

U.S. Army Corps of Engineers

Levee Risk Analysis Data Release;

What does this mean and how will it be communicated.

March 3, 2016

Michael deMasi

Chief Emergency Management

Scott Leimer

Levee Safety Program Manager



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AGENDA

- What is LSAC
- Why Release LSAC
- LSAC Risk vs PL84-99 vs FEMA
- Challenges for Release
- Schedule and Way Ahead
- SWG's Communication Plan



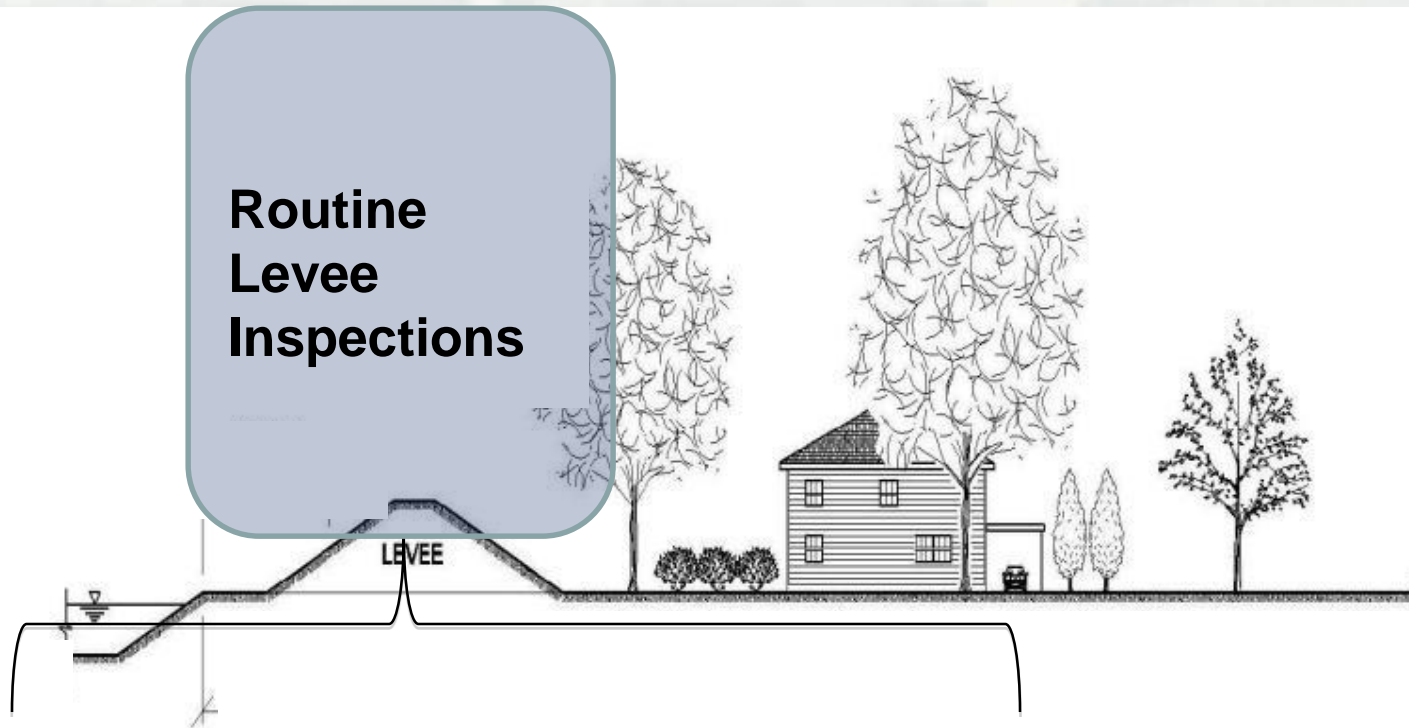
What Is LSAC

- Levee Safety Action Classification
- Screening level assessment of levee system performance at full system load
- Focus on primary risk drivers
- Classifies system based on consequences and likelihood of failure



Current Eligibility Focus

Routine Levee Inspections



- Focused on the Infrastructure (not people)
- Focused on Conditions (not performance)
- Focused on Inspections (not risks)



New Direction – Risk Analysis

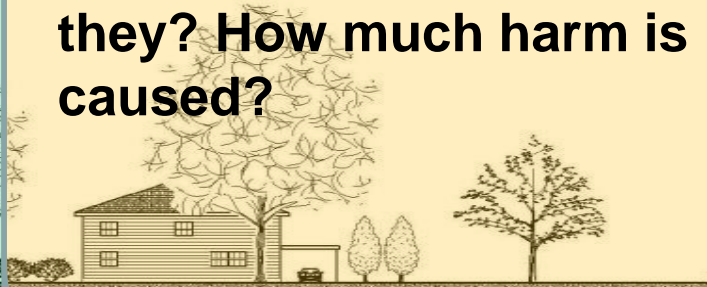
What are the hazards and how likely are they to occur?



How will the infrastructure perform in the face of these hazards?



**Who and what are in harms way?
How susceptible to harm are they? How much harm is caused?**



- Focuses on full range of flood risk factors
- Encourages taking appropriate “actions” to manage flood risk
- Shifts efforts and attention from the structure to risk management



LSAC – Why Release It?

- The LSAC is an assessment tool
 - ▶ Risk based
 - ▶ Emphasis on potential for “brittle failures”
 - ▶ Entire USACE portfolio
- Communication
 - ▶ Corps to Sponsor to Stakeholder
 - ▶ Informed decision making
 - ▶ Interim Risk Reduction Measures



LSAC – Why Release It?

- Improve sponsor engagement and understanding of levee safety activities;
- Improve sponsor and community understanding of the benefits and flood risks associated with levee systems;
- Promote actions to reduce and manage the associated flood risks; and,
- Build a foundation for shared responsibility in developing and implementing flood risk management solutions for levee systems.



Risk Analysis vs Certification vs PL84-99

Risk Analysis

Characterization of Levee Risk- results in classification (LSAC)

Benefit- Increased understanding of risk of living behind levee

Informs Accreditation/Certification

PL 84-99 Eligibility

- Based on rating criteria of O&M
- Rated U, M, or A
- Benefit- Corps will fund flood damage repair
- Informs LSAC and FEMA Accreditation

FEMA Certification

- Must be 100 yr height
- Passes other Eng criteria - Certified by AE firm
- Benefit - decreased flood insurance rates



Challenges for Release

- Ongoing Risk Assessments may change LSAC 1's (potential reduction to LSAC 2)
- Describing difference between Risk (Screenings) vs O&M (Periodic/Routine Inspections) ratings
- Tie in with FEMA Accreditation/Certification



Risk Communication Schedule

- 17 Dec- HQ brief to CMDRS
- 15 Jan- Districts submit draft Commo Plans to SWD
- 29 Jan- Districts finalize Commo Plans
- Conf call with FEMA (HQ lead)- 22 Feb

- SWD Regional call to further discuss LSAC release
- HQ release of LSACs (subsequent to FEMA call)
- Districts brief sponsors, FEMA, Congressional on LSACs within 30 days of HQ release



Way Ahead

- Official release of LSAC to sponsors will be joint effort - Levee Safety Lead with participation to include Public Affairs, Emergency Mgt, Flood Risk Mgt, Silver Jacket reps, and Operations.
- SWG will schedule a meeting with sponsor to discuss LSAC and provide official notification.



SWG Communication Plan Guidelines

- Include Levee System Summary
- Include Q&A's
- Way to capture lessons learned
- Have schedule starting with LSAC release, include notifying sponsor, FEMA, Congressional, State POC.



Desired Outcome

- Encourage a community discussion and engagement in a broader set of flood risk management actions to manage risk.
- Encourage dialogue and problem solving between USACE and sponsors.
- Promote risk-informed, cost effective prioritization of risk reduction activities.
- Change the role of USACE from “compliance inspector” to provider of risk advice and technical assistance.
- Provide flexibility to align flood risk management actions with requirements to protect and restore natural resources.



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www.swg.usace.army.mil

Questions?

Scott Leimer

Matthew.S.Leimer@usace.army.mil

409-766-3957

Michael deMasi

michael.j.demasi@usace.army.mil

409-766-3957



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