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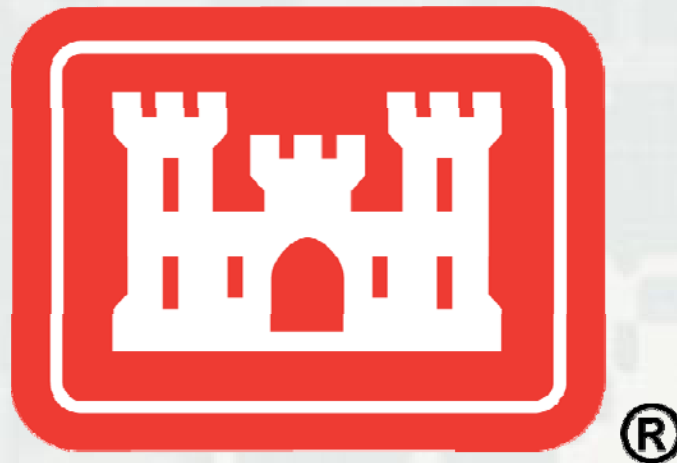
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# U.S. Army Corps of Engineers

“...the world’s premier public engineering organization responding to our nation’s needs in peace and war...”



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# How we're perceived...trying to find the balance



**By Environmental Groups**

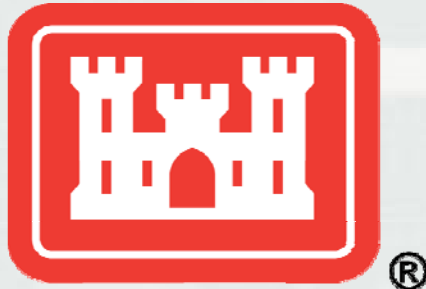
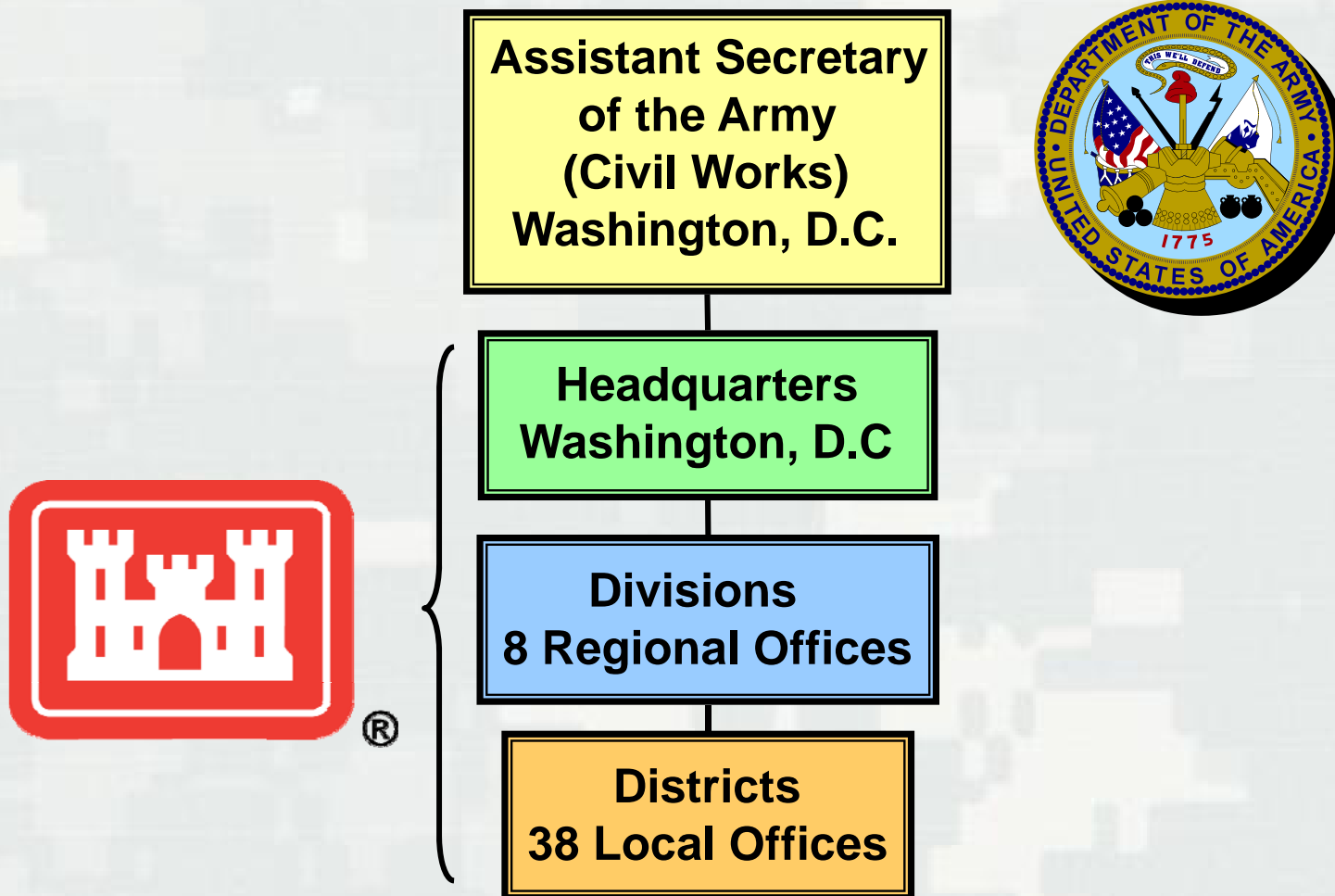


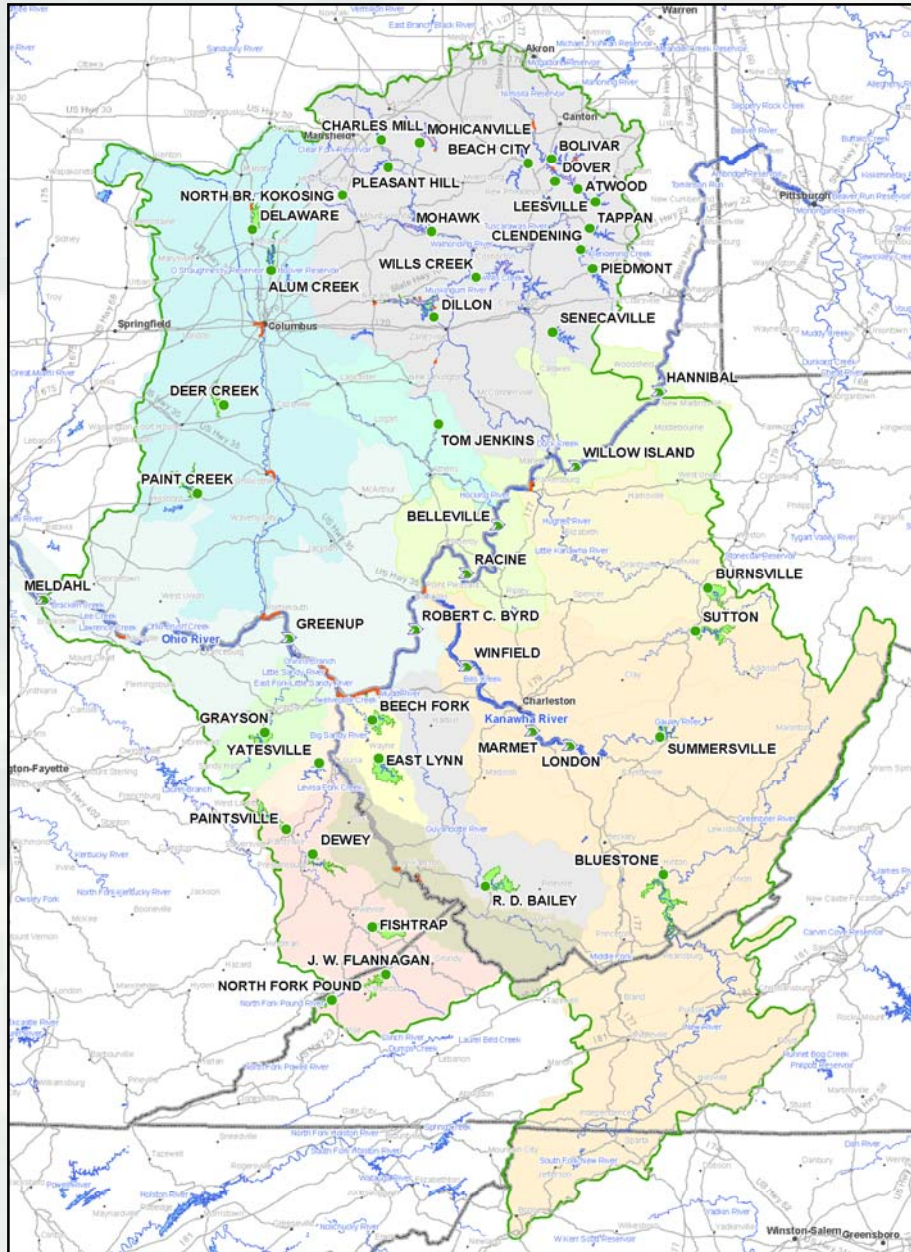
**By Industry**



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# Civil Works Structure





## Huntington District

- 35 Lakes
- 29 Local Protection Projects
- 9 Lock & Dams
  
- 940+ Employees
- FY 10 Budget – \$289M
  
- 311 Ohio River Miles
- 9 River Basins
- 45,000 square miles



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# USACE Missions

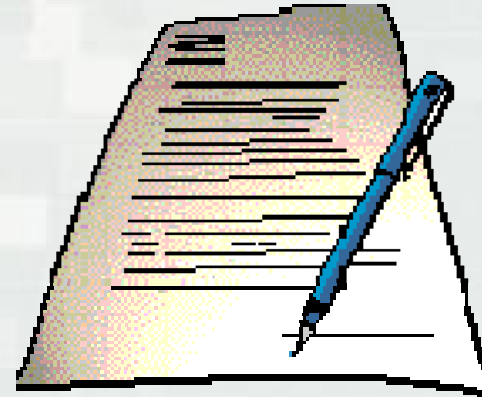
- Navigation
- Flood Risk Management
- Ecosystem Restoration
- Regulatory
- Recreation
- Emergency Management
- International and Interagency Support
- Water Supply



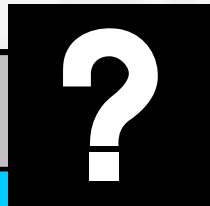
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# Getting Started

- **Authorization** – permission to undertake a study or project
  - ▶ Water Resource Development Act (WRDA)
  - ▶ Study Resolution
  - ▶ Special Authorizations
  
- **Appropriation** – funding to conduct an authorized study or project
  - ▶ President's Annual Budget
  - ▶ Energy & Water Development Appropriations Act
  - ▶ Continuing Resolution Act (CRA)



ASA(CW)  
Provides  
Guidance  
(Jan)



HQ Requests  
Legislative  
Proposals  
(Mar)



Field Offices  
Submit  
Proposals  
(May)



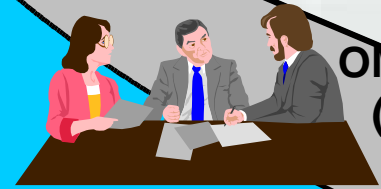
HQ Reviews and  
Approves Proposals  
(May - Jul)



HQ Sends Approved  
Proposals to ASA(CW)  
(Aug - Sep)



OMB Reviews  
(Oct - Feb)



Approved Proposals to  
Congress in Army®  
Legislative Program  
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(Feb)



Member Requests &  
Congressional  
Hearings (Mar - May)

Committee Actions  
on WRDA  
(May - Sep)

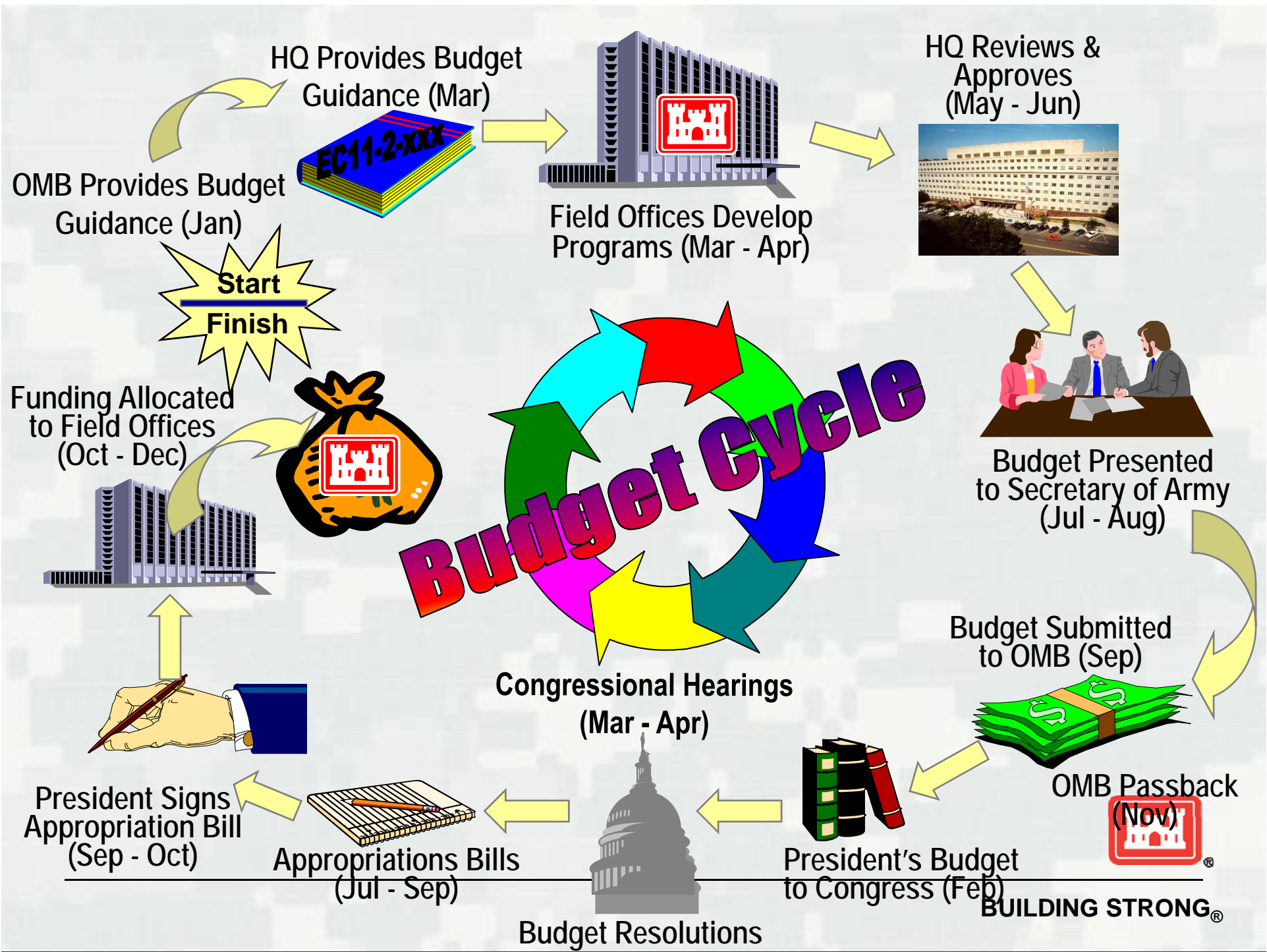
President Signs  
WRDA Legislation  
(Oct)



# WRDA Authorization Cycle







Budget Resolutions

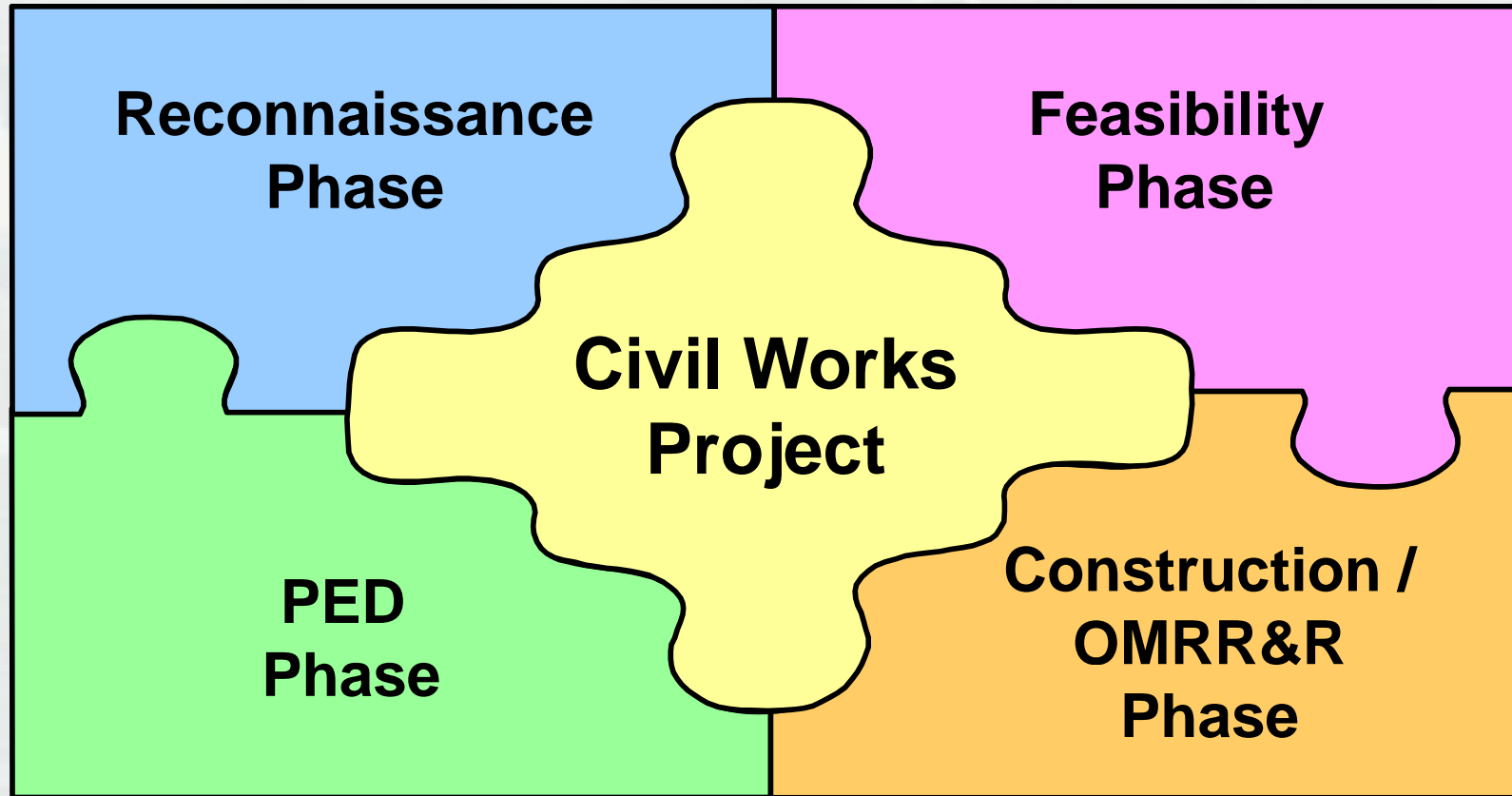
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# Appropriation Accounts

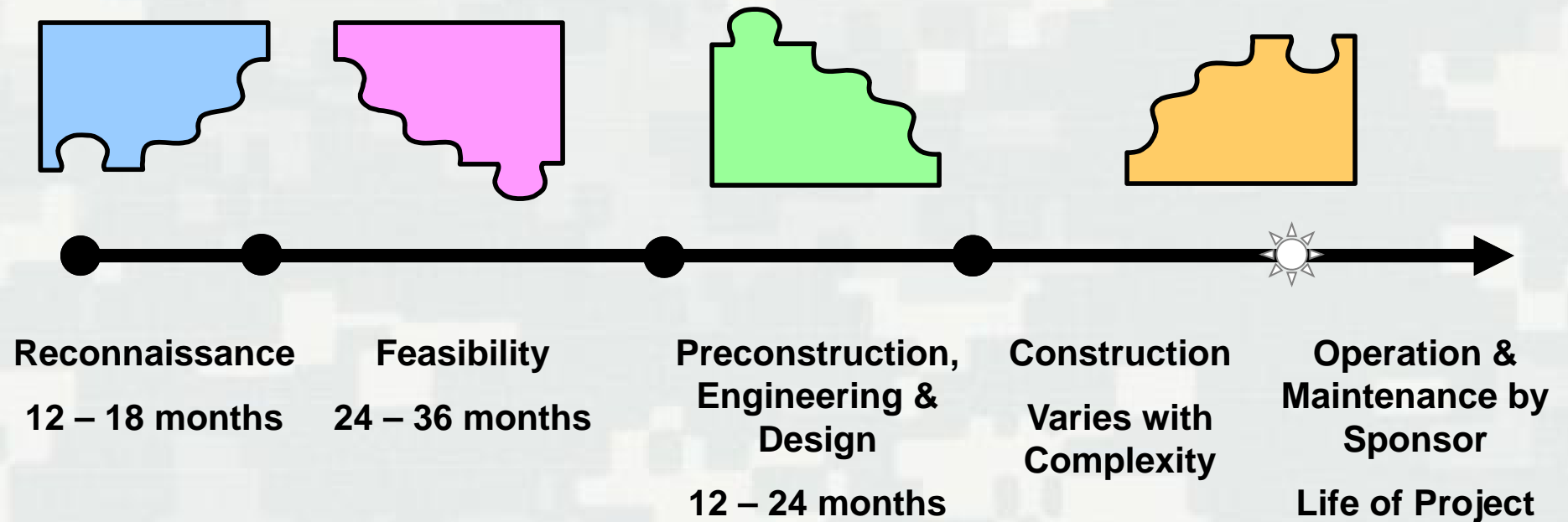
- GI – General Investigations
- CG – Construction General
- O&M – Operation and Maintenance



# Civil Works Projects Main Phases

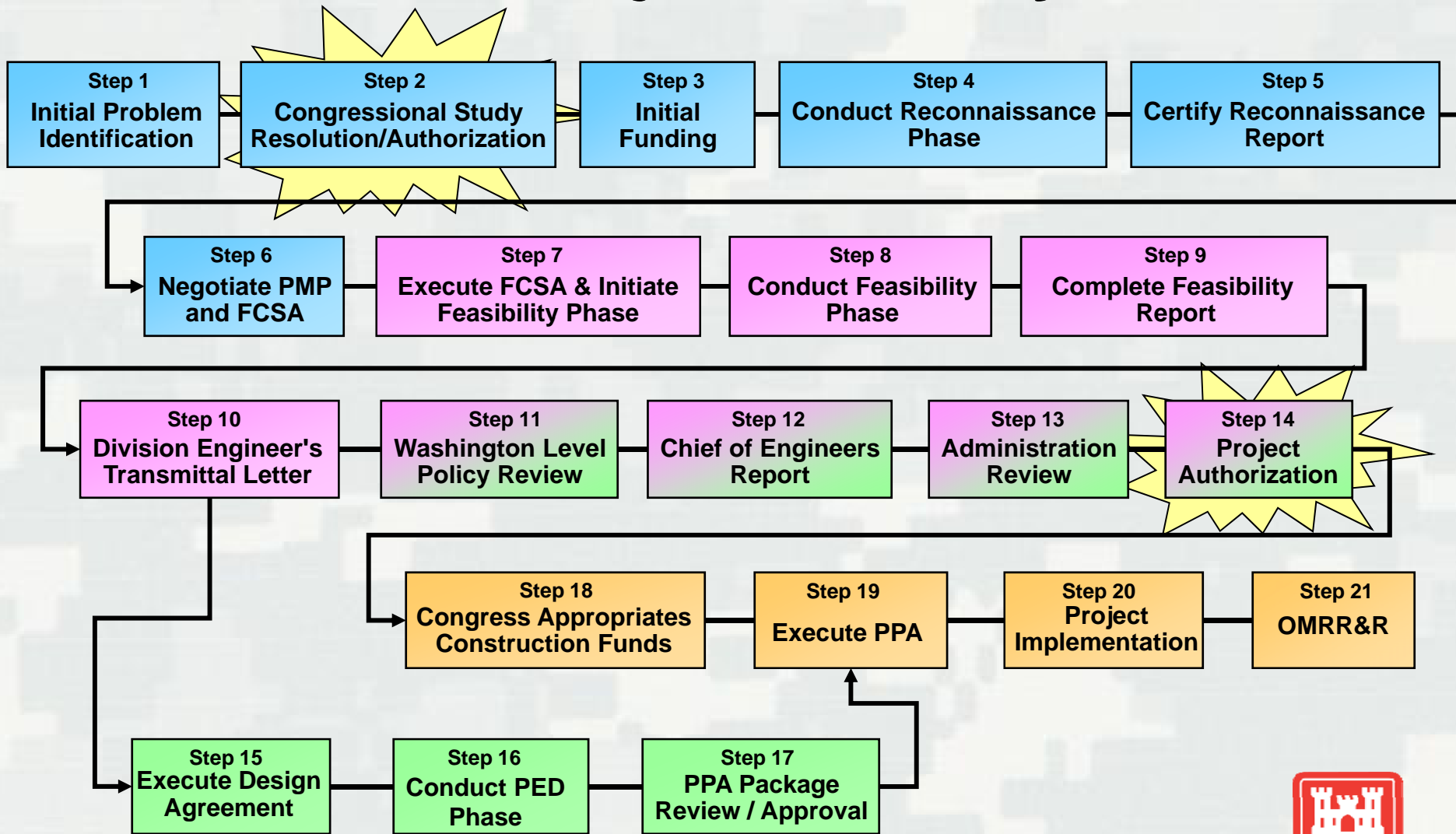


# Civil Works Timeline



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# Civil Works Project Delivery Process



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# **Southern West Virginia**

## **Wyoming County**

**Upper Guyandotte, Coal and Tug Fork Rivers  
GI – Recon/Feasibility**

## **McDowell County**

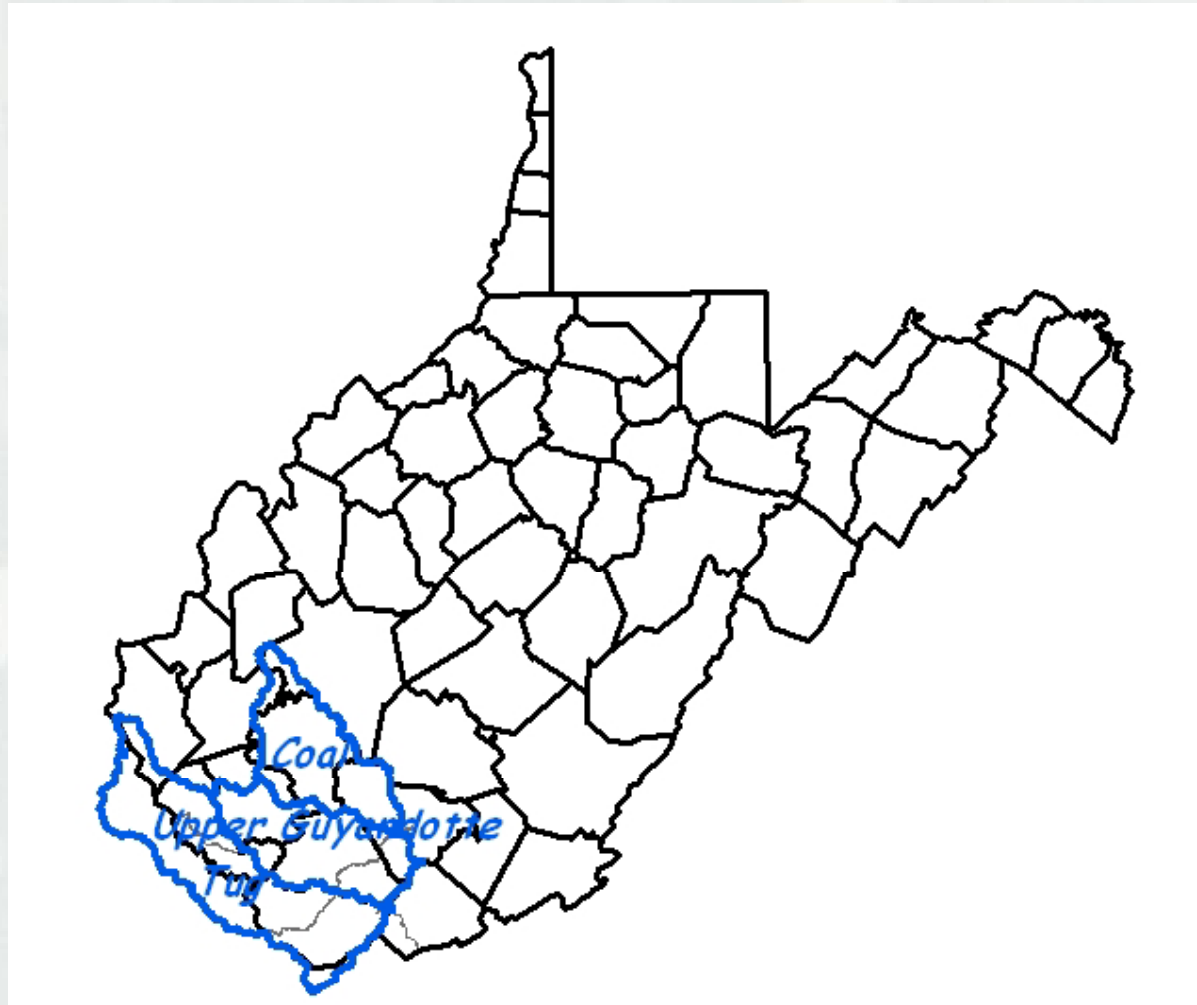
**Tug Fork River  
Section 202 – Special Legislation**



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# Area Map



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# Issues in the Area

- Repetitive Flooding
- Economic Development
- Env. Infrastructure
- Ecosystem Restoration



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# What We've Always Done...

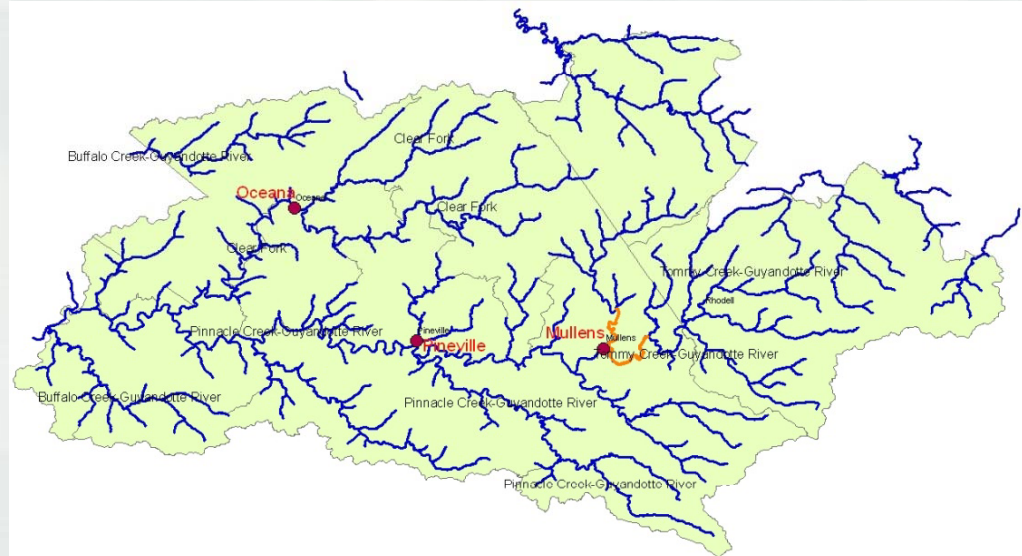
- Respond
- Repair
- Recover



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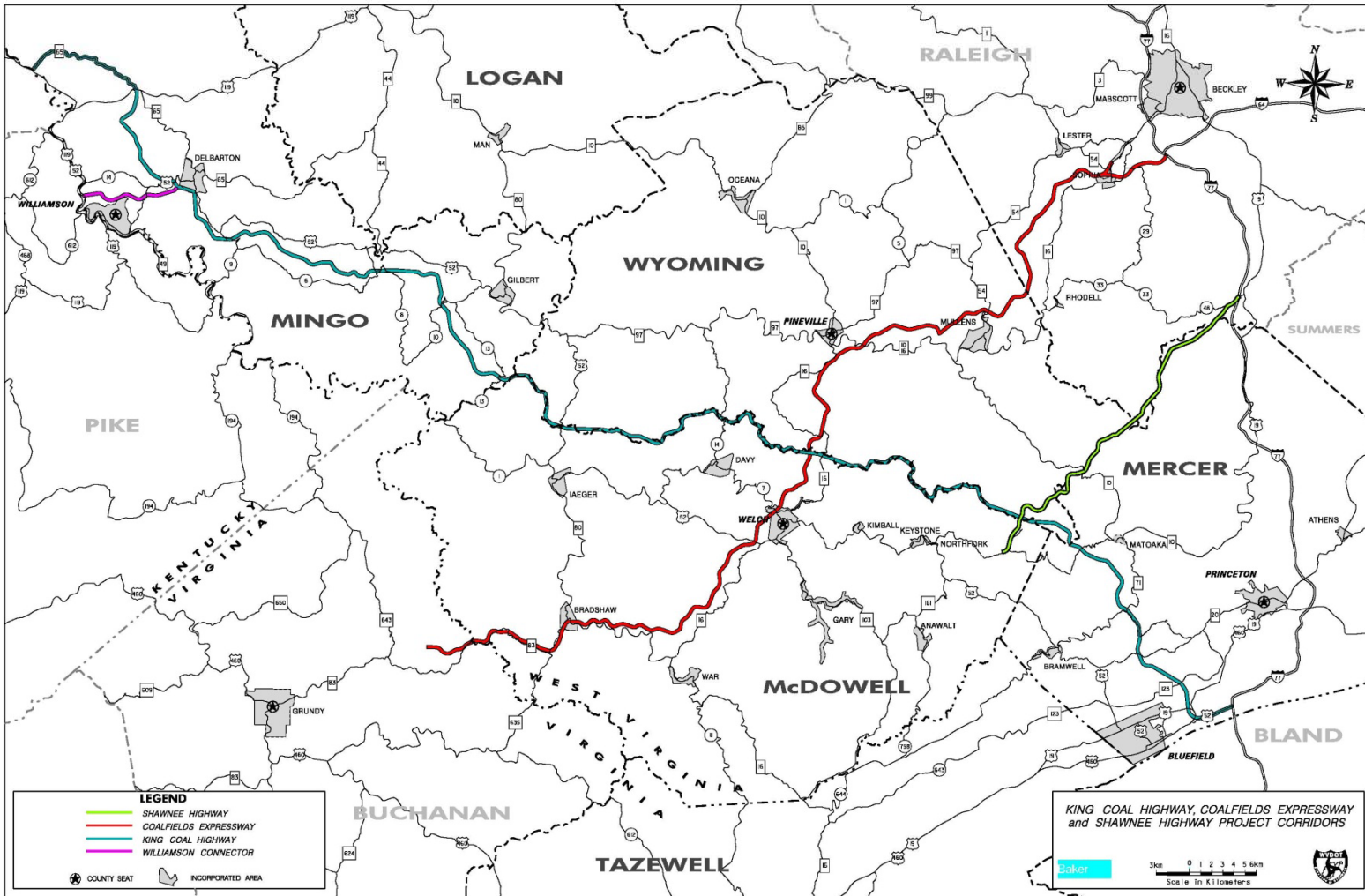
# WV DOH and Corps

- Feasibility Study in Upper Guyandotte
  - ▶ Upstream of RD Bailey Lake
- DPR in McDowell Co.
  - ▶ WRDA 2007 – 1977, 2001, 2002 or 100 year
- Issues
  - ▶ Measures to reduce high frequency flooding events
  - ▶ Estimated 12-18 month timeframe
  - ▶ *Can other options be included?*





# New Highway Construction



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# Possible Benefits of New Highways - Housing and Comm. Dev. Sites



- Better access to previously unavailable high ground
- Opportunities to move infrastructure to the new areas
- Floodsafe development opportunities



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# **Southern West Virginia and Grundy**

**2002 Supplemental Appropriations Act for Further Recovery From  
and Response To Terrorist Attacks on the United States.  
(Public Law 107-206)**

**Section 402 of the Military Construction Appropriations and  
Emergency Hurricane Supplemental Appropriations Act, 2005.  
(PL 108-324)**



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- Four Flood events
  - ▶ July 2001
  - ▶ May 2002
  - ▶ May 2003
  - ▶ Sept 2004
- Points of Interest
  - ▶ \$30M – 100% Federal (most in WV)
  - ▶ Road Stabilization/WVDOH partner
  - ▶ Generally followed priority of Superintendent
  - ▶ Four construction crews







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# Southwest Virginia

## Grundy, Virginia

Levisa Fork

Section 202 - Special Legislation



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# Grundy Nonstructural Project

- Project Description
  - ▶ Floodsafe redevelopment site
  - ▶ Ringwall (Phase I) / US 460 levee (Phase III)
  - ▶ Relocation of public facilities
  - ▶ Voluntary floodproofing and acquisition
  - ▶ Flood Warning & Emergency Evacuation Plan
  
- Total Project Cost – \$136M
  
- Local Sponsors – Grundy & VDOT
  - ▶ Non-Federal cost share – 25%
  
- Project Completion
  - ▶ Redevelopment site completed – Sep 04
  - ▶ Access bridge completed – Jan 05
  - ▶ Ringwall / levee – FY 09
  - ▶ Nonstructural – TBD



Floodsafe Redevelopment Site



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# *The End*



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