

# Welcome to the 3<sup>rd</sup> Annual Huntington Small Business Conference

May 11, 2016  
Memorial Student Center  
Marshall University  
Huntington, WV

# United States Army Corps of Engineers Regulatory Program

## Regulatory Overview



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# Regulatory Program Mission

To protect the Nation's aquatic resources, while allowing reasonable development through fair, flexible and balanced permit decisions.

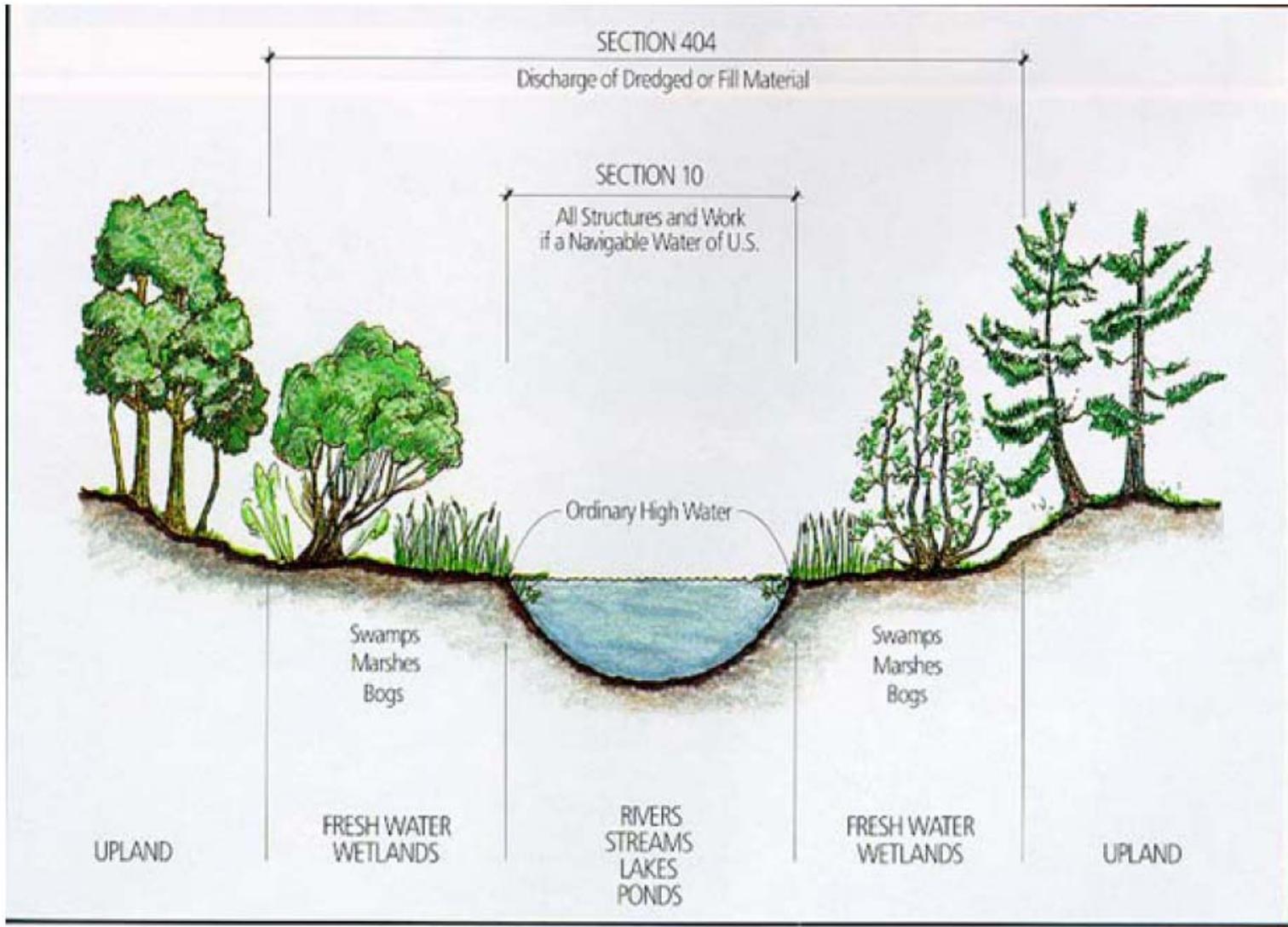


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# Regulatory Program Statutory Authorities

- Section 10 of the Rivers and Harbors Act of 1899
  - ▶ Requires approval prior to any work in, on, over or under navigable waters of the United States, or which affects the course, location, condition or capacity of such waters
- Section 404 of the Clean Water Act
  - ▶ Requires approval prior to discharging dredged or fill material into the waters of the United States





Corps of Engineers Regulatory Jurisdiction in **FRESH WATERS**



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# Wetlands



“Those areas inundated or saturated by surface or groundwater at a frequency sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.”

*are not always obvious...*



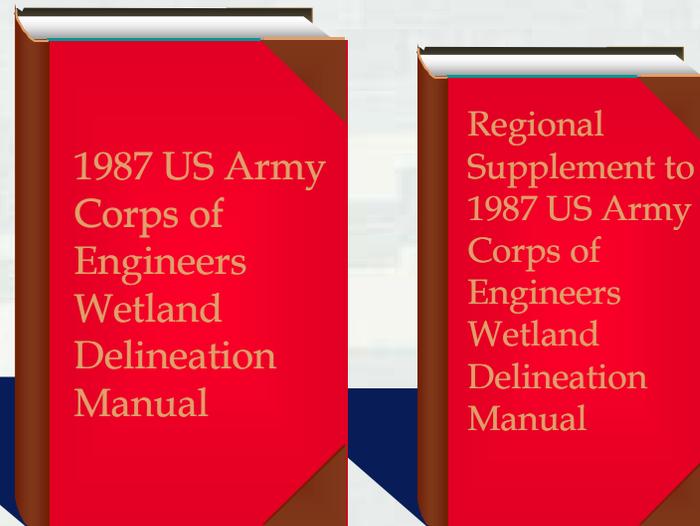
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# Wetland Criteria

In accordance with 1987 US Army Corps of Engineers Wetland Delineation Manual and any applicable Regional Supplement

## Three Parameters

- ▶ Vegetation
- ▶ Soil
- ▶ Hydrology



# Operations Division Overview

May 03, 2016

**Wayne Budrus**  
Chief, Operations Division

**Mark Taylor**  
Deputy Chief, Operations Division



# Mission Areas

- ◆ Environmental Stewardship
- ◆ Flood Damage Reduction
- ◆ Navigation
- ◆ Recreation
- ◆ Water Supply



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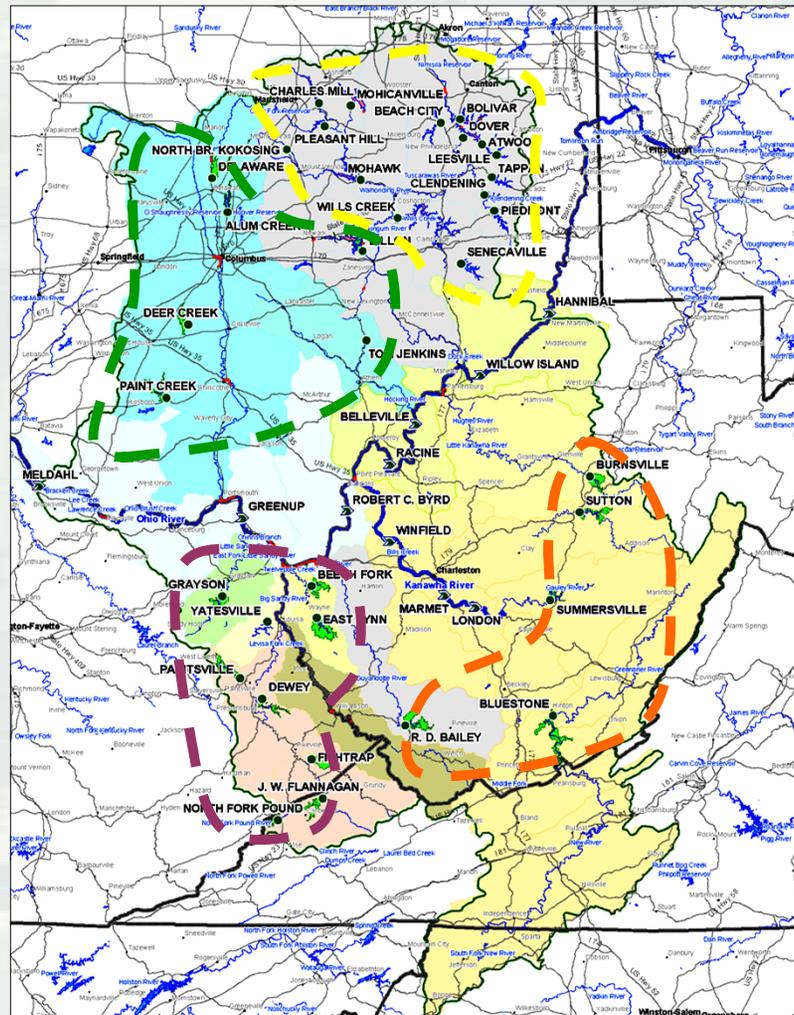
# LRH Project Locations

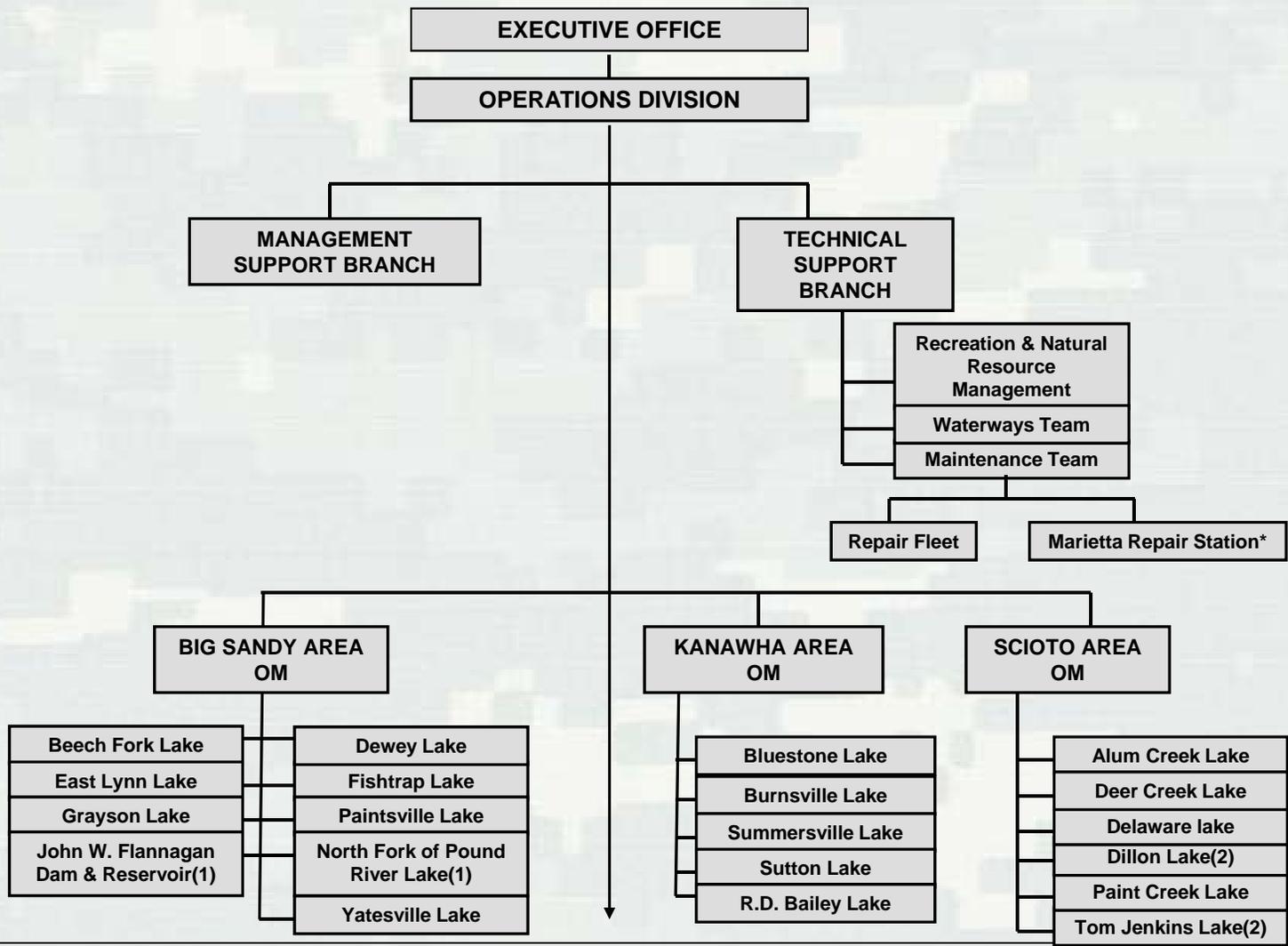
## ◆ 35 Lake Projects

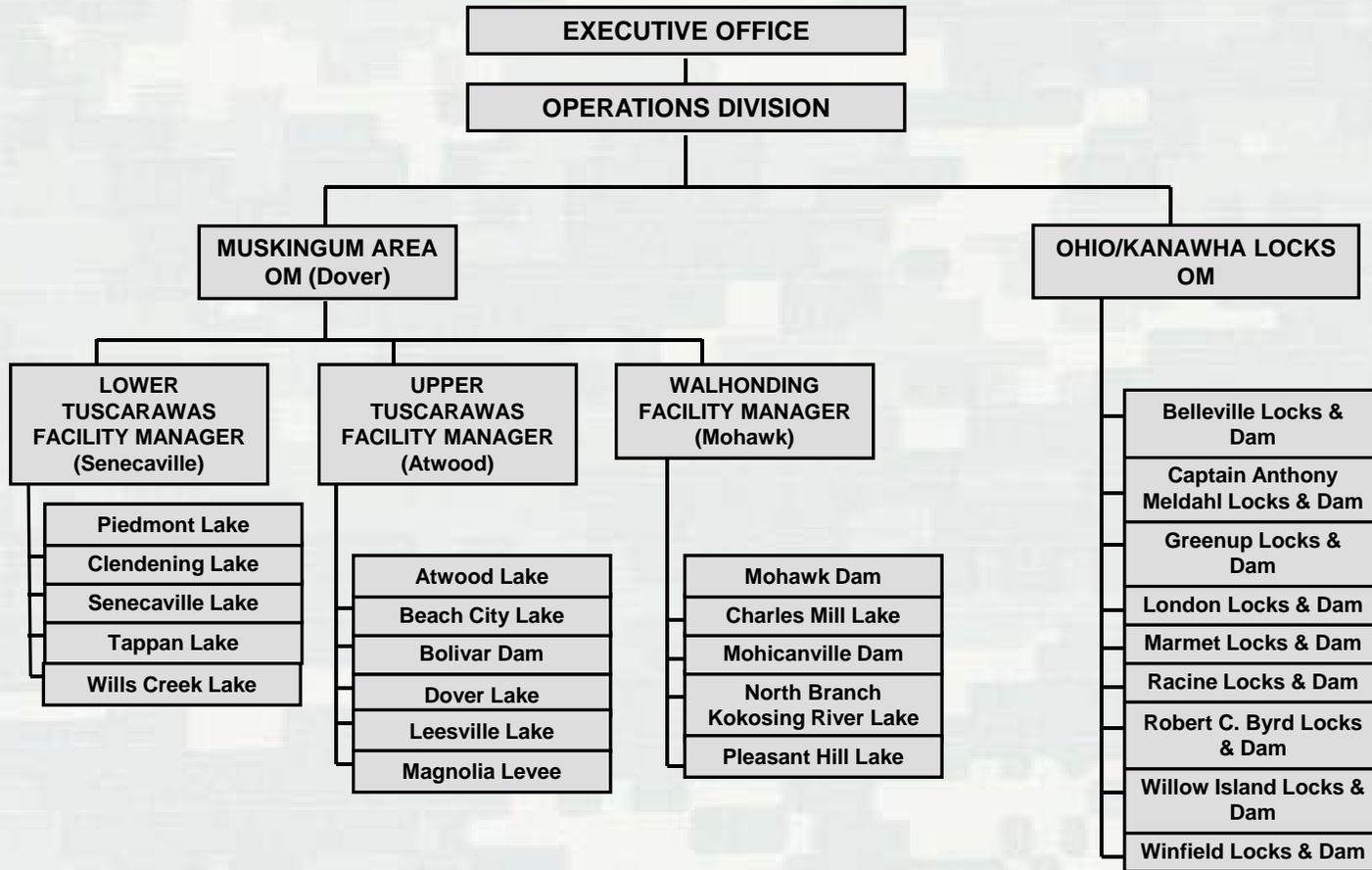
- ◆ Muskingum Area (15)
- ◆ Scioto Area (6)
- ◆ Big Sandy Area (9)
- ◆ Kanawha Area (5)

## ◆ 9 Locks and Dams

- 311 Ohio River Miles (6)
- 91 Miles Kanawha (3)







# LRH Navigation Projects Ohio Locks

All have: 1 – 110X600 lock  
1 – 110X1200 lock



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# LRH Navigation - Kanawha Locks



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# Navigation

## 9 Locks and Dams

- 30 – 50 Contracts per year
- Types of Contracts
  - Maintenance
  - Security
  - Heavy Equipment Rentals
  - Heavy Equipment Rehab
  - Bridge Repairs
  - Scaffolding
  - Piping & Hydraulic Supplies
  - Electrical Upgrades



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# DREDGING

Ohio River, Kanawha River, Big Sandy Harbor



## TYPE OF CONTRACTS

- Louisville District – Hydraulic Dredge
- Huntington District – Clamshell Dredge



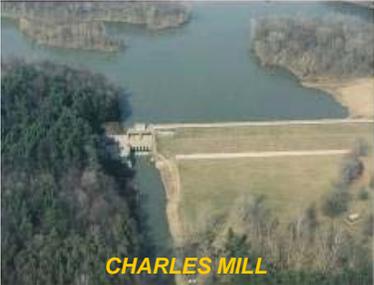
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# Flood Damage Reduction

- 35 Dams and Reservoirs
- 200 - 250 Contracts Per Year
- Types of Contracts
  - Maintenance Service
  - Grass Mowing
  - Cleaning
  - Misc. Construction
  - Trash Removal
  - Law Enforcement
  - Park Attendant
  - Herbicide
  - Sewage Treatment
  - Misc. Supplies (vehicles, electrical, security, plumbing, rentals, stone, HVAC, steel, etc.)



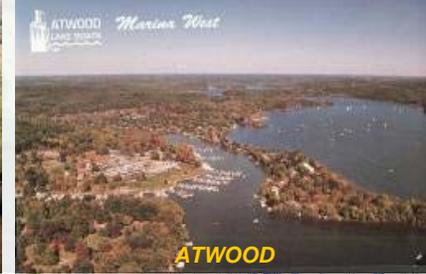
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**CHARLES MILL**



**BEACH CITY (DSAC II)**



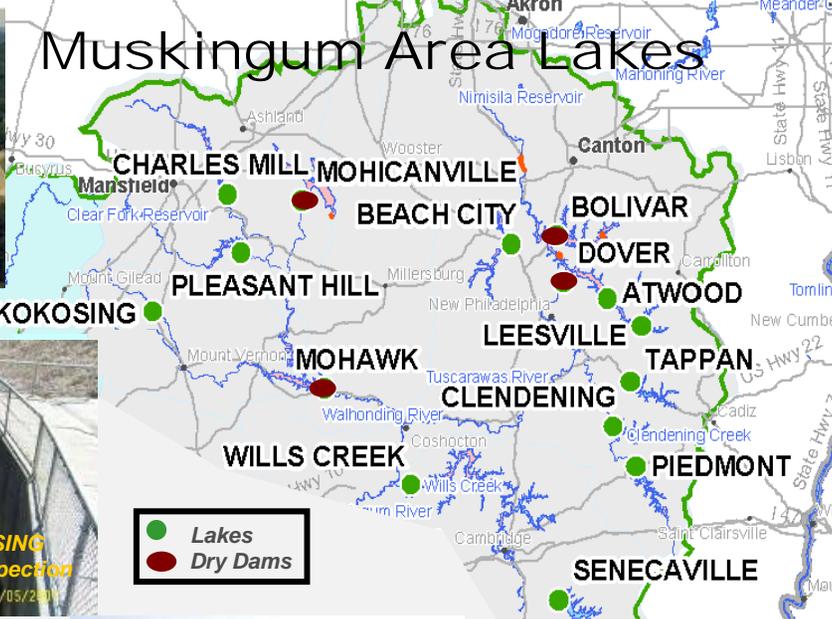
**ATWOOD**



**LEESVILLE**



**PLEASANT HILL**



**TAPPAN Lake Marina**



**N. BRANCH OF KOKOSING outflow drained for inspection in 2003**  
01/05/2004



**CLENDENING**



**New Fishing Area at WILL'S CREEK**



**SENECAVILLE**



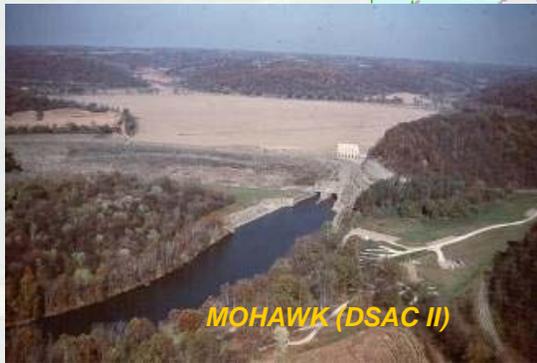
**PIEDMONT**



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Spillway at MOHICANVILLE DAM



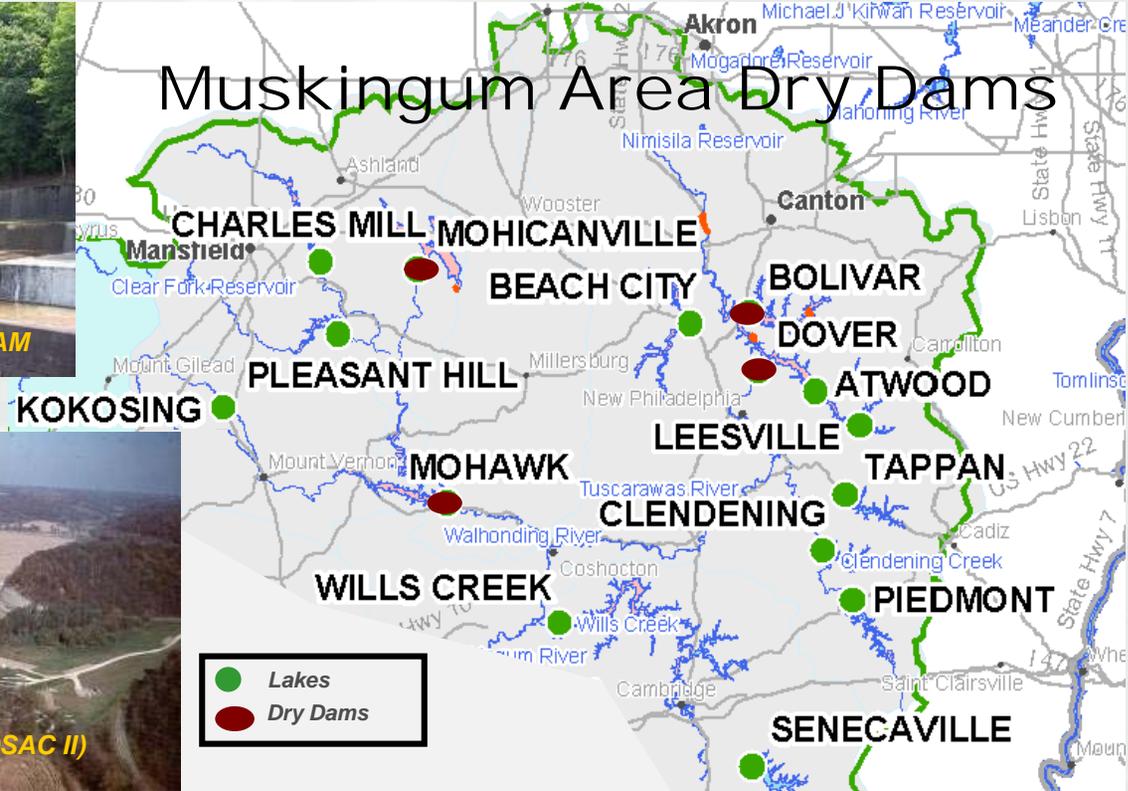
MOHAWK (DSAC II)



BOLIVAR (DSAC II)

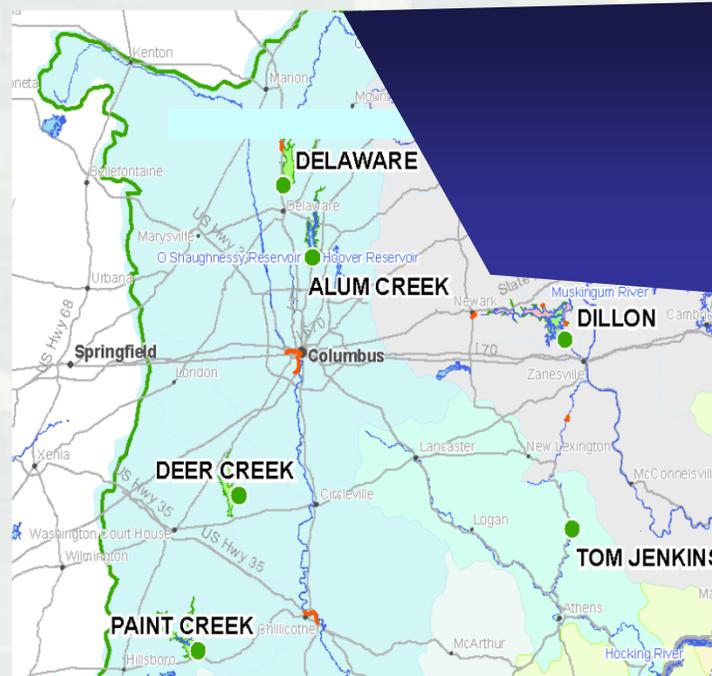


DOVER (DSAC II)



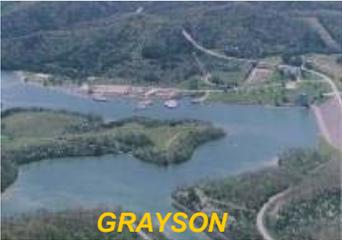
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# Scioto Area



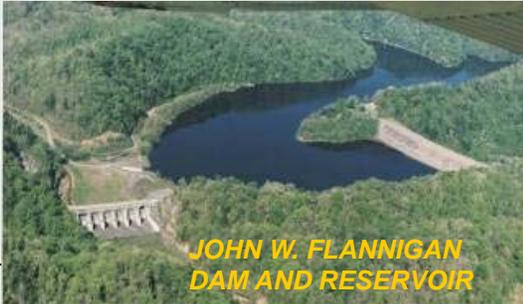
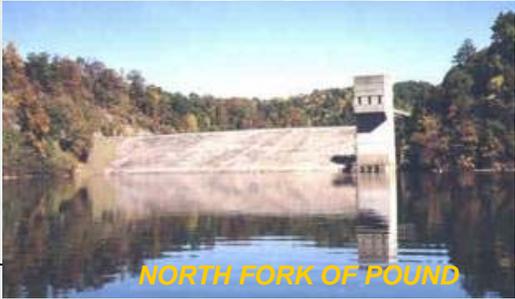
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# Big Sandy Area



## E. KY Projects

## WV Projects

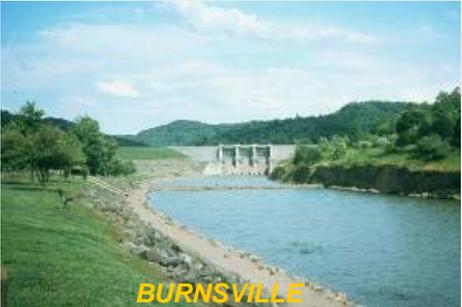


## VA Projects



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# Kanawha Area



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# Small Business Conference

**Ginny M. Morgan**

Certified Acquisition Professional

USACE, Huntington District

Contracting Branch



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# Huntington Contracting Branch

- **Rivers Division Contracting Chief**
  - ▶ Valerie K. Carlton (located in LRN)
- **Branch Contracting Chief**
  - ▶ Cheryl B. Fitzwater
- **Procuring Contracting Officers**
  - ▶ Mary L. Newman – Services and Supplies
  - ▶ Richard D. Horton – Construction
  - ▶ Brandon H. Lewis – A&E
  - ▶ Matthew C. Wilson – Services and Supplies
- **Other Contracting Branch Team Members**
  - ▶ 10 Contract Specialists
  - ▶ 1 Purchasing Agent
  - ▶ 1 Procurement Technician (Vacant)



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# Small Business Conference

**Steven C. Rhodes Jr. (Charlie)**

Assistant Chief, Real Estate Division

Chief, Acquisition and Management Branch

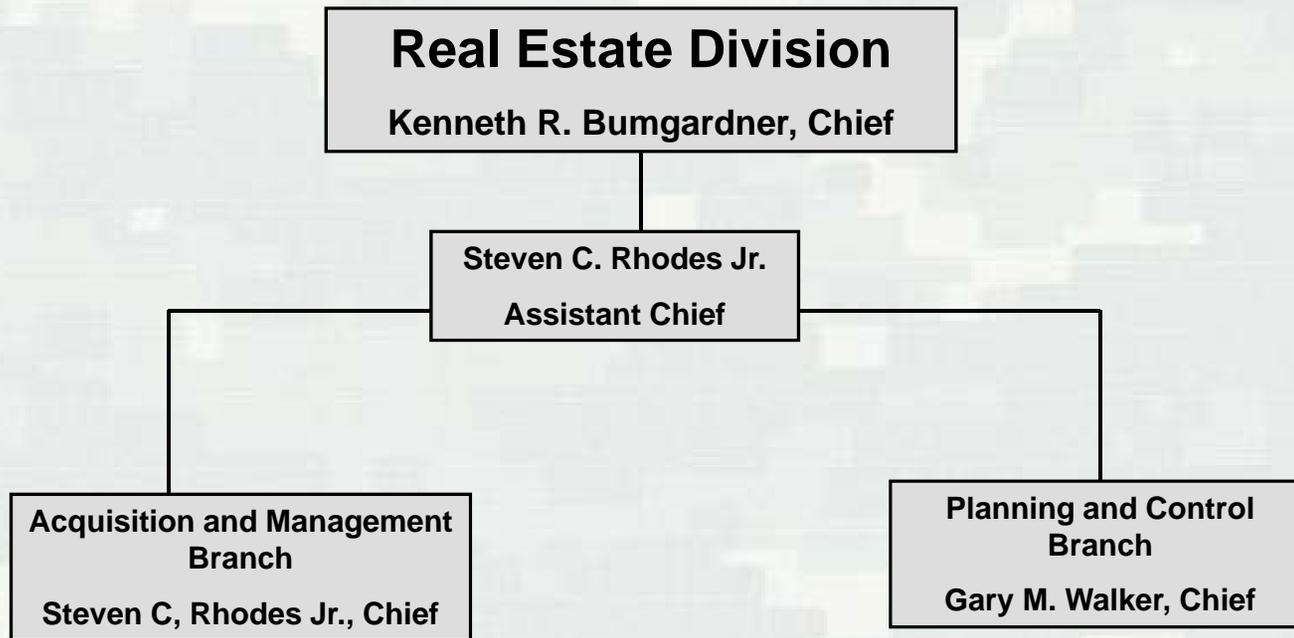
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## Planning and Control Branch

- Prepare Real Estate portions of Planning Reports
- Prepare Real Estate Mapping
- PDT Membership
- RE Budgeting and Execution
- RE Records
- Real Property Accountability



# Acquisition

- Acquire
  - ▶ Federal Lands
  - ▶ On Behalf of Local Sponsors
- Relocate
  - ▶ Public Law 91-646 Relocation Assistance
- Lease
  - ▶ Provide leasing support to LRL
- Major Land Acquisition Center
  - ▶ Provide Acquisition support to the region



# Management

- Management of All Title and Interest in Real Property
- Coordinates with BLM on Mineral Interests
- Issue and Administer Outgrants Authorizing the Use of Real Property
- Resolve Land Title Disputes (Encroachments)
- Dispose of Excess Real Property



# Current Activities

- Regional Title Contract

5 yr or 350k for delivery of Title Policies

# Future Activities

- Regional Appraisal Contract



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# Dam Safety Modification Mandatory Center of Expertise

Kimberly Davidson, P.G.  
Senior Geologist, DSMMCX

Small Business Conference  
11 May 2016



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# **DSMMCX Mission**

**A National Center that provides oversight and technical support for the Agency's Dam Safety Modification Mission**

- Oversees and coordinates the seven Regional Dam Safety Production Centers (DSPCs) established to execute that Mission**

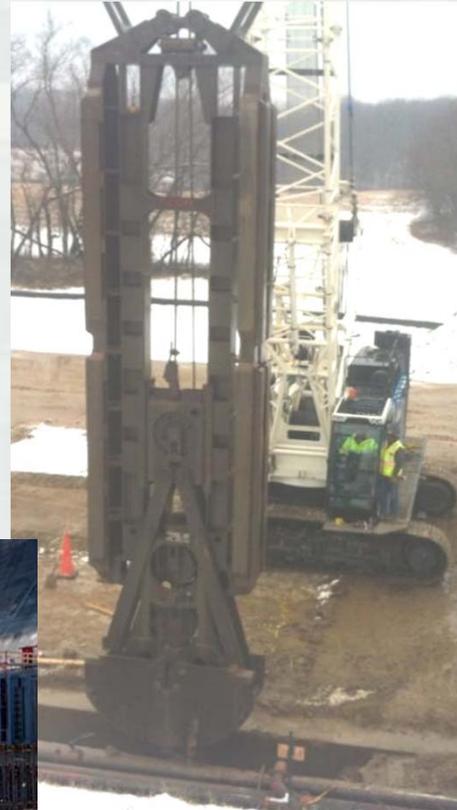
- The Great Lakes and Ohio River Division's Regional DSPC is co-located with the DSMMCX in Huntington District**



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# Dam Safety Production Centers

- Huntington, WV (w/MCX)
- Concord, MA
- Sacramento, CA
- Omaha, NE
- Vicksburg, MS
- Atlanta, GA
- Tulsa, OK



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# **DSPC Roles**

**Primary organization responsible for the preparation of engineering products and activities associated with Dam Safety Modifications:**

- **Dam Safety Modification Report (decision document)**
- **Design documentation**
- **Plans and Specifications**
- **Engineering support during construction**
- **Construction Liaison**

# **DSMMCX Roles**

**Responsible for oversight of the above activities in addition to:**

- **Ensure consistency and lessons learned across DSPCs**
- **Facilitate coordination of resources across DSPCs**
- **Provide oversight to DSPCs & perform Agency Technical Review**
- **Develop and conduct Dam Safety related training**
- **Administer national level A-E contracts for Dam Safety Modifications**



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# Corporate Goals for DSMMCX & DSPCs

- **Efficiently provide risk reduction across USACE dam inventory**
- **Improve technical quality of products and services**
- **Ensure consistent implementation of engineering methodologies and policies**
- **Enhance, sustain and maintain technical competency capability within USACE**



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# **Contracted Work**

**Computational Fluid Dynamics Modeling**

**Metallurgical Analysis**

**Anchor Lift-off Testing and Evaluation**

**Instrumentation Installation**

**Instrumentation Data Collection**

**Automated Data Acquisition System Setup**

**DAMRAE**

**Expert Evaluation/Consultation – study, design  
and/or construction inspection**



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# Other Capabilities - Contracts

Current contract resources:

A-E Design Services  
A-E Geotechnical Services  
Drilling Services

- Land and floating plant based



Development of contract documents including specs, scopes of work, estimates

All phases of technical contract management



# Current Contracts

URS Group, Inc.

A-E, National IDC for Engineering, Design and Related Services

Stantec/Tetra Tech JV

A-E, National IDC for Engineering, Design and Related Services

Stantec Consulting Services

A-E, National IDC for Geotechnical Services, exploratory drilling,  
and testing

Stantec Consulting Services

LRD Exploratory Land Drilling usable nationally through the MCX

Terracon Consultants, Inc.

LRD Exploratory Land Drilling usable nationally through the MCX

Stantec Consulting Services

LRD Floating Plant with Land Drilling usable nationally through the  
MCX



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# Future Contracts

**Currently working toward additional national contracts:**

**5 - A-E Engineering, Design and Related Services,  
Total Capacity \$55M**

**3 Large Business @ \$15M ea.**

**2 Small Business @ \$5M ea.**

**1 - National IDC Automated Data Acquisition  
System Instrumentation Services, Total Capacity  
\$10M – sources sought currently advertised**



**Questions/Comments?**



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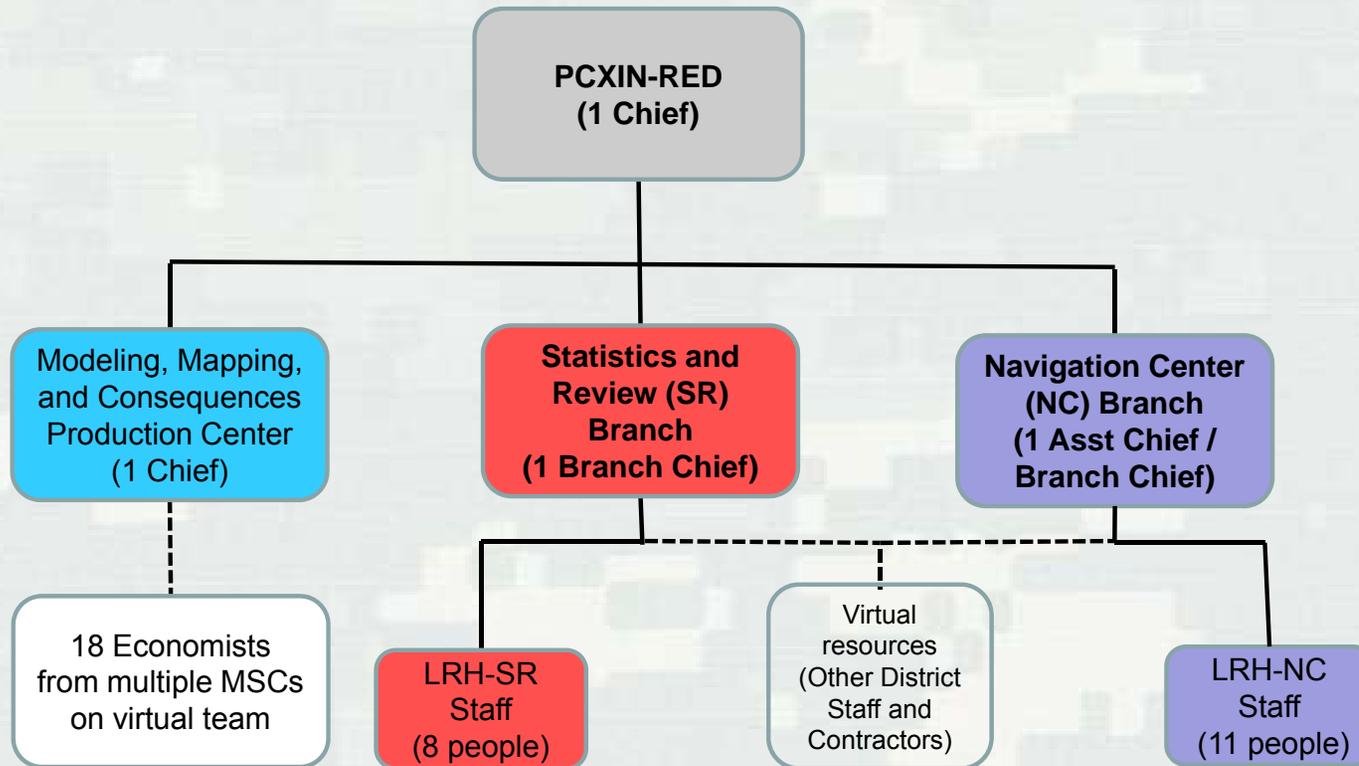
# Small Business and the Planning Center of Expertise for Inland Navigation and Risk-Informed Economics Division (PCXIN-RED)

Chris Bouquot  
Economist, PCXIN-RED  
USACE Huntington District  
11 May 2016



# Organizational Structure

## Planning Center for Expertise in Inland Navigation & Risk-Informed Economics Division (PCXIN-RED)



# How does Small Business Fit With the NC Mission?

Navigation Center  
(NC)

- **Navigation Center Mission:**
  - ▶ Conduct analysis of benefit of Inland Waterway and how projects the might impact the benefits.
- **Private Partnerships**
  - ▶ Leonardo Technologies Inc: Report of future of utility steam coal.
  - ▶ Criton Corporation: Newsletter on inland waterway industries.
- **University Partnerships**
  - ▶ University of Tennessee Center for Transportation Research Center: Study of Chicago transportation network.
  - ▶ Texas A & M Transportation Institute: Study of transportation costs for Gulf Coast waterway movements.



# How does Small Business Fit With the NC Mission?

Statistics and  
Review (SR)  
Branch

- **Statistics and Review Branch Mission:**
  - ▶ Collect and input vessel operator data into national database of waterway movements.
  - ▶ Guide the review of navigation economic studies.
- **Private Partnerships**
  - ▶ **Strictly Business:** Developed and manage software (WARP) used nationwide to load data reported by vessel operators.
  - ▶ Independent External Peer Review (IEPR) process



# United States Army Corps of Engineers Engineering & Construction – Contract Management (EC-CM)

## EC-CM Overview



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# EC-CM Overview

- The Contract Management team is responsible for the day-to-day handling of all small construction projects and all Architect-Engineer contracts for the Division.
- Our team consists of Administrative Contracting Officers and Contracting Officer's Representatives on these contracts.
- The staff performs the full range of construction contract administration.



# Huntington District Planning Branch

## May 2016

Amy K. Frantz  
Chief, Planning Branch



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# Huntington District

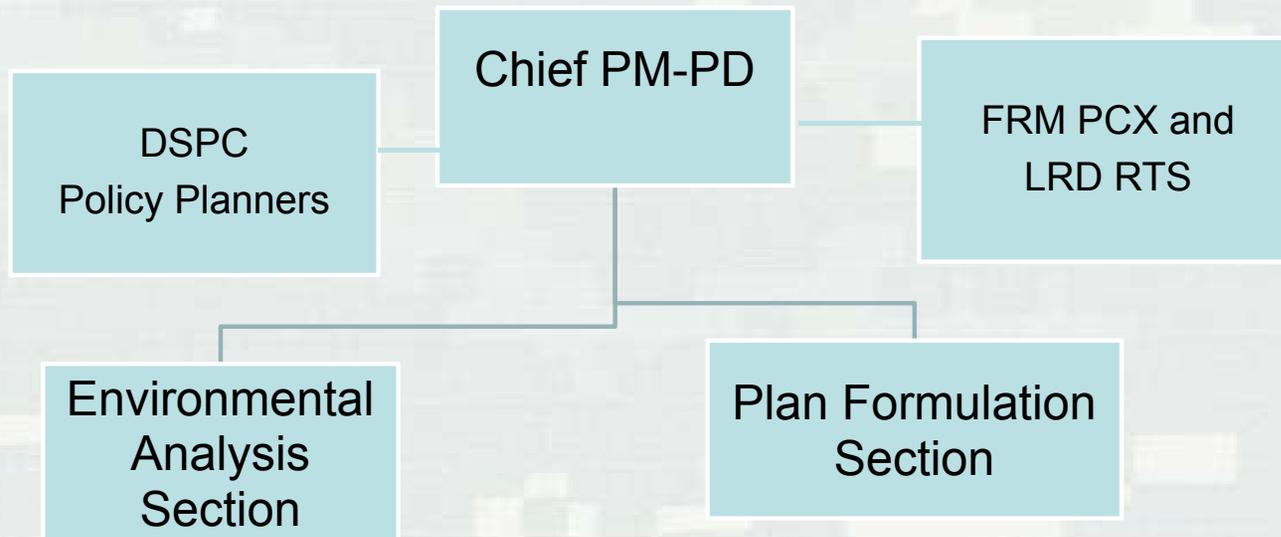
- Organizational Structure
- LRH Planning Program



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# Planning Branch



# Huntington Planning Program

- Flood Risk Management
  - ▶ Dam Safety Projects
  - ▶ Floodplain Management
  - ▶ Planning Assistance to States
- Ecosystem Restoration
- Water Supply
- NEPA Compliance



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# Huntington Planning Program

- NEPA Compliance
  - ▶ Baseline Conditions
    - Wetland delineations
    - Archeological surveys
    - Aquatic surveys
      - ▷ Mussels
      - ▷ Fish
    - Terrestrial surveys
  - ▶ Components of EIS



# Huntington Planning Program

- Economic Analyses (flood risk, recreation, ecosystem, etc)
- Structure Inventories
- Recreation Analyses
- GIS support
- Master Planning support



# Contracting Outlook for FY17

- We will continue to seek support from contractors with our technical field work in biology and archeology.
- Opportunities for up to 10 contract actions, including task orders written against existing ID/IQ contracts are anticipated.
- The value of these actions will range between \$300,000 to \$500,000 in Fiscal Year 2017.



# Huntington District Environmental & Remediation Section

Wyatt Kmen

Section Chief

Tuesday, May 10, 2016



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# Supported Missions

- General
- Civil Works
  - ▶ New construction
  - ▶ O&M
- IIS (Interagency & International Support)
  - ▶ EPA, DOE, VA, FEMA
- FUDS
  - ▶ WV, OH



# General

- Section common name = “HTRW”
- Environmental investigations & reports
  - ▶ Phase I ESA’s
  - ▶ Phase II ESA’s
  - ▶ Sampling for analysis
- Review of environmental plans and documents
- Audit environmental compliance



# Civil Works

- New Construction
  - ▶ Phase I's & Phase II's
  - ▶ Specifications (but not full design services)
  - ▶ Reviews, audits, manifesting
- O&M of existing facilities
  - ▶ LBP, Asbestos, PCB's, UST's, AST's, IAQ
  - ▶ Advise Operations and/or contract work
  - ▶ Manifesting



# IIS

- EPA
  - ▶ USEPA
  - ▶ State EPA/DEP's
- DOE
  - ▶ Brought in by Cost or PM
- VA
  - ▶ Recent/upcoming support
- FEMA
  - ▶ Disaster deployments



# USEPA, Regions III & V

- Ongoing projects
  - Summit Equipment & Supply – Akron, OH (V) – LTM at former salvage yard – site maintenance, biennial sampling of monitoring wells, oversight, and reporting
  - Appalachian Timber Services – Sutton, WV (III) – RCRA clean-up at wood treatment facility – review of technical documents and sampling data, oversight of sampling
  - Ravenswood TRC – Ravenswood, WV (III) – RCRA on-site waste management at former Kaiser Aluminum plant – oversight of liner installation & repair
  - Follansbee Parcel B La Brea Flats – RCRA site, voluntary remediation at former Wheeling-Pittsburgh Steel – split sampling and documenting sampling event
- Future work
  - Little Scioto River – Marion, OH (V) – NPL site (former Bakerwood Creosoting plant) – project going to RD (Remedial Design) – Region V RPM wants USACE to perform – design work may begin late in FY16 or early in FY17 or later



# Department of Energy

- Environmental Management (EM)
  - Audit team members
  - Audited NETL processes regarding compliance with laws and DOE regulations
- Legacy Management (LM)
  - Audit team member
  - Audited processes for several LM facilities nationwide
- With Cost Engineering
  - Section assists with HTRW aspects



# Veterans Administration

- Huntington VA Medical Center – Environmental Liabilities Report for FY16



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# FUDS

- WV Ordnance Works (Point Pleasant)
- WV Maneuver Area & Dolly Sods
- Plum Brook Ordnance Works (Sandusky, OH)
- Other properties – completed reports



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# FUDS –WVOW

- Near Point Pleasant, WV
  - ▶ Pump & treat plants
  - ▶ Wells
  - ▶ Caps
  - ▶ LTM
  - ▶ 5-Year Reviews
- Partners – WVDEP, WVDNR, USEPA, Louisville & Nashville Districts, locals



## FUDS – WVMA

- Elkins-Davis-Harman-Petersburg area
- Dolly Sods, Canaan Valley, Timberline
  - ▶ Trailhead inspections
  - ▶ Public awareness
  - ▶ 5-Year Review for Dolly Sods
  - ▶ 7 SI's completed, 3 RI's going forward
- Partners – WVDEP, USFS, USF&W, Louisville & Baltimore Districts, WVSP



# FUDS – PBOW

- Sandusky, OH
  - ▶ Cleaning up soil contamination
  - ▶ Alkaline hydrolysis process
- Partners – OEPA, USEPA, NASA, Louisville & Nashville Districts



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## FUDS – Other

- Preliminary Assessments & INPR's
  - ▶ Naval Ordnance Plant – closing out
  - ▶ Greenbrier – no further action at this time
  - ▶ Martinsburg VA – no action
  - ▶ US Explosives Plant C – no action
- Other reports & coordination with agencies
  - ▶ APA's
  - ▶ Ineligible properties



# Contracts

- Used to have 2 IDIQ Environmental A/E contracts
- Not enough steady work projected
- Now, mostly use Louisville District's environmental contracts
- Also, have gone to 8A and other small business contractors for work as it comes up
- Plum Brook
  - Remedial construction – alkaline hydrolysis
  - Restoration Advisory Board assistance
- WVOW
  - Operation of 2 pump & treat plants
  - O&M – maintenance of caps, wells, fences, gates, and roads
  - Mowing & well inspection
- Civil Works
  - O&M – tank removal, air quality sampling, mold sampling, transformer removal
  - Section 202 flood damage reduction – Phase I ESA's, Phase II ESA's
  - Dam rehabilitation projects – Phase I's, Phase II's
- **We have hired contractors we've met at this conference**



# Small Business Conference

**Sean C. Carter, P.E.**

Chief, Geotechnical and Water Resources  
Engineering Branch

Engineering & Construction Division

Huntington District

11 May 2010



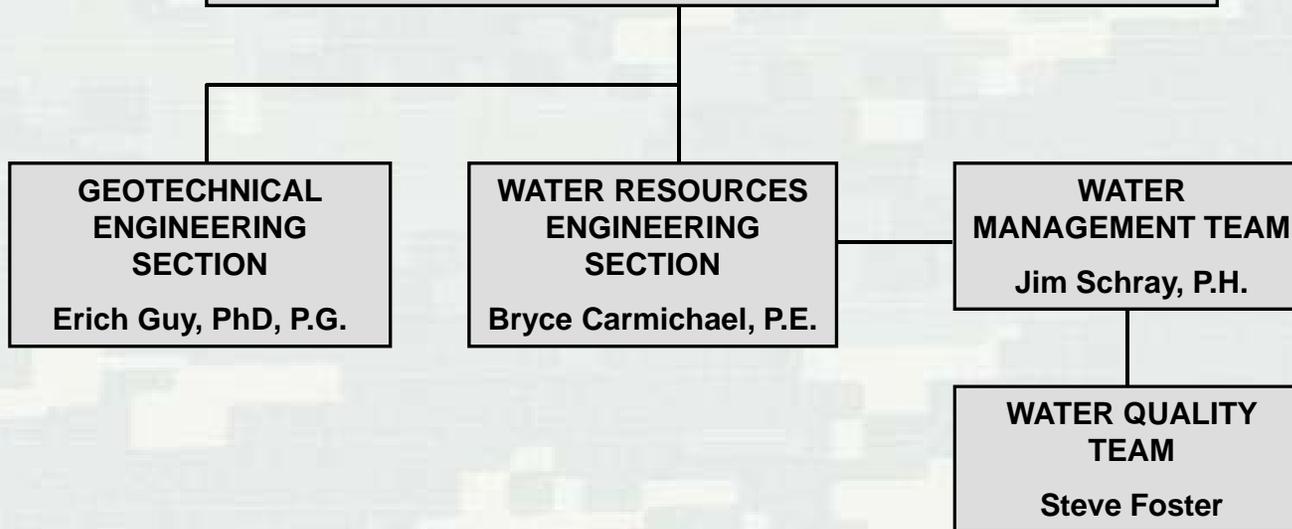
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# GEOTECHNICAL AND WATER RESOURCES ENGINEERING BRANCH

Sean C. Carter, P.E.



**Current Staff of 52 Engineers, Geologists, Biologists, Technicians,  
Students**



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# Geotechnical Engineering Section

- **Dam and Levee Safety**
- **Streambank Erosion Protection**
- **Seepage Analysis**
- **Slope Stability Analysis**
- **Materials Engineering**
- **Subsurface Exploration**
- **Data Acquisition and Monitoring**



# Water Resources Engineering Section

- **Water Management**
- **Gaging Network Maintenance**
- **Water Quality**
- **Hydraulics & Hydrology**



# Current A-E Support

- **Drilling Services**
- **Laboratory Testing for Soil/Rock**
- **Laboratory Testing for Water Quality**
- **Geotechnical Engineering Support**
- **H&H Engineering Support**



# Future Work

- **Routine O&M Water Testing**
- **Drilling/Testing for Issue Evaluation Studies on Dams**
- **Water Control Manual Updates**
- **Relief Well Maintenance**
- **Automated Data Acquisition System (ADAS) installation**



# Small Business Conference

**William A. (Bill) Miller, P.E.**

Chief, Design Branch

Engineering & Construction Division

Huntington District

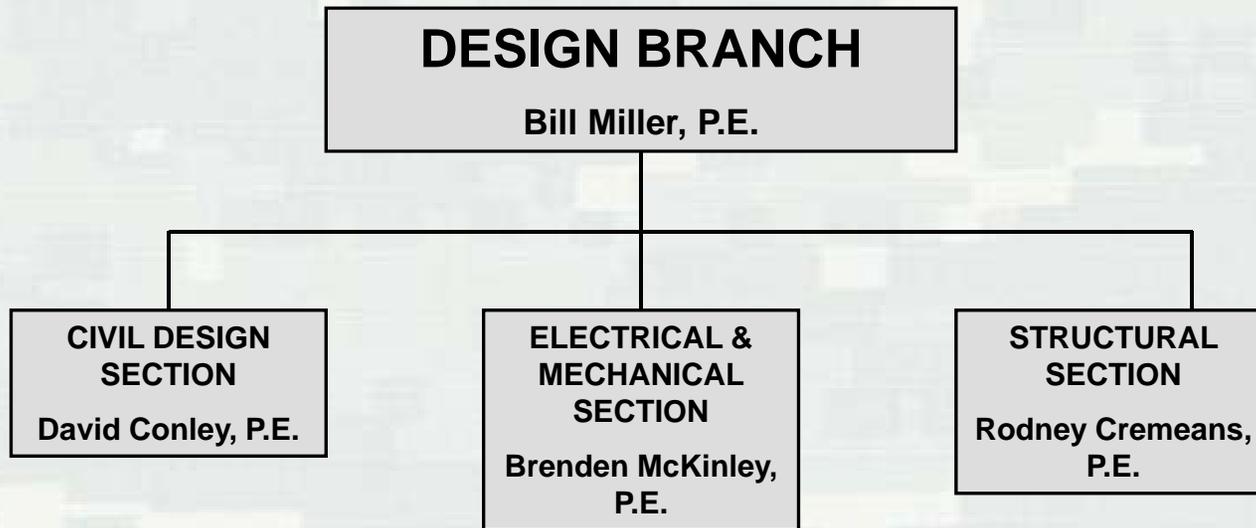
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**Current Staff of 52 Engineers, Architects, Technicians, Students**



# Civil Design Section

- **Engineering Management**
- **Civil Site Design and Layout**
- **Drainage**
- **Roads**
- **Water & Sanitary Engineering**
- **CADD**



# Electrical Mechanical Section

- **Electrical Design**
- **Mechanical Design**
- **O&M Plans, Specs, Materials**
- **Periodic Inspections**
- **Support to Operation**



# Structural Section

- **Steel and Concrete Design**
- **Architectural Services**
- **Bridge Inspections**
- **Hydraulic Steel Structure Inspections**
- **O&M Plans, Specs, Materials**
- **Periodic Inspections**
- **Support to Operation**



# Current A-E Support

- **Town of Martin Alternative School - Engineering During Construction**
- **Bridge Inspections**
- **Hydraulic Steel Structure Inspections**
- **Structural Analysis**



# Future Work

- **Non Structural Floodproofing**
- **Relocation of Government Facilities –  
Fire Stations, Libraries, etc.**
- **Bridge Inspections**
- **Hydraulic Steel Structure Inspections**
- **Bridge Design**



# Small Business Conference

**Jeremy S. Stevenson, P.E., CCE**

Chief, Cost & Technical Support Branch

Engineering & Construction Division

Huntington District

11 May 2016



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## **COST & TECHNICAL SUPPORT BRANCH**

**Jeremy Stevenson, P.E., CCE**

### **COST ENGINEERING SECTION**

**Simon Fet, P.E.,  
PMP, CCE**

### **GEOSPATIAL SECTION**

**Mack McCarty, P.S.,  
CFedS, F.SAME**

### **QUALITY MANAGEMENT SECTION**

**Amy Jo Riffée, P.E.,  
CVS**

**Current Staff of 30 Engineers, Surveyors, Technicians, Students**



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# SB AE Contracts

- Geospatial
  - ▶ 2 engineering Field Surveys AE IDIQ Contracts (Expire FEB17)
  - ▶ Currently Procuring Geospatial Services AE IDIQ Contracts (NTE 3 Contracts)



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# SB AE Contracts

- Cost Engineering
  - ▶ 4 National AE IDIQ Contracts (NWW)
    - 2 Large & 2 Small (\$10M ea)
  - ▶ 2 Huntington AE IDIQ Contracts
    - 1 Large & 1 Small (\$5M)
  - ▶ SB partnering w/LB



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# Current A-E Support

- **Interagency Support Cost Engineering**
  - ▶ **Key USACE Interagency Support Customers**
    - DOE-NNSA
    - DOE-PM
    - DOE-EM
    - Others (DVA, DAF, DHS, etc.)
- **Geospatial**



# Future Work

- **Cost Engineering Civil Works & IIS**
  - ▶ **Key USACE Interagency Support Customers**
    - DOE-NNSA
    - DOE-PM
    - DOE-EM
    - Others (DVA, DAF, DHS, etc.)
- **Geospatial**

