

East Branch Dam Safety Modification Project

PUBLIC INFORMATION MEETING
April 16, 2015

Johnsonburg, PA

*US Army Corps of Engineers,
Pittsburgh District*



Meeting Agenda

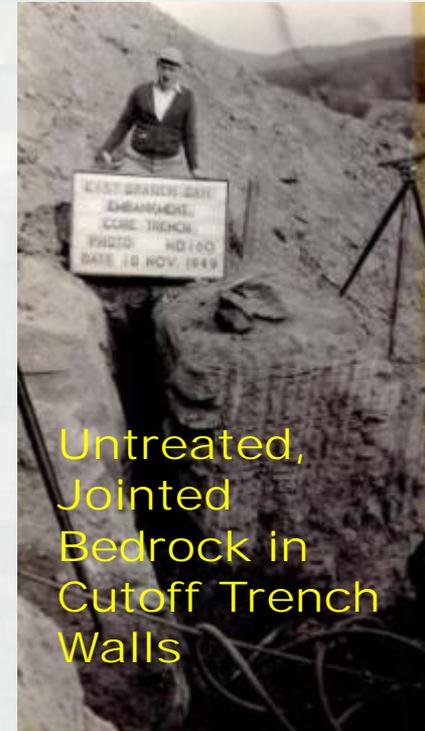
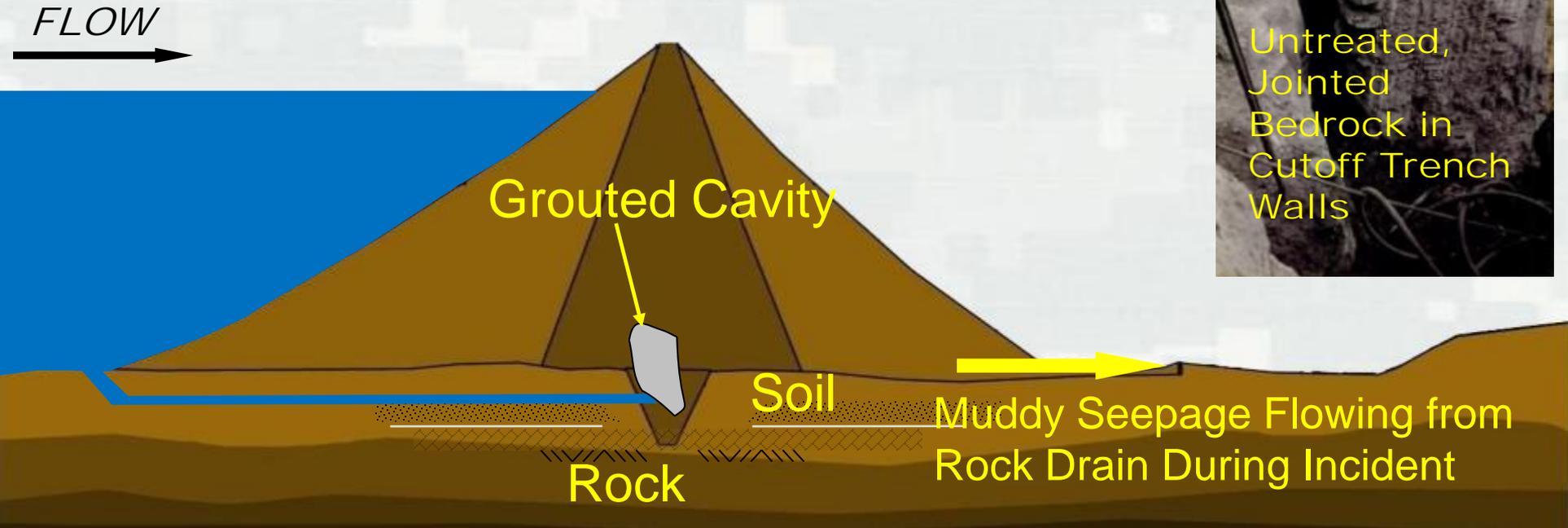
- **Opening Remarks** – District Commander, Colonel Bernard R. Lindstrom
 - **What's Done** – Mike Rattay, Project Manager
 - **Construction Update** – Kim Warner, East Branch Resident Engineer
 - **East Branch Lake Facilities** – Mike Setlock, East Branch Lake Resource Manager
 - **Questions**



WHAT'S DONE

1957 Emergency Repair

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



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



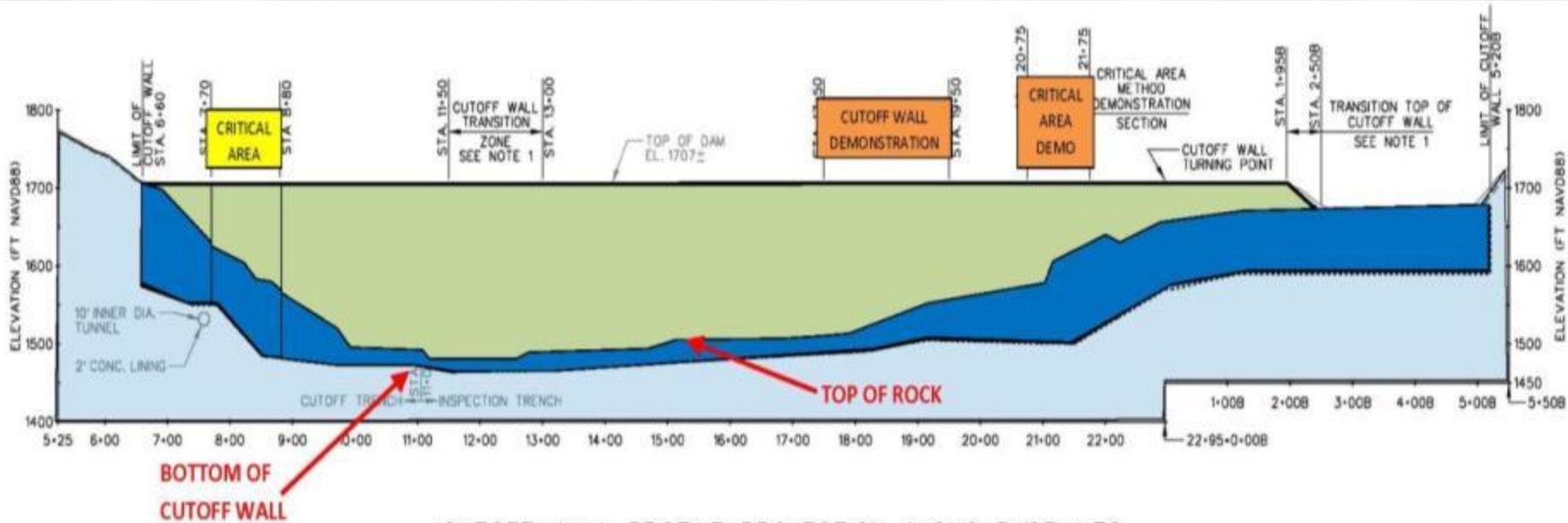
WHAT'S DONE Instrumentation

- 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 to Layne Christensen Company
 - Amount: \$132,504,348
- **17 Sep 2014** – Notice To Proceed
 - 1740 day Period of Performance
- **23 Jun 2019** – **Scheduled Construction Completion**



Layne Christensen Company

Frisco, Texas

- **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

Increased Traffic



- Amount of traffic is dependent upon construction activity.
- Road Permits & Bonds will be in accordance with PennDOT and local requirements.
- As of 10 April: 3,422 Triaxle Trucks for a total of 82,455 tons of stone delivered to the dam.



CONSTRUCTION UPDATE

INSTALL E&S CONTROLS



CONSTRUCTION UPDATE

TEST FILL



CONSTRUCTION UPDATE

PLATFORM FILL



Construction began 05 March 2015

Stone Hauling running 2 shifts,
Monday - Friday



CONSTRUCTION UPDATE

WHAT'S
NEXT?



- Install Barrier Float across the lake.
- Install 3 Inclinometers (downstream of crest).
- Continue platform fill; construct concrete platform.



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.



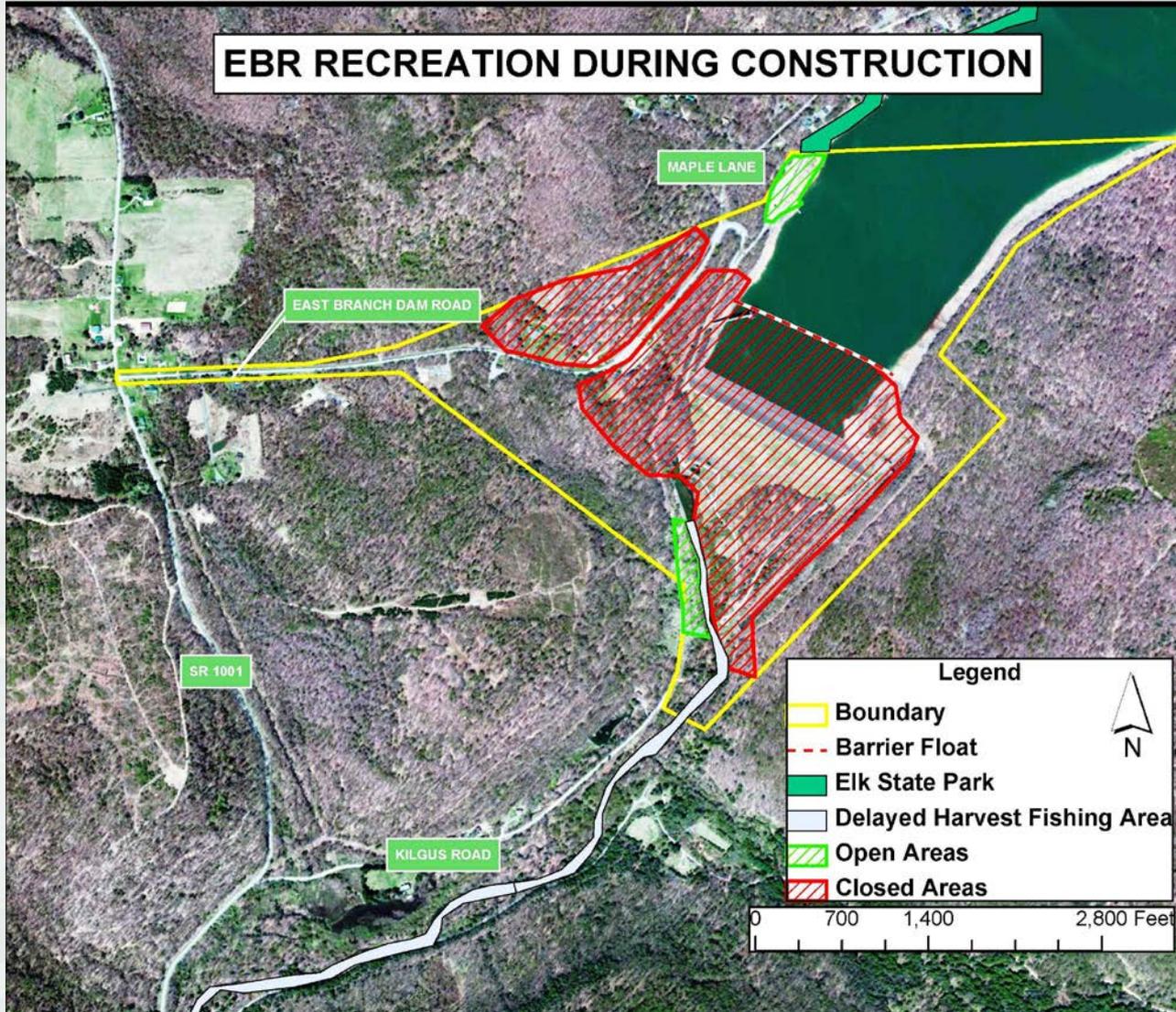
EAST BRANCH LAKE FACILITIES



- 41 Site Campground (Closed for Construction)
- Overlook Day Use Area (Closed for Construction)
- Corps Managed Boat Launch & Parking Lot (Expected to Open 17 Apr)
- Kilgus Road Canoe/Kayak Launch (Open)
- Instanter Boat Launch (Elk State Park) (Expected to Open 16 Apr)
- 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



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 ?



13-Apr-2015

East Branch Clarion River Lake 1650-1623 Interim Water Control Plan

