

East Branch Dam Safety Modification Project

PUBLIC INFORMATION MEETING
October 14, 2015

Johnsonburg, PA

*US Army Corps of Engineers,
Pittsburgh District*



Meeting Agenda

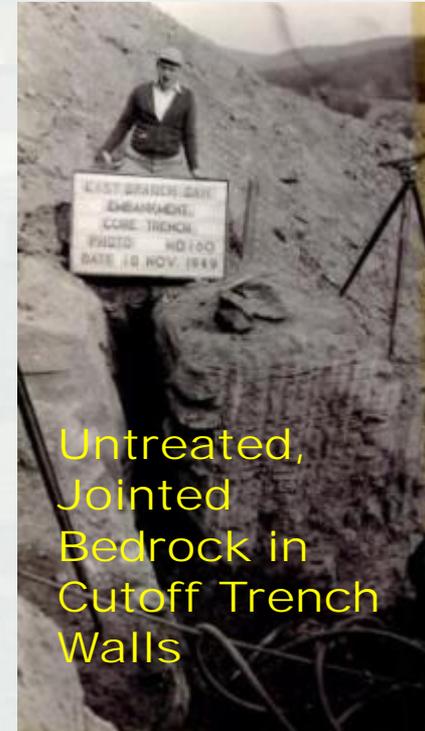
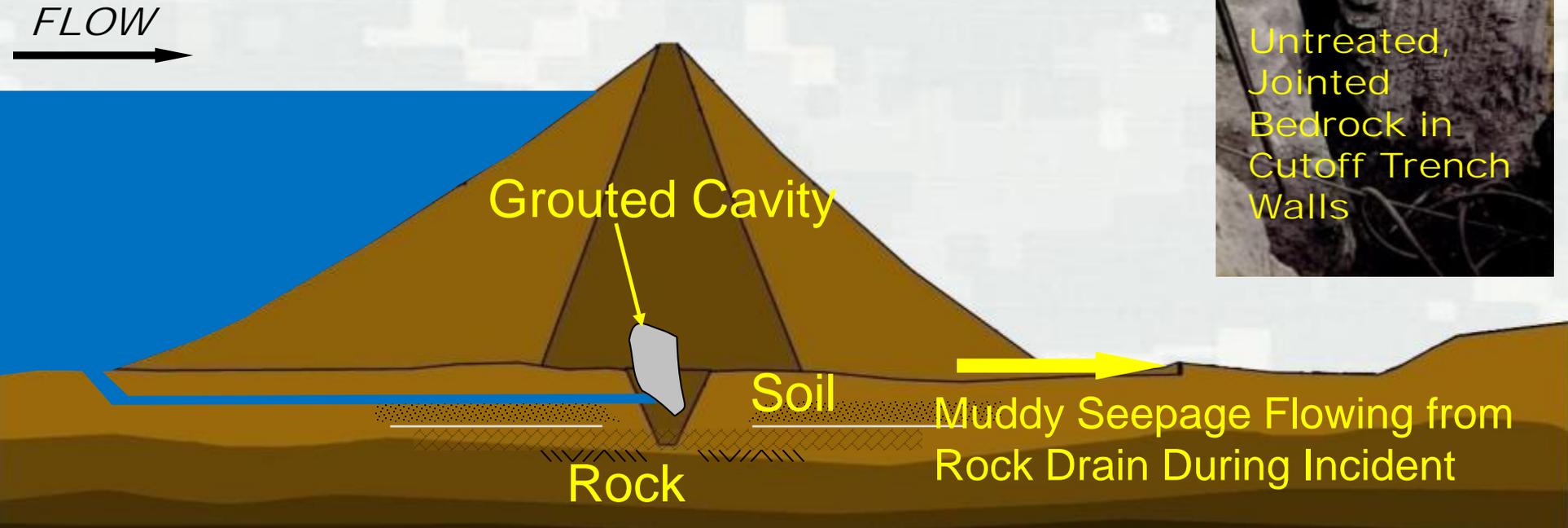
- **Opening Remarks** – District Commander, Colonel Bernard R. Lindstrom
 - **What's Done** – Mike Rattay, Project Manager
 - **Construction Update** – Kim Warner, East Branch Resident Engineer
 - **East Branch Lake Facilities** – Autumn Rodden, East Branch Lake Resource Manager
 - **Questions**



WHAT'S DONE

1957 Emergency Repair

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



Untreated,
Jointed
Bedrock in
Cutoff Trench
Walls

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



BUILDING STRONG®

WHAT'S DONE

Site Development Construction Contracts



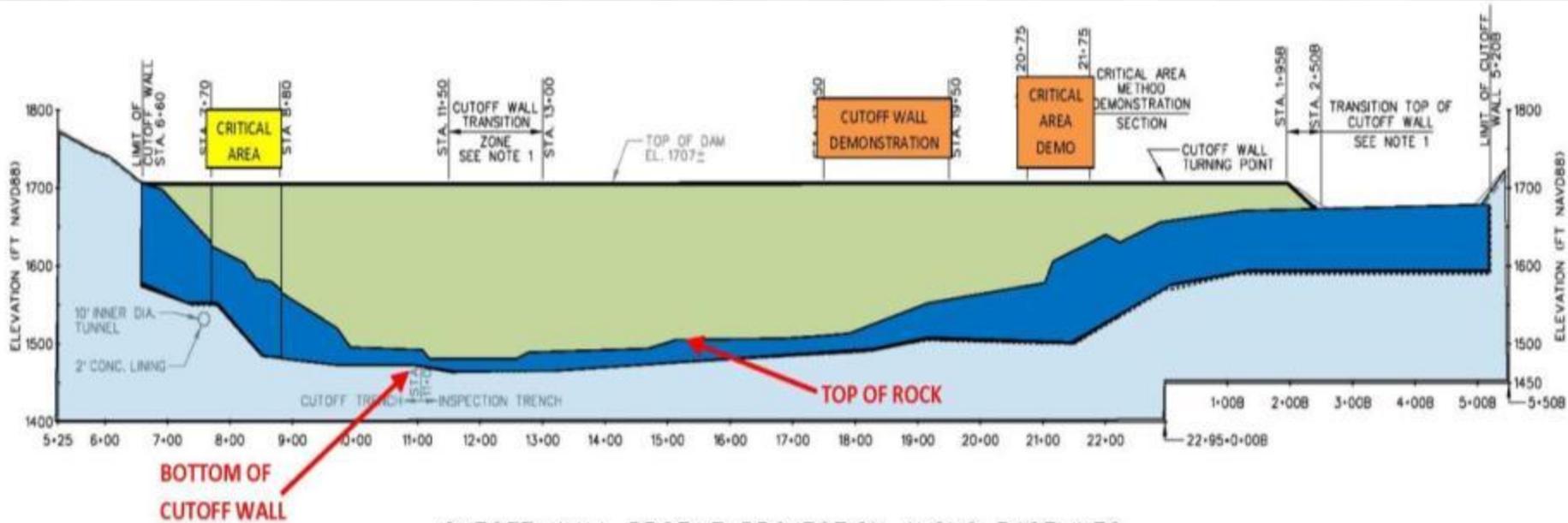
WHAT'S DONE Instrumentation

- 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 made to Layne Christensen Company
 - Amount: \$132,504,348
- **17 Sep 2014** – Notice To Proceed
 - 1740 day Period of Performance
- **16 Sep 2015** – Contract Novation to Keller Walls, Inc.
- **23 Jun 2019** – **Scheduled Construction Completion**



Keller Walls Inc.

Frisco, TX

- **Tim Myers**
 - Director of Operations
- **Jeff Garon**
 - Project Manager



CONSTRUCTION UPDATE



CONSTRUCTION UPDATE

Dam Safety Monitoring & Exercises

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



CONSTRUCTION UPDATE

Emergency Planning

- 6 May 2015 – On Site First Responder Exercise
- 12 Aug 2015 – Elk Co. Table Top Exercise
 - Confirmed Inundation Mapping Capability
- Future Activities – Table Top Exercise with USACE, Elk Co., and Local Emergency Managers

CONSTRUCTION UPDATE

Increased Traffic



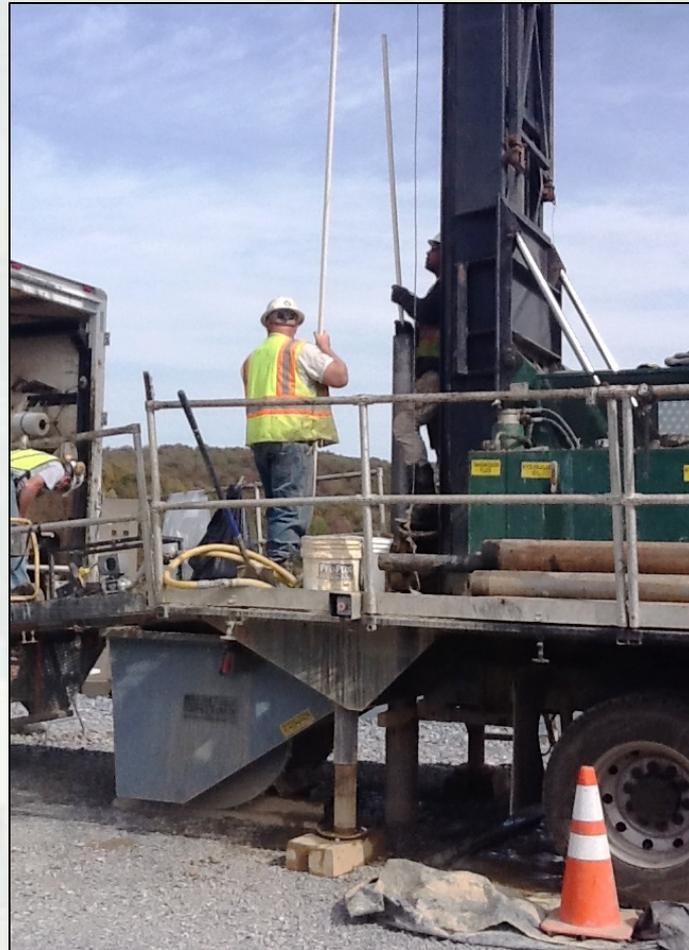
- Amount of traffic is dependent upon construction activity.
- Road Permits & Bonds will be in accordance with PennDOT and local requirements.
- As of 01 October: 12,130 Trucks for a total of 288,695 tons of stone delivered to the dam.



CONSTRUCTION UPDATE

Instrumentation Installation

- Piezometers
- Inclinometers



CONSTRUCTION UPDATE

Guide Walls



CONSTRUCTION UPDATE

PLATFORM FILL



Construction began 05 March 2015;
Complete 08 October 2015



CONSTRUCTION UPDATE

WHAT'S
NEXT?



- Complete construction of concrete guidewalls.
- Complete construction of concrete platform surface.
- Drilling and grouting operations.



ECONOMIC IMPACTS

POSITIVES!

- Upgraded facilities at East Branch.
- Local hiring.
- Use of Local Contractors & Suppliers.
- Housing Rentals, Hotels.
- Restaurants, grocery, gas stations, etc.
- Fuel & Oil, machine parts, equipment rentals.
- Road repairs on SR 1001 and 1004.
- East Branch Lake still contributes to flood protection, fisheries and water quality benefits while under repair.
- Once complete, the Lake will continue serving the region in public safety, flood protection, recreation, and water quality for generations to come.



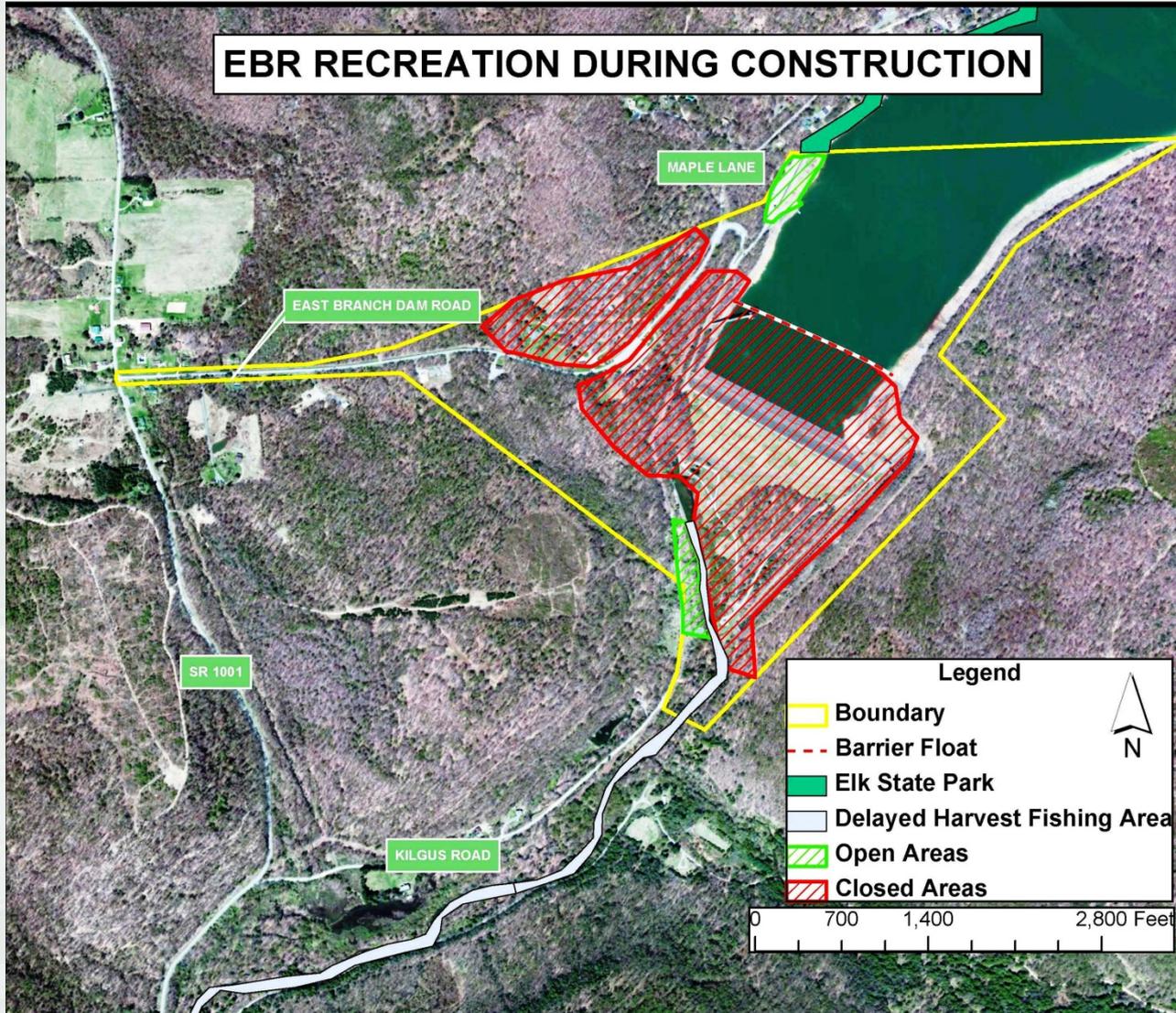
EAST BRANCH LAKE FACILITIES



- 41 Site Campground (Closed for Construction)
- Overlook Day Use Area (Closed for Construction)
- Corps Managed Boat Launch & Parking Lot (Closed for the season; to reopen in mid-April)
- Kilgus Road Canoe/Kayak Launch (Open)
- Instanter Boat Launch (Elk State Park (Closed for the season; to reopen in mid-April))
- No public access across the dam.



EAST BRANCH LAKE FACILITIES



EAST BRANCH LAKE FACILITIES

Traffic Control Measures/Install Barrier Float



1. STOP SIGN: at the top of hill intersection with access road

2. YIELD SIGN: near the lower gate for traffic leaving the dam

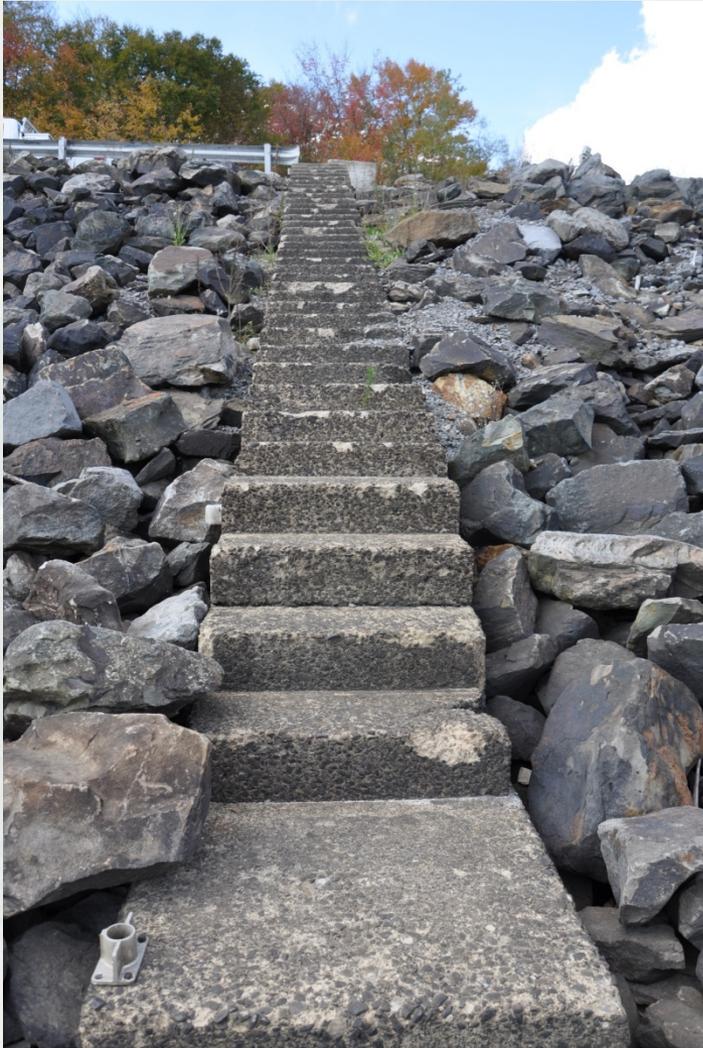
3. CAUTION SIGN: near the upper gate

4. 10 MPH SIGN: just before the horseshoe curve



EAST BRANCH LAKE FACILITIES

What else are we working on?



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CONTACT INFORMATION

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Community Information System

Websites:

www.lrp.usace.army.mil/Missions/Planning,ProgramsProjectManagement/HotProjects/EastBranchDamRepair

www.facebook.com/EastBranchLakeUSACE



QUESTIONS ?

