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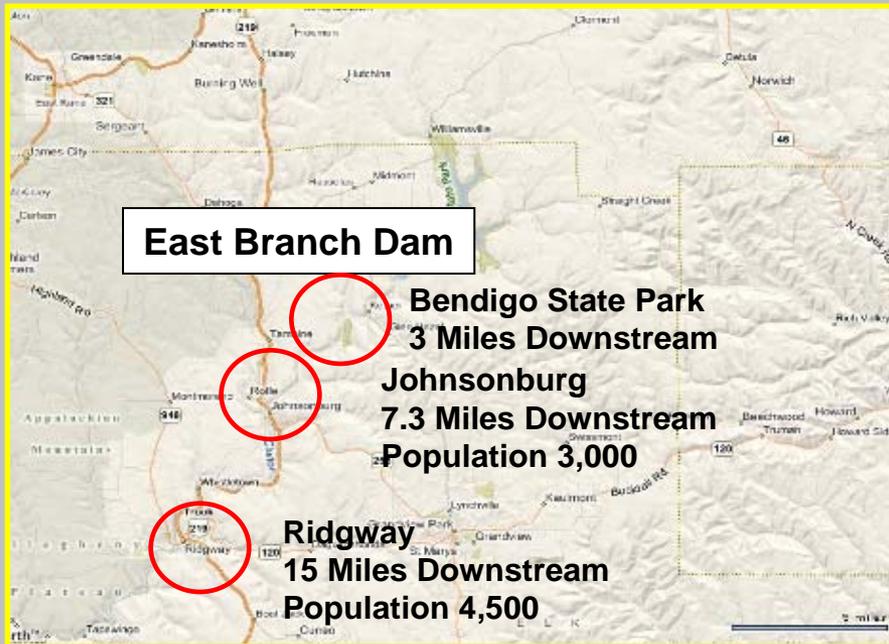
East Branch Dam Safety Initiative Meeting

October 15, 2008 Johnsonburg, Pa.





Why We Are Here



- Public Safety is Number One Priority
- New Risk-Informed Methodology
- Communicate Risk and Actions to Reduce Risk



How We Got Here



Initial Risk Assessment:

“Potentially unsafe due to confirmed and unconfirmed concerns...”

Confirmed concern = Serious 1957 Seepage Event

Unconfirmed concerns = Unknown condition of Repair, Potential to reoccur



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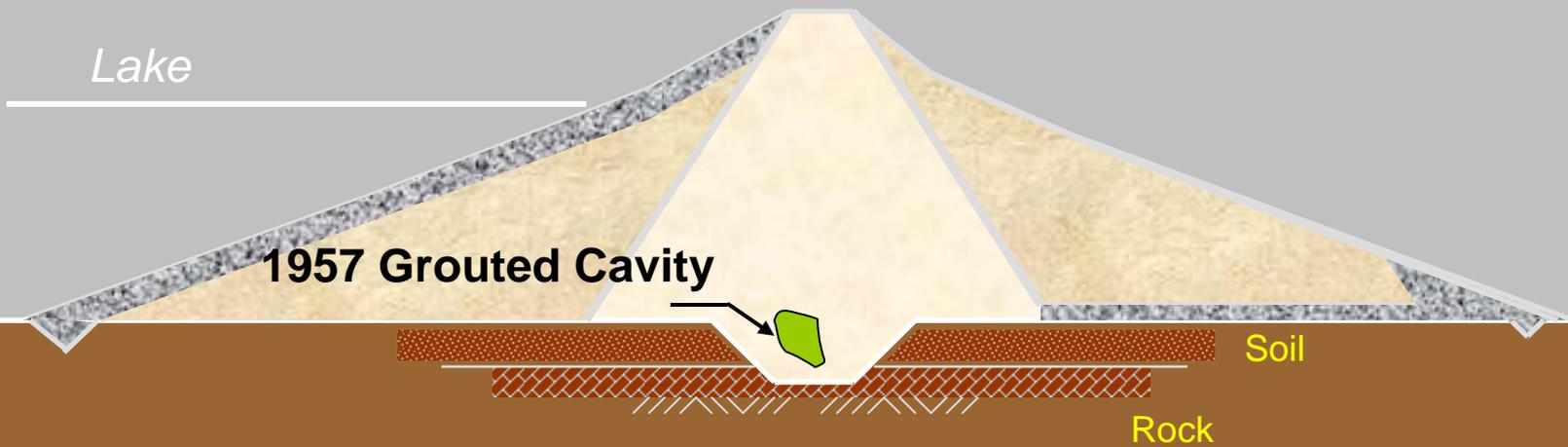
1957 Seepage Event



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Embankment Cross Section





What Has Changed

No Apparent Physical Changes

Risk Management Approach

East Branch Dam Screened –
“Potentially Unsafe” due to Unconfirmed
Concerns

Detailed Risk Analysis





What We Are Doing

Implementing interim risk reduction measures, including lowering the pool

Engaged local officials, industry, media, public

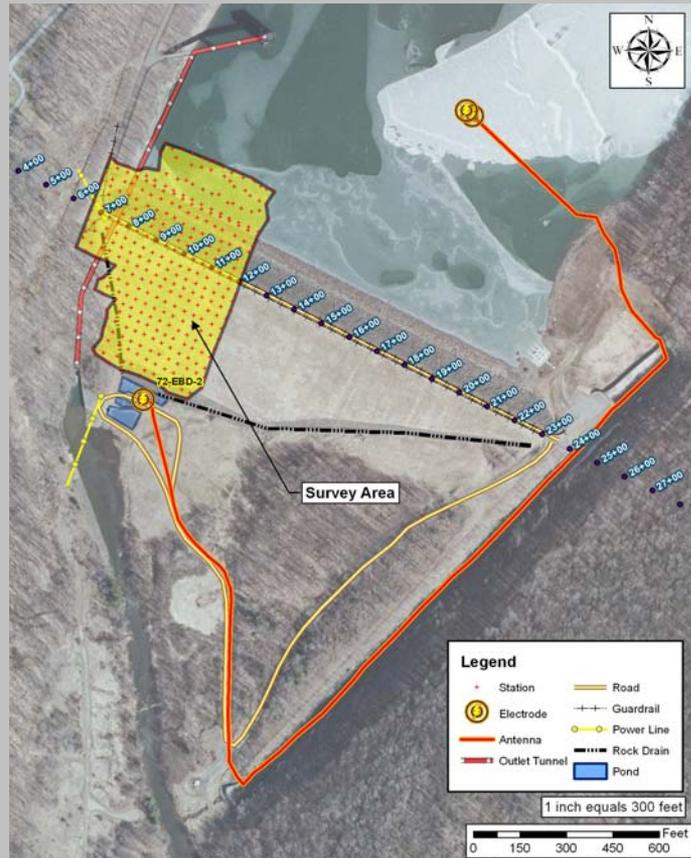
Initiated several actions and studies





Seepage Flow Path Mapping

Results support Corps' decision to maintain lower pool





Additional Actions

24 hour staffing

Drilling, soil collection

Environmental and water quality studies

Onsite equipment and supplies

Emergency phone drill

Lighting and material storage





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Additional Actions

Water intake extension



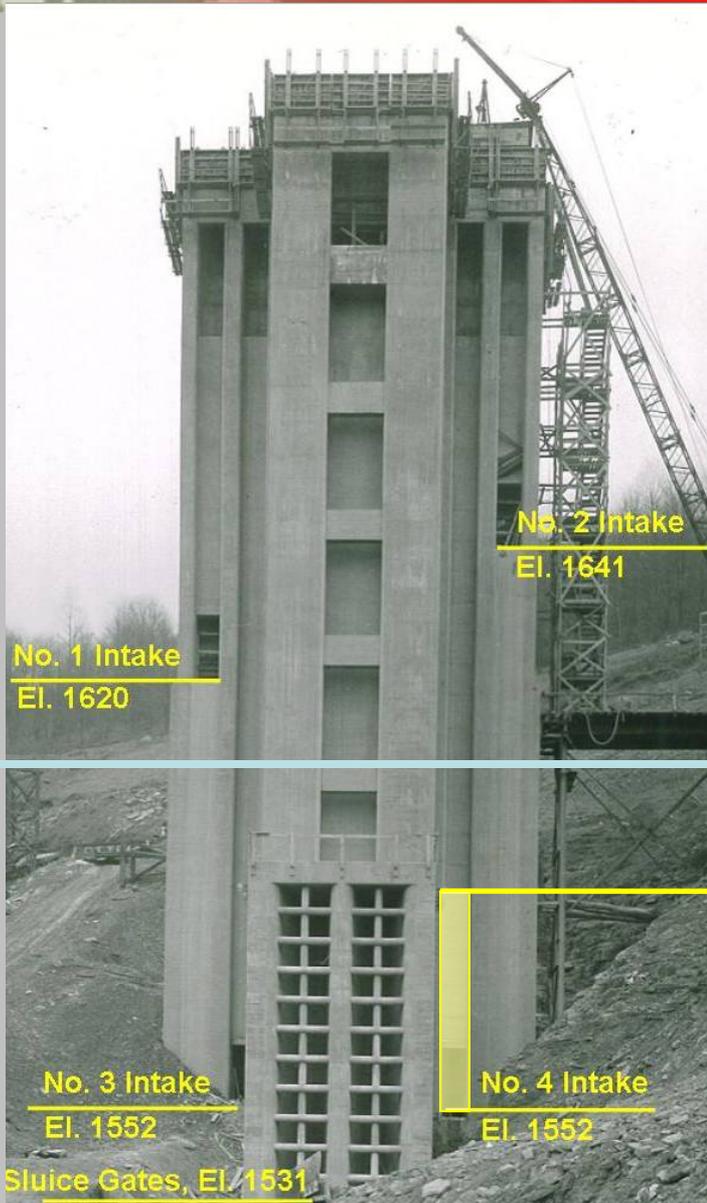
18/08/2008



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Additional Actions

Water intake extension



No. 1 Intake
El. 1620

No. 2 Intake
El. 1641

No. 3 Intake
El. 1552

No. 4 Intake
El. 1552

Sluice Gates, El. 1531

Current Lake Level

El. 1606.3

Chute raises intake level for Gate No. 4

El. 1578.5



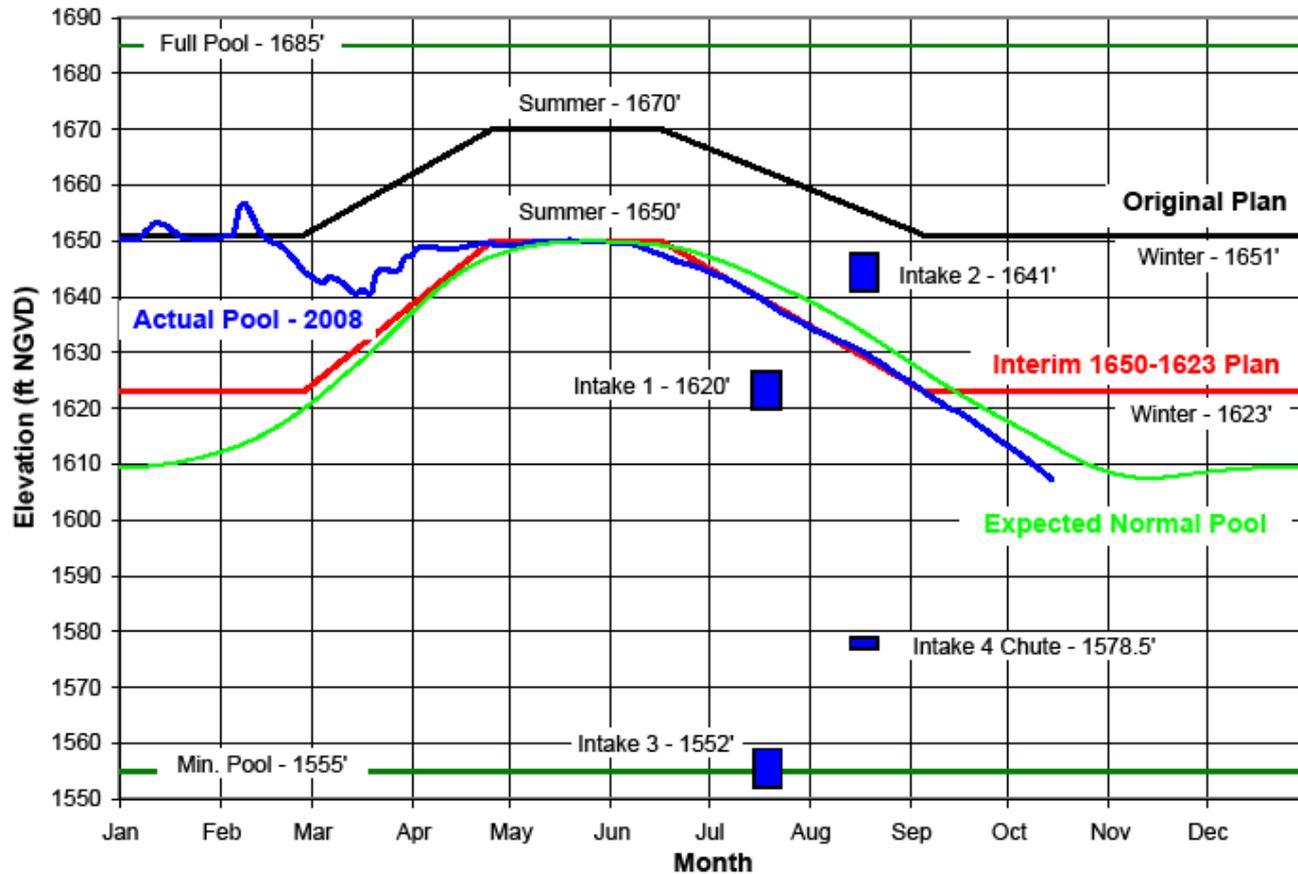
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14 October 2008

East Branch Lake 1650-1623 Interim Water Control Plan





The Way Forward

Advisory Panel In Place

Environmental Assessment Winter 2009

Drilling Fall 2008 to Spring 2009

Dam Safety Modification Study Fall 2009

Design Permanent Repair 2010

Construction begins 2011



Communications

Tours of the dam

Internal

Stakeholders Teleconferences

Public Meetings

Media Engagement

Web Site





Resources

East Branch Dam Operations:

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www.lrp.usace.army.mil/rec/lakes/eastbran.htm

Email: EastBranch@usace.army.mil



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Discussion



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Reference Slides



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Effects of Lower Pool...Less Water

Public Health and Safety

- Reduce Dam Safety Risk
- Discharge Permits, Water Intakes
- Water Quality

Socio-Economic

- Paper Mill Jobs
- Hydropower Production
- Recreation Revenue

Environmental

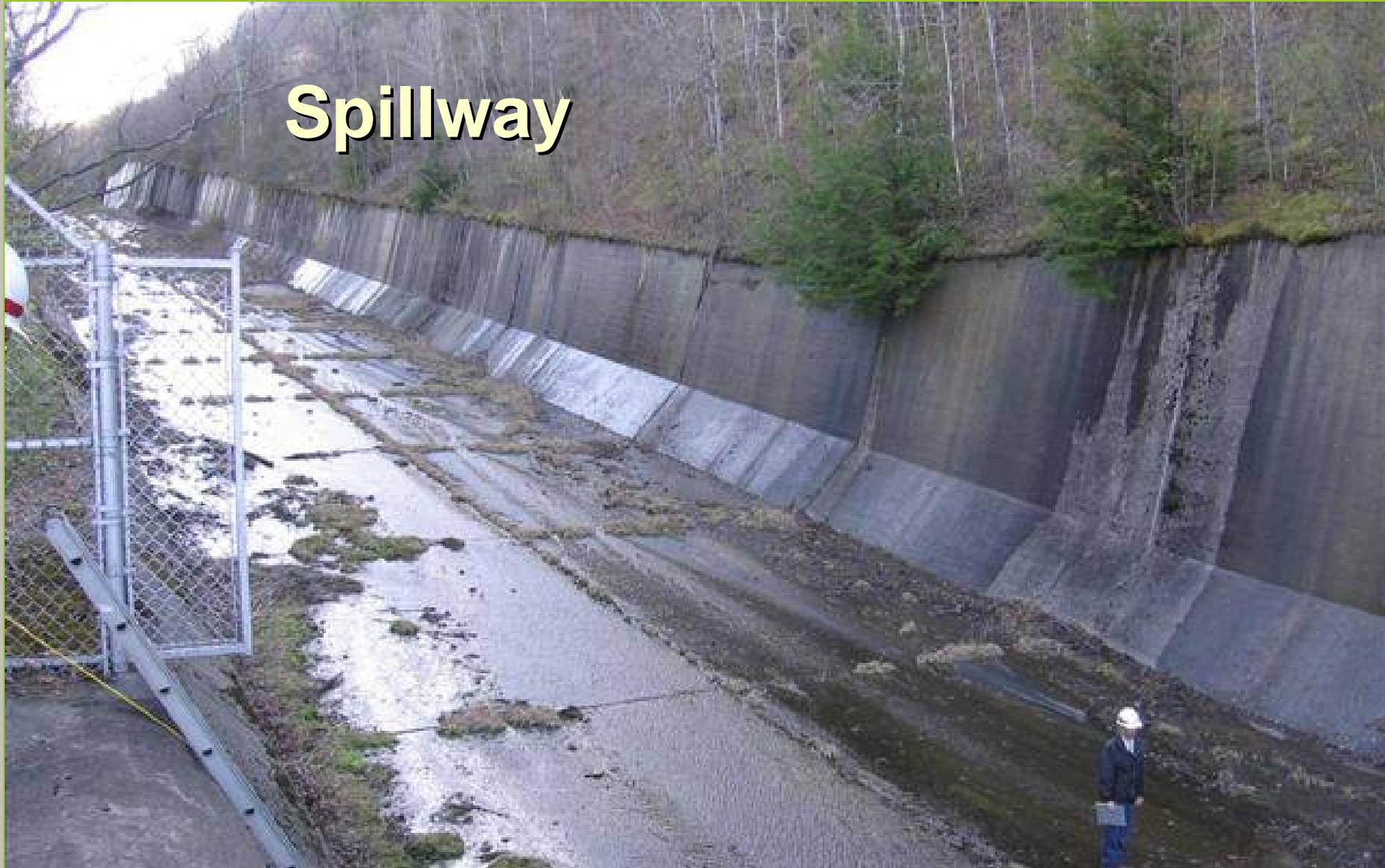
- Warmer Lake Water
- Cooler Outflow
- Aquatic Habitat – Lake & Downstream

Recreation

- Boat Launch and Dock Access
- Lake Surface Area
- 'Wild & Scenic River'

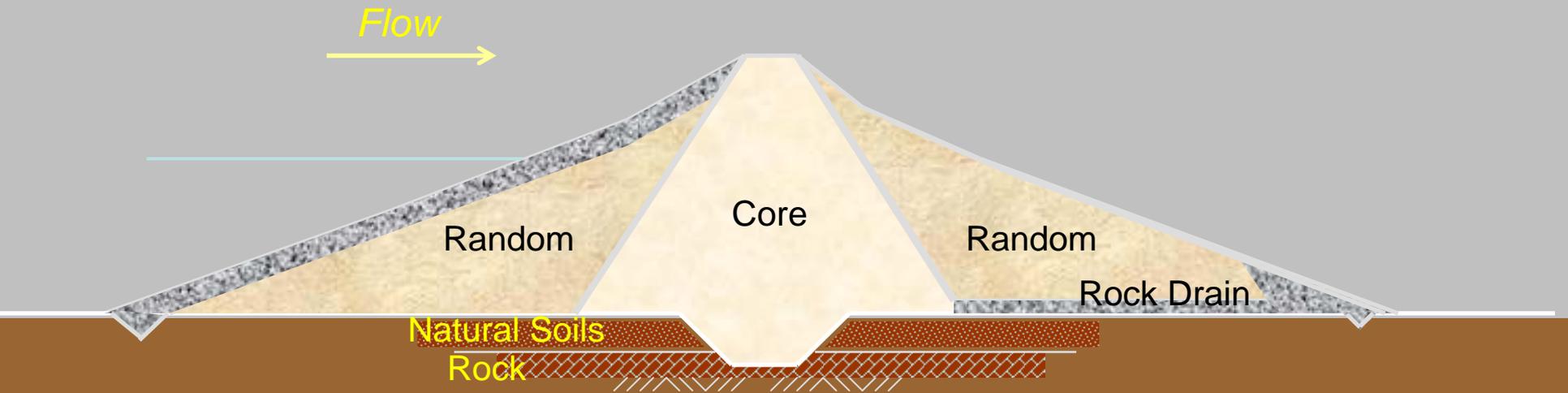


Spillway





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