

Flood Hazard & Risk Management

Federal Support for State and Local Efforts



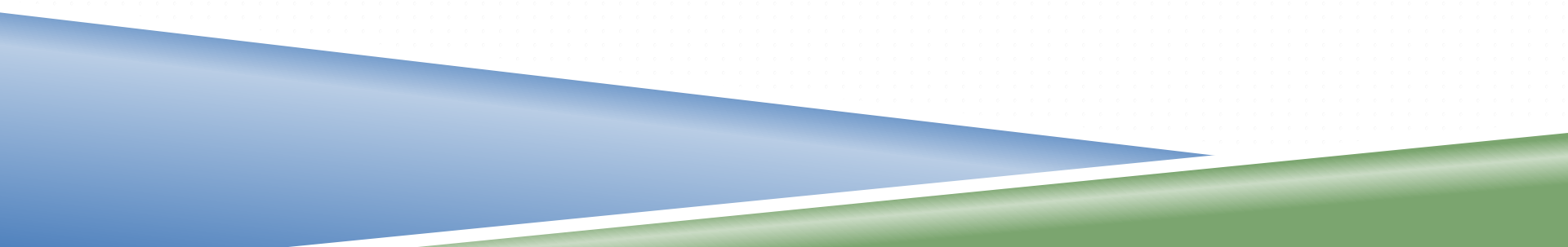
Tuesday, September 24, 2013
AWSE 86th Annual Fall Meeting

Mike Johnson Ph.D. P.E., Asst. Dir., AzDWR
State Member, National Dam Safety Review Board
President-Elect, Association of State Dam Safety Officials

Risk Management Components

- ▶ Flood Control and Infrastructure
- ▶ Development in Floodplains
- ▶ Safety of Dams and Levees
- ▶ Emergency Management

Recent emphasis on better coordination and improved information sharing



Primary Federal Support

- ▶ Federal Emergency Management Agency (FEMA) – Insurance & Mitigation Administration
 - ▶ <http://www.fema.gov/what-mitigation/federal-insurance-mitigation-administration>
- ▶ US Army Corps of Engineers (USACE) – Flood Risk Management Program
 - ▶ <http://www.iwr.usace.army.mil/Missions/FloodRiskManagement/FloodRiskManagementProgram.aspx>

FEMA Federal Insurance & Mitigation Administration

▶ Risk Analysis Division

- ▶ Flood Map Modernization, including CTP
- ▶ National Dam Safety Program
- ▶ Multi-Hazard Mitigation Planning

▶ Risk Reduction Division

- ▶ Hazard Mitigation Grant Program (HMGP)
- ▶ Flood Mitigation Assistance (FMA) and Pre-Disaster Mitigation (PDM)
- ▶ Severe Repetitive Loss (SRL) and Repetitive Flood Claims (RFC)
- ▶ Community Rating System (CRS)
- ▶ Floodplain Management and Community Assistance Program

▶ Risk Insurance Division

- ▶ National Flood Insurance Program (NFIP)

FEMA Programs

- ▶ Public Awareness and Information
 - ▶ <http://www.ready.gov/floods/>
- ▶ Flood Insurance
 - ▶ <http://www.floodsmart.gov/>
- ▶ Risk MAP (Mapping-Assessment-Planning)
 - ▶ <http://www.fema.gov/risk-mapping-assessment-planning>

FEMA Programs contd.

▶ Dam Safety

▶ <http://www.fema.gov/about-national-dam-safety-program>

▶ Multi-Hazard Mitigation Planning

▶ <http://www.fema.gov/multi-hazard-mitigation-planning>

▶ Flood Response and Recovery

▶ <http://www.usa.gov/flooding.shtml>

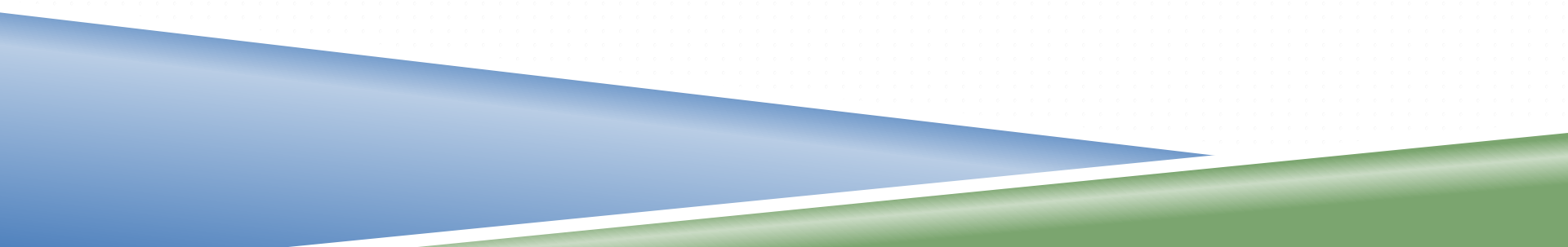
National Flood Insurance Program

- ▶ Providing means for property owners to financially protect themselves.
- ▶ State Support Services Element (CAP-SSSE) Program Grant
 - ▶ 75:25% (Fed:State) cost share
 - ▶ <http://www.fema.gov/floodplain-management/community-assistance-program-state-support-services-element>

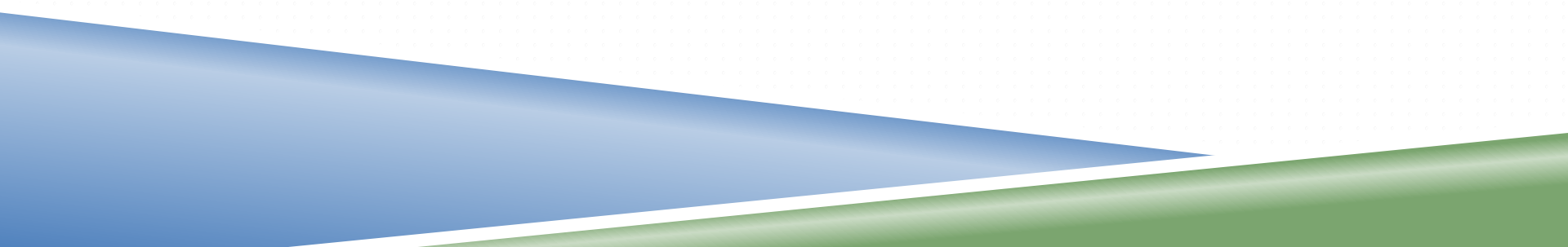
Risk MAP

- ▶ Delivering quality flood hazard information to increase awareness and result in actions that reduce risk.
- ▶ State and Local Assistance
 - ▶ Cooperating Technical Partner Agreements for Mapping and Related Activities
 - ▶ <http://www.fema.gov/cooperating-technical-partners-program>

National Dam Safety Program

- ▶ National Dam Safety Information
 - ▶ <http://www.fema.gov/information-needs-dam-safety>
 - ▶ State Assistance Grants
 - ▶ <http://www.fema.gov/grant-assistance-states>
 - ▶ Training for State and Local Staffs
 - ▶ Research, Publications & Resources
- 

National Dam Safety Program contd.

- ▶ National Dam Safety Review Board (NDSRB)
 - ▶ Chaired by FEMA
 - ▶ Membership: 5 Federal, 5 State, Industry, and a Dam Owner
 - ▶ Interagency Committee on Dams (ICODS)
 - ▶ Chaired by FEMA
 - ▶ Membership: 10 Federal Departments and Agencies
- 

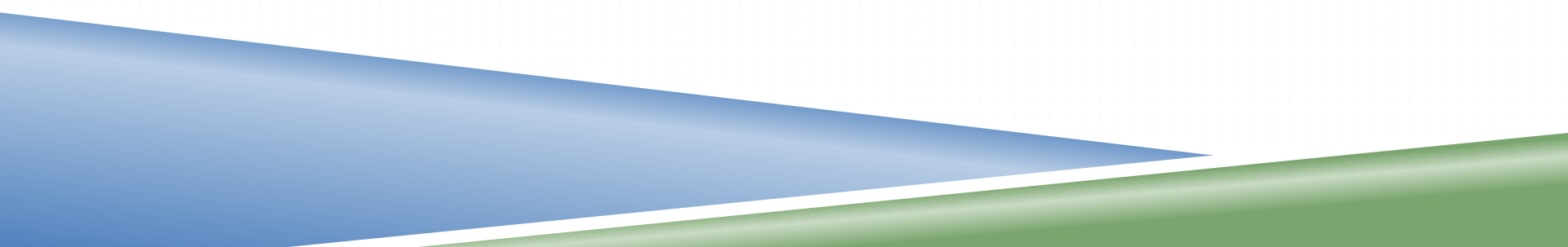
Hazard Mitigation Programs

- ▶ Multi-Hazard Mitigation Planning
 - ▶ Identifying policies and actions to reduce risk and losses
 - ▶ <http://www.fema.gov/multi-hazard-mitigation-planning>
- ▶ Hazard Mitigation Grant Program
 - ▶ Long-term mitigation following disaster event
 - ▶ <http://www.fema.gov/hazard-mitigation-grant-program>

Hazard Mitigation Programs contd.

- ▶ Pre-Disaster Mitigation Grant Program
 - ▶ Mitigation prior to a disaster event
 - ▶ <http://www.fema.gov/pre-disaster-mitigation-grant-program>
- ▶ Flood Mitigation Assistance Program
 - ▶ Reducing claims under NFIP
 - ▶ <http://www.fema.gov/flood-mitigation-assistance-program>

USACE Flood Risk Management Program (FRMP)

- ▶ FRMP works across the agency to focus policies, programs and activities towards reducing overall risks of loss of life and economic damages, and improving the natural environment.
 - ▶ Structural approaches (e.g. levees & floodwalls)
 - ▶ Non-structural approaches (land acquisition, flood proofing, etc.)
- 

USACE Flood Risk Management



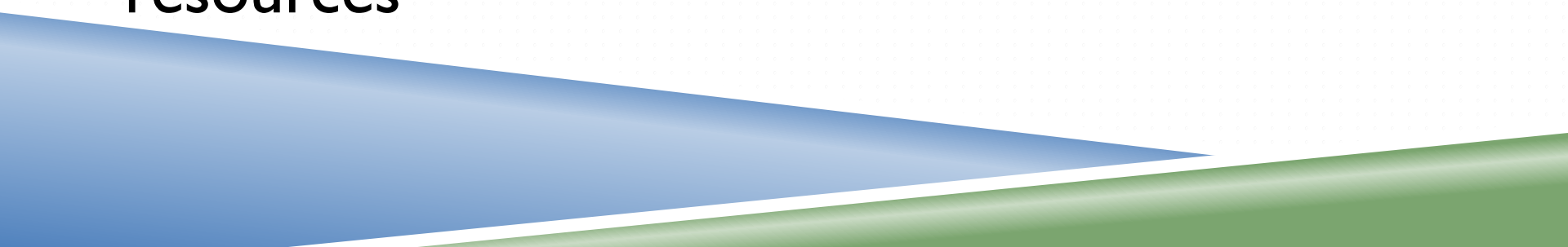
USACE Programs

- ▶ Dam Safety Program
 - ▶ Managing portfolio of 694 dams
 - ▶ National Inventory of Dams (NID)
 - ▶ <http://www.usace.army.mil/Missions/CivilWorks/DamSafetyProgram.aspx>
- ▶ Levee Safety Program
 - ▶ Purpose: Understand, manage, and reduce flood risks
 - ▶ National Inventory of Levees (NIL) & Levee Database
 - ▶ <http://www.usace.army.mil/Missions/CivilWorks/LeveeSafetyProgram.aspx>

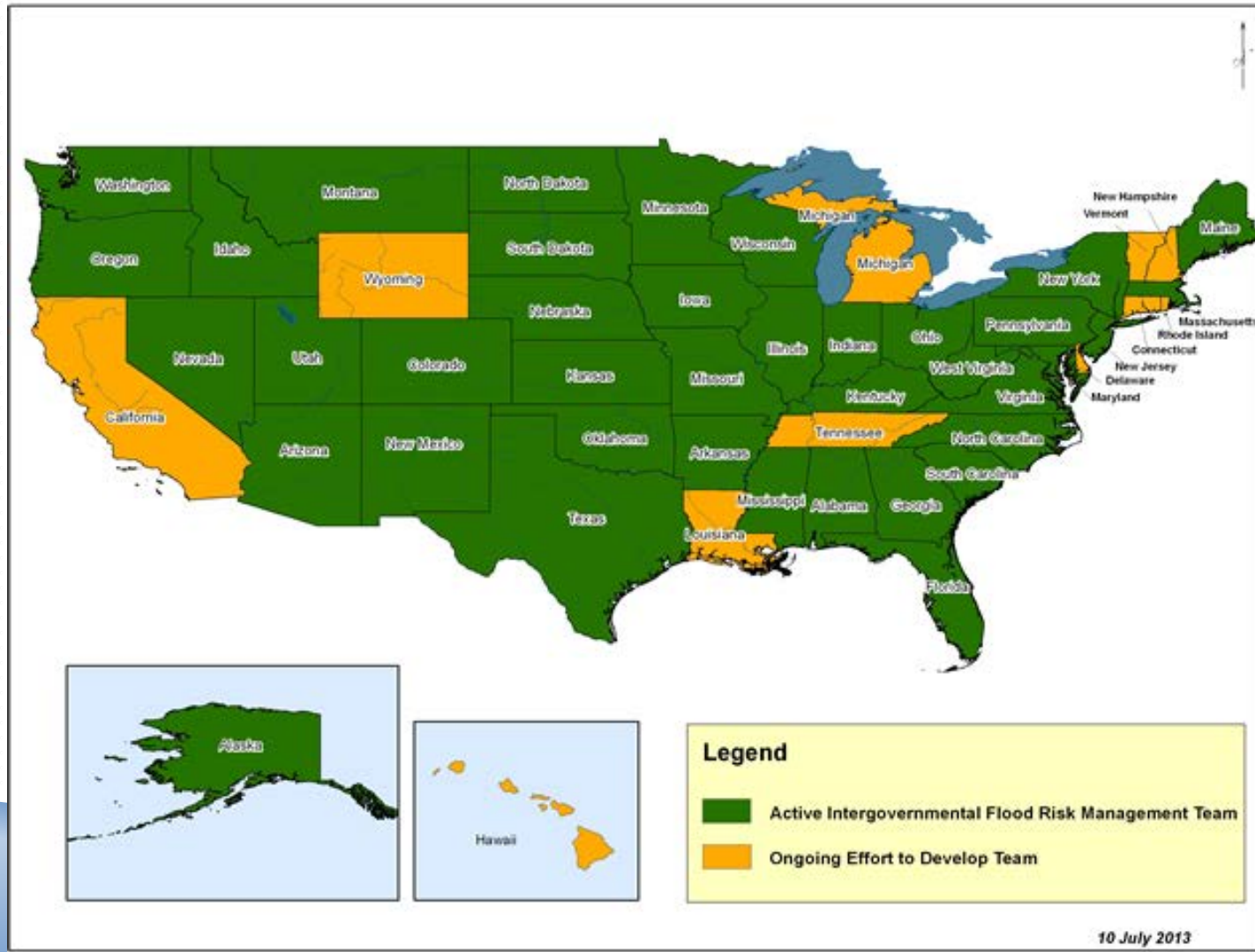
USACE Programs contd.

- ▶ Flood and Coastal Flood Risk Reduction Program
 - ▶ <http://chl.erdc.usace.army.mil/fcsdr>
- ▶ Non-Structural Measures Committee
 - ▶ <http://www.usace.army.mil/Missions/CivilWorks/ProjectPlanning/nfpc.aspx>
- ▶ Silver Jackets Program
 - ▶ <http://www.nfrmp.us/state/>

Silver Jackets

- ▶ As of March 2013, 31 active State Teams comprised of USACE, FEMA, State Agencies and other Federal Agencies.
 - ▶ Collaborative assessments of risks, priorities and solutions.
 - ▶ Unified efforts for improved communication
 - ▶ Leveraging of disparate information and resources
- 

Active Silver Jacket Teams



Arizona's Silver Jackets Team

Federal Participation

- ▶ FEMA Region IX, Flood Mitigation
- ▶ USACE SPL Flood Risk Program Manager
- ▶ NRCS and NOAA (expressed interest as extended members).

Non-Federal Participation

- ▶ Arizona Division of Emergency Management
- ▶ Arizona Department of Water Resources

Charter

A draft charter was previously developed and reviewed by ADWR and ADEM that will be moved forward and executed in 2013.

Arizona's Silver Jackets Team contd.

Current Priority

- ▶ Flood Recovery for Schultz Fire where in June 2010 15,000+ acres of Forest Service Land burned
- ▶ July 2010, Governor Brewer declared a state of emergency
- ▶ October 2010, President Obama declared the area a federal emergency
- ▶ Flood risk remains high for approximately 1,500 structures for years to come, particularly in summer monsoon season

Silver Jackets Webinars Week

- ▶ August 20 - 22, 2013
- ▶ USACE hosted a series of webinars for flood risk management professionals to share their knowledge and experiences.
- ▶ Agenda and Presentations available for download
 - ▶ <http://www.nfrmp.us/frmpw/2013webinarweek/index.cfm>

NGO Support Organizations

- ▶ Association of State Floodplain Managers (ASFPM)
 - ▶ <http://www.floods.org/>
- ▶ Association of State Dam Safety Officials (ASDSO)
 - ▶ <http://www.damsafety.org/>
- ▶ National Emergency Management Association (NEMA)
 - ▶ <http://www.nemaweb.org/>

Thank You

▶ Questions?