

Center Hill Dam Safety Rehabilitation

Status Update – Team Cumberland

6 April 2016

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Project Manager
Nashville District



US Army Corps of Engineers
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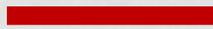


Saddle Dam
RCC Berm

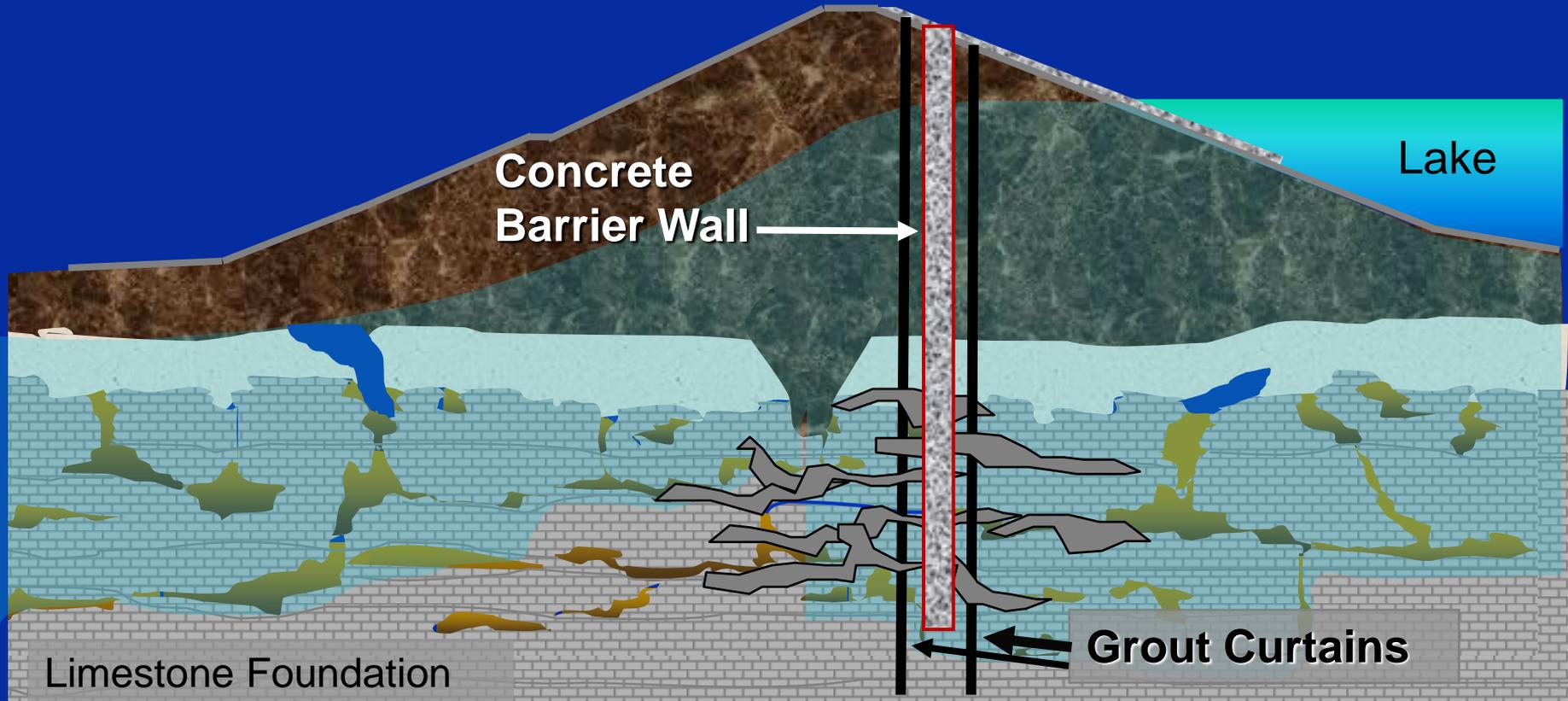
Rehabilitation Project Scope

Main Embankment & Left Rim
Grouting and Barrier Wall

Legend

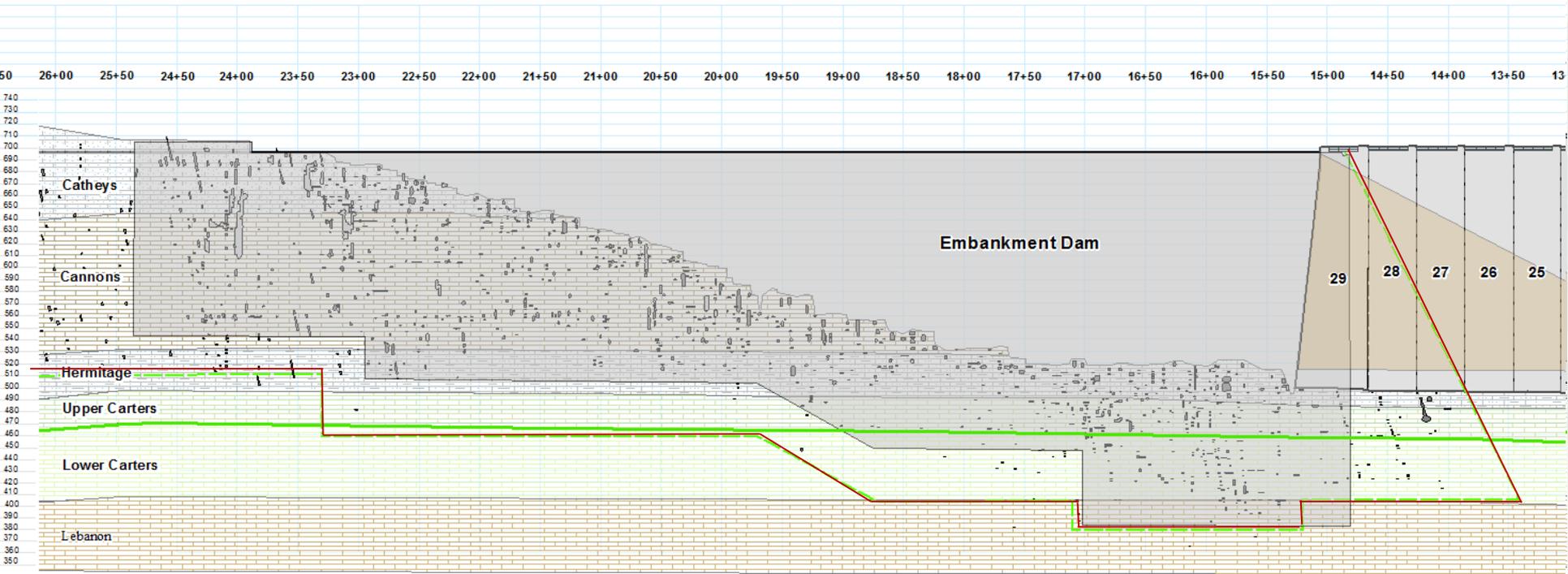
-  **Grouting** FY08-11
-  **Barrier Wall** FY12-15
-  **RCC Berm** FY16-19

Grout Curtain and Barrier Wall



Grouting and Barrier Wall

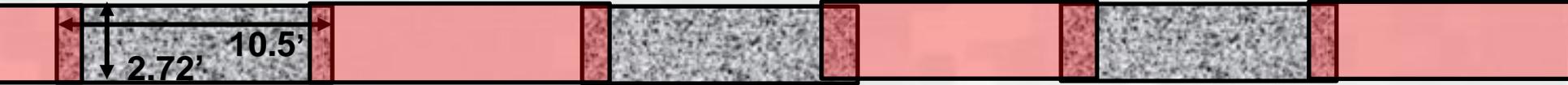
Profile View – Looking DS



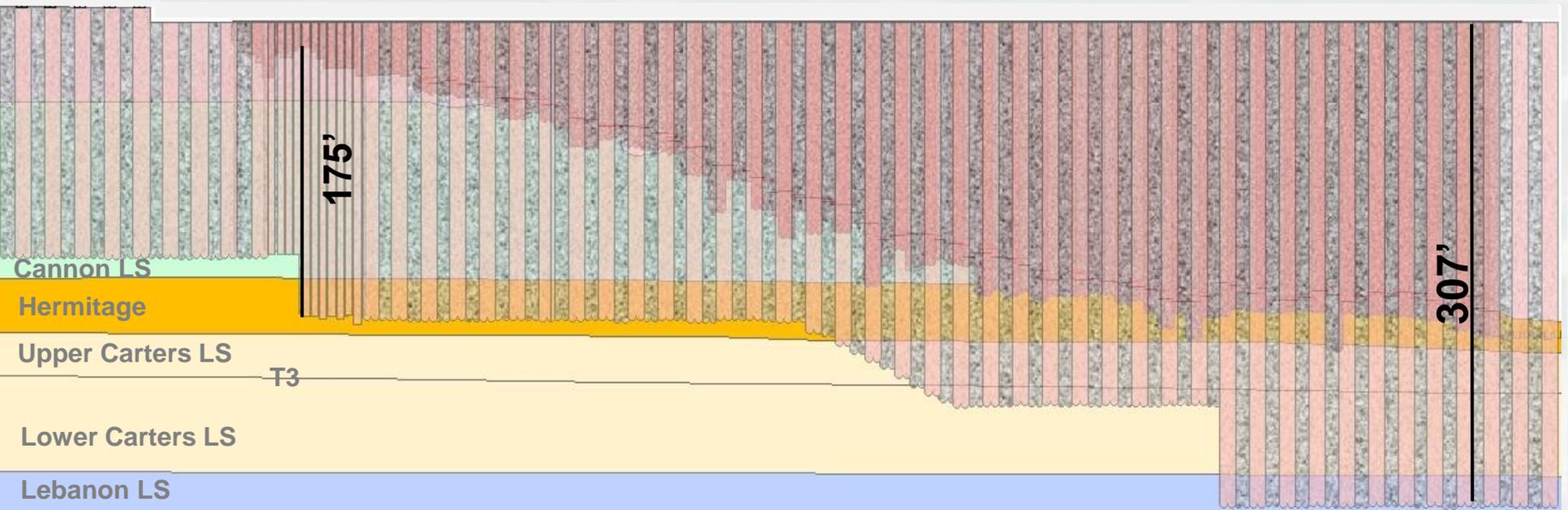
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Barrier Wall Geometry

Plan View

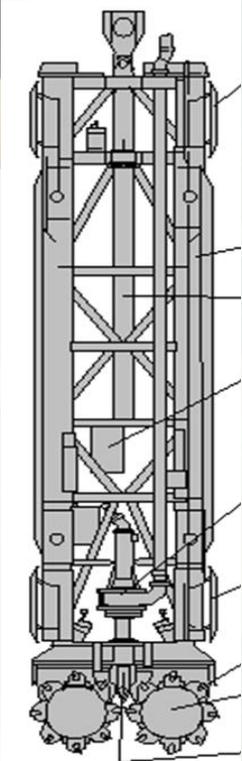


Profile View – Looking DS



Wall Excavation-BC50 Cutter

Cutter head fitted with rock picks and soil cutters



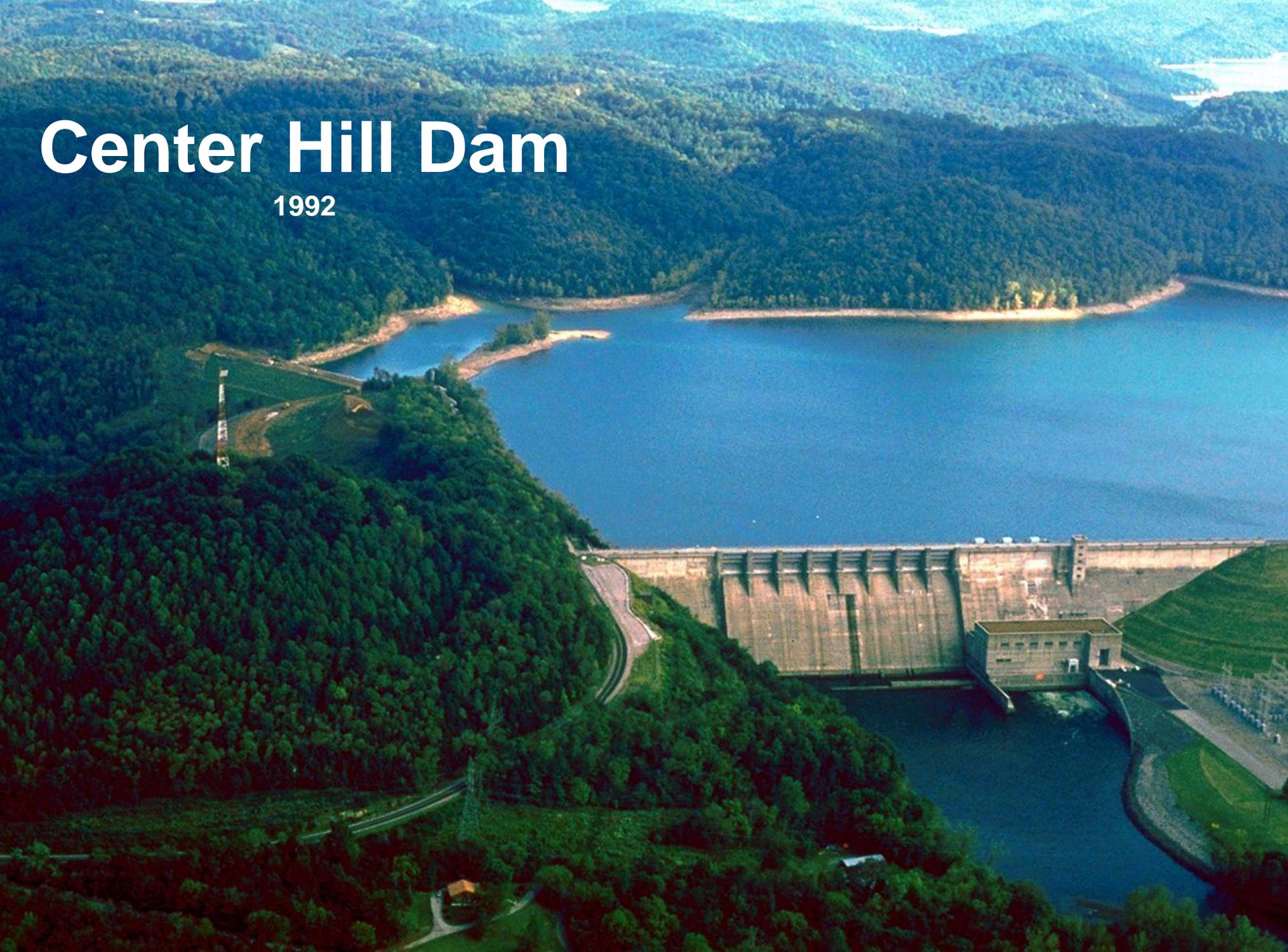
Pump for slurry circulation and removal of cuttings

Onboard instrumentation (inclinometers) for monitoring orientation

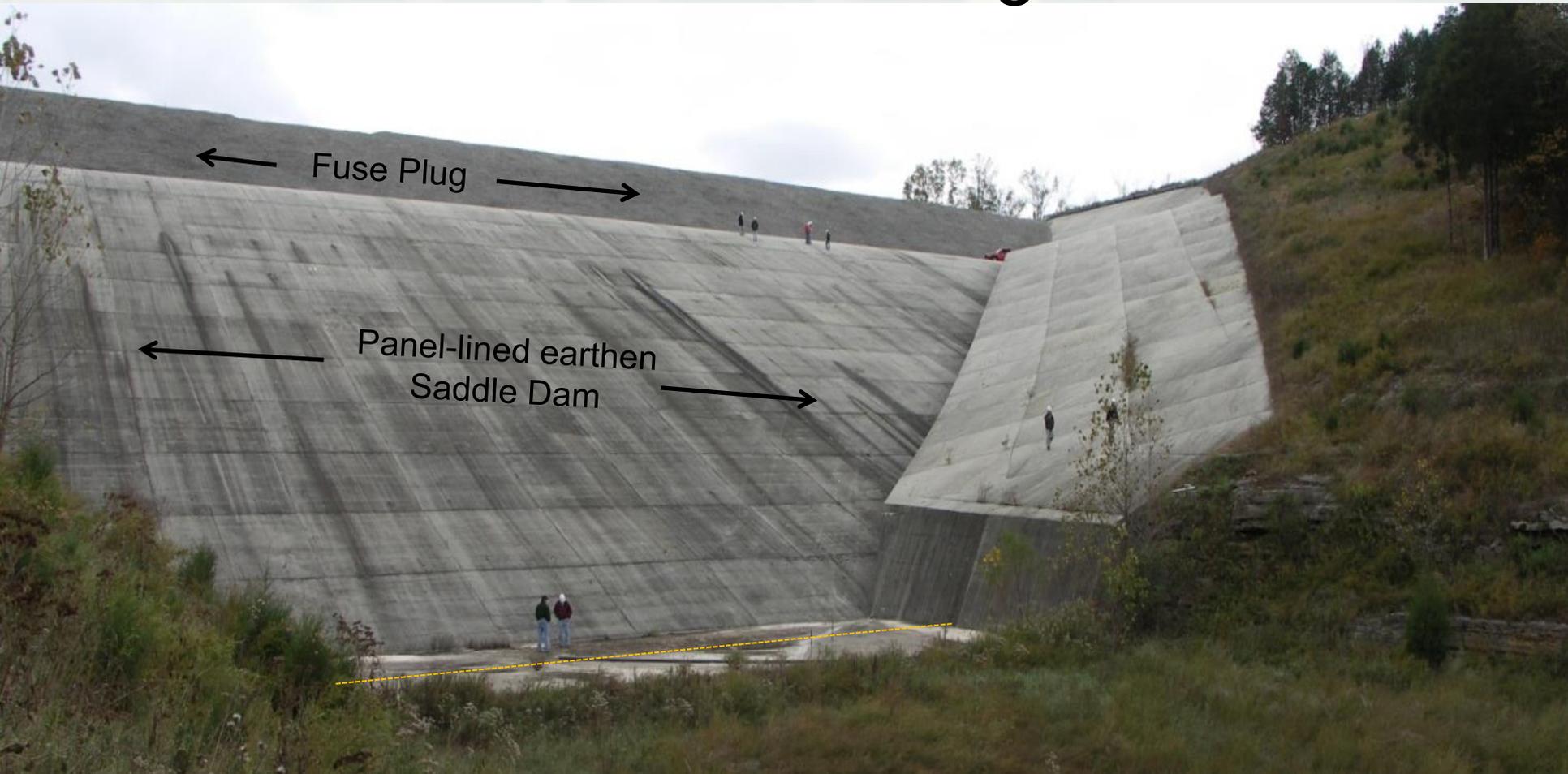


Center Hill Dam

1992



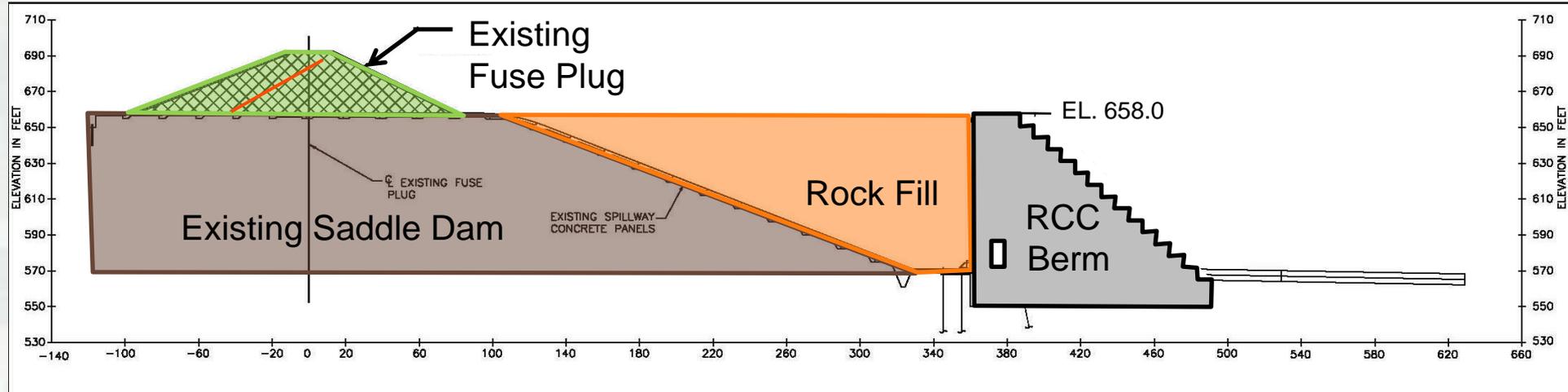
Existing Saddle Dam and Fuse Plug



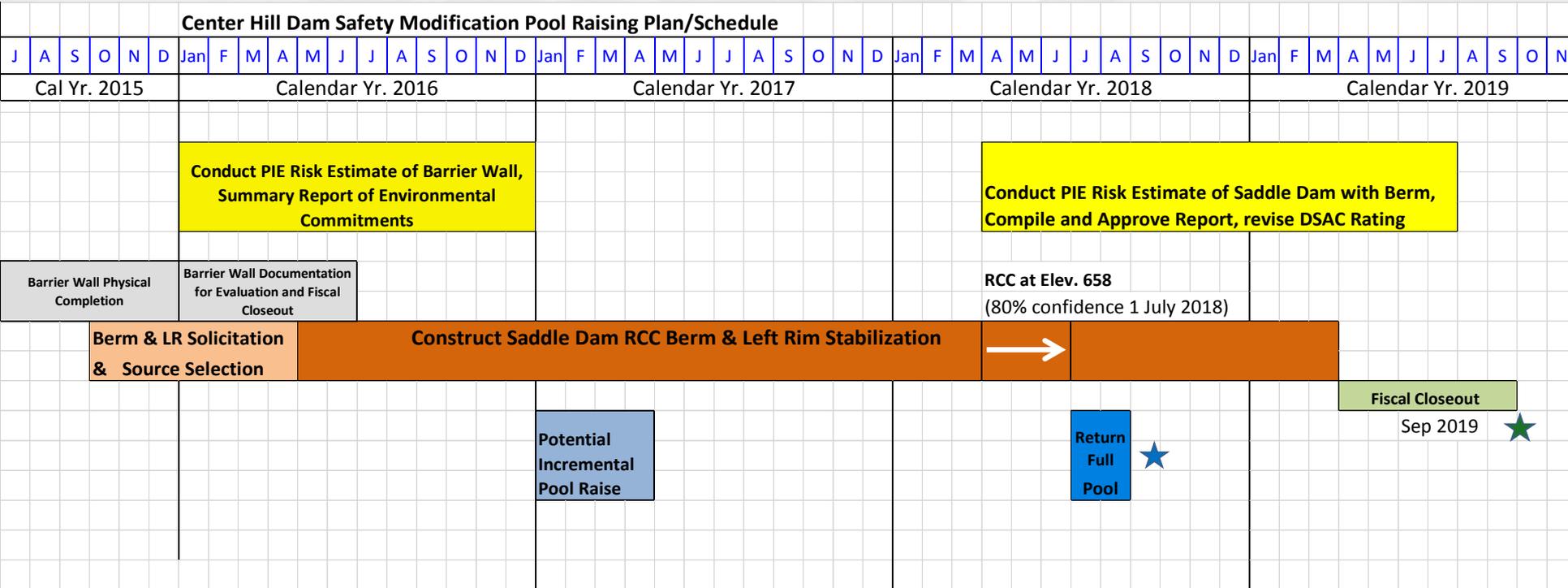
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RCC Berm at Saddle Dam

Section View



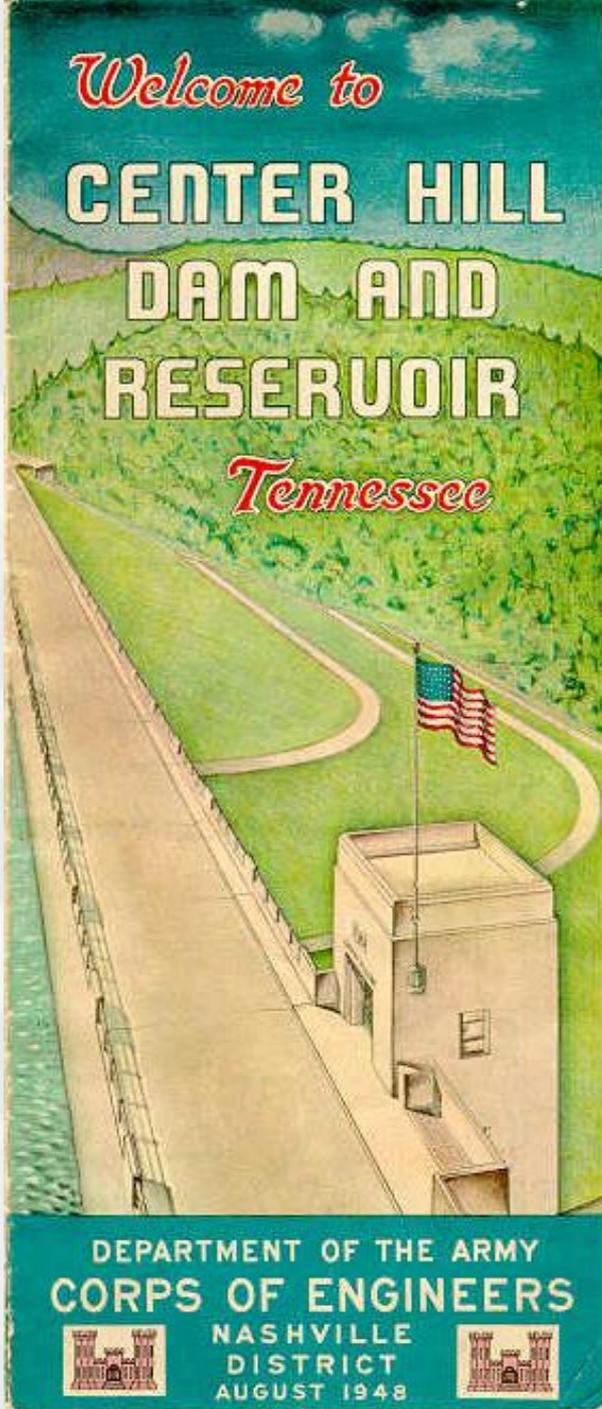
Completion and Pool Raising Activities





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Questions?



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