

# East Branch Dam Safety Modification Project

PUBLIC INFORMATION MEETING  
October 15, 2014

Johnsonburg, PA

*US Army Corps of Engineers,  
Pittsburgh District*



# Meeting Agenda

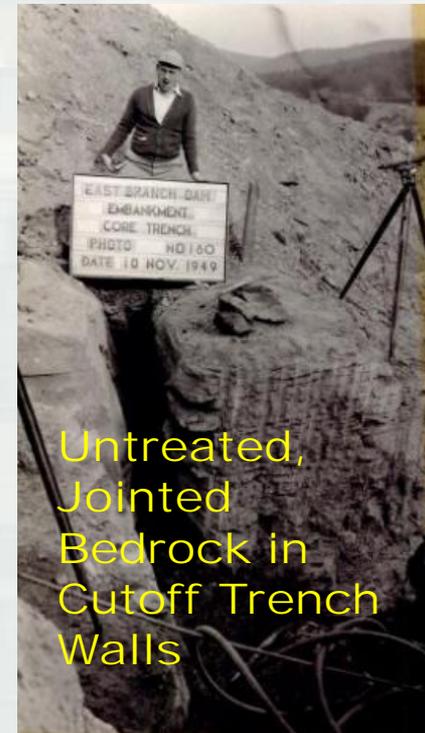
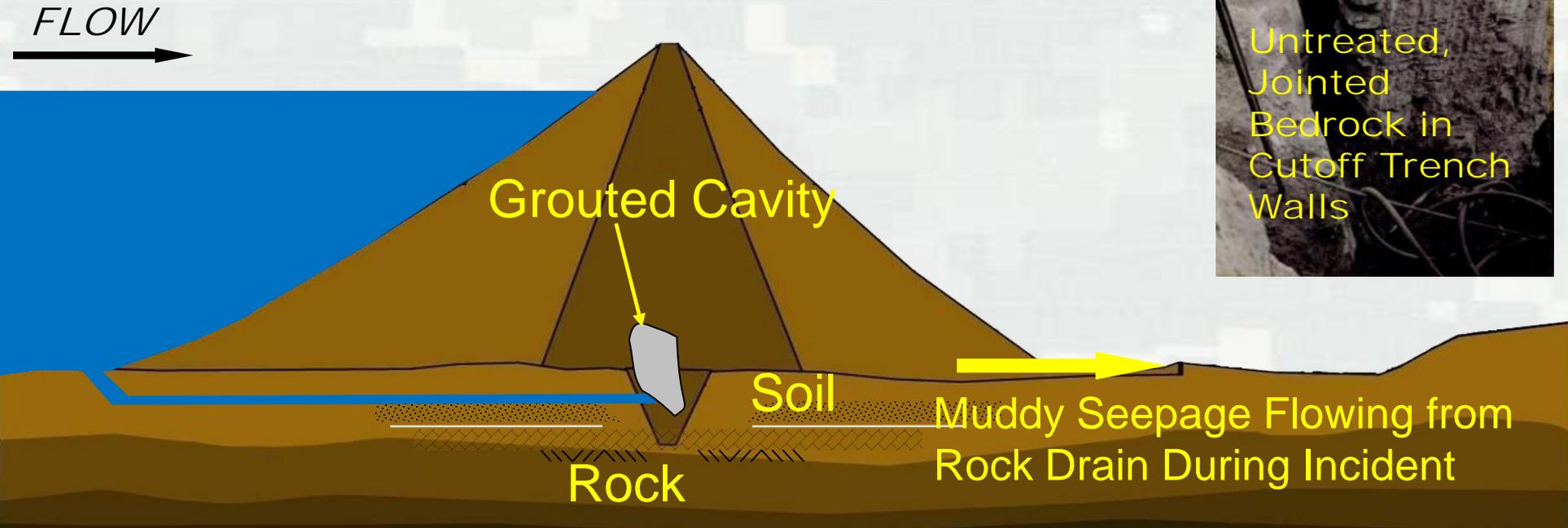
- **Opening Remarks** – for the Commander, Mark Jones, Chief of Engineering & Construction and Dam Safety Officer
  - **What's Done** – Mike Rattay, Project Manager
  - **What To Expect Next** – Kim Warner, East Branch Resident Engineer
  - **East Branch Lake Facilities** – Mike Setlock, East Branch Lake Resource Manager
  - **Questions**



# WHAT'S DONE

## 1957 Emergency Repair

Dam failure averted in 1957,  
but risk for re-initiation of  
internal erosion remains.



# WHAT'S DONE

- **1957 to 2008** – Monitor Dam
- **2008 to 2019** - Interim Risk Reduction
- **2008 to 2010** – Dam Safety Study
- **2010 to 2014** – Preconstruction, Engineering & Design
- **2011** - Initiate Construction



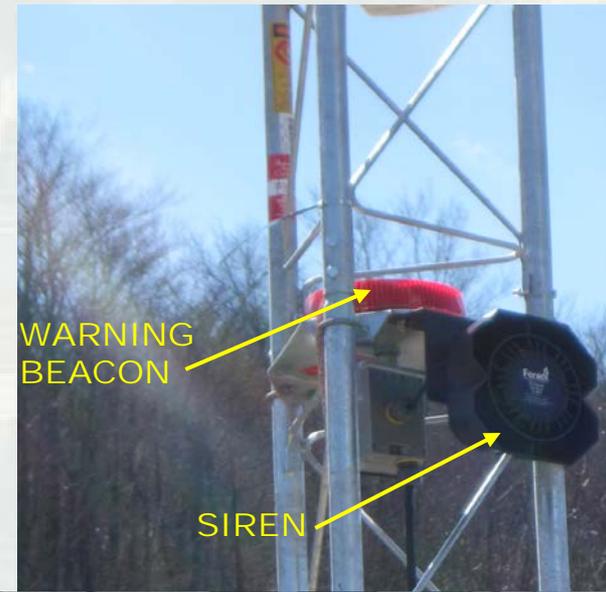
# WHAT'S DONE

## Site Development Construction Contracts



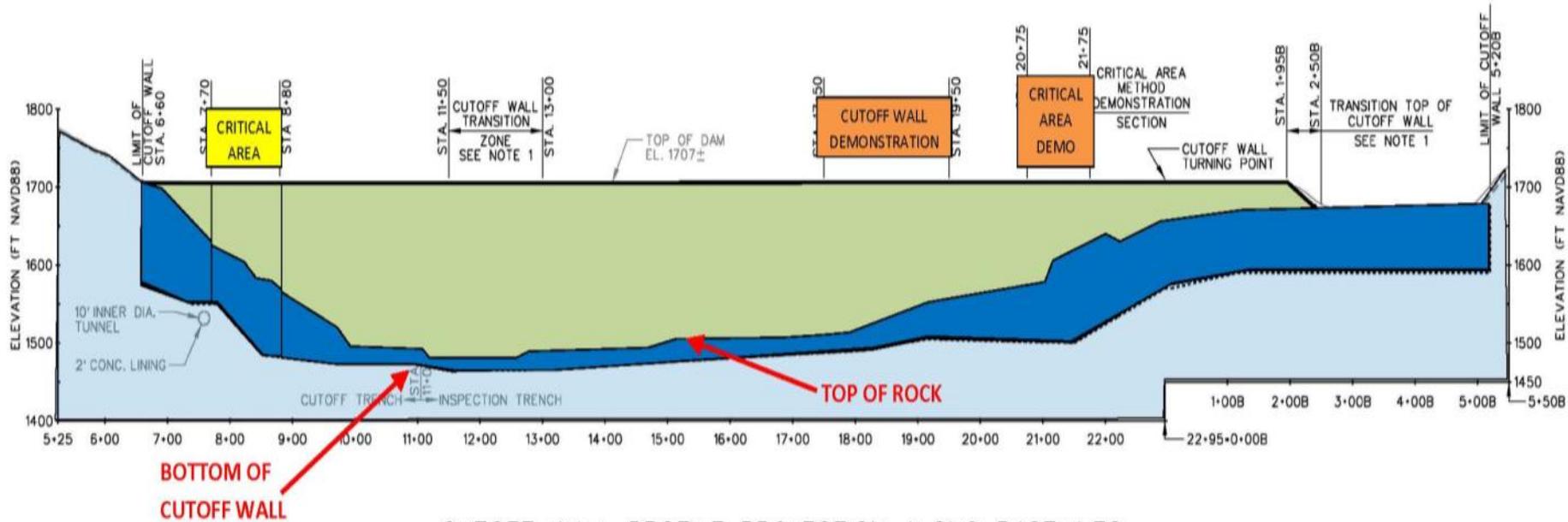
# WHAT'S DONE Instrumentation

- 2012 – Nine new Piezometers Installed
- 2013 – Data Loggers Installation
- 2013 - 2014 – Automated Data Acquisition and communications for Critical Instruments



# WHAT'S DONE

## Cutoff Wall Design



CUTOFF WALL PROFILE PROJECTION ALONG BASELINES

STA. 5+25 TO 22+95 AND STA. 0+00B TO 5+50B

(FACING UPSTREAM)  
SCALE: 1"=100'

- |   |  |
|---|--|
|  Bedrock                       |  Critical Area (Special Precautions in Soil and Rock) |
|  Cutoff Wall Excavation (Soil) |  Demonstration Sections                               |
|  Cutoff Wall Excavation (Rock) |  |

# WHAT'S DONE

## Cutoff Wall Contract Award

- **26 Aug 2014** – Award to Layne Christensen Company
  - Amount: \$132,504,348
- **17 Sep 2014** – Notice To Proceed
  - 1740 day Period of Performance
- **23 Jun 2019** – **Current Required Contract Completion**



# Layne Christensen Company

## Frisco, Texas

- **Tim Myers**
  - Director of Operations
- **Gunni Nixon**
  - Small Business/Subcontracting/Local Employment



# WHAT TO EXPECT NEXT

## Dam Safety Monitoring & Exercises

- **Instrumentation**
  - Automated & manual readings
- **Visual Inspection**
  - Continued 24-hour government presence
- **Government's Emergency Action Plan**
  - Exercises with emergency responders



# WHAT TO EXPECT NEXT

## Preconstruction Requirements

- Contract Submittals
- Obtain Necessary Permits
- Pre Construction Surveys
- Setup Data Management System
- Contractor Office & Staging Areas
- Install new instrumentation
- Exploratory Borings
- Platform Construction



# WHAT TO EXPECT NEXT

## Work Platform Construction

- **Platform Geometry**

- 100 ft maximum width
- 30° maximum slope for slope stability

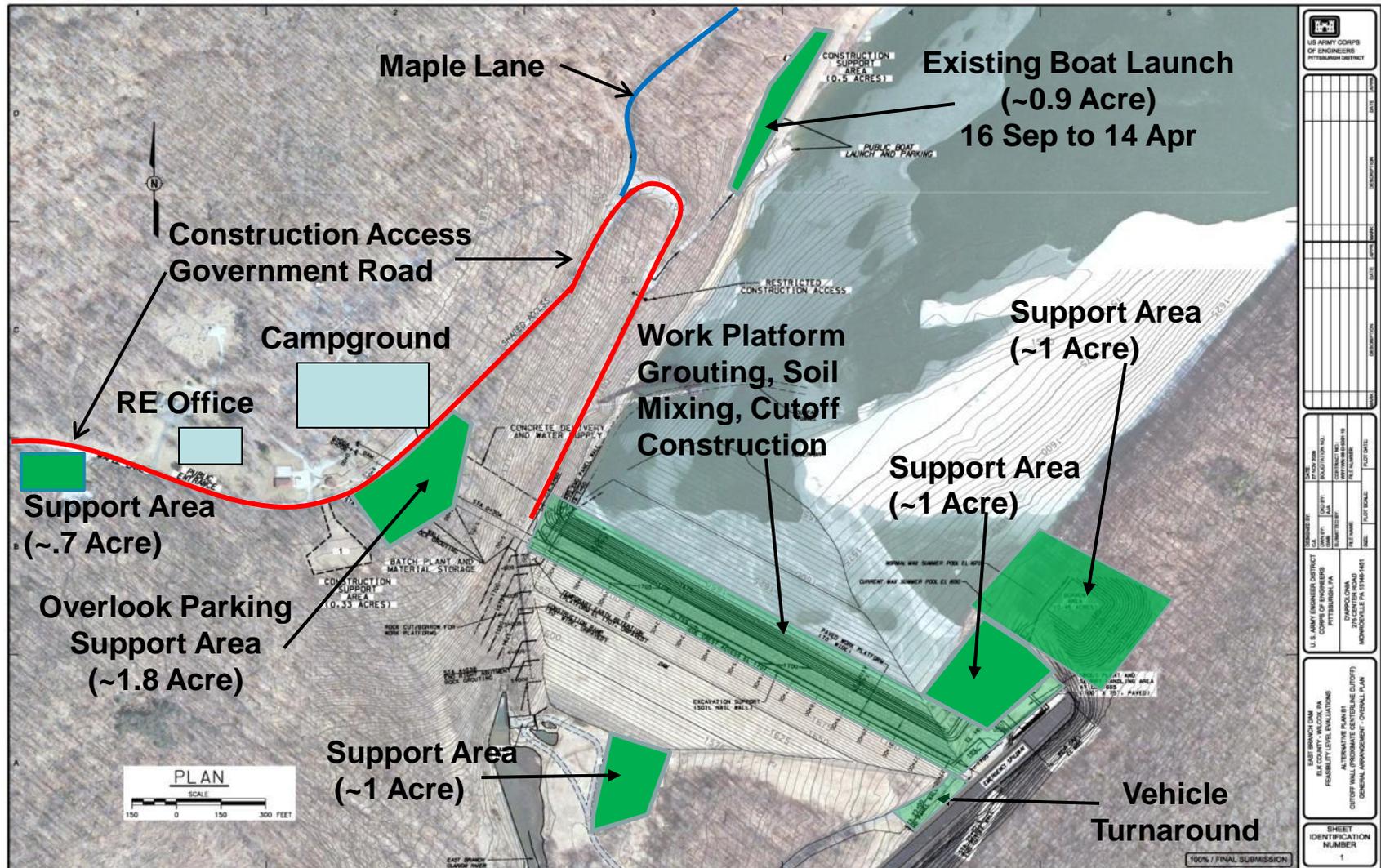
- **Concrete Work Surface**

- Along Crest of the Dam



# WHAT TO EXPECT NEXT

## Contractor Work Area Utilization



# WHAT TO EXPECT NEXT

## Increased Traffic East Branch Dam Road



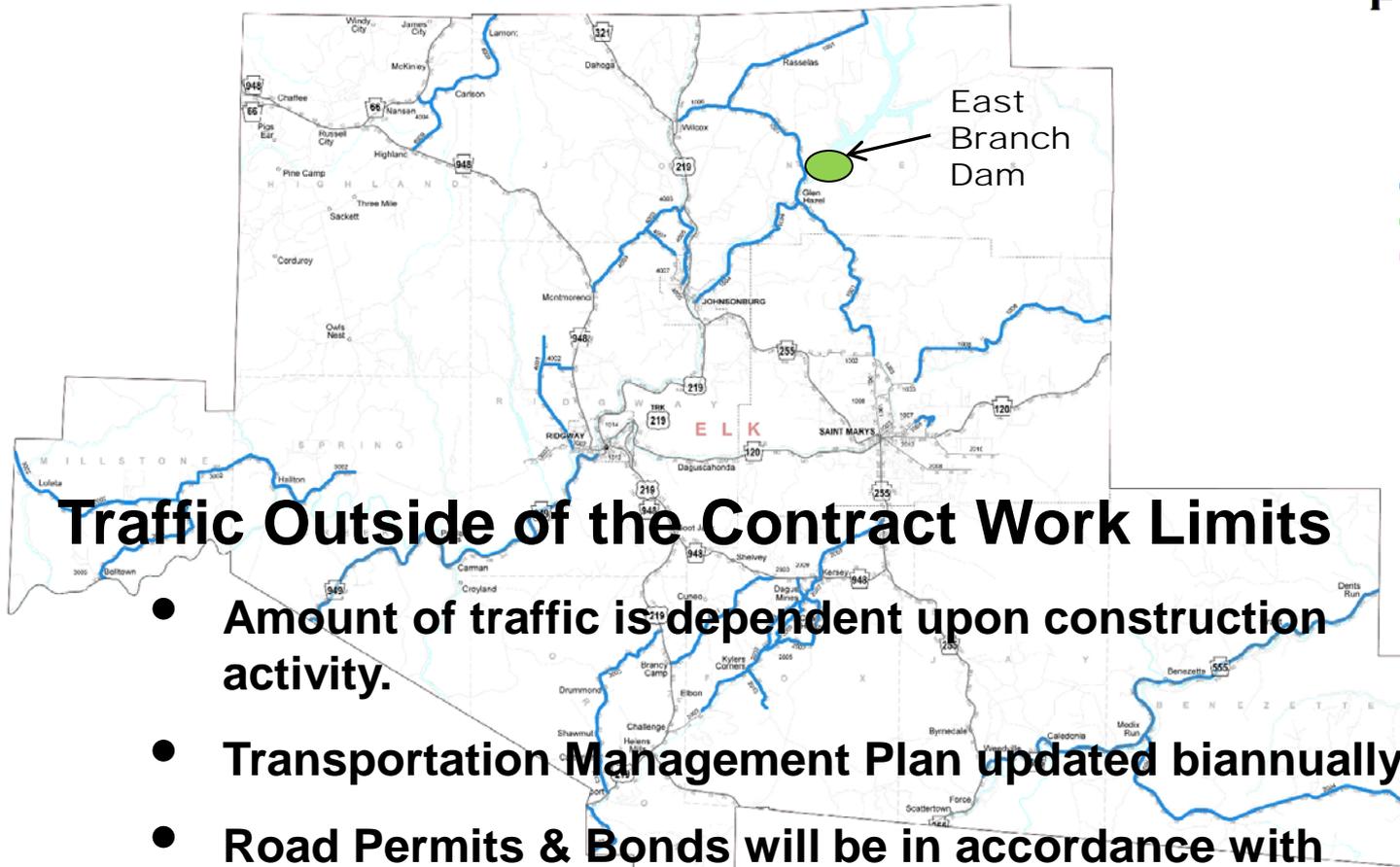
- **Traffic Control Plan**
  - Maintain access to Private Properties
  - Maintain access to Maple Lane



# WHAT TO EXPECT NEXT

## Increased Traffic on Public Roads

### ELK COUNTY POSTED HIGHWAYS



### Traffic Outside of the Contract Work Limits

- Amount of traffic is dependent upon construction activity.
- Transportation Management Plan updated biannually.
- Road Permits & Bonds will be in accordance with Penn Dot and local requirements.



DISTRICT GEOGRAPHIC INFORMATION DIVISION  
ENGINEERING DISTRICT 3-0  
FOR FURTHER INFORMATION OR COMMENTS CONTACT:  
GIS COORDINATOR AT (814) 768-0728  
GIS PRODUCT NO. 1254  
01-14-13

# EAST BRANCH LAKE FACILITIES



- 41 Site Campground (Closed for Construction)
- Overlook Day Use Area (Closed for Construction)
- Corps Managed Boat Launch & Parking Lot (Closed 5 Oct @ 1620.27' due to low water; Reopen 15 Apr 2015)
- Kilgus Road Canoe/Kayak Launch (Open)
- Instanter Boat Launch (Elk State Park) (Closed on 30 July @ 1633')



# EAST BRANCH LAKE FACILITIES

## Install Barrier Float



# EAST BRANCH LAKE FACILITIES

## Other Areas Closed To The Public

- No public access across the dam starting 3 Nov.
- Boat Launch 15 Sep-14 Apr

## Other Areas Open To The Public

- Kilgus Road Canoe/Kayak Access & Delayed Harvest fishing area below the outflow
- Boat Launch 15 Apr-14 Sep: May be closed periodically depending on contractor needs.
- Instanter Picnic Area: open year round



# CONTACT INFORMATION

## East Branch Dam Operations

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## East Branch Resident Office

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## Media and General Inquiries

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## Community Information System

### Websites:

[www.lrp.usace.army.mil/Missions/Planning,ProgramsProjectManagement/HotProjects/EastBranchDamRepair](http://www.lrp.usace.army.mil/Missions/Planning,ProgramsProjectManagement/HotProjects/EastBranchDamRepair)

[www.facebook.com/EastBranchLakeUSACE](https://www.facebook.com/EastBranchLakeUSACE)



# QUESTIONS ?

