TOPICS

- Levee Safety Guidance
- Section 408
- Levee Portfolio Report
- “New” National Levee Database
- National Levee Initiative
- Levee Vegetation Policy Revisit
Organized around the Risk Framework

Will include:

- Inspection Checklist/Guidance for Using Checklist
- National Flood Insurance Program Accreditation
- Focus on Risk Informed Decision Making

Levee Inspection ECB schedule

* RP = Update to the Interim Eligibility Criteria PGL

- Draft ECB Coordinate with NL/SL/ST/SP
- ECB ATR
- Evaluate/Adjudicate ATR Comments
- External Review
- Finalize ECB NL/SL/ST/SP
- Training & Roll Out
- Course check to confirm we have the right processes to collect the information needed for risk assessments.

LEVEE SAFETY ECB SCHEDULE
SECTION 408 – ALTERATIONS TO A FEDERAL PROJECT

- Considering external comments received.
- Revised EC ready final publication in July 2018.
- Planned publication in August 2018.
- Final EC will be posted in the federal register for information with a summary of the external comments received and main revisions.
A Summary of Condition and Flood Risks Associated with the USACE Levee Portfolio

PREPARED BY
U.S. ARMY CORPS OF ENGINEERS
LEVEL SAFETY PROGRAM
NOVEMBER 2017

https://www.usace.army.mil/Missions/Civil-Works/Levee-Safety-Program/
Total Number of Segments = 3,103.
Segments in the Corps Portfolio = 2,659
Non-Project Segments = 444

Total number of Systems in the Corps Portfolio - 2,160
NON-PROJECT SEGMENT EXAMPLE
NATIONAL LEVEE DATABASE – NEW LOOK

Levees of The Nation

The Nation
Click on a state below or on the map to zoom in.

States and Counties

Search this list
Alabama
Alaska
American Samoa
Arizona
Arkansas
California
Colorado
Connecticut
Delaware

Publicly Released
Risk Characteristics

<table>
<thead>
<tr>
<th>People at Risk</th>
<th>Structures at Risk</th>
<th>Property Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,009</td>
<td>2,756</td>
<td>$611M</td>
</tr>
</tbody>
</table>

Risk Characterization Summary

The Prairie du Pont and Fish Lake levee system has prevented the community from flooding during numerous major flood events. During the record-setting Flood of 1993, significant seepage was observed throughout the levee and this remains a primary concern with the system. Though the Sponsor has made significant investments in remediation, additional work is needed. There remains a possibility that in any given year floodwaters could overtop or breach the levee system. A levee failure could result in flooding of depths of up to 34 feet, loss of life, and significant economic damage.

FEMA - NFIP/FIRM Information

Levee System Status on Effective FIRM
Accredited

Latest Inspections

Segment Name (Date) - Inspection Rating

- Prairie Du Pont Segment (09/22/2016) - Unacceptable
- Fish Lake Drainage & Levee District No. 8 (09/22/2016) - Minimally Acceptable
- Fish Lake Drainage & Levee District No. 8 (09/08/2015) - Minimally Acceptable
- Prairie Du Pont Segment (09/08/2015) - Unacceptable
- Fish Lake Drainage & Levee District No. 8 (10/09/2009) - Minimally Acceptable
Focus on traditional authorities related to the USACE Levee Safety Program

Moving forward on mutually beneficial activities
VOLUNTARY NATIONAL LEVEE INVENTORY AND REVIEW

Inventory
- General Location and Condition of Nation’s Levees
- Consequences behind levee systems
- National Levee Database

Review
- Inspection
- Screening Level Risk Assessment
- Levee System Summary

Partnership/Communication
- Create ongoing Partnership with State and Tribe
- Training / Sharing Best Practices
- Effective Communication

WRRDA 2014 – Title IX, Section 9004
FEDERAL LEVEE SAFETY GUIDELINES
CONGRESS’ DIRECTION (WRRDA 2014 – SECTION 3013)

• Comprehensive review of the guidelines (ETL 583 and PGL) to determine if they are appropriate for all regions.
• Provide greatest benefits for public safety and ensure levee safety investments minimize environmental impact.
• Account for woody vegetation benefits to levee safety
• Consult with federal agencies, state, tribal, regional and local government, NGOs, and the public.
• Solicit and consider views of independent experts.
• Produce a summary report to congress.
• No USACE directed vegetation removal unless it is shown to present an unacceptable risk.
• Reconsider any previous action affected by the former guidelines.
STATUS

- USACE implementation guidance was prepared and Mr. Dalton approved October 19, 2017.

- Levee Safety has partnered with Engineering with Nature to comply with the WRRDA direction and USACE guidance.

- A project management plan is in progress with completion planned for October 2018.

- Implementation will depend on program priorities. It is anticipated that a literature search, meetings internally and externally leading up to a symposium are likely first steps.
QUESTIONS?