



**US Army Corps
of Engineers**
Louisville District

Flood Duty Response

Next Stop, The Twilight Zone

Louisville District

2004-05 Flood Duty Response

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Situation

Heavy rains caused river banks to flood endangering levee systems.

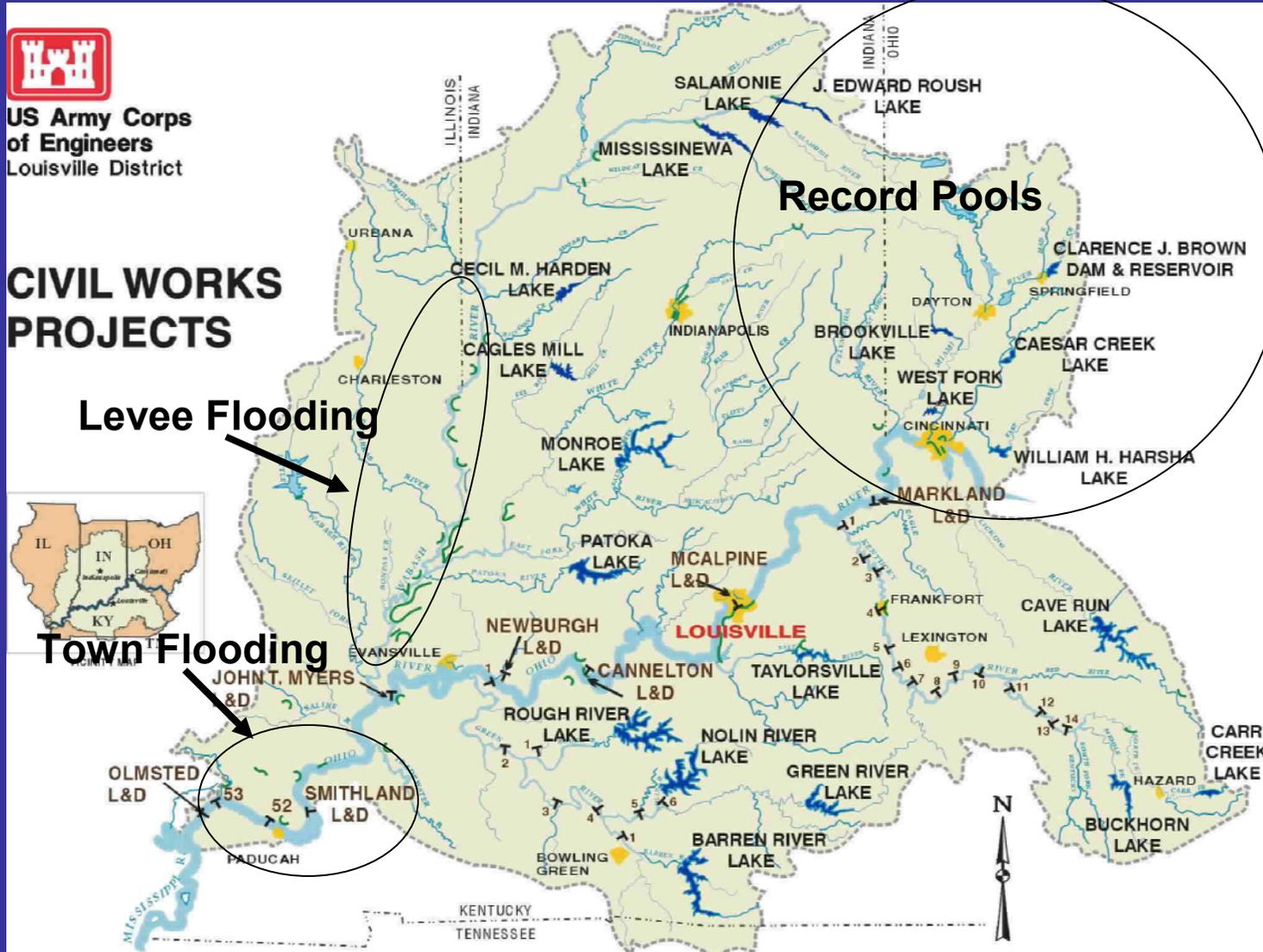
District dams held water to reduce river inflow resulting in record pools.

District Emergency Operation Center activated.



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Take Away Points

Before Flood

- Have prepared “Fly Away” kit
- Resolve communications ahead of time
 - Cell phone with camera
 - Computer with internet
- Establish district chain of communication

During Flood

- Drive 4X4
- Always try to take decent mapping of area
- Evaluate safety of people and yourself first upon arrival
- Think logistics (sandbagging)
- Be prepared for media
- Make a plan and execute it



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Martinsville, IN Flood

1. Possible levee overtopping in next 12 hours.
2. Consequences – Flooding of town and local agriculture.



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Paducah, KY Flooding

1. Seepage reported 100 ft below flood wall.
2. Void opened up in adjacent parking lot.



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**Two 48-inch diameter pipes
with heavy leakage around
headwall**



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Solution

1. Attempted to place gravel/sand around headwall to clog.
2. Supplement existing pump house with two 6-inch portable pumps.
3. Fix headwall after water recedes.





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Smithland, KY Flooding

1. Rising Ohio River threatens to flood town within three days.
2. Previous sandbagging in 1986 (500,000 bags).



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Terre Haute, IN Flooding





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Hazelton, IN

1. Remote agricultural levee in threat of overtopping.



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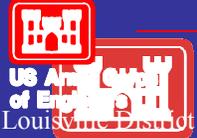


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J. Edward Roush Dam, IN

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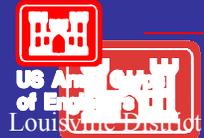
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July 2005 high pool event (pool elevation of 799.9)

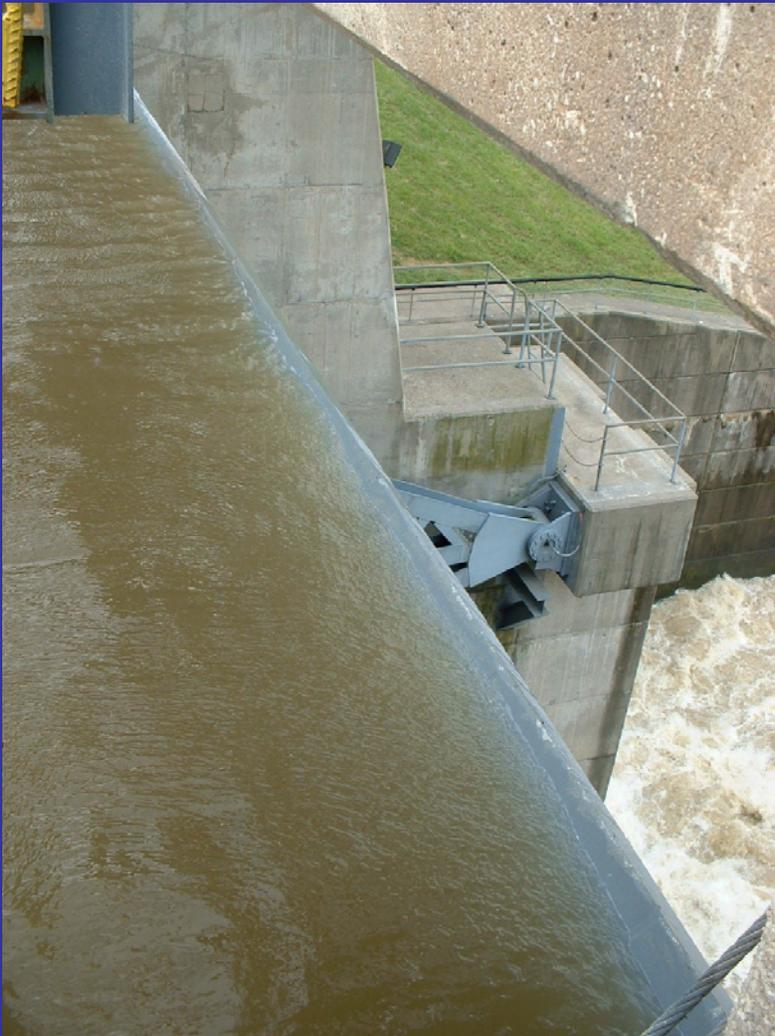


J. Edward Roush Dam Flood Duty Response



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July 2005 high pool event (pool elevation of 799.9)





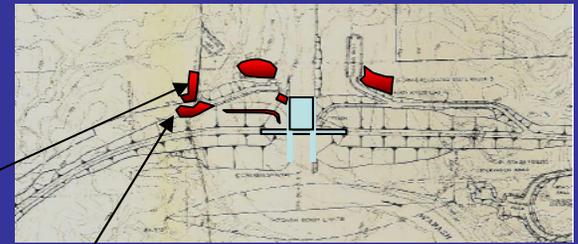
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Geotechnical and
Dam Safety Section

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New seepage locations at downstream toe near residence.



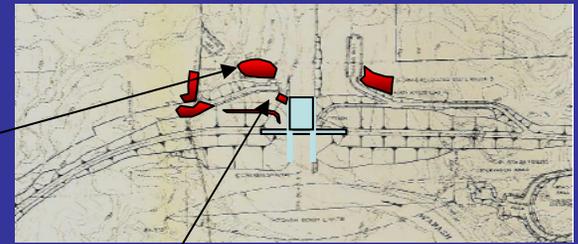


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Questions?

