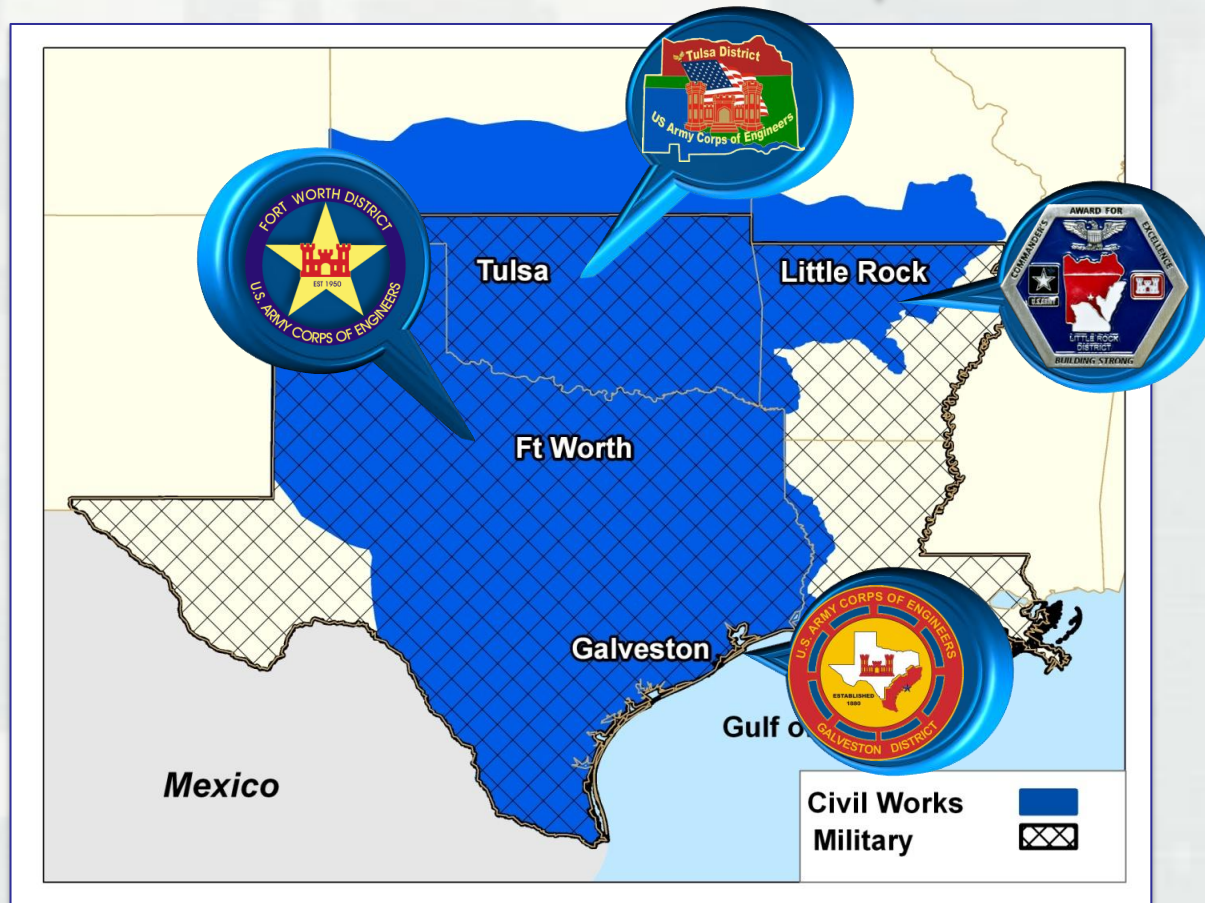
Colonel Courtney Paul
Little Rock District Commander



Colonel Richard A. Pratt
Tulsa District Commander



Southwestern Division Footprint



Major Mission Areas

Civil Works
Military Missions
Interagency & International Support



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Civil Works

Water Supply

- Water storage enough to provide water to 4.5 million people or
- More than 70% of the Corps water supply



Lake Lavon, Texas

Inland Navigation (MKARNS & GIWW)

- MKARNS: 18 locks & dams
- 423 miles of GIWW



Bull Shoals Powerhouse
Arkansas

Hydroelectric Power

- 18 power plants in 6 states produce 6.7 billion kw hours
- 87% of regional capacity, second in the Corps
- Generates power to 8 million customers in six states

Recreation

- 20 percent of the Corps' total recreation projects located within the regional boundary
- 75 million visitors at 90 operating projects located in five states



Eufala Lake, Oklahoma

Flood Damage Reduction

- 74 flood damage reduction lakes/reservoirs
- 33.22M acre-feet of flood storage
- 760 miles of local flood protection projects
- \$85 B in cumulative flood damage prevention



Dallas Floodway



Regulatory (work in waters & wetlands)

Regulators examine soils on a wetland delineation field visit.



Houston Ship Channel

Navigation (Ports and Channels)

- 3 of the Nation's "Top Ten" ports
- 32 channels (15 deep draft, 17 shallow draft)
- More than 500 M tons of commerce annually



Military Missions

- Engineering
- Construction
- Installation Support
- Environmental engineering/services
- Interagency & International Services

Installations in 5 states
 9 major Army Posts
 9 major Air Force Bases



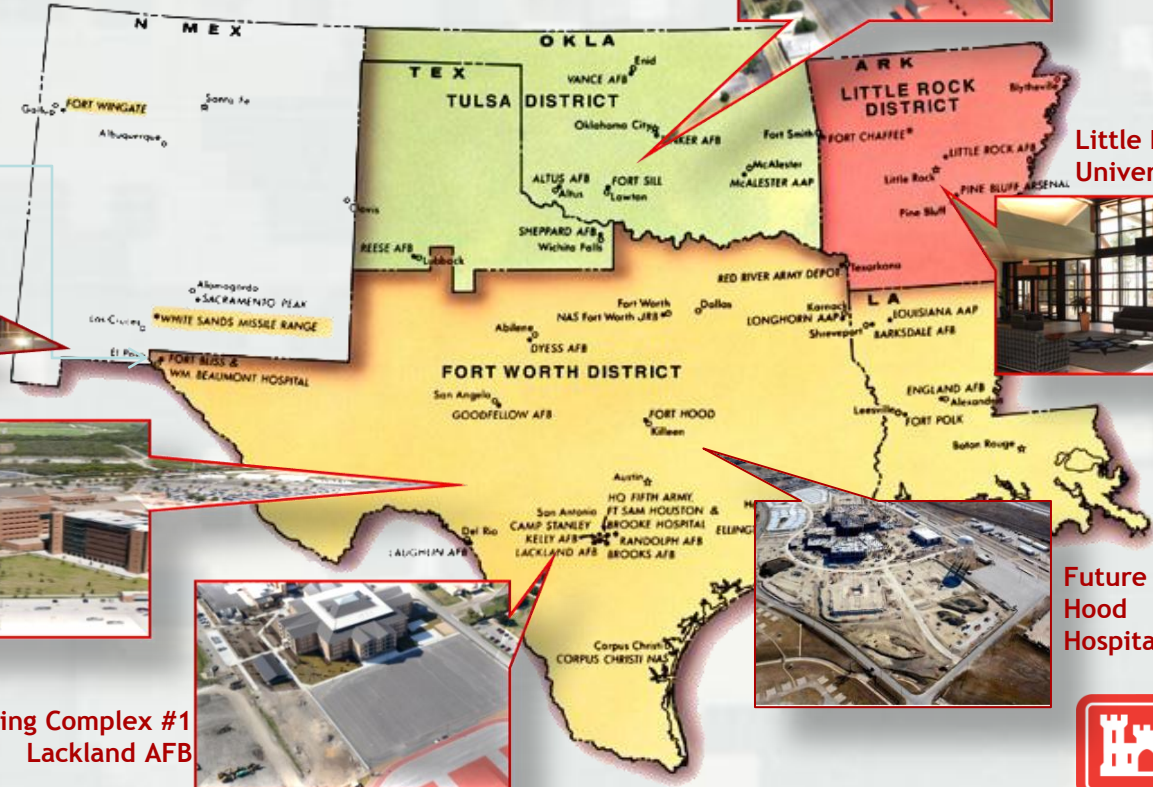
Support to Department of Homeland Security



Air Defense Artillery School
 Fort Sill



Warrior in Transition Complex
 Ft Bliss



Little Rock AFB University Center



San Antonio Military Medical Center



Airman Training Complex #1
 Lackland AFB



Future Fort Hood Hospital



“Today’s Take Aways”

- The Corps supports America’s warfighters through its Military Programs and support to overseas contingency operations
- The Corps brings much value to the nation and the Dallas-Fort Worth area through its civil works programs
 - The Corps partners with local sponsors to support the needs of local communities
 - The Corps’ number one priority is to protect lives
 - Through levee safety
 - Through dam safety
 - Through water safety
- The Corps executes all missions in a way to ensure a balanced approach to environmental sustainability



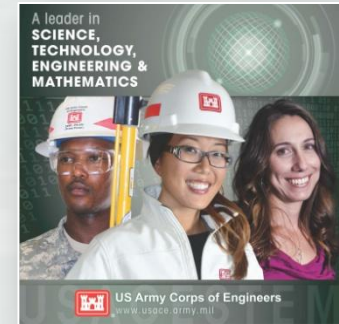
Dallas-Fort Worth



Areas of Interest



Water:
Flood Risk Management
(Dam & Levee Safety)
Water Supply & Drought
Recreation & Water Safety



People:
STEM
Returning
Veterans &
Wounded
Warriors

Emergency
Management

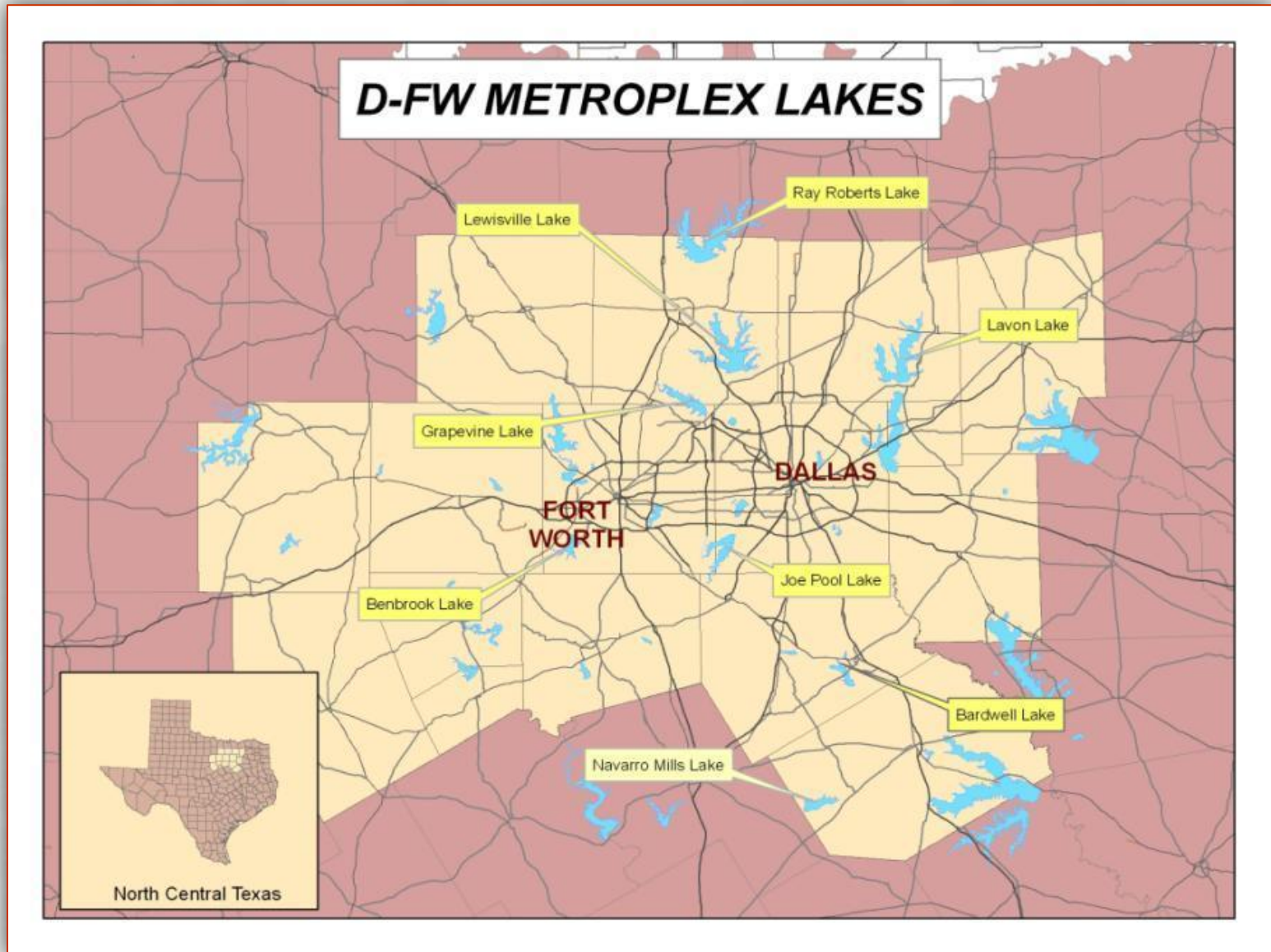


Economy



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Trinity Region Lakes



Flood Risk Management

Dam and Levee Safety



Dallas Floodway



Central City



Lewisville Dam



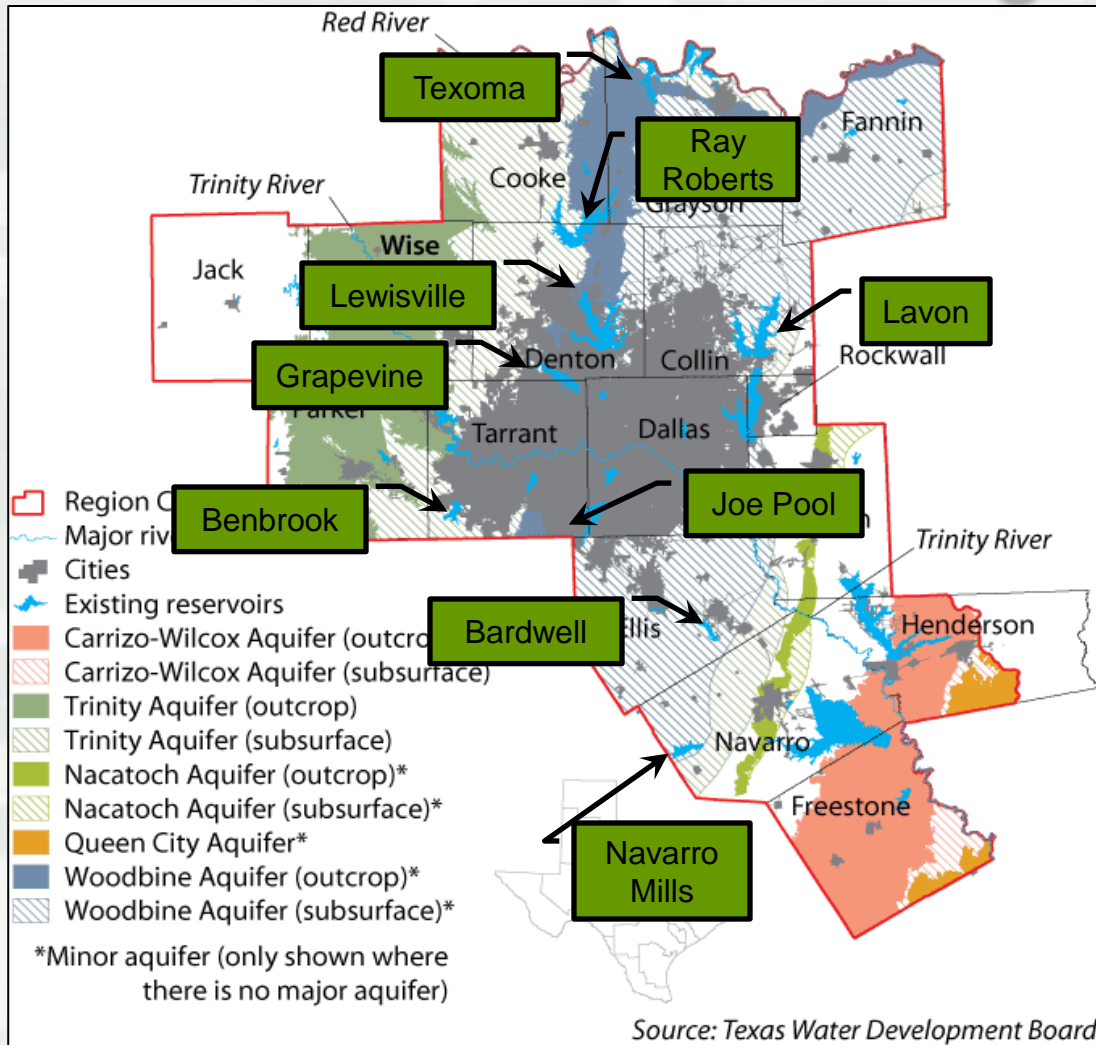
Water Supply

Major source of water supply
for North Texas

- Cities of Dallas and Denton
- North Texas Municipal Water District
- Upper Trinity Regional Water District
- Tarrant Regional Water District
- Trinity River Authority



State Planning Region C



USACE Activities	
Watershed Systems	
Total Acre-Feet of Water Supply	2,108,250
Ongoing Studies	1) Lake Grapevine Sedimentation Survey 2) Lake Lavon Sedimentation Survey
Future Potential Studies	1) Lake Lavon Reallocation 2) Trinity River Basin Study
Dam Safety Projects	1) Lewisville Lake
Major Maintenance	1) Lewisville Lake Spillway Repair
Implementation of Future State Water Strategies – Regulatory Permits	1) Lake Ralph Hall 2) Lake Bois d' Arc 3) DWU/TRWD Pipeline

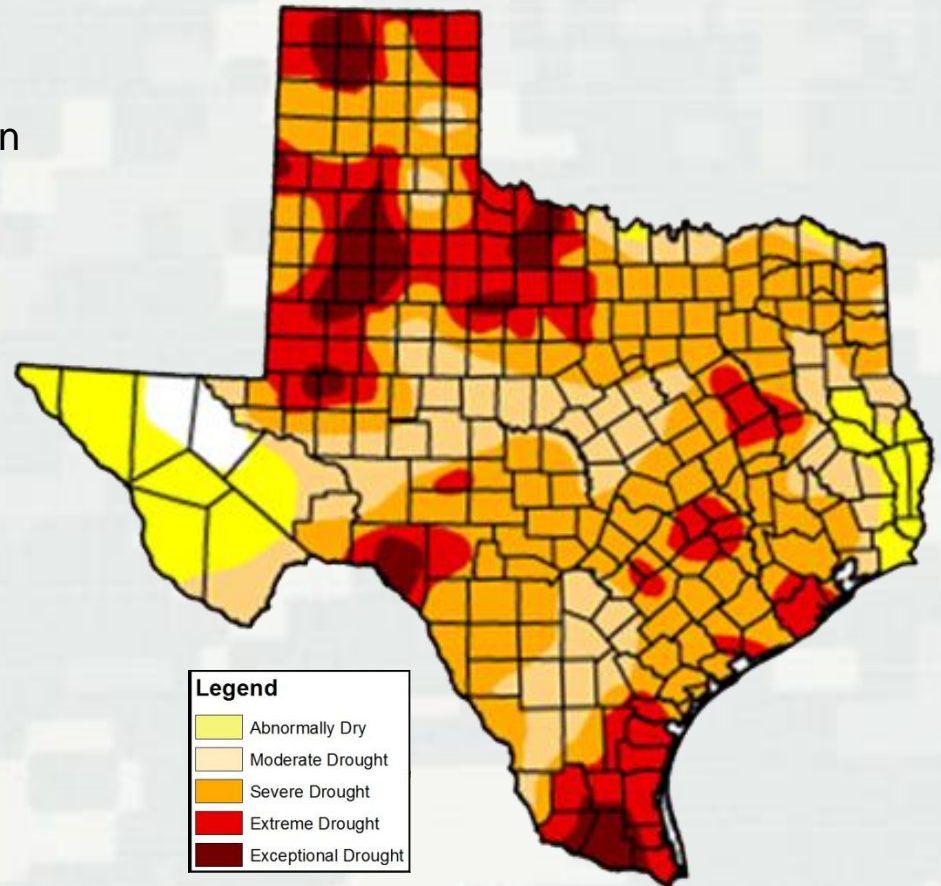


Drought in Texas

Reservoir storage is the lowest we have seen since 1990 for this time of year.

- **Drought statistics**
- 97% of state currently in drought
- 99% a week ago
- 99% three months ago
- 88% a year ago

- **Reservoir statistics (statewide)**
- Currently 63% full
- 64% a week ago
- 66% three months ago
- 72% a year ago
- Normally 83% at this time



As of Aug. 8, 2013
Map courtesy
U.S. Drought Monitor



Source: Texas Water Development Board

Recreation

- 700 shoreline miles
 - 100 Parks
 - 98 Boat Ramps
 - 2378 Camp sites
 - 1514 Picnic Sites
 - 16 Marinas
 - 6334 Slips
- \$197 million in visitor spending within 30 miles



Water Safety



- 89% of victims who drown at USACE lakes and rivers could have been prevented by the wearing of a life jacket
- On the 25 SWF-managed lakes, to date there have been 21 fatalities as compared to 23 this same time last year
- Of the 21 fatalities none were wearing life jackets
- The majority of fatalities are males ages 18-35
- Our Lake and Park personnel continue to engage with the community to educate about safety on and around the water

Keep them smiling.
Keep them safe.

Wearing life jackets...
a safe choice around water.





Environmental Stewardship



Alligator Weed Flea Beetle

Zebra Mussel



Trinity Bird Count



Emergency Management

The National Response & Recovery Framework integrates Federal Agencies and nongovernment organizations.

1. Emergency Support Function #3

(Public Works & Engineering)

FEMA directs all Corps missions under ESF 3
upon request from the State

2. Public Law 84-99

(Flood Control & Coastal Emergencies)

Corps provides PL 84-99 assistance
upon request from the State for each specific event

STEM



2.8 million: the number of STEM job openings in 2020

1 million: the increase we need in STEM graduates to fulfill need

6 out of 100: current 9th graders who will go on to earn STEM degree



10 out of 100: number of women college graduates who earn a STEM degree

5 out of 100: number of African American and Latino college graduates who earn a STEM degree

STEM Focus

Middle School: Inspire & Interest them in STEM disciplines

High School: Inspire them to go for STEM degrees

College: Job opportunities in both civilian & military arenas





Returning Veterans & Wounded Warriors

- Coming drawdown means exponential growth in returning veterans
- Large numbers expected in DFW area as they move to Texas for jobs & opportunities
- Veterans possess unique skill sets
- PTSD is a very small factor with returning veterans
- Corps & civic groups gearing up to help returning veterans & Wounded Warriors



Veteran Opportunities

www.wtc.army.mil
www.hireheroesusa.org
www.military.com
www.volunteer.va.gov

Sept. 23 Dallas Orion Intl
Consulting Group
Sept. 24 Fort Hood Military.com/
NCOA Career Expo
Oct. 3 Dallas/Fort Worth
Military.com/
NCOA Career Expo
Oct. 23 Fort Worth Hiring Our
Heroes

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www.dvidshub.net/unit/USACE-SWD

Online:

www.swd.usace.army.mil



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Economic Impact

*Damages Prevented

Flood Damages Prevented in FY 12 by SWF Projects	\$7,531,161,600
Recreation Captured by Local Economy (64 %)	
Total Visitor Spending	\$331,700,000
Total Sales as a Result of Visitor Spending	\$320,500,000
Total Personal Income as a Result of Visitor Spending	\$116,100,000
Employment	
Income Impacts of Employees in Federal Office Building	\$130,800,000
*Income Impacts of Employees Outside Federal Office Building	\$150,600,000
*Contracting Actions	
Contracts Obligated - 4,999	\$2,818,600,000
Total Economic Impact of SWF	\$12,996,200,000



Small Business

Small Business	\$37.4 M
Small, Disadvantaged Business	\$31.2M
Women-Owned Small Business	\$10.5M
HUBZone	\$6.6M
Service Disabled-Veteran Owned	\$5.24M
Total Small Business Obligated	\$90.96M
Total Contracts Obligated	\$1.6B



Dallas Floodway Status

- 9 Aug 13 – SWF approved the minor Section 408 for the Horseshoe Project so that TxDOT can begin construction of the IH-30/IH-35 bridges
- 21 Aug 13 – City Council Status Update by Col. Klinge with Jill Jordan
- Jan 14 – The Corps is preparing a Draft Feasibility Report and Environmental Impact Statement (EIS) to be sent out for public comment in Dec 13 / Jan 14



Dallas Floodway Major Milestones

- 24 Dec 13 – Begin 45-day Public Comment Period
- 15 Jan 14 – Conduct Public Hearing
- 4 Jun 14 – Publish Final EIS for 30-day Review
- 2 Aug 14 – Final Report Approval from HQUSACE
- 18 Aug 14 – ROD Signed by ASA(CW)



Lewisville

Dam Safety Modification Study

- The Dam Safety Modification Study is being conducted in response to the screening and classification performed in 2005 which identified this project as very high risk because of confirmed and unconfirmed potential safety issues, as well as potential impacts of those issues on the large downstream populations which may be affected.
- While these studies and analyses are being conducted, interim risk reduction measures have been implemented to reduce potential dam safety risks.
- EIS Public Scoping meeting will be held at the MCL Grand Theater in Lewisville on August 20th from 1830-2100 to solicit public input regarding the proposed study to assist us as we progress through the NEPA process.
- We cannot eliminate all risk associated with dams. USACE's Dam Safety Program seeks to ensure that USACE's owned and operated dams present minimized risks to human life, property, or the environment. Routine inspections and operation of the lake and dam will continue, and emergency action plans have been developed and updated in coordination with local emergency management officials.

