## Kansas and Silver Jackets: Reducing Flood Risks through Coordination, Planning, and Action

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# Background: KDWR's regulatory responsibilities

- KS Stream Obstruction Act and Levee Law require permits from the Chief Engineer for activities modifying the state's streams and floodplains including: dams, levees, other "stream obstructions".
- Chief Engineer required to review and approve floodplain zoning ordinances before their adoption by local governing bodies.

## Background: KDWR's involvement in the NFIP

- In 1970, the Governor designated KDWR as the state coordinating agency for the National Flood Insurance Program
- We have three grants from FEMA to:
  - provide technical assistance to communities to help them develop proper floodplain-related ordinances
  - ► regular training in NFIP
  - ▶ improve and distribute floodplain mapping



## **Kansas Hazard Mitigation Team**



- Co-led by the KS Division of Emergency Management (KDEM, part of Adjutant General's office ) and KS Division of Water Resources (KDWR) through the
  - ► State Hazard Mitigation Officer (KDEM) and
  - ► State National Flood Insurance Program Floodplain Coordinator (KDWR)
- Other federal participation includes Corps of Engineers, FEMA, National Weather Service, US Geological Survey, NRCS and others
- Other state participation includes the Kansas Water Office and others and the KHMT

Regional Interagency Steering Committee

## Kansas Hazard Mitigation Team

#### The team focus:

- Identify potential mitigation actions
- Develop strategies for implementing mitigation actions

#### Current priorities:

- Maintain State Hazard Mitigation Plan Updates
- Prioritize mitigation actions across KS
- Provide technical assistance for emergency managers in maintaining local hazard mitigation plans

USACE Silver Jackets and the KHMT Regional Interagency Steering Committee

#### National Flood Risk Management



Planning • FMPS / PAS • Levee and Dam Safety FRM Business Line • FRM PCX • Regulatory Environmental • R&D • International • Coastal

FEMA • DOI • EPA • NOAA / NWS

NOAA CSC • USBR • HUD • USDS • DHS

NRCS • Tribes • States • Locals

<u>Silver Jackets</u> • IFRMC • FIFM-TF • ILTF / RFRMT Roundtables • Regional FRM Teams • CERB

> EO 11988 • PL 84-99 • Section 404 Unified National Plan • Risk MAP Disaster Response • Mitigation

Land Use Planning / Zoning • Emergency Services
Contingency Response • Evacuation • Flood Fighting
Water Resources Management • Building Codes
Floodproofing • Environmental Protection



### Silver Jackets



# What is SILVED JACKETS?

**Silver Jackets** is the US Army Corps of Engineers (USACE) Civil Works program enabling participation in the states' hazard mitigation teams. This is about collaboration between USACE, the Federal Emergency Management Agency, and other federal, state and local agencies to create an interagency team at the **state** level to develop and implement solutions to state **natural hazard** priorities.

The **Silver Jackets Program** provides a formal and consistent strategy for an interagency approach to planning and implementing measures to reduce the risks associated with natural hazards.

Many Agencies - One Solution - Be Risk Aware!



## **Background**



#### The program's desired outcomes are

- Reduced flood risk
- Improved situational awareness, where agencies better understand and leverage each other's programs
- Collaboration between various agencies, coordinated programs, cohesive solutions
- Multi-agency technical resource for state and local agencies
- Mechanism for establishing relationships to facilitate integrated solutions post-disaster



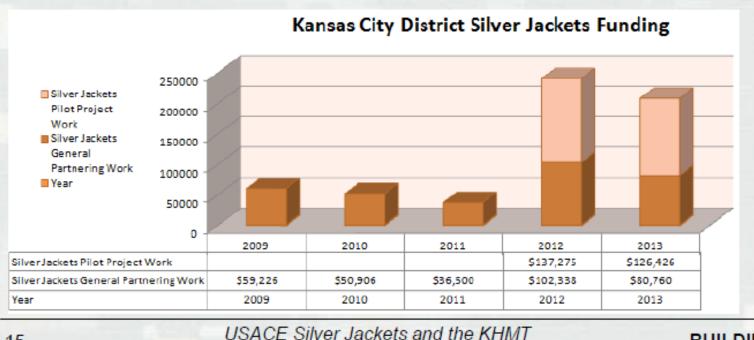


## Silver Jackets in KC District



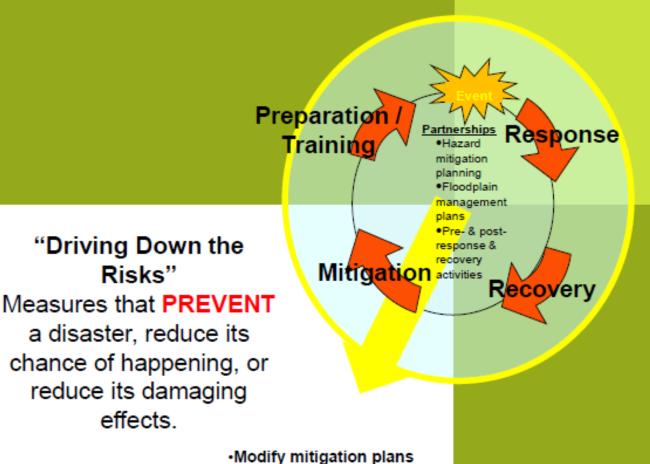
#### Accomplishments with hazard mitigation team

- Steady presence in state hazard mitigation team meetings since 2009
- Regular "Status Update" reports (originally for upward reporting)
- Invitational Travel Orders (ITOs) to FRM workshop, 3 years in a row
- ITOs to Natural Hazards workshops
- ▶ Pilot Projects: 3 (as of Dec 2012)





### Flood Risk Management with Floodplain Management Plans / Planning



Identify future mitigation opportunities

Develop system improvements



#### Silver Jackets Projects in Kansas



#### Wildcat Creek, Manhattan, KS

- a floodplain management plan
- flood forecast inundation mapping

#### Cross Creek, Rossville, KS

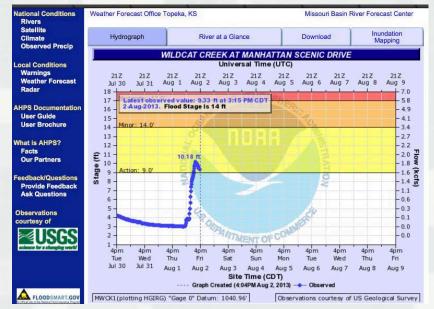
flood forecast inundation mapping

#### Missouri River Inundation Maps, Leavenworth, KS

- flood inundation mapping
- development of a process for consistent FIM for remainder of Missouri River

## Big Blue River, Riley and Pottawatomie Counties

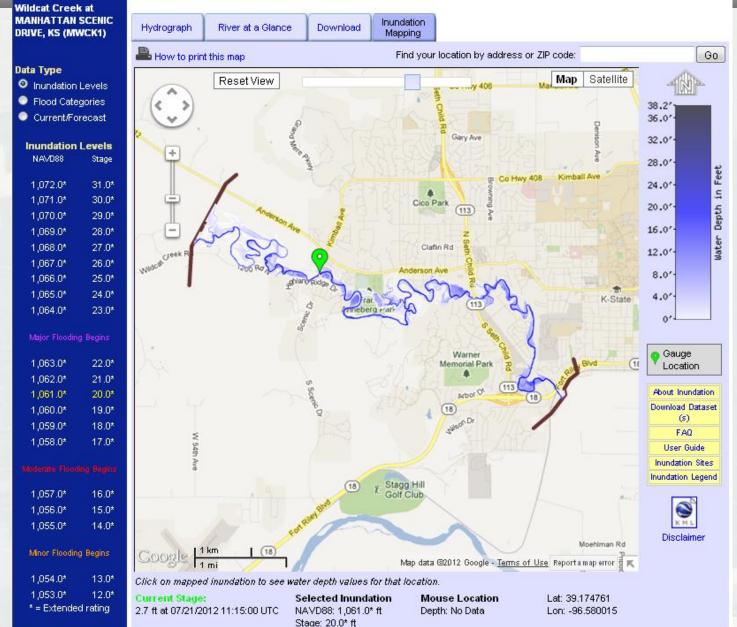
- a floodplain management plan
- flood forecast inundation mapping below a dam
- future conditions inundation mapping





#### **NWS Advanced Hydrologic Prediction Service**

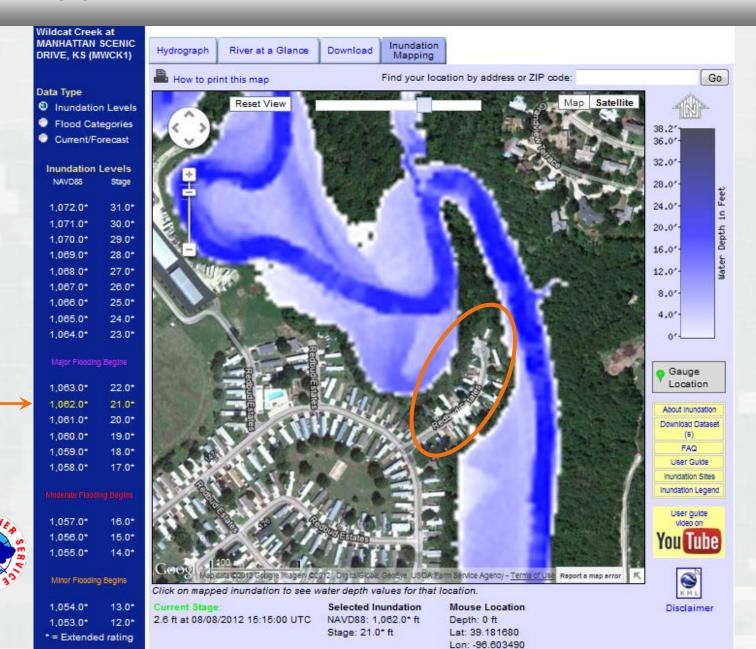






#### Application for the Mobile Home Park

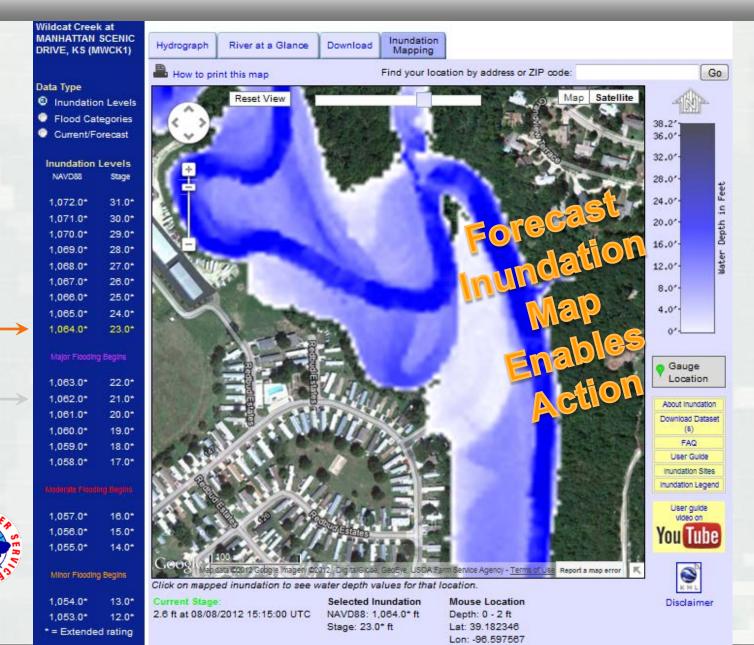






#### Application for the Mobile Home Park





## Questions?

## Kansas Hazard Mitigation Team

#### Proposed ideas

- Pilots for Planning Assistance to States: Drought hazard
- Revise website and use internal functions
- SimSuite webviewer for sharing project information
- Assist state teams in encouraging FEMA Community Rating System
  - survey to better engage communities
- Annual flood summit
  - Possibly in Kansas City
  - Multiple agencies
  - Intended for local and county officials across the Midwest
  - Coincide with NWS Flood Awareness Week

