

Levee Risk Management Summary (LRMS)

Date: N/A



Purpose:

The levee risk management summary details prioritized recommendations for operation, maintenance, repair, replacement, and rehabilitation (OMRR&R) for each levee system. It is based on best available levee information from formal and special inspections, site visits, and risk assessments. Recommended actions may pertain to only one segment, or they might apply to several or all segments in the system and are prioritized based on anticipated impact to overall levee system risk.

Levee System Name: Hammond Forest Ave	Levee System ID: 2605000010
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USACE Districts: Chicago District

Levee Segment Name, ID: Hammond Forest Ave, 2604000010	Segment Sponsor(s): Little Calumet River Basin Development Commission
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Other Levee Segment Names, IDs:	Other Segment Sponsors:
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Levee System Risk Summary: The table below summarizes the risk of the levee system based on the most recent risk assessment.		
Risk Assessment Type	Risk	Assessment Date
Screening Level Risk Assessment	Low	7/7/2016
<p>Levee Performance and Potential Lost Benefits: USACE Chicago District conducted a risk assessment of the levee system in 2015. The overall risk was considered low. The levee performed well during the 2008 flood of record. The potential for flooding of the levee system prior to overtopping is low. Flooding potential is most likely to occur around the ends of the levee from the upstream side at Southmoor Road and from the downstream side from Calumet City. There are some concerns with erosion along the levee toe. Evacuation effectiveness is good due to a high level of community awareness, effective flood warning, and multiple evacuation routes to high ground. The levee system protects over 360 people that live behind the levee. A breach could result in flooding up to 9 feet, life loss, and up to \$17 million in economic damages.</p>		

Recommended Actions - List in Priority Order								
Priority	Tracking No.	FY	Category	Recommendation	Responsible Party	Applicable Segment	Status	Notes
Very High	FA-01	2024	Performance	Continue informing residents about the purpose of the levee and the risks with impacting the levee through letters. Work with the 408 Coordinator to pursue letters from the Corps.	Little Calumet River Basin Development Commission	2604000010	In Progress	Multiple residents are encroaching into the levee cross section as part of their landscaping efforts.
High	FA-05	2024	Performance	Address the erosion along the banks. The sponsor has a 408 request submitted for bank stabilization.	Little Calumet River Basin Development Commission	Entire System	In Progress	There is erosion along the river banks.
Moderate	FA-06	2024	Performance	Perform a survey to verify the crest elevation still meets the design height.	Little Calumet River Basin Development Commission	2604000010	In Progress	There is settlement of the crest between the bin walls. The sponsor awarded a contract to Burke Engineering in April 2024 to perform a survey and expects the report in December 2024.
Moderate	FA-03	2024	Performance	Recommend performing more regular closure exercises for the two stoplog closures, alternating. Work with Hammond. The intent is to keep the staff experienced in installation and ensure the materials are still in good shape.	Little Calumet River Basin Development Commission	Entire System	Not Started	Hammond prefers to leave the closures in place. There were issues with some of the materials for the stop log structure during the exercise performed in 2024.

Moderate	FA-04	2024	Performance	Continue to perform visual inspections of the culverts at least every 5 years. There were issues with a few of the culverts that may need to be addressed. Work with Hammond Sanitary District.	Little Calumet River Basin Development Commission	Entire System	In Progress	The last camera inspection was performed in 2018.
Moderate	FA-02	2024	Performance	Recommend investigating the cause of the movement of the spillway at Hohman Ave Pump Station. Work with Hammond Sanitary District to do the potential repair.	Little Calumet River Basin Development Commission	Entire System	Not Started	The Hohman Ave Pump Station has been experiencing continued settlement of the spillway. This has been sealed a few times but is continuing to show some movement.

Risk Management Summary Approval

Approved By: [Name / Title]: Yuki Galisanao / Levee Safety Program Manager

Signature: Yuki Galisanao

Date Approved: 2024-07-25