



US Army Corps  
of Engineers ®

## Site Visit Summary

Name of System: Marshalltown

Name of Segment: Marshalltown

NLD System ID: 2605000002

NLD Segment ID: 2604000002

Segment Type: \_\_\_\_\_

Levee Sponsor (Name and Organization): Little Calumet River Basin Development Commission

Field Trip Report Prepared by: Chris Schaal

Date of Site Visit: 04/08/2024 - 04/10/2024

Field Trip Report Prepared by: Mike Cook

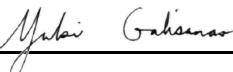
Field Trip Report Prepared by: Brian Sweeney

### Other Segments Within This System

Segment Name	NLD Segment ID#	Segment Type

### Site Visit - Team Members (Levee Sponsor, USACE, and others)

Name	Organization	Discipline	Phone Number
Yuki Galisanao	USACE - Chicago District		
Chris Schaal	USACE - Chicago District		
Mike Cook	USACE - Chicago District	Geotech	
Youa Yang	USACE - Chicago District		
Brian Sweeney	USACE - Chicago District	Geotech	
Kaitlyn Wesolowski	USACE	H&H	
Alan Jaski	USACE	Electrical	

Andrew Lin	USACE	Structural	
Adam McLade	TOG		
Eric Copper	TOG		
Symeon Coleman	1st Response		
Terry Sallae	1st response		
Jim T Harris	1st response		
Terry Saller	1st response		
Dave Washington	GLEM		
Dakari Tyler	GLEM		
Art Rundzaitis	USACE	Construction	
Kiril Zumbulev	USACE	Mechanical	
Dan Repay	LCRBDC		
Jason Gerald	TOG		
Oliver King	GLEM		
Colin Smalley	USACE	Regulatory	
<b>Levee Safety Program Manager Signature:</b> Yuki Galisanao, PE, PG  <b>Date:</b> 05/08/24			

**Summary of Site Visit:** *[Summarize pertinent discussions with sponsor regarding levee conditions, O&M activities, etc. and describe notable observations or changed conditions since the last site visit or inspection]*

Significant issues with a crack in the pump station spillway leading to erosion. There were also minor issues with unwanted vegetation, debris encroachments, animal burrows, rutting, sod cover, asphalt cracking, uneven slopes, depressions on the crest, concrete cracking and spalling, pump station electrical switch issues, and a pump station secondary closure stuck open.

Observations and Photos



**Inspect ID:** 2024-0024  
**Rated Item:** 1. Unwanted Vegetation Growth  
**Lat/Long:** 41.57480/-87.29934  
**Caption:**  
No User Rating (Site Visit) - Vegetation encroaching on landside toe.



**Inspect ID:** 2024-0027  
**Rated Item:** 1. Unwanted Vegetation Growth  
**Lat/Long:** 41.57468/-87.29909  
**Caption:**  
No User Rating (Site Visit) - Riverside vegetation encroachment.



**Inspect ID:** 2024-0048

**Rated Item:** 1. Unwanted Vegetation Growth

**Lat/Long:** 41.57500/-87.30626

**Caption:**

No User Rating (Site Visit) - Tree observed along the toe/slope on riverside.



**Inspect ID:** 2024-0059

**Rated Item:** 1. Unwanted Vegetation Growth

**Lat/Long:** 41.57576/-87.30694

**Caption:**

No User Rating (Site Visit) - Tree branches encroaching on riverside toe.





**Inspect ID:** 2024-0068

**Rated Item:** 1. Unwanted Vegetation Growth

**Lat/Long:** 41.57588/-87.30676

**Caption:**

No User Rating (Site Visit) - Unwanted vegetation growth along the landside toe within the 15' vegetation free zone



**Inspect ID:** 2024-0080

**Rated Item:** 1. Unwanted Vegetation Growth

**Lat/Long:** 41.57772/-87.30676

**Caption:**

No User Rating (Site Visit) - Vegetation growth observed along landside toe.



**Inspect ID:** 2024-0084

**Rated Item:** 1. Unwanted Vegetation Growth

**Lat/Long:** 41.57806/-87.30687

**Caption:**

No User Rating (Site Visit) - Vegetation and debris observed along landside toe.



**Inspect ID:** 2024-0023

**Rated Item:** 2. Sod Cover

**Lat/Long:** 41.57482/-87.29851

**Caption:**

No User Rating (Site Visit) - Minor rutting on the riverside slope





**Inspect ID:** 2024-0031

**Rated Item:** 2. Sod Cover

**Lat/Long:** 41.57465/-87.29978

**Caption:**

No User Rating (Site Visit) - Bare vegetation coverage on the riverside slope.



**Inspect ID:** 2024-0035

**Rated Item:** 2. Sod Cover

**Lat/Long:** 41.57463/-87.30046

**Caption:**

No User Rating (Site Visit) - Minor poor sod cover on the riverside slope





**Inspect ID:** 2024-0047

**Rated Item:** 2. Sod Cover

**Lat/Long:** 41.57496/-87.30554

**Caption:**

No User Rating (Site Visit) - Poor sod cover on the riverside slope



**Inspect ID:** 2024-0021

**Rated Item:** 3. Encroachments

**Lat/Long:** 41.57512/-87.30197

**Caption:**

No User Rating (Site Visit) - 4 wheeler activity on levee.



**Inspect ID:** 2024-0043

**Rated Item:** 3. Encroachments

**Lat/Long:** 41.57493/-87.30545

**Caption:**

No User Rating (Site Visit) - Trees and fallen branches along riverside toe.



**Inspect ID:** 2024-0056

**Rated Item:** 3. Encroachments

**Lat/Long:** 41.57504/-87.30641

**Caption:**

No User Rating (Site Visit) - Debris observed along landside toe.





**Inspect ID:** 2024-0076

**Rated Item:** 3. Encroachments

**Lat/Long:** 41.57646/-87.30683

**Caption:**

No User Rating (Site Visit) - Logs observed along landside toe of levee.



**Inspect ID:** 2024-0001

**Rated Item:** 5. Slope Stability

**Lat/Long:** 41.57587/-87.29860

**Caption:**

No User Rating (Site Visit) - Typical levee slopes on south end of levee.





**Inspect ID:** 2024-0028

**Rated Item:** 5. Slope Stability

**Lat/Long:** 41.57476/-87.29981

**Caption:**

No User Rating (Site Visit) - Landslide slope observed to be 5:3 (H:V) along area where levee was raised.



**Inspect ID:** 2024-0037

**Rated Item:** 6. Erosion/ Bank Caving

**Lat/Long:** 41.57501/-87.30622

**Caption:**

No User Rating (Site Visit) - Seepage from pump station outlet wall scouring side of slope.



**Inspect ID:** 2024-0040

**Rated Item:** 6. Erosion/ Bank Caving

**Lat/Long:** 41.57518/-87.30543

**Caption:**

No User Rating (Site Visit) - Area along landside toe partially collapsed, ponding observed.



**Inspect ID:** 2024-0044

**Rated Item:** 6. Erosion/ Bank Caving

**Lat/Long:** 41.57498/-87.30625

**Caption:**

No User Rating (Site Visit) - Erosion and scour observed along riverside toe.





**Inspect ID:** 2024-0051

**Rated Item:** 6. Erosion/ Bank Caving

**Lat/Long:** 41.57498/-87.30624

**Caption:**

No User Rating (Site Visit) - Erosion cutting into riverside toe and slope



**Inspect ID:** 2024-0009

**Rated Item:** 7. Settlement

**Lat/Long:** 41.57474/-87.29912

**Caption:**

No User Rating (Site Visit) - Uneven slopes leading up to transition on riverside.





**Inspect ID:** 2024-0017

**Rated Item:** 7. Settlement

**Lat/Long:** 41.57487/-87.30097

**Caption:**

No User Rating (Site Visit) - Minor settlement of crest just north of first bend.



**Inspect ID:** 2024-0025

**Rated Item:** 7. Settlement

**Lat/Long:** 41.57504/-87.30486

**Caption:**

No User Rating (Site Visit) - Low point in crest



**Inspect ID:** 2024-0049  
**Rated Item:** 7. Settlement  
**Lat/Long:** 41.57804/-87.30667  
**Caption:**  
No User Rating (Site Visit) - Gouge in crest



**Inspect ID:** 2024-0005  
**Rated Item:** 8. Depressions/ Rutting  
**Lat/Long:** 41.57491/-87.29858  
**Caption:**  
No User Rating (Site Visit) - Landside rutting on corner bend.





**Inspect ID:** 2024-0007

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57750/-87.29845

**Caption:**

No User Rating (Site Visit) - Riverside toe rutting from vehicle.



**Inspect ID:** 2024-0008

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57743/-87.29864

**Caption:**

No User Rating (Site Visit) - Ponded water and rutting observed along landside toe.





**Inspect ID:** 2024-0013

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57461/-87.29958

**Caption:**

No User Rating (Site Visit) - Ruts on riverside slope. Some settlement in slope as well.



**Inspect ID:** 2024-0019

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57483/-87.29851

**Caption:**

No User Rating (Site Visit) - Rutting continues around riverside bend.



**Inspect ID:** 2024-0020

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57582/-87.29994

**Caption:**

No User Rating (Site Visit) - Pondered water in ruts observed along landside toe.



**Inspect ID:** 2024-0029

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57509/-87.30513

**Caption:**

No User Rating (Site Visit) - Minor rutting on landside slope





**Inspect ID:** 2024-0032

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57473/-87.29972

**Caption:**

No User Rating (Site Visit) - Ponding observed along landslide toe.



**Inspect ID:** 2024-0039

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57475/-87.30144

**Caption:**

No User Rating (Site Visit) - Riverside rutting on slope by vehicle tires, loss of vegetation coverage. About 100 ft long going east to west.





**Inspect ID:** 2024-0041

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57639/-87.30693

**Caption:**

No User Rating (Site Visit) - Large rutting on riverside slope



**Inspect ID:** 2024-0045

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57642/-87.30686

**Caption:**

No User Rating (Site Visit) - Rutting on riverside toe.



**Inspect ID:** 2024-0052

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57505/-87.30626

**Caption:**

No User Rating (Site Visit) - Rutting observed along landside slope.



**Inspect ID:** 2024-0064

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57530/-87.30683

**Caption:**

No User Rating (Site Visit) - Depression and ponding observed along levee crown.





**Inspect ID:** 2024-0072

**Rated Item:** 8. Depressions/ Rutting

**Lat/Long:** 41.57605/-87.30681

**Caption:**

No User Rating (Site Visit) - Rutting and ponding observed along landside toe.



**Inspect ID:** 2024-0003

**Rated Item:** 10. Animal Control

**Lat/Long:** 41.57775/-87.29852

**Caption:**

No User Rating (Site Visit) - Lot of burrows in this area of riverside slope.



**Inspect ID:** 2024-0004

**Rated Item:** 10. Animal Control

**Lat/Long:** 41.57762/-87.29862

**Caption:**

No User Rating (Site Visit) - Small hole (3" deep , 3" wide) observed along landside slope.



**Inspect ID:** 2024-0011

**Rated Item:** 10. Animal Control

**Lat/Long:** 41.57706/-87.29857

**Caption:**

No User Rating (Site Visit) - Animal burrow 8 inches deep on riverside slope.





**Inspect ID:** 2024-0012

**Rated Item:** 10. Animal Control

**Lat/Long:** 41.57744/-87.29861

**Caption:**

No User Rating (Site Visit) - Animal burrows observed along landside slope.



**Inspect ID:** 2024-0015

**Rated Item:** 10. Animal Control

**Lat/Long:** 41.57666/-87.29853

**Caption:**

No User Rating (Site Visit) -Typical animal burrows on riverside toe.



**Inspect ID:** 2024-0016

**Rated Item:** 1. Vegetation and Obstructions

**Lat/Long:** 41.57515/-87.29873

**Caption:**

No User Rating (Site Visit) - Small trees and phragmites growing in landside ditch.



**Inspect ID:** 2024-0036

**Rated Item:** 1. Vegetation and Obstructions

**Lat/Long:** 41.57480/-87.30124

**Caption:**

No User Rating (Site Visit) - Small trees growing in landside ditch.





**Inspect ID:** 2024-0060

**Rated Item:** 1. Vegetation and Obstructions

**Lat/Long:** 41.57529/-87.30678

**Caption:**

No User Rating (Site Visit) - Tree and phragmite growth observed in landside ditch.



**Inspect ID:** 2024-0033

**Rated Item:** 5. Concrete Surfaces (Such as gatewells, outfalls, intakes, or culverts)

**Lat/Long:** 41.57498/-87.30623

**Caption:**

No User Rating (Site Visit) - Hole in wall leading to large amount of water, which is eroding soils adjacent to the spillway



**Inspect ID:** 2024-0033

**Rated Item:** 5. Concrete Surfaces (Such as gatewells, outfalls, intakes, or culverts)

**Lat/Long:** 41.57498/-87.30623

**Caption:**

0033 - No User Rating (Site Visit) - Hole in wall leading to large amount of water, which is eroding soils adjacent to the spillway



**Inspect ID:** 2024-0085

**Rated Item:** 10. Sluice / Slide Gates

**Lat/Long:** 41.57505/-87.30625

**Caption:**

0085 - No User Rating (Site Visit) MR-02: operated successfully. Damage to grate.





**Inspect ID:** 2024-0010

**Rated Item:** 6. Fencing and Gates

**Lat/Long:** 41.57504/-87.30633

**Caption:**

No User Rating (Site Visit) - PS-MR gate is hard to open because of soil blocking it.



**Inspect ID:** 2024-0002

**Rated Item:** 14. Electrical Systems

**Lat/Long:** 41.57510/-87.30632

**Caption:**

No User Rating (Site Visit) -PS-MR hand auto off switch for sump missing.



**Inspect ID:** 2024-0006

**Rated Item:** 14. Electrical Systems

**Lat/Long:** 41.57510/-87.30633

**Caption:**

No User Rating (Site Visit) - PS-MR cover missing on light.



**Inspect ID:** 2024-0014

**Rated Item:** 19. Flap Gates/ Flap Valves/ Pinch Valves

**Lat/Long:** 41.57497/-87.30629

**Caption:**

No User Rating (Site Visit) - PS-MR duckbills not closing after operation of pump. Possibly needs to be replaced.



# National Levee Database

NLD

LEVEE INSPECTION MAPBOOK

## Levee Segment Marshalltown

NLD Levee Segment ID  
2604000002

Location  
Marshalltown

Inspection Type  
Site Visit

Start Date  
08-Apr-2024

End Date  
10-Apr-2024

Inspected By  
Brian Sweeney, Chris Schaal, Mike

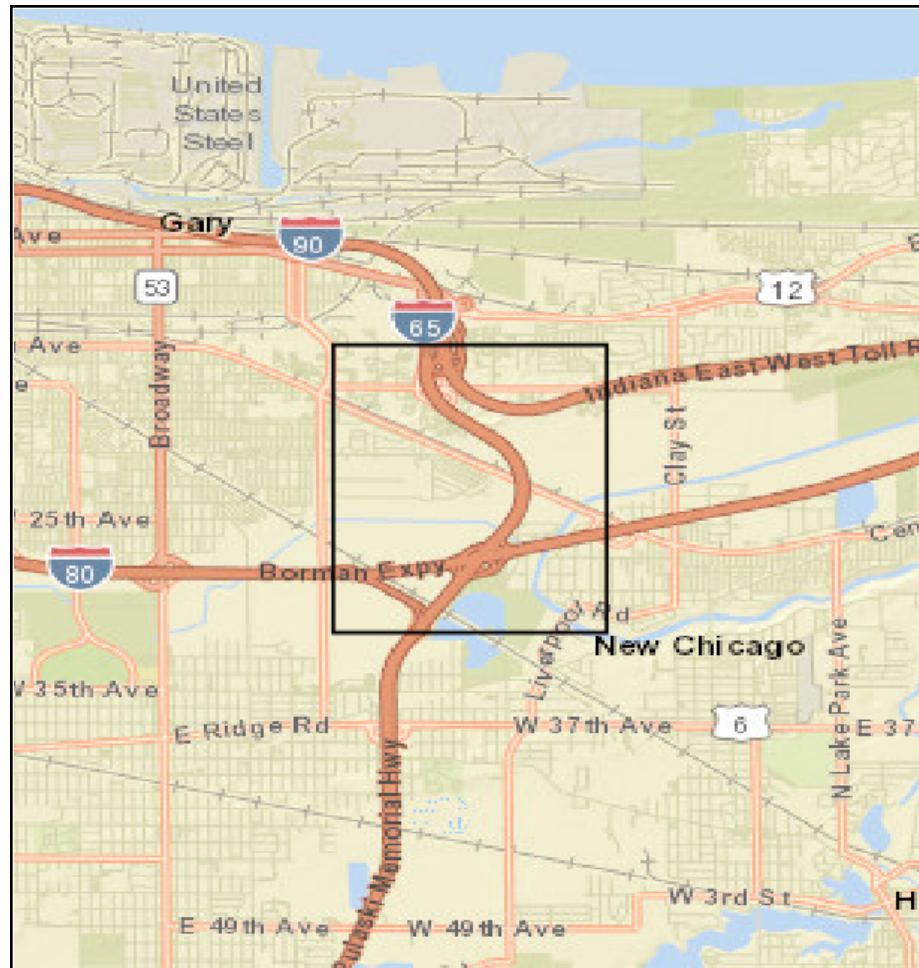


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of Engineers



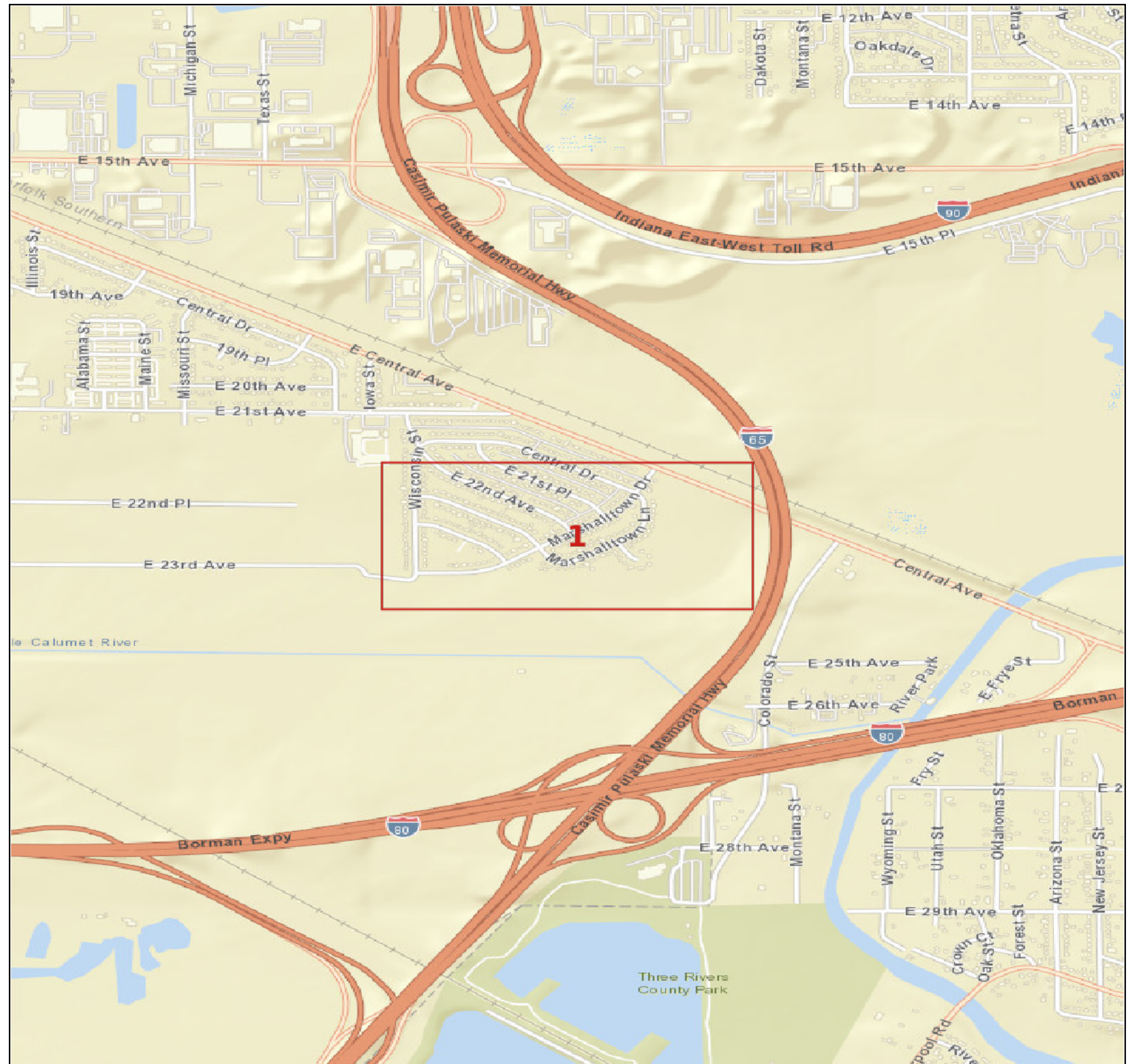
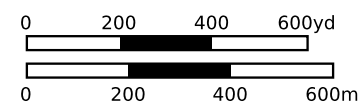
## SHEET INDEX

**Levee: Marshalltown**



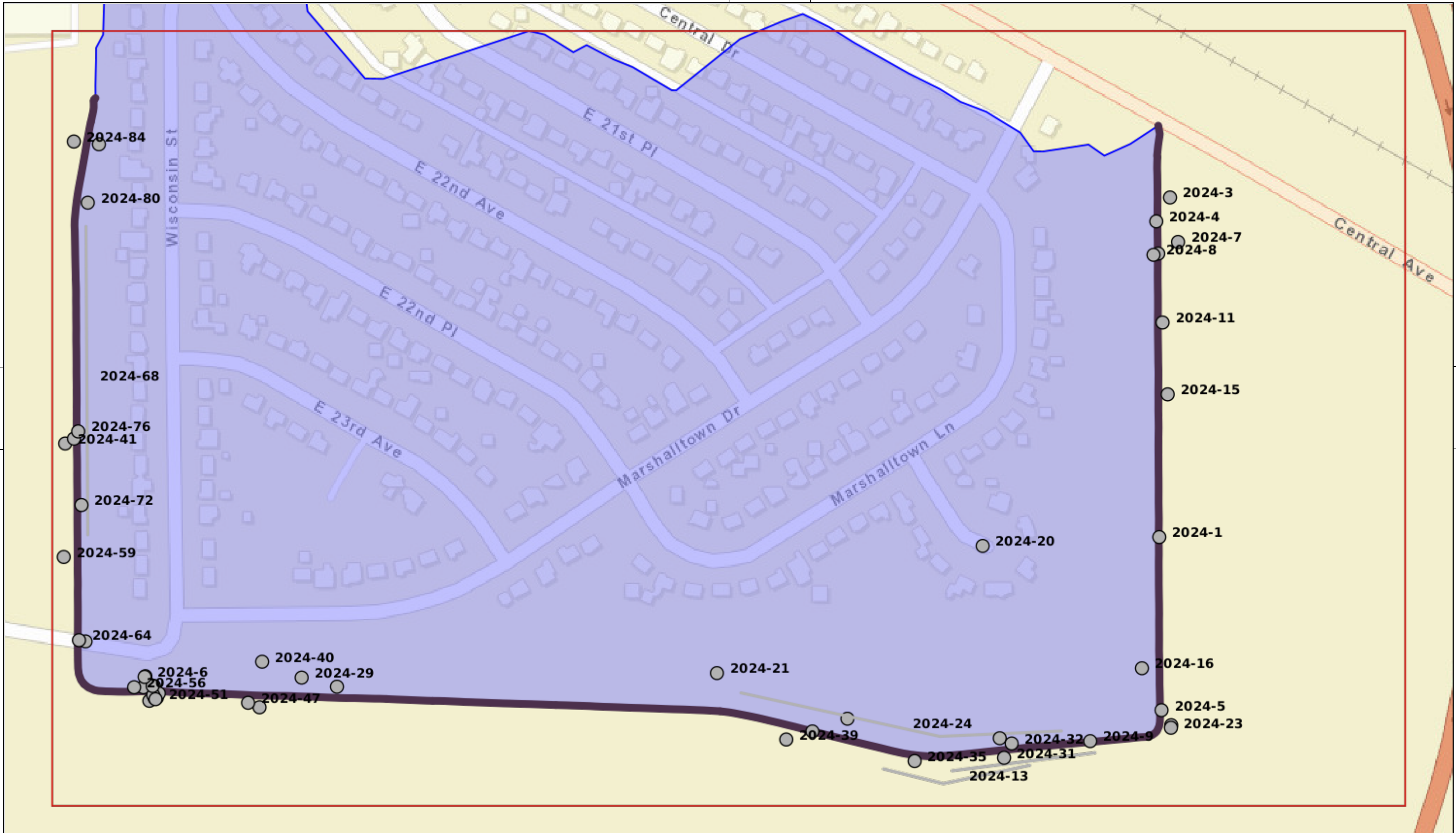
## MAP ELEMENTS

## 1 Standard Sheets





NONE



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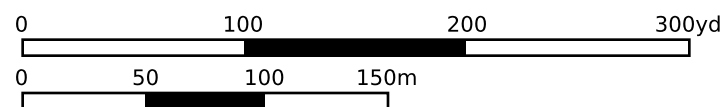
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NONE



- OBSERVATIONS**
- Acceptable
  - Minimally Acceptable
  - Unacceptable
  - Not Applicable

Scale = 1:3000



NLD	Sheet: 1	08-Apr-2024
	Marshalltown	
	Type: Site Visit	10-Apr-2024

### Subset of Inspection Items for Rehabilitation Program Eligibility Determination

In order to be eligible, all of the following items must be rated A, M, N/A or Yes.

Note: Item numbers listed below refer to their placement in the Inspection Checklist for the Marshalltown Levee Segment.

Rehabilitation Program Eligibility Determination		
Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Public sponsor provided maintenance information per the Public Sponsor Pre-Inspection Form.
Yes <input type="checkbox"/>	No <input type="checkbox"/>	Non-federal levee system meets Initial Eligibility criteria.
N/A <input checked="" type="checkbox"/>		
If either of the above items is marked "No" the levee system is not eligible.		
Rating	Rated Item	
Levee Embankments		
A <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/>	3. Encroachments	
A <input type="checkbox"/> U <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	4. Closure Structures (Stop Log, Earthen Closures, Gates, or Sandbag Closures)	
A <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/>	5. Slope Stability	
A <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/>	6. Erosion/ Bank Caving	
A <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/>	10. Animal Control	
A <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/>	11. Culverts/Discharge Pipes (This item includes both concrete and corrugated metal pipes.)	
A <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	14. Underseepage Relief Wells/Toe Drainage Systems	
Floodwalls – N/A		
A <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/>	2. Encroachments	
A <input type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/>	3. Closure Structures (Stop Log Closures and Gates)	
A <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/>	5. Tilting, Sliding, or Settlement of Concrete Structures	
A <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/>	6. Foundation of Concrete Structures	



A	<input type="checkbox"/>	8. Underseepage Relief Wells/Toe Drainage Systems
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
<b>Interior Drainage System</b>		
A	<input checked="" type="checkbox"/>	9. Culverts/Discharge Pipes
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
A	<input checked="" type="checkbox"/>	10. Sluice/Slide Gates
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
A	<input checked="" type="checkbox"/>	11. Flap Gates/Flap Valves/Pinch Valves
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
<b>Pump Stations – N/A</b>		
A	<input checked="" type="checkbox"/>	17. Intake and Discharge Pipelines
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
A	<input checked="" type="checkbox"/>	18. Sluice/Slide Gates
M	<input type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
A	<input type="checkbox"/>	19. Flap Gates/Flap Valves/Pinch Valves
M	<input checked="" type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
<b>Rehabilitation Program Status</b>		
Active	<input checked="" type="checkbox"/>	System meets all interim eligibility criteria, including having received a rating of A, M, N/A or Yes for all subset items and is therefore eligible for rehabilitation assistance.
Inactive	<input type="checkbox"/>	System does not meet interim eligibility requirements.
Comments:  No significant issues.		