

Society of American Military Engineers

The **Continuing Evolution** of All-Hazard Contingency Operations

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Director of Contingency Operations
and Homeland Security

Headquarters
U.S. Army Corps of Engineers

4 February 2016



U.S. ARMY



US Army Corps of Engineers
BUILDING STRONG



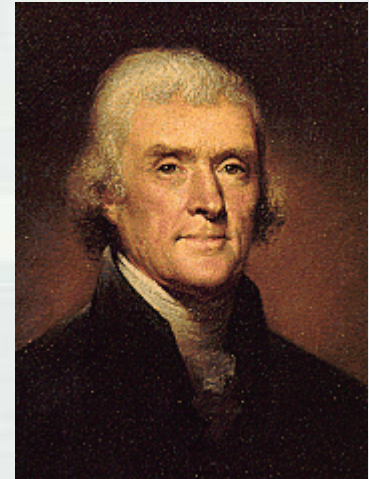
U.S. Army Corps of Engineers

240 Years of Service to the Nation



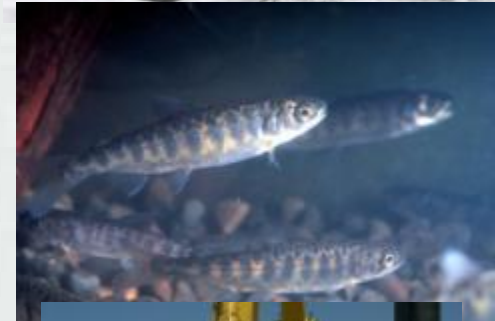
History, US Army Corps of Engineers

- **1802:** Modern Corps of Engineers founded; West Point established as first U.S. engineering school
- **1824:** During nation's infancy – helped build the nation and moving commerce
 - Corps authorized to survey road and canal routes
 - Authorized first Corps work in clearing obstacles on Ohio, Mississippi Rivers and at ports
- **1850:** Congress authorizes first Corps studies of potential flooding on Mississippi River
- **1879:** Mississippi River Commission established
- **1914:** Panama Canal completed
- **1927:** Great Mississippi River Flood
- **1928:** Flood Control Act establishes Mississippi River & Tributaries (MR&T) Flood Control project



More U.S. History in Civil Works

- **~1935-65:** “Big Dam Era” - Corps protection mission
- **1955:** USACE flood-fighting and repair of flood control works authorized (Public Law 84-99)
- **1970:** Start of environmental movement - National Environmental Policy Act requires environmental analysis of all proposed Corps activities
- **1988:** *Robert T. Stafford Disaster Relief and Emergency Assistance Act of 1988 (Stafford Act)*: provides the legal authority for the federal government to provide assistance to states during declared major disasters and emergencies.
 - Engineers have a role within emergency response!
 - Government-wide coordination on emergency response efforts
 - USACE designated as lead for Emergency Support Function #3 (Public Works & Engineering)
- **1989:** Hurricane Hugo
- **1992:** Hurricane Andrew



History of Contingency Operations

- **1998:** Hurricane Georges: catalyst for Readiness XXI, Planning and Reconstruction Teams (PRT), and the 249th EN BN (Prime Power) took on temporary power assessments.
- **2001:** USACE responds to attacks of 9/11 in New York and at the Pentagon and sends Forward Engineering Support Teams (FEST) to Afghanistan
- **2003:** USACE responds to Defense Secretary regarding capabilities and stands up the Gulf Region Division
- **2004:** USACE stands up the Afghanistan Engineer District
- **2005:** Hurricanes Katrina and Rita
- **2009:** Provisional Directorate of Contingency Operations (DCO)
- **2010:** Army permanent order issued for DCO
- **2011:** Greater New Orleans Hurricane & Storm Damage Risk Reduction System provides “100-year flood” level of risk reduction, and historic floods
- **2012:** Hurricane Sandy



USACE Support to National Emergencies



Sand bag preparation



Dredging in Santa Clara, NM

Public Law 84-99
(Flood Control & Coastal
Emergency Act of 1955)

Prepare
Respond
Repair

.....
“Flood Fight”



Emergency Levee



Fargo, ND flood fight

Public Law 93-288
Stafford Act

(National Response Framework)

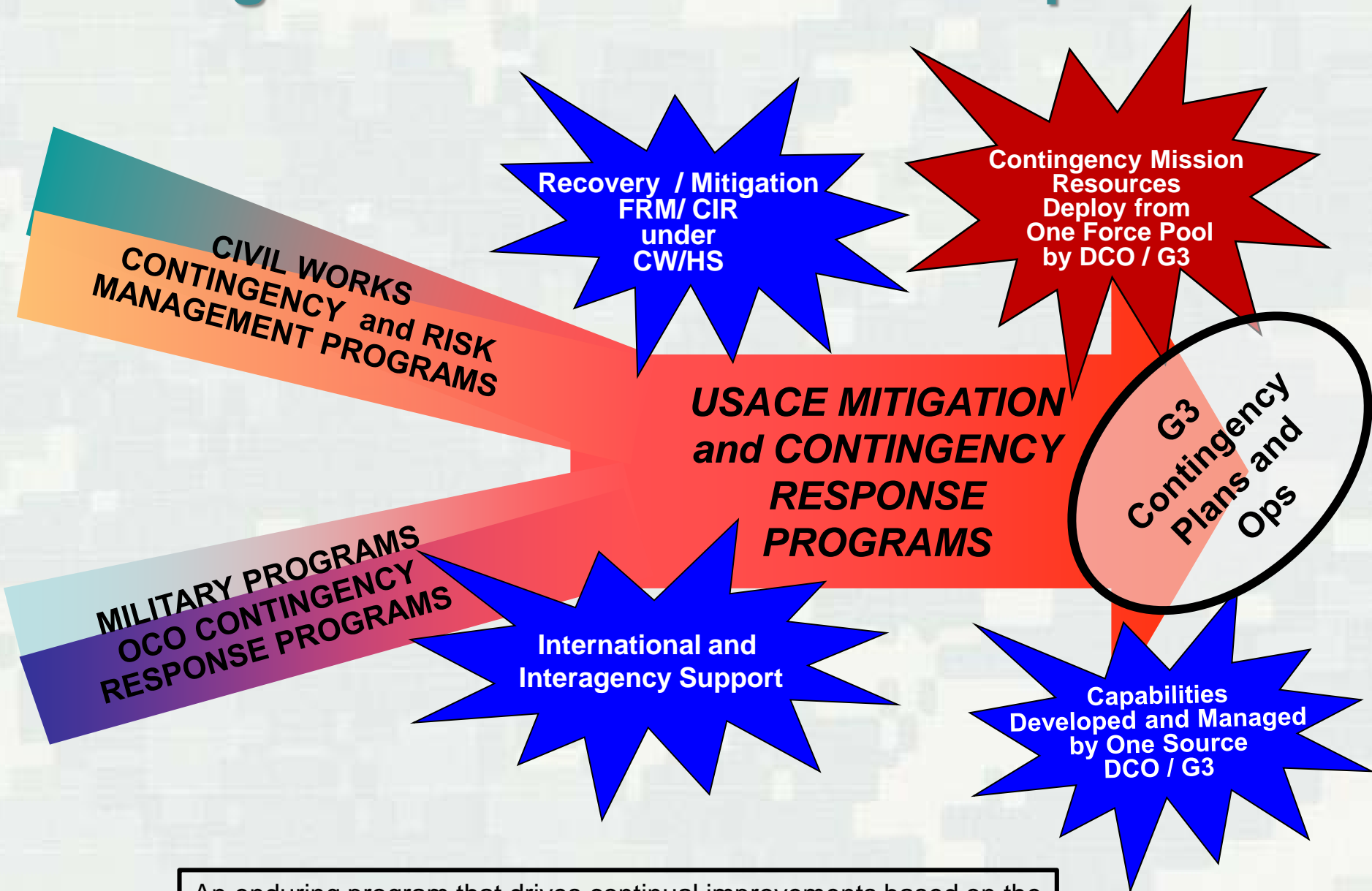
Public Works and Engineering assistance to
DHS/FEMA -led national response

.....
**“Natural Disaster /
Emergency Response”**



Sandy repair: Seabright
to Manasquan

Strategic Vision for All Hazards Operations



An enduring program that drives continual improvements based on the ever changing planning and operational environments

All Hazards Lines Of Operation

**P.L.
84-99**



Flood Control and Waterways

**Stafford
Act**



NRF Disaster Response

NDRF



Recovery Operations

PRT



Planning and Response Teams

**RFF /
PASA**



**International Support to Geographical
Combatant Command / USAID / Support to DoD
(Field Force Engineering)**

**END STATE:
Nation is
Provided
Responsive
Technical
Engineer
Support**

USACE Campaign Plan Goals



➤ ***Support National Security***

➤ ***Transform Civil Works***



➤ ***Reduce Disaster Risks***



➤ ***Prepare for Tomorrow***



Presidential Policy Directive (PPD-8)

National
Preparedness Goal

National Preparedness System

National Planning Frameworks

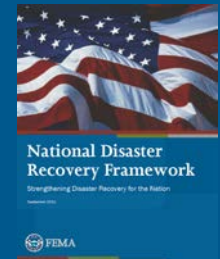
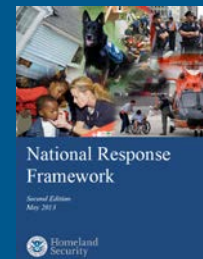
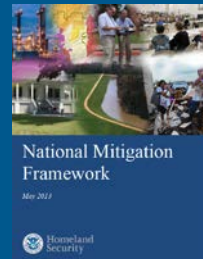
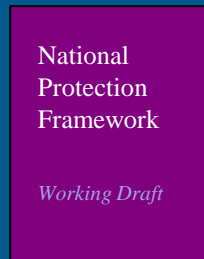
Prevention

Protection

Mitigation

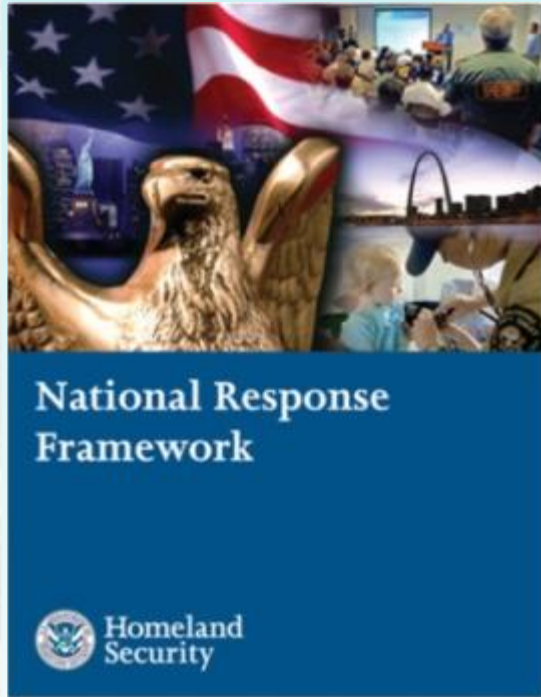
Response

Recovery



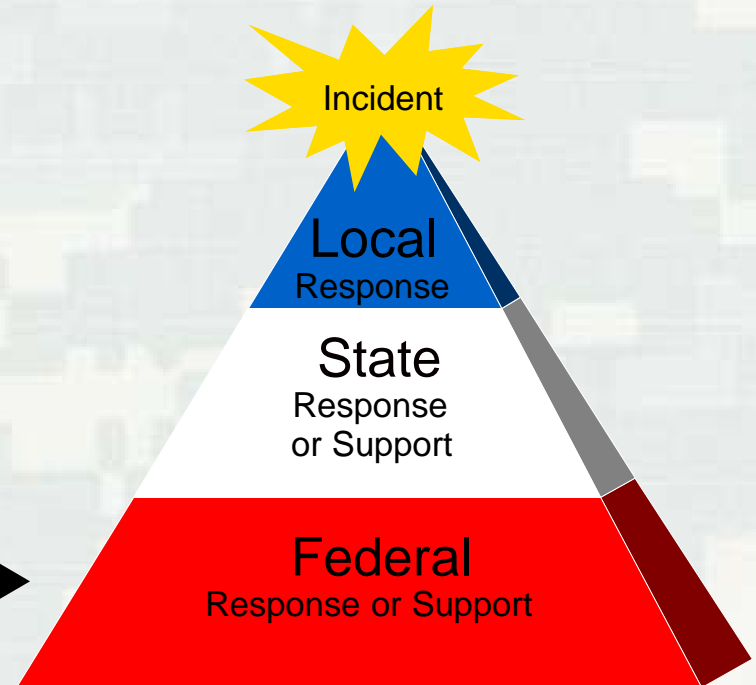
Federal Interagency Operational Plans

National Response Framework

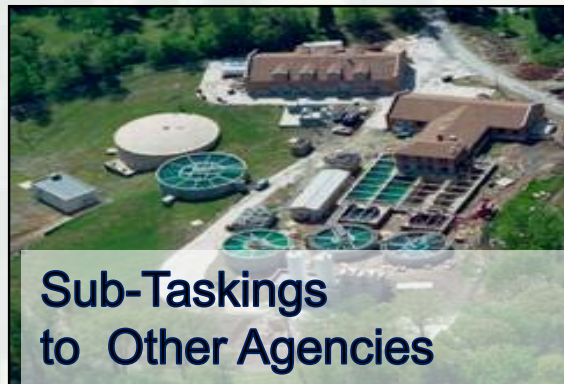
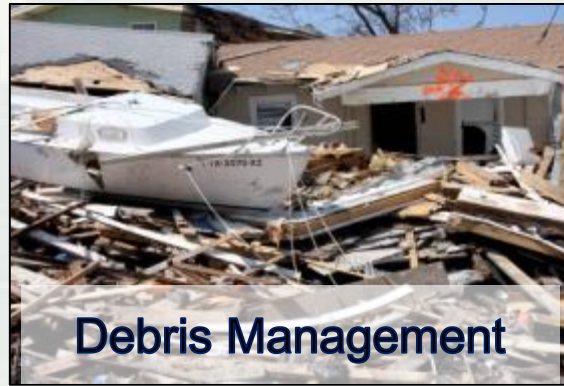


- Doctrine for Federal support
- Organizes Federal resources
- Roles and responsibilities

14 Emergency Support Functions



ESF #3 Public Works and Engineering



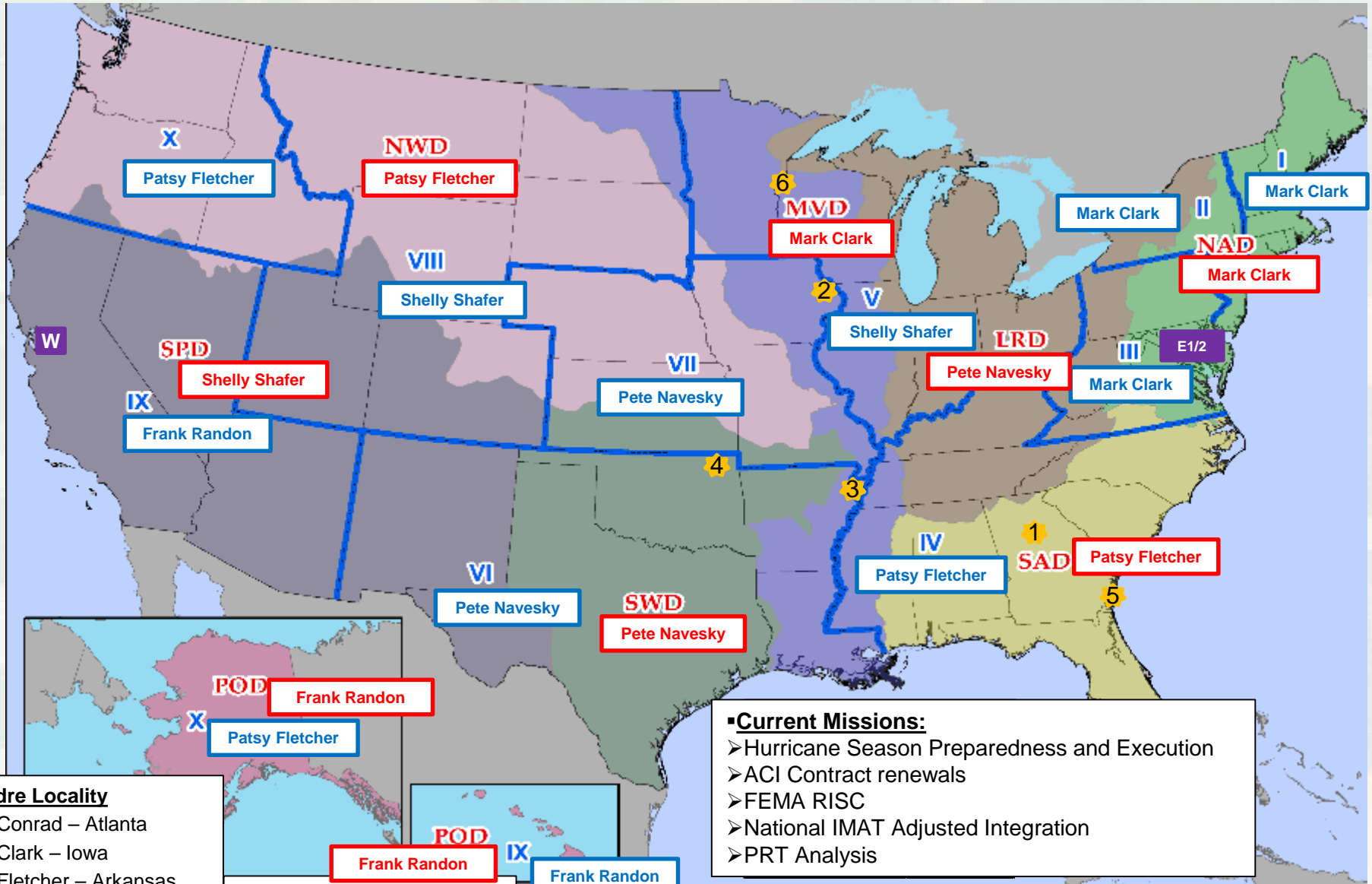
Sub-Tasking to Other Agencies

(Under NRF)

- **EPA**: Water / Wastewater Treatment / Hazardous Debris
- **Department of Interior**: Temporary Roofing / Debris Management
- **Coast Guard**: Sunken Vessel Assistance
- **Navy Supervisor of Salvage**: Obstructions in Waterways / Un-watering



ESF#3 Permanent Cadre Locations and Habitual Associations



Cadre Locality

- 1 Conrad – Atlanta
- 2 Clark – Iowa
- 3 Fletcher – Arkansas
- 4 Navesky – Oklahoma
- 5 Randon - Georgia
- 6 Shafer – Wisconsin

National IMAT

W	West: Shafer
E1/2	East – 1: Clark East – 2: Randon

MSC Alignment

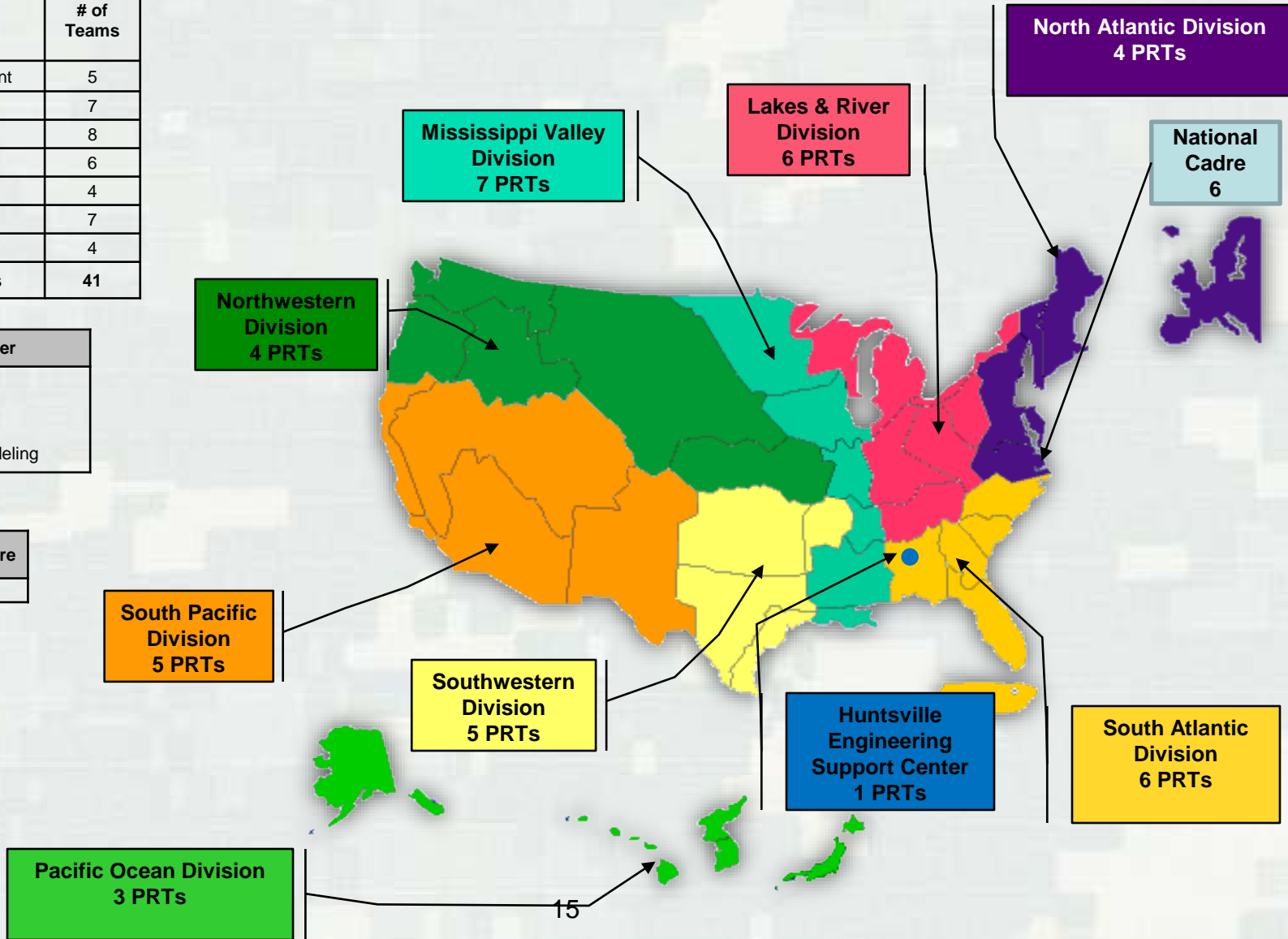
FEMA Alignment

Planning & Response Teams

Type of Team	# of Teams
Infrastructure Assessment	5
Emergency Power	7
Contingency Support	8
Temporary Housing	6
Temporary Roofing	4
Debris	7
Commodities	4
Total Number of Teams	41

Readiness Support Center
<ul style="list-style-type: none"> • Mobile, Alabama • Training • Storm Simulations/ modeling

ESF# 3 Permanent Cadre	
National Cadre	6



Pre-Awarded Response Contracts

- ▶ Immediate response
- ▶ Maximum local hiring and subcontracting
- ▶ Pricing (known & stable)
- ▶ Unrestricted and Small-Business Set-Asides
- ▶ Regionally aligned
- ▶ Improves performance
- ▶ Standardizes contracts



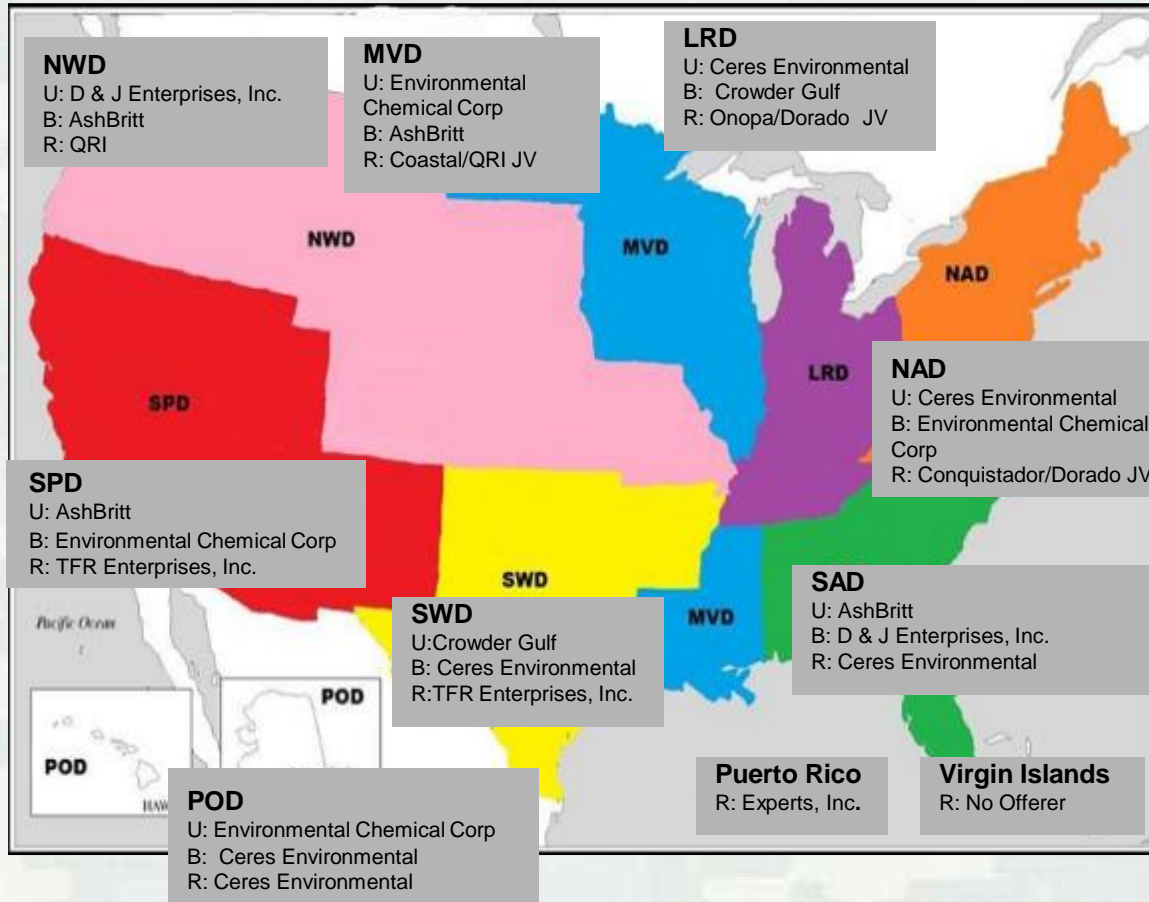
Temporary Power ACI Contracts



- FEMA Regions I,II, and III – Louis Berger
- FEMA Regions IV and V – IAP Worldwide Services
- FEMA Regions VI, VII and VIII – IAP Worldwide Services
- FEMA Regions IX and X – Louis Berger
- All contracts are large business with \$50M capacity 1 base year and 4 option years.
- Re-solicitations will occur in 2018



Debris ACI MSC/State Coverage



MVD: MS, IL, MN, WI, LA, IA, ND
LRD: WV, KY, TN, IN, OH, MI
SAD: AL, FL, GA, NC, SC, PR, VI
NAD: CT, MA, ME, NH, RI, VT, NJ, NY, DC, DE, MD, PA, VA
NWD: KS, MO, NE, CO, MT, SD, WY, ID, OR, WA
SWD: AR, OK, TX
SPD: NM, UT, AZ, CA, NV
POD: HI, AK, GUAM, Am. Somoa, Other US Territories within POD

Unrestricted and Restricted ACIs provide ability for Scalable response and utilizes Small business contractors

Areas with no offerer have coverage with Unrestricted contract.

Contract re-solicitations will be in 2019

U: Unrestricted ACIs \$240M Capacity

B: Reach Back Contractor

R: Restricted ACIs (business) \$580M pool Capacity (100% set aside for small

Leveraging Partners



Veterans Administration

- Infrastructure Assessment



DHS IP

- Infrastructure systems modeling



EPA (Water)

- Water and wastewater infrastructure support



Department of Interior

- Recovery mission support



Navy Supervisor of Salvage

- Navigation obstructions and unwatering



US Coast Guard

- Navigation Restoration, unwatering, vessel removal



Department of Labor (OSHA)

- Employee Safety



EPA (Debris)

- Hazardous Debris



Civil Air Patrol

- Transportation, assessment support



Forest Service

- Road Clearance Teams

Leveraging Partners



Defense Logistics Agency

- Contracting requirements for generators and fuel



Department of Energy

- Situational Awareness, grid and facilities restoration



Department of Transportation

- Route planning, expedite permitting



General Services Administration

- Sourcing for resources and facilities



Department of State

- Donation management, floodfight control



NVOAD

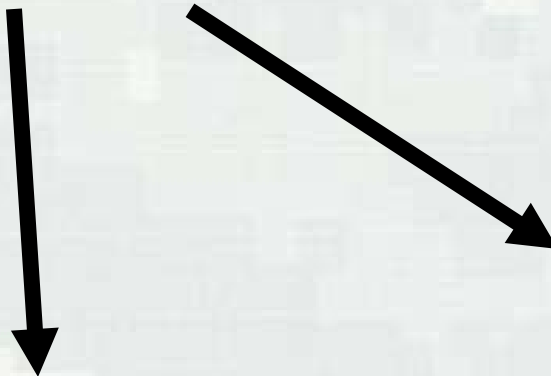
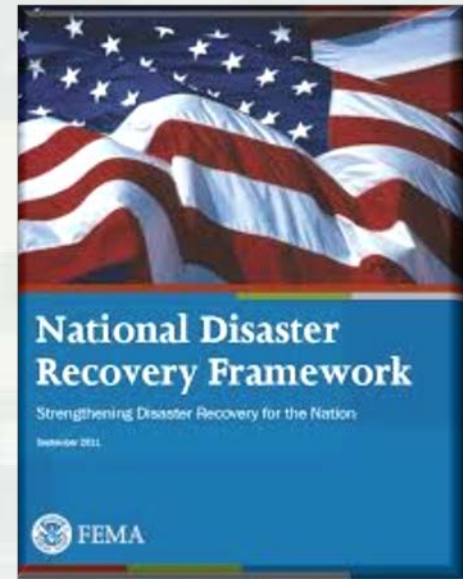
- Temporary Roofing, debris clearance



CNCS

- Mission Support

National Disaster Recovery Framework



Coordinating Agency

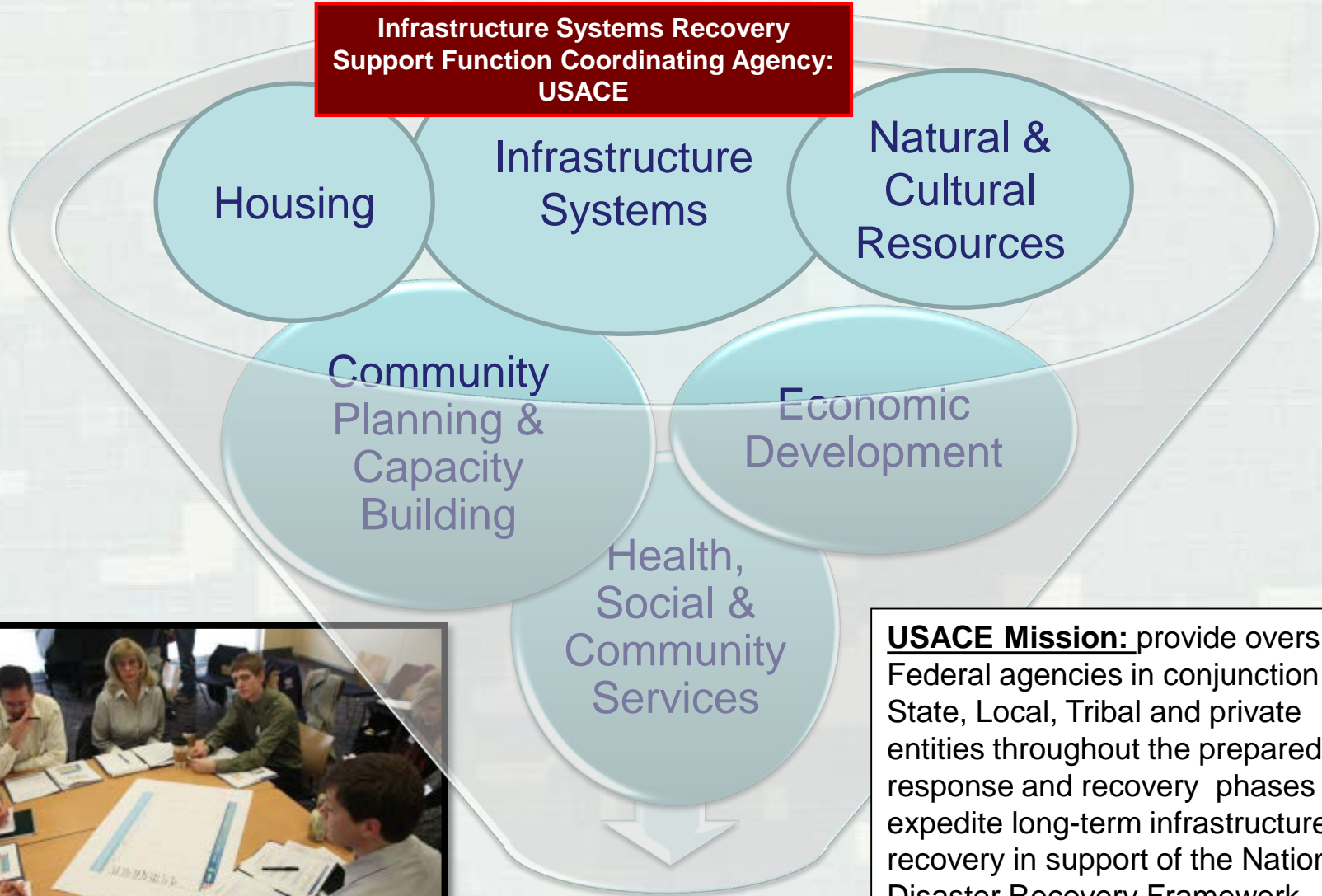
- U.S Army Corps of Engineers

Primary Agencies

- U.S Army Corps of Engineers
- Department of Homeland Security/
Federal Emergency Management
Agency and National Protection
Programs Directorate
- Department of Energy
- Department of Transportation

National Disaster Recovery Framework: *Recovery Support Functions*

Infrastructure Systems Recovery
Support Function Coordinating Agency:
USACE



USACE Mission: provide oversight of Federal agencies in conjunction with State, Local, Tribal and private entities throughout the preparedness, response and recovery phases to expedite long-term infrastructure recovery in support of the National Disaster Recovery Framework (NDRF).



Holistic Long-Term
Community Recovery

Public Law 84-99

Flood Control and Coastal Emergencies

Prepare: Advance Measures

- Imminent threat / Unusual flooding
- Temporary in nature
- Protects life and property

Respond: Flood Fight

- Save life and property
- Temporary in nature
- Emergency Debris
- Emergency Infrastructure

Recover: Levee Rehabilitation

- Levees in Federal Program

Mitigate

- Identify mitigation opportunities
- Intergovernmental TF



An Emergency Levee Protects the City at Second Street during the 2001 flood.

Silver Jackets

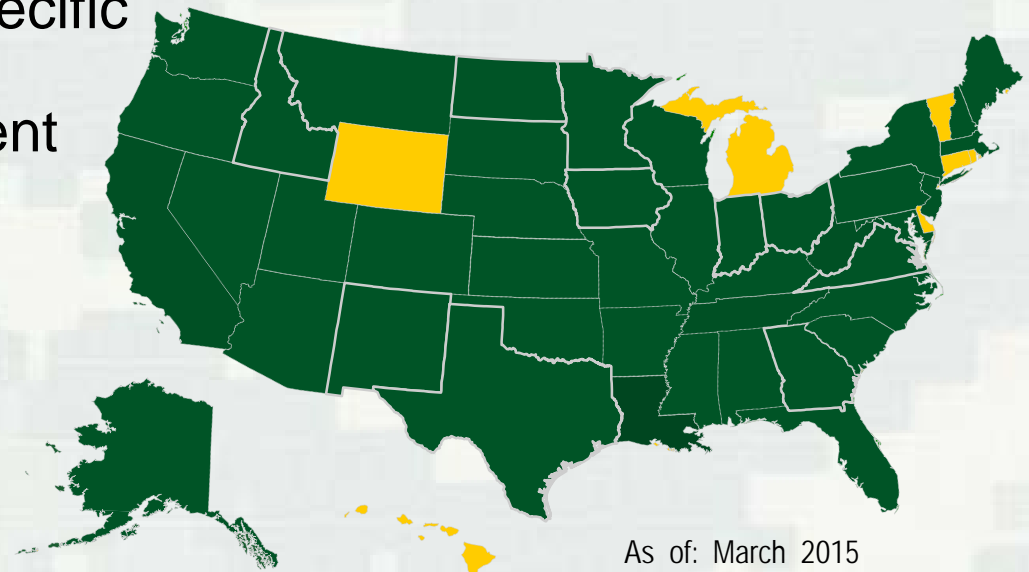
“Operationalizing” Inter-Agency Flood Risk Management

partners

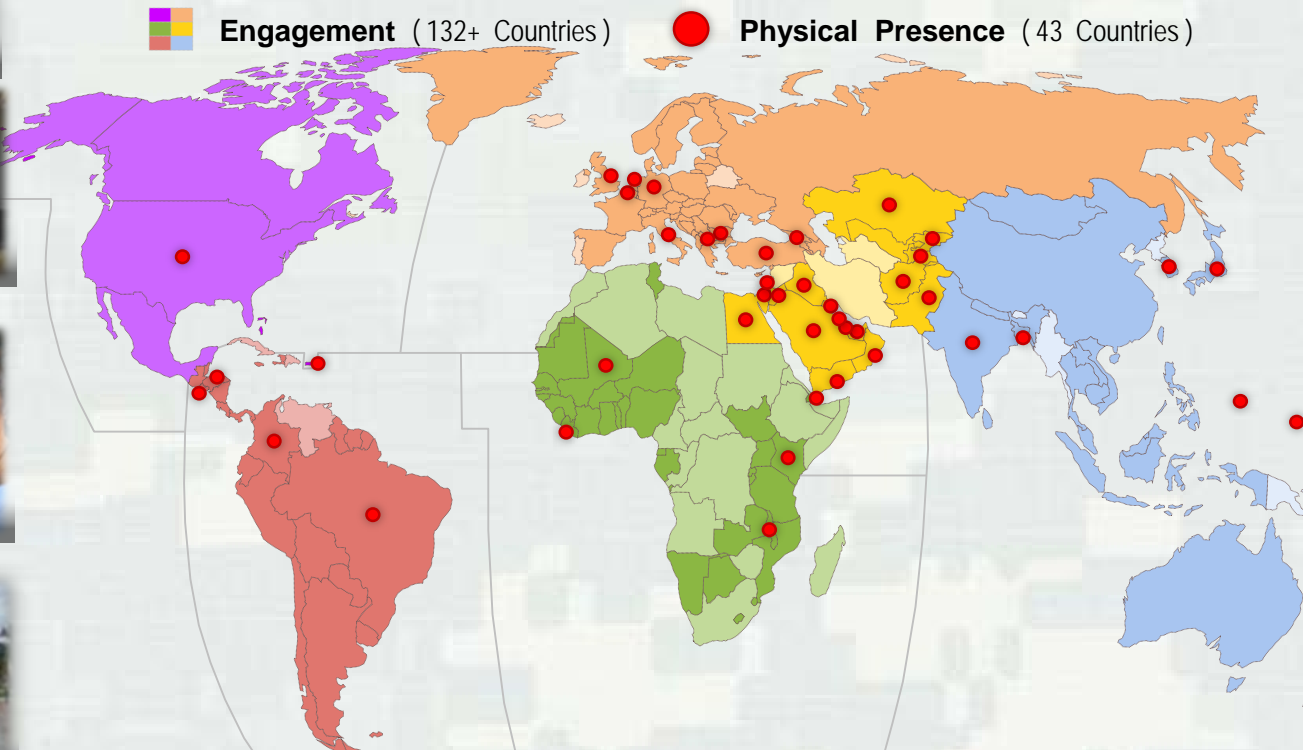
- State-Led (Voice of our ~~Customers~~)
 - States set priorities for coordinated Interagency Federal support
- Interagency Method of Delivery (MOD)
 - Collaboration across agencies / levels of government
 - Universal / Tailorable for all Agencies / Programs
 - Leverage resources: talent, data, funding
- Continuous, not project-specific
- Life-Cycle Risk Management
- Watershed Perspective
 - State teams facilitate regional, state-to-state flood risk management



44 Active Interagency FRM Team (SJ)
7 Ongoing Effort to Develop Team



USACE Has Global Presence



Over 33,000 civilians have deployed to overseas contingency ops, with 11,000 from USACE



USACE Regional Alignment and Global Engagement – Supporting Combatant Commands and US Agencies

US NORTHCOM *
 Northwestern Division (OR)
 CDR: BG Spellmon
 LNO: Kevin Wilson

US ARNORTH *
 Southwestern Division (TX)
 CDR: BG David Hill
 LNO: Ed Feigenbaum

FEMA LNO: Bill Irwin
FEMA LNO NDRF: Ty Brumfield
OSD HLS: Chris Morgan
US Coast Guard: Pat Mustchler
SOCOM: Vernie Reichling

US EUCOM *
 North Atlantic Division (NY)
 CDR: BG Butch Graham
 LNO: Erik Fleischner

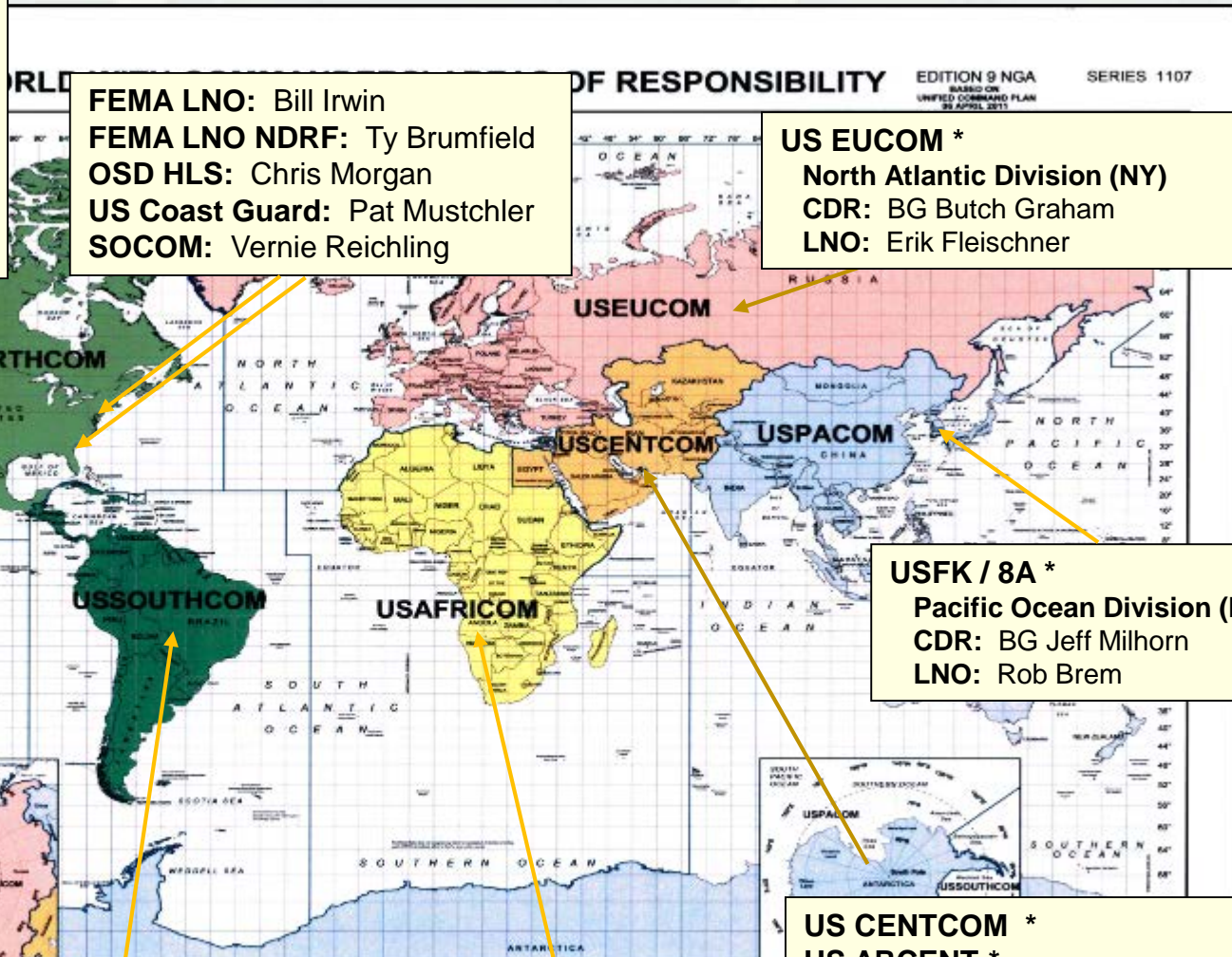
US PACOM *
 Pacific Ocean Division (HI)
 CDR: BG Jeff Milhorn
 LNO: Tom Brady

USFK / 8A *
 Pacific Ocean Division (HI)
 CDR: BG Jeff Milhorn
 LNO: Rob Brem

US SOUTHCOM *
 South Atlantic Division (GA)
 CDR: BG David Turner
 LNO: Marcelo Salles

US AFRICOM *
 North Atlantic Division (NY)
 CDR: BG Butch Graham
 LNO: LTC (P) Robert Hailey

US CENTCOM *
US ARCENT *
 Transatlantic Division (VA)
 CDR: MG Robert Carlson
CENTCOM LNO: Moe Gissendanner
ARCENT LNO: Brian Phillips



* USACE provides embedded LNO

DoD Support: Expeditionary Engineering (FFE) 2015

Preserves the core integration capabilities of mission command/C2, forward engagement, readiness, and oversight.

- TAD retained as operating division, DS to CENTCOM
- LNOs and military planners retained at MSCs aligned with geographic COCOMs to provide forward planning and readiness oversight.
- HQ aligns with non-geographic COCOMs.
- DCO/G3 retains mission command, training and readiness oversight, and co planning capability.

Integration

Preserves base level of reachback Capability to:

- provide RFI support
- maintain VTC bridges and satellite
- operate REDi database
- train FFE teams on equipment

Reachback

Deployable Teams:

- 8 x FEST-A (Realigned)
- EnvST: 16 man pool
- 4 x CREST
- Contingency Districts/HQ Aug Cell

Expeditionary

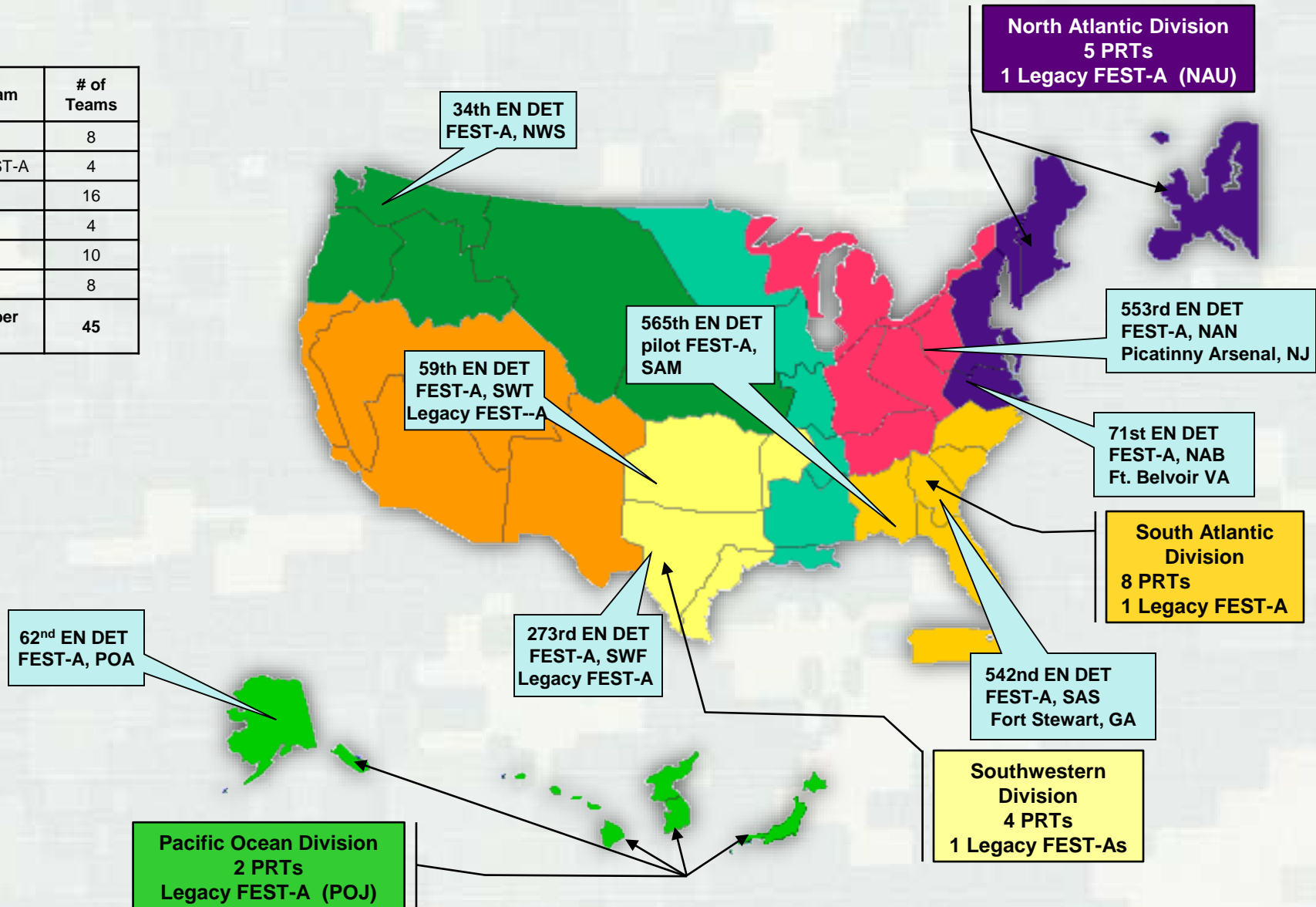
FFE Concept Plan Attributes:

- Provide technical engineering support to deployed forces
- Provide readiness oversight of FEST Teams.
- Embedded planning capability with select COCOM/ASCC
- MSC key role in manning of FEST Teams.
- Base technical engineering reachback capability with support required for significant requirements.
- Resources AFCS Program



Forward Engineering Support Teams

Type of Team	# of Teams
FEST-A	8
Legacy FEST-A	4
EnvST Pool	16
CREST	4
BDT	10
LST	8
Total Number of Teams	45



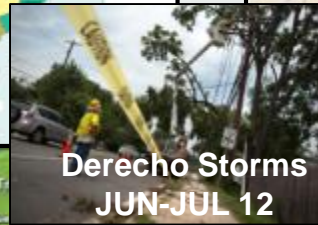
Key 2011/2012 Responses

Japan EQ & Tsunami - Mar 2011

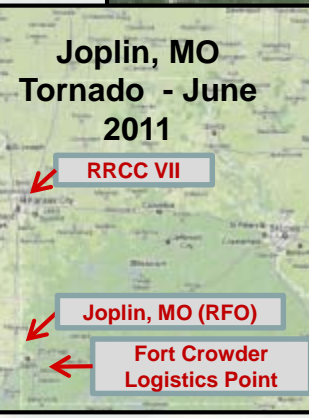
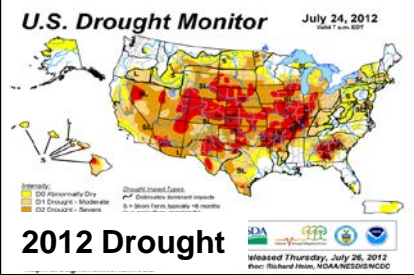
FEST Deployments
Jan - Mar 2011 &
OEF/OND

Queensland, Australia
Flood - Jan 2011

Christchurch, New Zealand
Earthquake - Feb 2011



Northeast Snow Storm
Oct 2011



Key 2013/2014 Responses

Winter Ice Storm
DEC 2013

FEST Deployments
AF & Jordan
2013



Marselles Dam APR 2013



MS River Rock
Pinnacles 2013



Galena, AK
May 2013



Lock and Dam 52
OCT 2013



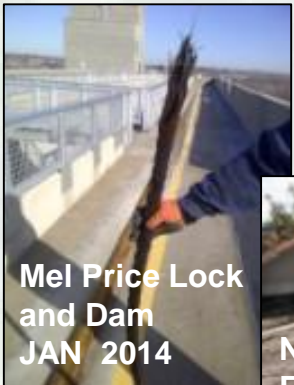
Oso, WA Mudslides
March 2014



Colorado Flash
Flooding 2013



Mel Price Lock
and Dam
JAN 2014



New Mexico
Flooding
SEP 2013



Rocky River
Ice Jams
JAN 2014



Midwest Spring
Flooding 2013



ASF System Status Update

Current Conditions
10 September 2013, 0900 hrs

LAKE OKECHOOBEE

Stage: 15.92 ft (Falling)

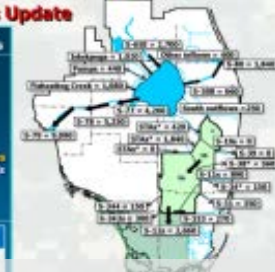
Structure Flow:
Total Inflow: 5,640 cfs
Total Outflow: 5,170 cfs

River Estimated Net Gains/Losses
Inlet Rain/ST/Others: -2,640 cfs

Target Outflow:
5-77: 4,050 cfs
5-89: 1,000 cfs

Area	Stage	Structure Flow (cfs)	Trend
W-01	18.07 ft	+0.76	Stable
W-02	12.96 ft	+0.39	Stable
W-03	10.12 ft	+1.37	Stable

Observations are in foot, NEGATIVE flows are in average daily cfs.
More detailed information please see the ASF System Status Report.



Lake Okechobee
Summer 2013

Operation United Assistance
2014



Typhoon Haiyan
NOV 2013



West, TX Fertilizer
Plant APR 2013



OK City Tornado May 2013



West Virginia
Chemical Spill
JAN 2014



2014/2015 Responses

Alaska Flood Support
(May 2013- Jan 2015)



Clark County, NV Flooding
(Feb 2014- Jan 2015)



Hurricane Anna (Oct 2014)



GUAM Typhoon Dolphin (May 2015)



Navajo Nation
Flood Support
(Jul 2014- Jan 2015)



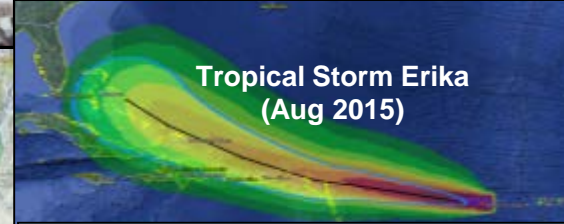
Hawaii Lava Flow
(Oct 2014)



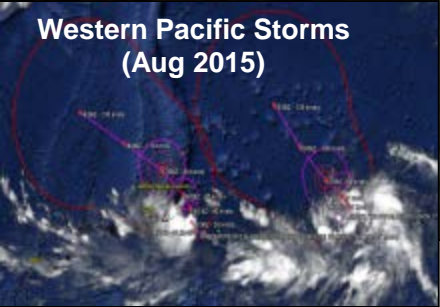
Washington Wildfires
(Jul- Dec 2014)
(Aug 2015)



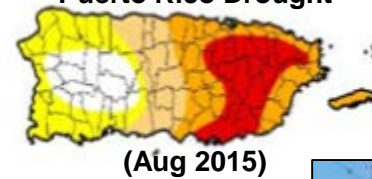
Tropical Storm Erika
(Aug 2015)



Western Pacific Storms
(Aug 2015)



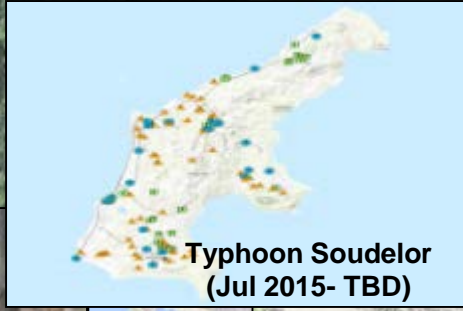
Puerto Rico Drought



Platte River Ice Jams
(Jan-Feb 2015)



Typhoon Soudelor
(Jul 2015- TBD)



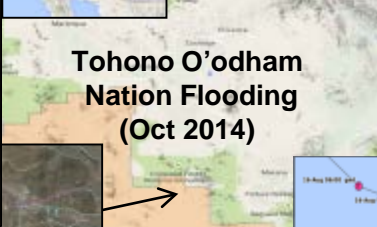
Typhoon Vongfong
(Oct 2014)



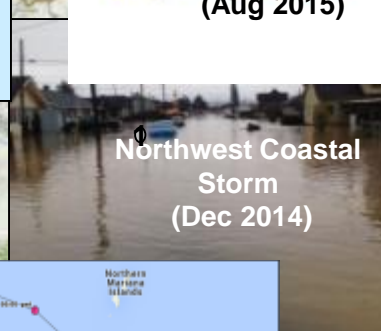
Western Washington
Flooding
(Nov-Dec 2014)



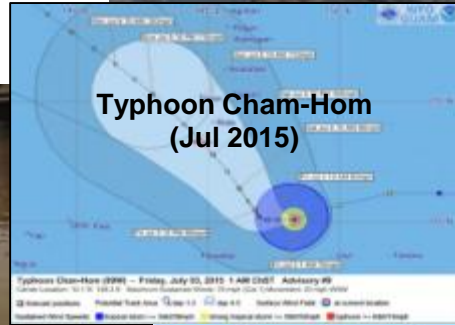
Tohono O'odham
Nation Flooding
(Oct 2014)



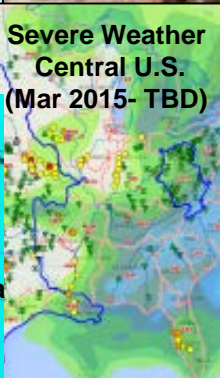
Northwest Coastal
Storm
(Dec 2014)



Typhoon Cham-Hom
(Jul 2015)



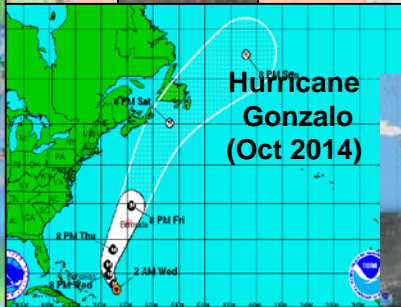
Severe Weather
Central U.S.
(Mar 2015- TBD)



Hurricane
Joaquin &
South Carolina
Flooding
(Oct 2015)



Hurricane
Gonzalo
(Oct 2014)



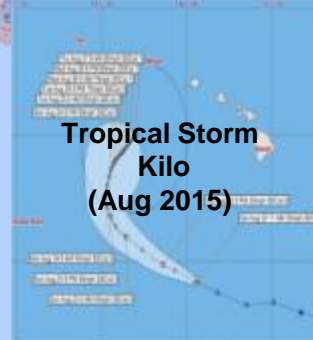
Typhoon Goni
(Aug 2015)



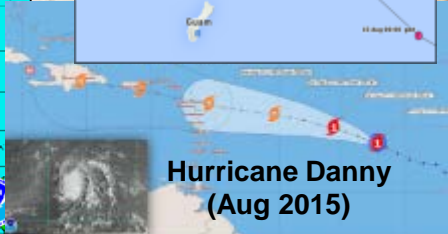
Northeast
Winter Storm
(Jan 2015)



Tropical Storm
Kilo
(Aug 2015)



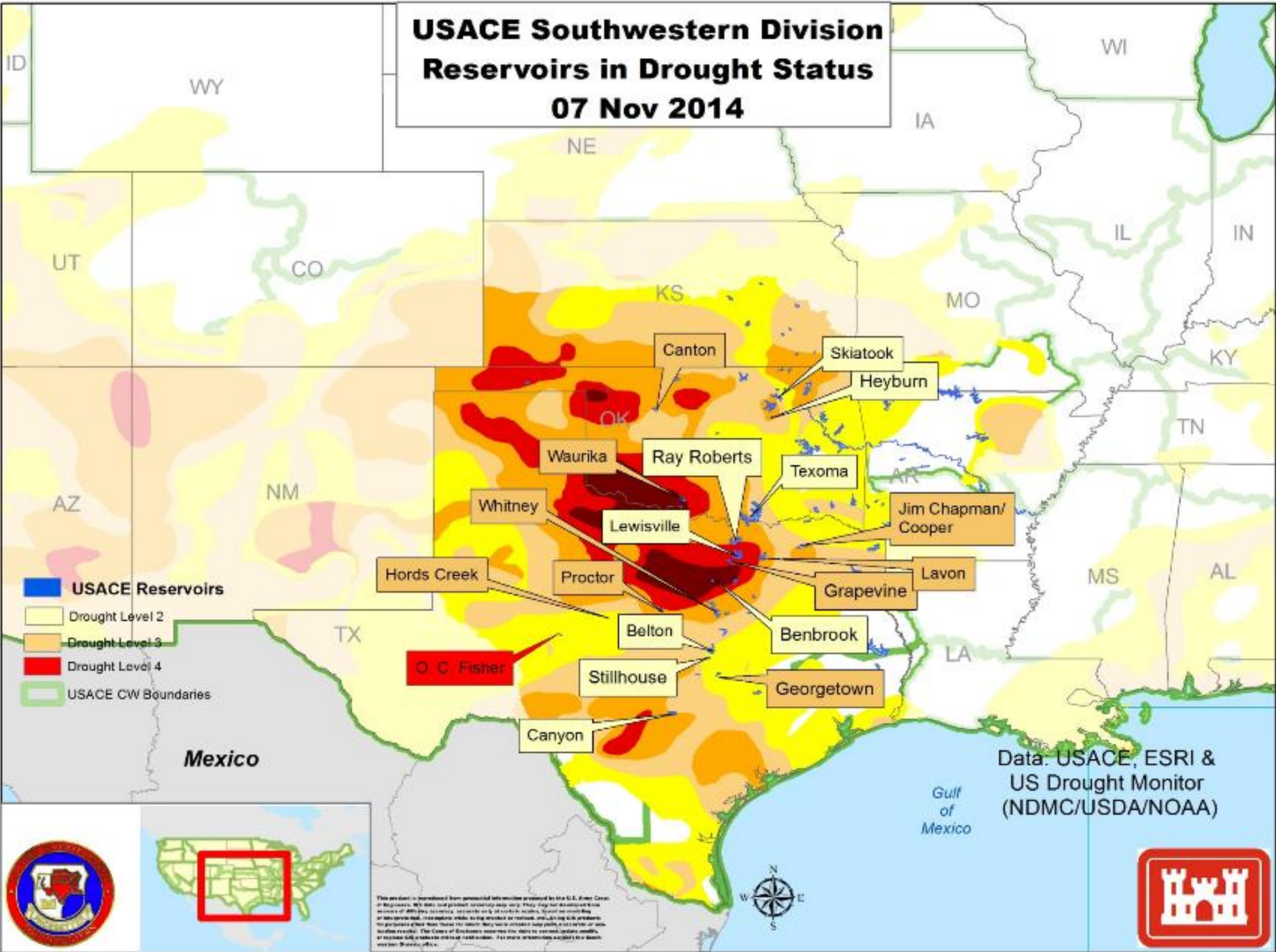
Hurricane
Danny
(Aug 2015)



USACE Southwest Division Reservoir Floodfight



USACE Southwestern Division Reservoirs in Drought Status 07 Nov 2014



Before and After the Rain May 2015



Dallas, Texas



Houston, Texas



SOUTHWESTERN DIVISION 2015 SPRING FLOOD



Across the Region

- Record rainfall in May bested the wettest month with statewide averages of more than:
 - 14.4 inches in OK,
 - 8.8 inches in TX.
- 51 flood control lakes in flood pool
- 23 flood control lakes in surcharge pool
- More than \$13 billion of damages prevented.



Southeast Flooding October 2015

USACE Dam Safety Engineer Support assessed 652 locally owned dams and re-assessed 75 additional highest concern dams. Excellent use of USACE technical dam expertise in support to the state of South Carolina and communities!



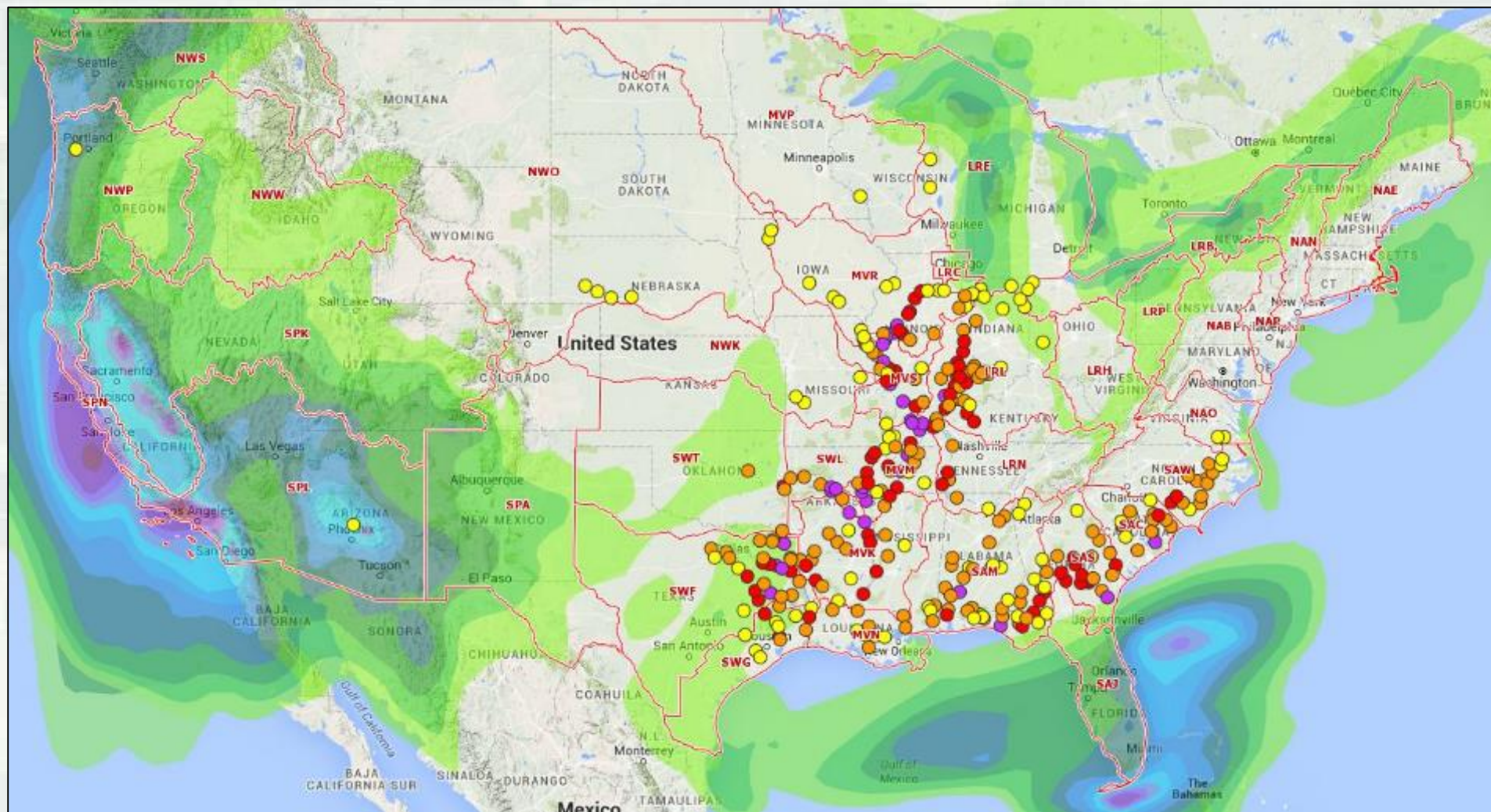
USACE provided coastal engineers to support FEMA's preliminary Damage Assessment Teams for non-federal engineered beaches to capture the damage/erosion from severe storms.

USACE Charleston District coordinated with FAA, FEMA, State of SC, Air Ops Division to conduct six critical

Unmanned Aerial Systems (UAS) flights 0-11 October as a FEMA mission to inspect private dams impacted by flooding in the Columbia area. Missions flown include 4 dams, Andrews Airport and an area hit hardest from the flooding. Imagery collected was utilized to create user interactive, three dimensional data.



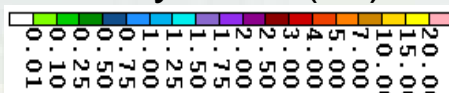
National – Forecasted Gauges and Rainfall 02 JAN 2016



Forecast Rivergauges (All)

- Forecast: Major
- Forecast: Moderate
- Forecast: Minor
- Forecast: Action

3 Day QPF (in.)

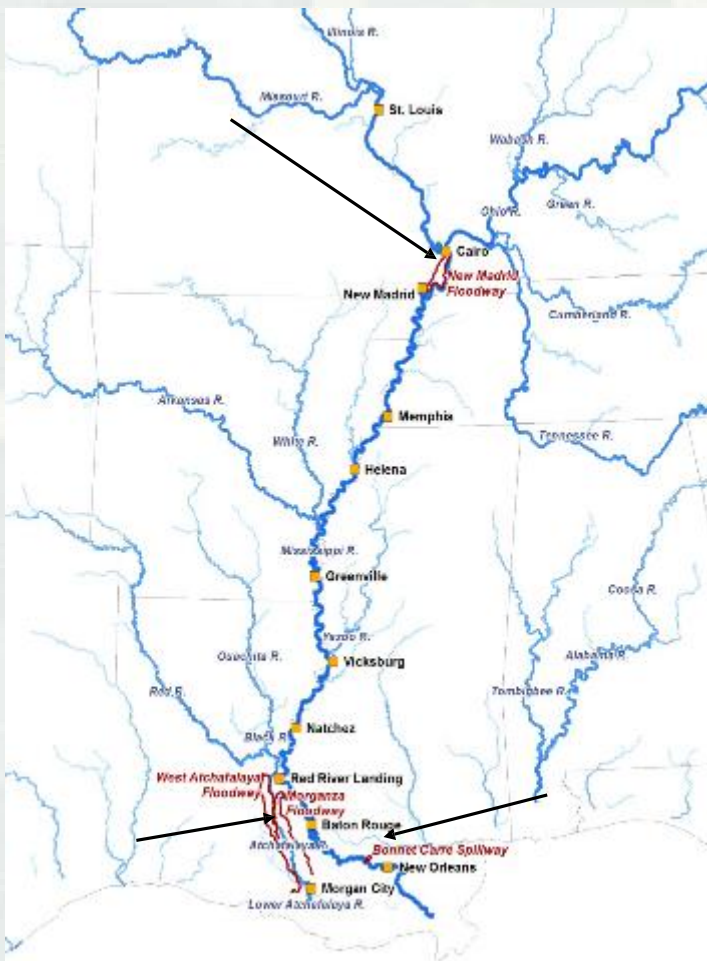




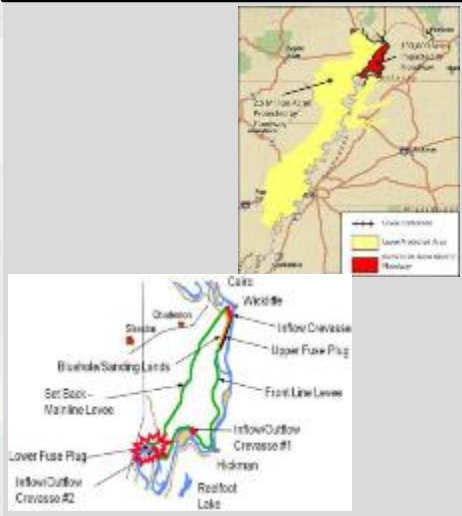
USACE Operations in the Mississippi River Valley

- The Mississippi River Watershed: world's 3rd largest & drains 41% of the U.S.
- USACE operates Flood Risk Management projects, comprised of dams, levees, channel stabilization, tributary improvements and floodways to enable navigation and protect life, property and industry throughout this basin.

- Most significant: Mississippi River & Tributaries (MR&T) Project - extends from Cape Girardeau, MO, to Venice, LA.
- Constructed cost of \$14 billion
- Prevented over \$612 billion in flood damages
- Protects 35,000 square miles of flood plain, where 4.5 million Americans live, and vital American energy, navigation, rail, and port facilities are located.



Birds Point/New Madrid Floodway



The Morganza Floodway



The Bonnet Carré Spillway



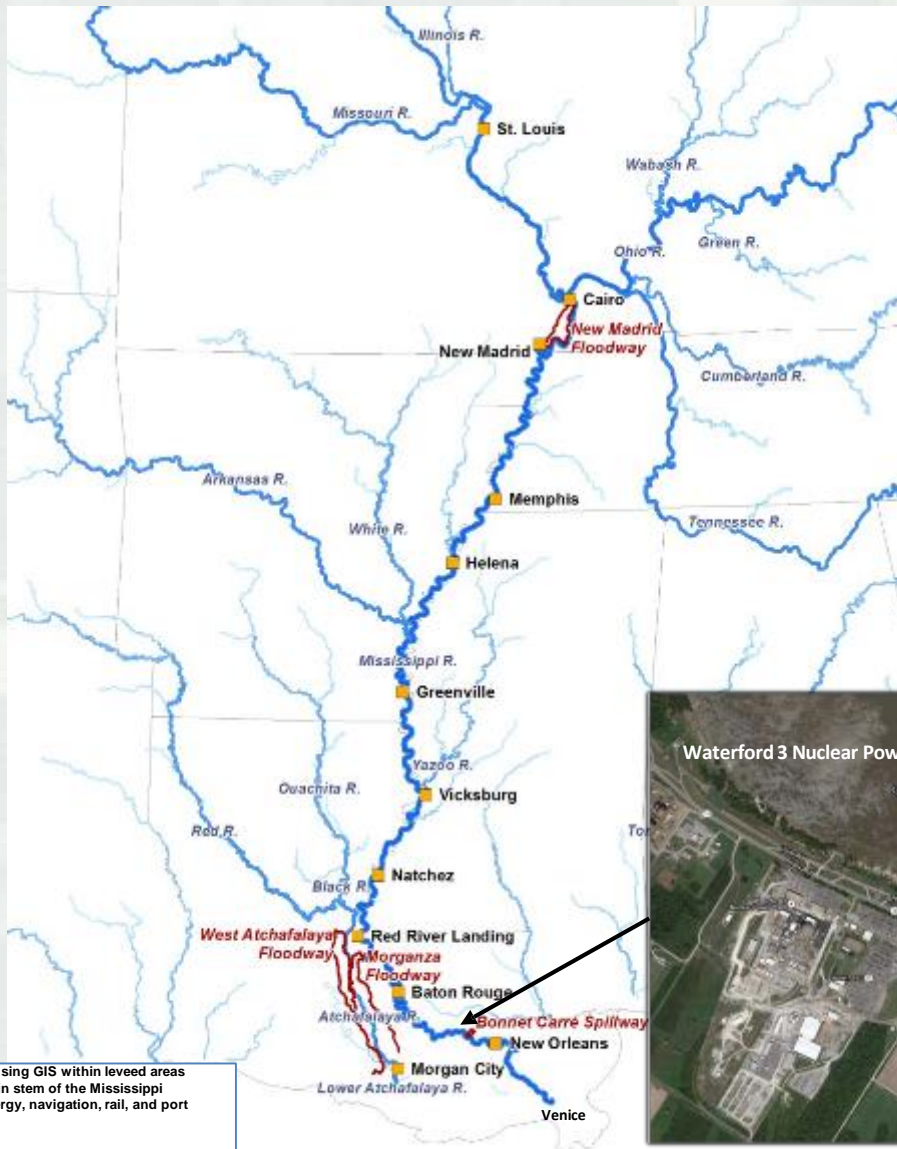


USACE Operations protecting Americans and commerce along the Mississippi River Valley



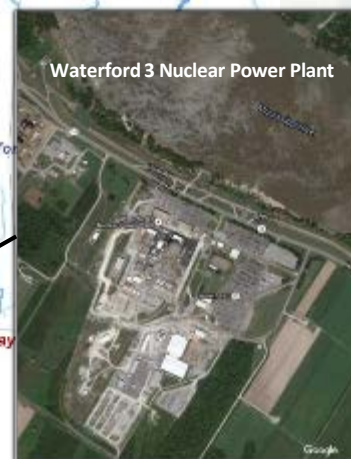
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Critical Infrastructure Within Leveed Areas	Counts
Airports	139
Broadcast Comm	247
Chemical Industries	678
Colleges Universities	75
Correctional Facilities	85
Electric Substations	434
Emergency Medical	90
Firestations	342
Firestations_EM	202
Fossil Fuel Power	160
Heliports	80
Hospitals	80
Hydro Power	8
Intermodal Shipping	51
Natural Gas Storage	3
Nuclear Power	1
Petroleum Bulk Stations	45
Police	288
Potable Water	22
Schools	1020
Wastewater Plants	34
Total Critical Infrastructure	4084



Population at Risk	4.5 million
Protected square miles	35,000
Value of Protected Property	\$531 Billion

USACE Flood Fight Support	
FCCE Funds issued (Mississippi River Support)	\$3,242,700
Sandbags issued	937,000
Pumps issued	12
Poly (Plastic) issued	510 Rolls
HESCOs issued	1200 feet
Sandbag Machines issued	2
Technical Assistance provided to:	MO, IL, IN, OH, TN, LA, MS, MS, TX, AR, OK



*This analysis was completed using GIS within leveed areas from Cairo South along the main stem of the Mississippi which are vital to American energy, navigation, rail, and port facilities.



USACE Partners w/the Army National Guard during the Mississippi River Flood Fight



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WHO: United States Army Corps of Engineers (USACE) & the Army National Guard (ARNG)

WHAT: Partnering during the Winter Flood Fight

WHERE: Missouri and Louisiana

WHEN: 6 JAN 2016 - present

WHY: America's Army in support of the American People



KEY LINES OF EFFORT:

- USACE local government liaisons teamed w/the Missouri ARNG to survey impacted communities in and around St Louis in order to assess post-flood debris removal requirements.
- USACE & Louisiana ARNG (LAARNG) Soldiers continue to patrol levees to spot signs of trouble as part of the USACE Vicksburg District flood fight efforts.
- LAARNG Soldiers to fill 9,225 ft of HESCO barriers provided by USACE prior to expected river flooding.
- USACE and LAARNG engaged in infrastructure protection effort of the Atchafalaya basin on the Bayou Chene Project along the Atchafalaya River.



KEY MESSAGES:

- America's Army is employing critical capabilities to protect people and property during the Mississippi River Flood Fight.
- USACE Technical Capabilities are a force multiplier to a fully engaged Army National Guard.



MVK: Michael Dale and Keith Gaskin of the Southeast Arkansas Lake Village Sector inspection team surveys an area of possible seepage to compare it to the river elevation.



MVN: Unmanned aerial of the Bonnet Carre' Spillway.



MVK: VAO night crew coordination with the Louisiana ARNG.



MVK: MAJ Shultz and Gov. John Bel Edwards (LA) meet at the Vidalia Convention Center.

Bayou Chene - Atchafalaya Backwater



USACE Assistance: State/Local Ops



Bayou Chene Closure

11 Jan 2016
1906 HRS

Rock Placement

- Provide 20,000 tons of stone to complete the Bayou Chene closure
- Cooperative Agreement executed: 11 Jan 16
- Contract Award: 12 Jan 16
- Contractor expected to begin placement by 15 Jan 16



Operational Level Scalable Response:

USACE Fwd Cell

- **Task:** Provide a forward presence for the USACE Commanding General (CG).
- **Purpose:** Enhance coordination with national/regional leaders and supporting or supported organizations.
- **METL:** **1)** Enhance coordination with national/regional leaders and forward elements of federal agencies. **2)** Report on progress of operations forward and key requirements. **3)** Provide timely and accurate reporting on status of operations forward. **4)** Provide immediate response and direction to USACE forward operations.
- **Equipment:** ECCV (DTOS)

LEVEL I (Basic day) :

Source	Personnel	Rank/Grade
HQ	TF OIC	MG
HQ	Deputy TF OIC	COL
HQ	ESF #3 Cadre	GS
HQ	Ops Officer/ Analyst	O4-5
HQ	Ops Analyst	CPT/Aide
HQ	Congressional LNO	GS
HQ	PAO (Public Affairs)	GS
DTOS	C4I Specialist	ECCV-TM
DTOS	C4I Specialist	ECCV-TM

LEVEL II (Limited Night) : Add capacity

Source	Personnel	Rank/Grade
HQ/MSC	Ops Officer	O4-5
AUGMENTEE	Ops/Analyst	O3-4

LEVEL III (Extended 24/7 Capability) : Add

LEVEL II (Limited Night) : Source	Personnel	Rank/Grade
HQ/MSC	Ops Officer	O4
HQ/MSC	Ops Analyst	O3
HQ	ESF #3 TL/ATL	GS

Planning for Complex Catastrophes

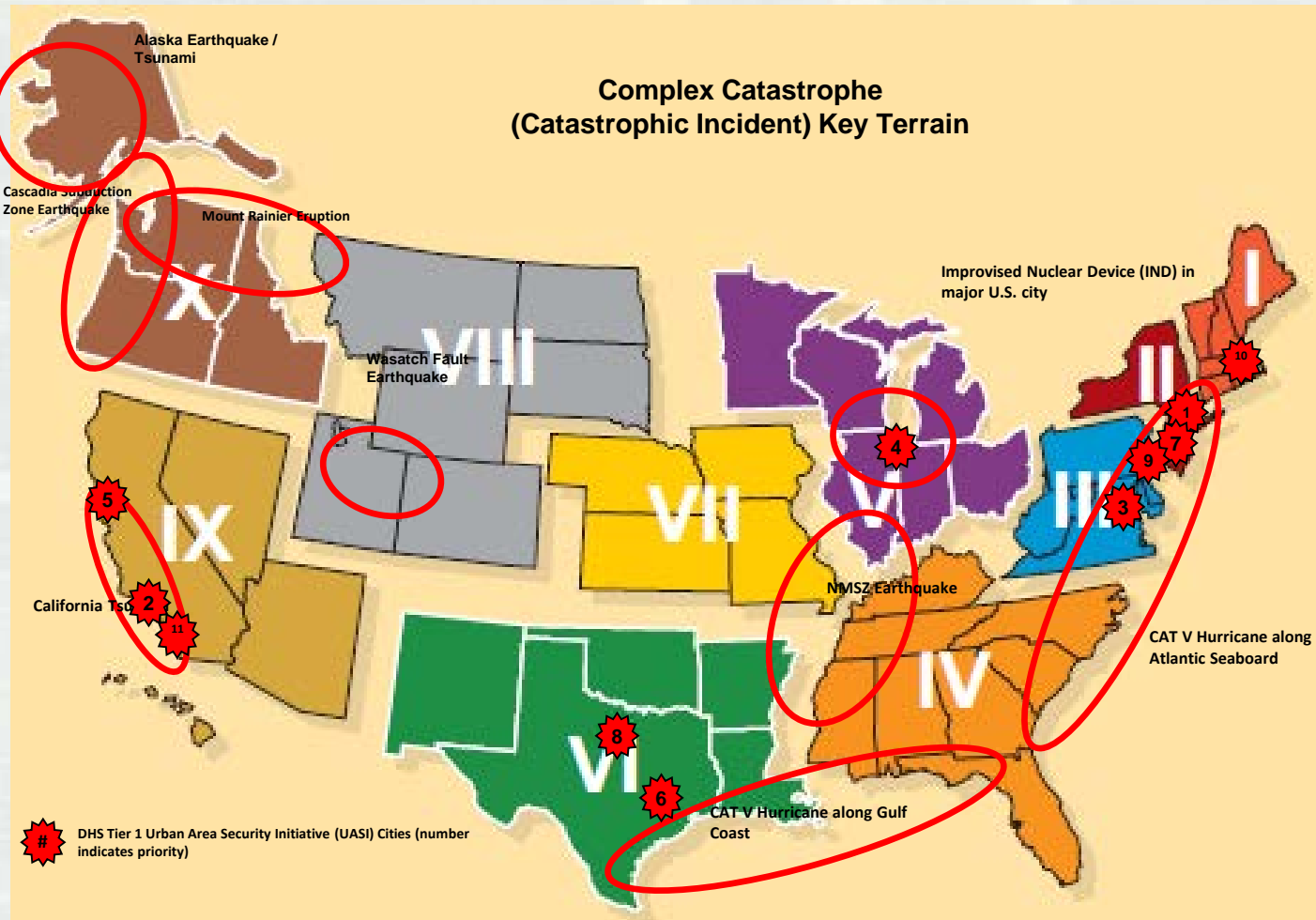
State Planning

State Emergency Mgt (EM) Plans
City/County EM Plans
National Guard JFHQ-State Plans

Other Multi-State Planning

HRF Regional Response Plans
Central US EQ Consortium (CUSEC)
New Madrid Seismic Zone (NMSZ)

National Planning: Department of Homeland Security, Department of Defense, member federal agencies



Playbook Concept Overview

End State: An initial playbook for each of selected complex catastrophe (catastrophic incident) scenario for the first 7 days of response.

Command and Control

Number, level, and size of operational HQs and command relationships to maintain unity of effort with a large National Guard force under the direction of the Governor(s).

Initial Operating Forces

Identifies the initial DoD capabilities anticipated to be needed to save lives, sustain lives, or to rapidly provide critical enabling capabilities based on identified gaps.

Authorities

Identifies the authorities required for Commander, NORTHCOM to expedite the response.

Logistics

People, equipment, supplies, staging bases, movement and travel

Critical Infrastructure

Local/State critical infrastructure, National critical infrastructure, and Defense critical infrastructure for protection or rapid response to minimize cascading effects.

Details to be developed with States and FEMA . . . informed by agreed upon assumptions . . . and ending with agreement by FEMA, Governor(s) and DoD

Summary

- **USACE** is **trained and ready** to deploy capabilities to support Contingency Operations both domestically and OCONUS.
- **USACE** is actively engaged in **reducing disaster risks** by:
 - **PREPARING** to **RESPOND** to natural and man-made disaster
 - Assisting in short and long term **RECOVERY**
 - Working with federal partners, state and local governments, NGOs, and Tribes in developing **MITIGATION** strategies and solutions
 - Improving **RESILIENCE** and decreasing vulnerability to all USACE infrastructure



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US Army Corps of Engineers
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Imagery Date: 28 1445Z OCT 12

BACKGROUND INFO



Gee Whiz Facts

- Over last 3 years, over 1700 personnel deployed, over \$71 Million in contingency response efforts, impacted multiple states in the U.S., 41 major disaster declarations, total 88 events to include USACE's own authority
- The FEST-A and FFE Enablers provide trained and ready operating force technical engineering capability to the CCMDs
- Met 27 USACE FEST-A requirements and assisted 3 Reserve FEST Teams by providing FFE enablers, OCO support was \$104 million



CONUS Roofing Contracts

REGION	CONTRACTOR/POC	AMOUNT	BASE YEARS
Texas to Maine	ThomCo Enterprises Inc. – SDVO	\$50M	05 JAN 2011 3 yr base + 2 opt yrs
Texas to Maine	Enfield Enterprises, Inc. – HUBZone	\$50M	25 MAR 2011 3 yr base + 2 opt yrs
Texas to Maine	ESA South, Inc. SDVO	\$45M	1 JUN 2014 2 yr base + 3 opt yrs
Texas to Maine	Artesian Contracting Company, Inc. – HUBZone	\$45M	01 JUNE 2014 2 yr base +3 opt yrs
Texas to Maine	S&M and Associates, Inc. – SB	\$45M	01 JUNE 2014 2 yr base + 3 opt yrs
Texas to Maine	T. L. Wallace Construction Inc. – Unrestricted	\$45M	01 JUNE 2014 2 yr base + 3 opt yrs
Texas to Maine	Enfield Enterprises, Inc. – HUBZone	\$45M	01 JUNE 2015 2 yr base + 3 opt yrs
Texas to Maine	Ironclad Services, Inc.- SDVO	\$45M	01 JUNE 2015 2 yr base + 3 opt yrs
Texas to Maine	Coleman Construction – EDWO	\$45M	12 JUNE 2015 2 yr base + 3 opt yrs
Texas to Maine	Barlovento, LLC – Unrestricted	\$45M	01 JUNE 2015 2 yr base + 3 opt yrs
FEMA REGION IV	A-Vet Roofing & Construction, LLC - 8(a)	\$10M	1 JUN 2014 2 yr base +3 option yrs
FEMA REGION VI	Artesian Contracting Company, Inc. – 8(a)	\$10M	01 JUNE 2014 2 yr base +3 option yrs

OCONUS Roofing Contracts

REGION	CONTRACTOR/POC	AMOUNT	BASE YEARS
Hawaii	T. L. Wallace Construction Inc. – Unrestricted	25M	01 AUGUST 2014 2 yr base + 3 option yrs
Puerto Rico	Ceres Environmental Services, Inc	\$25M	25 JUN 2015 2 yr base + 3 option yrs
US Virgin Islands	GEC, LLC	\$25M	15 JUN 2015 2 yr base + 3 option yrs
Guam / CNMI	Omni Pinnacle, LLC	\$10M	01 APR 2011 3 yr base +2 option yrs

Re-solicitation will be in 2019 & 2020

Temporary Roofing Hotline Contract

REGION	CONTRACTOR/POC	AMOUNT	BASE YEARS
CONUS	ADI Contract Solution, LLC	Varies	1 AUG 2014 1 yr base + 4 option yrs

