

US ARMY CORPS OF ENGINEERS “USACE & SILVER JACKETS”

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05 September 2018

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ORGANIZATIONAL STRUCTURE



Assistant Secretary of the
Army (Civil Works)
Washington, DC

Headquarters
Washington, DC

Division
9 Regional Offices

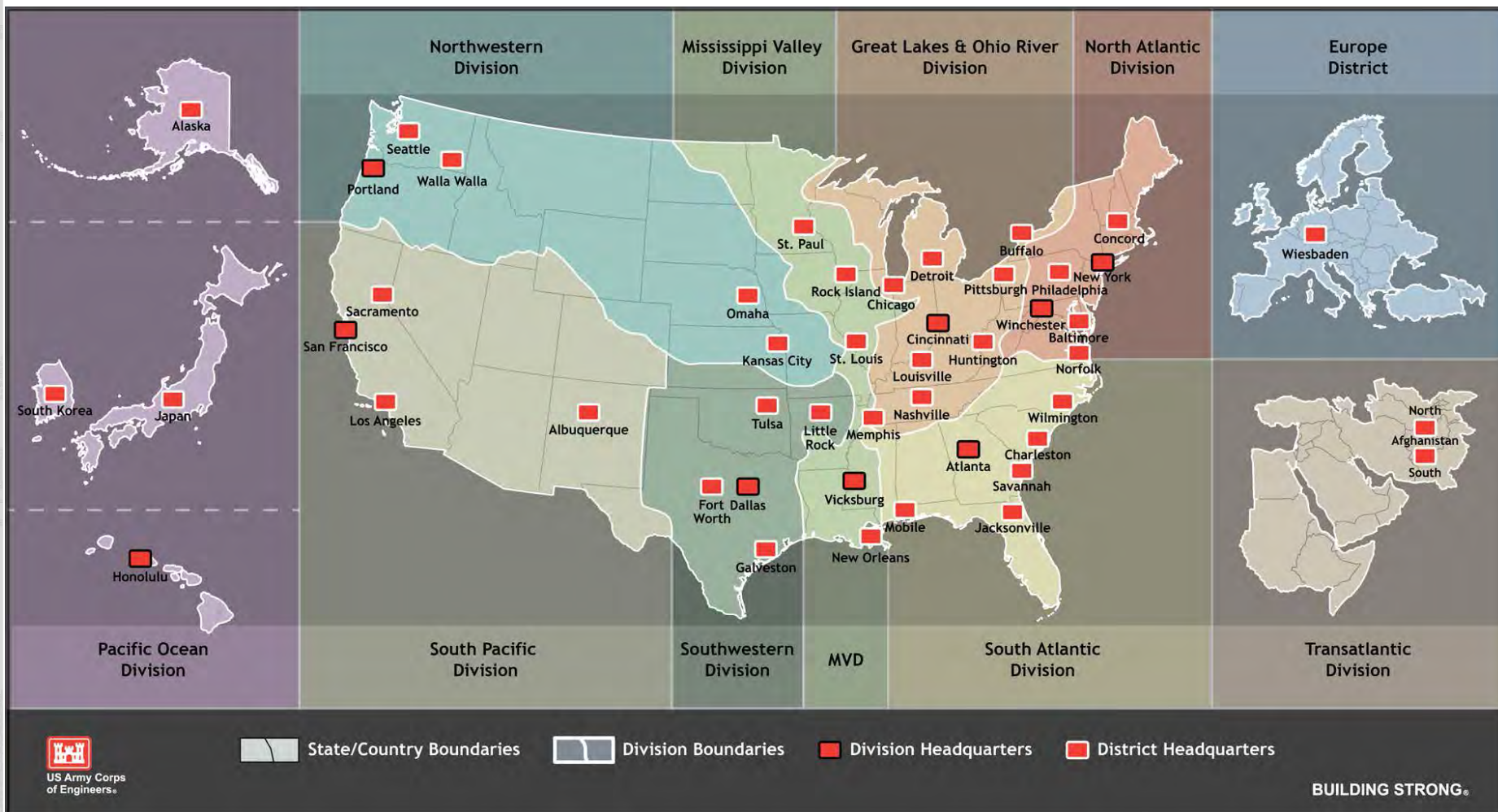
District
43 Local Offices



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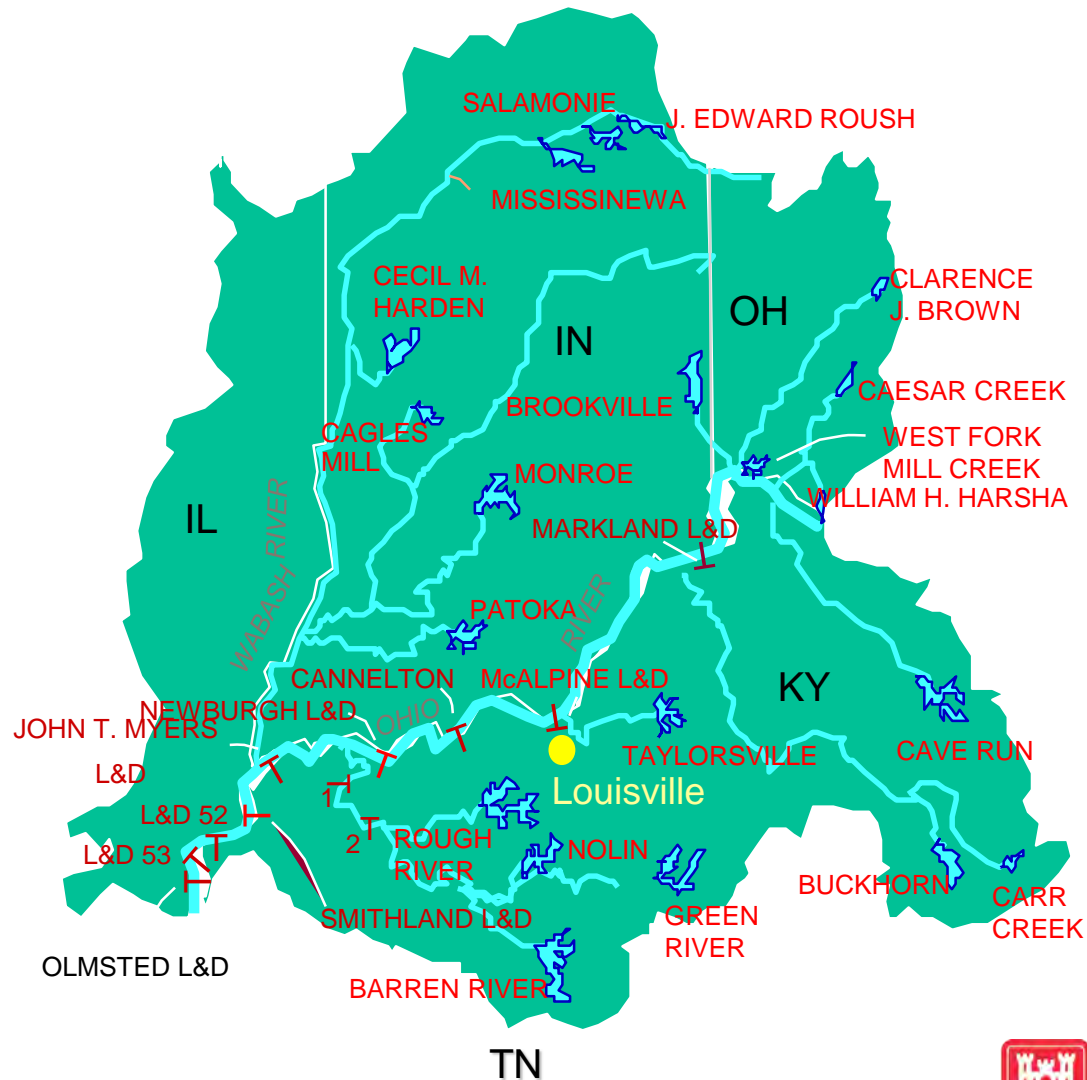
CIVIL WORKS BOUNDARY



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CIVIL WORKS BOUNDARY



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CIVIL WORKS BUSINESS LINES

- **Navigation**
- **Flood and Storm Risk Management**
- **Aquatic Ecosystem Restoration**
- **Watershed Planning**
- **Emergency Management**
- **Regulatory Program**
- *Hydropower*
- *Recreation*
- *Water Supply*



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It Takes Two to Tango

Authorization

- Permission for Study, program, or project
- Water Resources Development Act (WRDA)
- Committee resolution

Appropriation

- Approval to obligate and expend funds for an authorized study, program, or project
- Annual Energy & Water Development Appropriation Act (EWDA)



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KEY POLICY AND LAWS

Flood Control & WRDA

- 1936 FCA – benefits exceed costs (benefit cost ratios)
- 1986 WRDA – cost sharing required for most projects

Laws, Statutes and Executive Orders

- National Environmental Policy Act
- Clean Water Act
- National Historic Preservation Act
- EO 11988 – Flood Plain Management

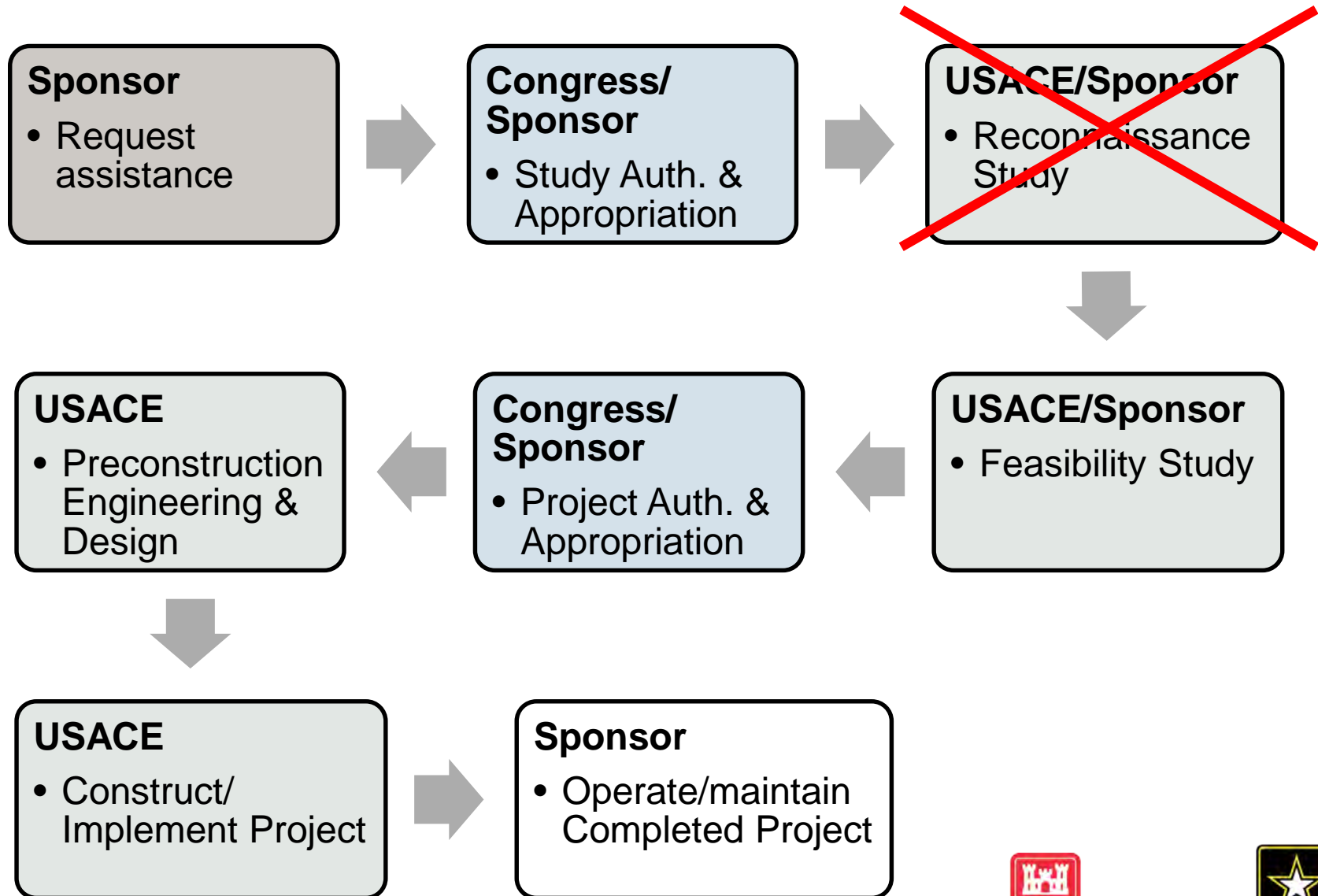


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Specifically Authorized Project Process

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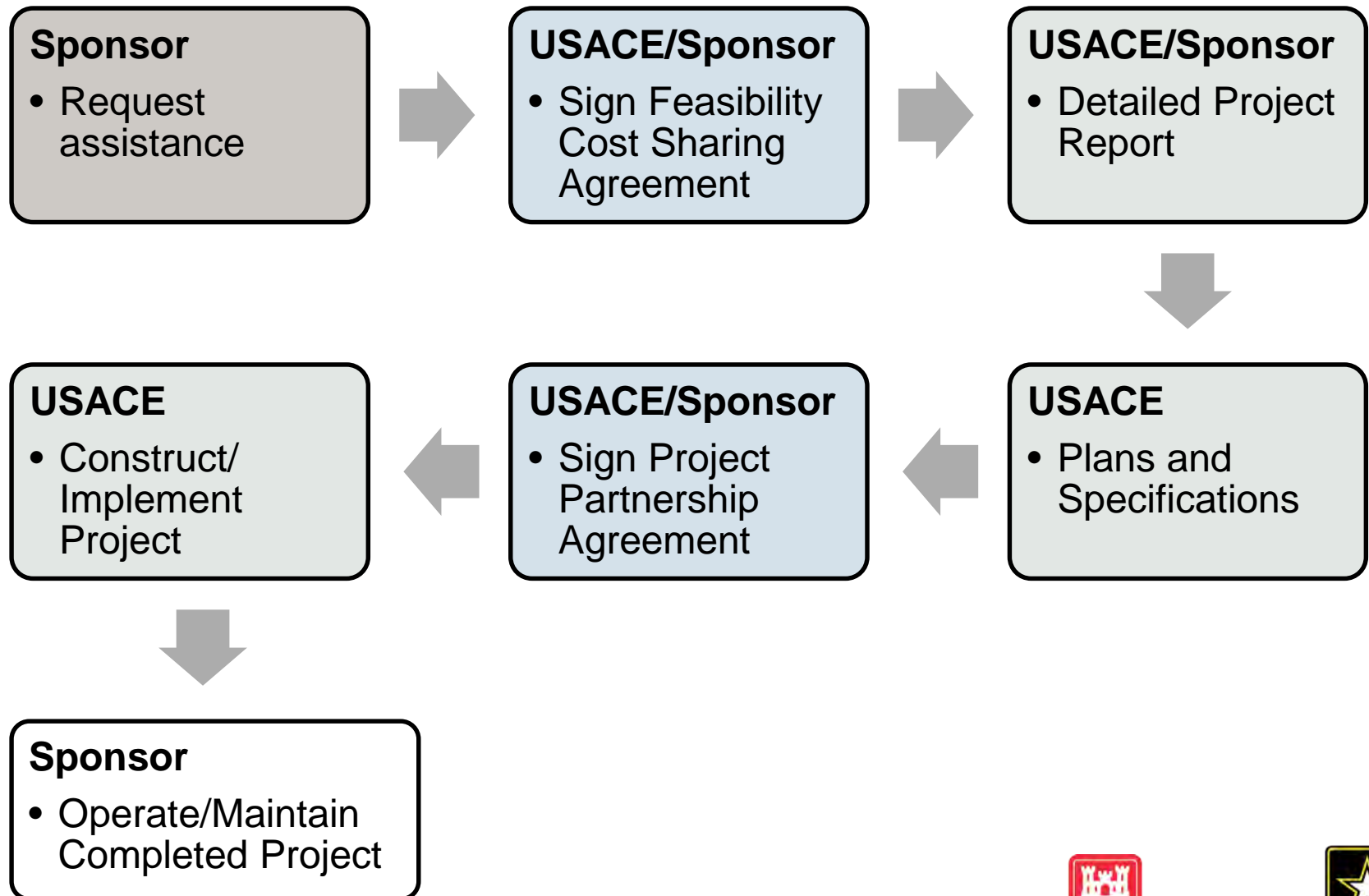
OLMSTED PROJECT AERIAL



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Continuing Authorities Project Process



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CONTINUING AUTHORITIES OVERVIEW

| Authority | Description | Per Project Cost Limit (\$M) | Per Program Cost Limit (\$M) |
|--------------|------------------------------------|------------------------------------|------------------------------------|
| Section 14 | Emergency Streambank Stabilization | 5 | 20 |
| Section 107 | Navigation | 10 | 50 |
| Section 205 | Flood Risk Management | 10 | 55 |
| Section 208 | Flood Snagging/Clearing | 0.5 | 7.5 |
| Section 206 | Aquatic Ecosystem Restoration | 10 | 40 |
| Section 1135 | Ecosystem Restoration | 10 | 25 |



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Feather Creek

Clinton, IN

Section 205



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OTHER PROGRAMS & AUTHORITIES

- Environmental Infrastructure (Section 219, 594, 531)
- Planning Assistance to States (Section 22)
- Flood Plain Management Services Program
- Emergency Management (PL 84-99)
- Silver Jackets



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WHAT IS/ARE SILVER JACKETS?



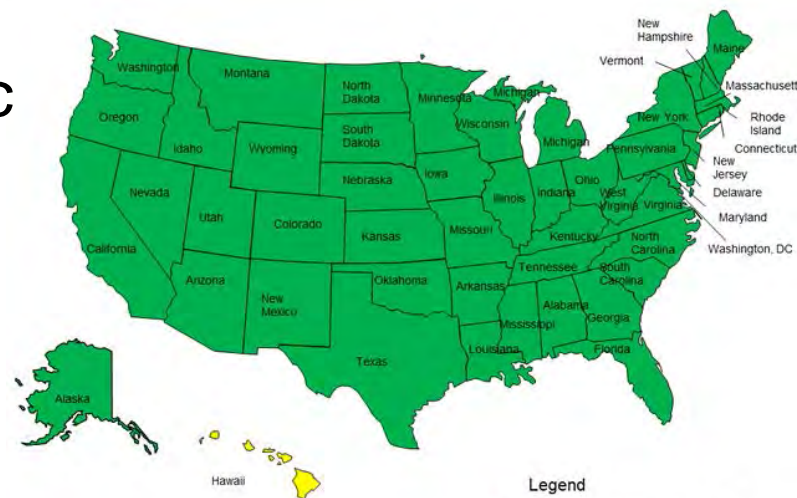
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WHAT IS/ARE SILVER JACKETS?

Partners

- State-Led (Voice of our ~~Customers~~)
 - States set priorities for Interagency Federal support
- Interagency Method of Delivery (MOD)
 - Collaboration across agencies / levels of government
 - 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



Legend

- Active Intergovernmental Flood Risk Management Team
- Ongoing Effort to Develop a Team



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Federal and National Partners



FEMA



Many Agencies



One Solution



State, Local, and Educational Partners



Silver Jackets Successes

Inundation Maps

- Created a model that paired up technologies not normally used together to identify flood areas and when those areas would be impacted through the use of real time river gage data.
- Model successfully calibrated against actual river flow data.
- Outputs can be integrated with HAZUS damage model, GIS, and local Property Valuation Administration (PVA) databases.
- Real time access for citizens
- Cost typically less than \$20K per stream mile



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Silver Jackets Successes

- Statewide LiDAR
- Louisville Levee System EAP
- North Branch Elkhart River Report
- Orange County Indiana H&H
- Fluvial Erosion Hazards Program in Indiana



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Silver Jackets Successes

- Orange County Indiana H&H
- 1913 Flood Outreach
 - Website
 - Signage
 - Museum Exhibit
 - Regional Emmy award Winning Documentary
- Non Levee Embankment ID
- Low Head Dams Initiatives
 - #DamDangerous
 - “Over, Under, & Gone” Documentary
 - Signage



"STAY AFLOAT"
FLOOD AWARENESS CAMPAIGN
 CHILDREN'S ACTIVITY BOOK



**INDIANA DEPARTMENT
 OF HOMELAND SECURITY**

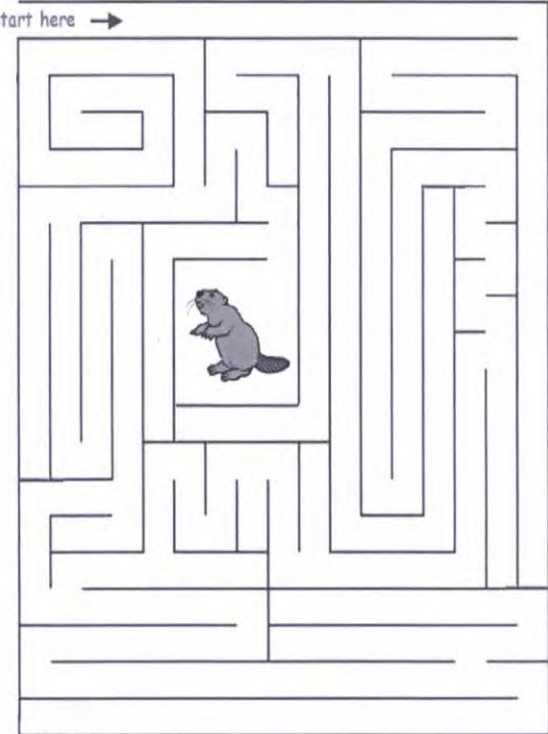
Activity Books



Help!!! The state animal has run off!

You can help... draw a path through the maze to help me find it.

Start here →



Use your mouse to trace the route or print this page and mark with a pencil.

Can't find it either?

[Click here](#) for the path.

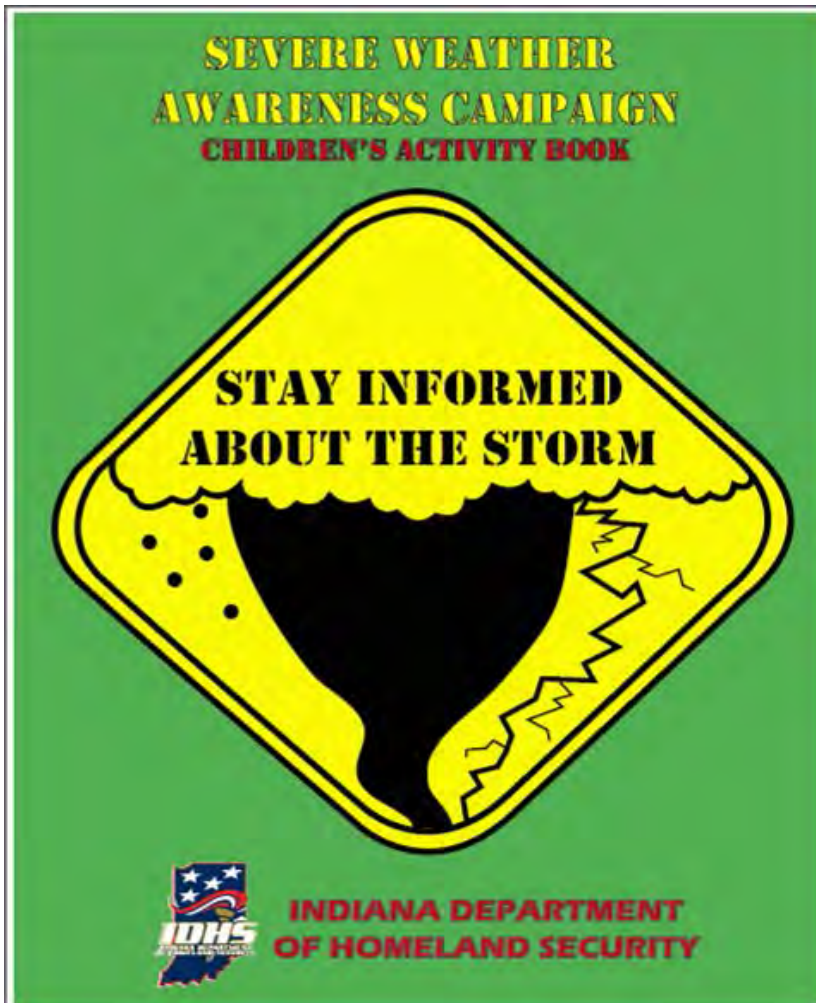


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Activity Books

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Outdoor Warning Sirens

Most communities have outdoor warning sirens. You may even hear them being tested on a regular basis to ensure they work properly. Outdoor warning sirens are meant to warn those who are outdoors and cannot see or hear important messages, such as warnings issued by the National Weather Service that may come across radios or televisions. If you are outdoors and hear a siren going off, you should seek shelter immediately and monitor conditions around you - turn on your radio or television, or check your NOAA all-hazard radio if you have one. Outdoor warning sirens are NOT meant to warn those indoors. Sometimes, you can hear them indoors if you are close enough, but do NOT rely on outdoor warning sirens as your primary method of getting warnings when you are inside. Be alert and monitor weather conditions regularly!



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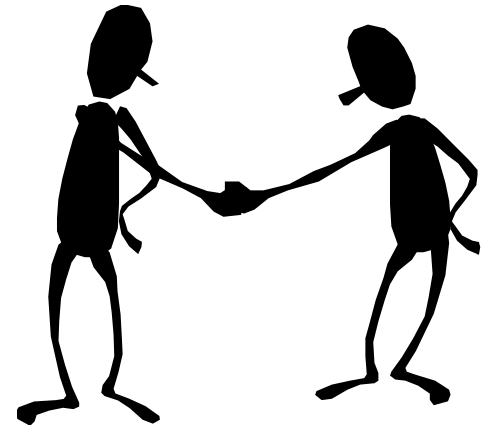
Silver Jackets Successes

Update to the State Hazard Mitigation Plans

- Participation on State Hazard Mitigation Teams

Enhanced *relationships* between federal and state agencies

- Better responses from agencies
- Improved Cooperation
- Better overall agency image
- Unified voice



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Future Silver Jackets Successes

- Southeastern KY Loss Avoidance Study
- Liberty, KY Flood Risk Study
- Hazard, KY Flood Inundation Map
- Indiana Flood Risk Data Platform/Portal
- KY TADD Campaign
- Louisville Catastrophic Urban Flood Plan



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Partners!