



US Army Corps
of Engineers ®

Site Visit Summary

Name of System: Gary

Name of Segment: Gary South

NLD System ID: 2605000003 NLD Segment ID: 2604000004

Segment Type: _____

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

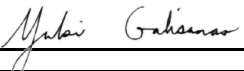
Field Trip Report Prepared by: Chris Schaal Date of Site Visit: 04/08/2024 - 04/12/2024

Other Segments Within This System

Segment Name	NLD Segment ID#	Segment Type
Gary Ironwood	2604000039	USACE Constructed, Public sponsor O&M
NPS - Gary North Railroad Tieback	2604000017	Non-Federally Constructed, local O&M
NPS - Martin Luther King Drive	2604000019	Non-Federally Constructed, local O&M
INDOT	2604000015	Non-Federally Constructed, local O&M
Gary Burr St	2604000005	USACE Constructed, Public sponsor O&M
Gary North	2604000003	USACE Constructed, Public sponsor O&M

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	Geotech	
Brian Sweeney	USACE - Chicago District	Geotech	
Andrew Lin	USACE	Structural	
Kiril Zumbulev	USACE	Mechanical	

Colin Smalley	USACE	Regulatory	
Kaitlyn Wesolowski	USACE	H&H	
Alan Jaski	USACE	Electrical	
Art Rundzaitis	USACE	Construction	
Adam McLade	TOG		
Eric Copper	TOG		
Symeon Coleman	1st Response		
Terry Saller	1st response		
Dakari Tyler	GLEM		
Jason Gerald	TOG		
Oliver King	GLEM		
Dave Washington	GLEM		
Jim T Harris	1st response		
Dan Repay	LCRBDC		
Levee Safety Program Manager Signature: Yuki Galisanao, PE, PG 			
			Date: 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 trees close to the toe of the levee and floodwalls, bank caving along the riverside toe, significant depressions and rutting on the crest, and a broken flap gate at Cleveland pump station. Copies of operational manuals were not on site at pump stations. Minor issues with unwanted vegetation, debris encroachments, animal burrows, rutting, sod cover, depressions on the crest, concrete/asphalt cracking and spalling, floodwall sealant cracking, flap gates being obstructed by debris, debris in and around culvert and discharge pipes, damaged culvert inlet grates, damaged pump station fences, and cracked or missing electric buttons on the Cleveland pump station electrical equipment.

Observations and Photos



Inspect ID: 2024-0005

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55272/-87.37472

Caption:

No User Rating (Site Visit) - Trees and vegetation within 15 feet of landside toe.



Inspect ID: 2024-0008

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55272/-87.37478

Caption:

No User Rating (Site Visit) - Trees and vegetation on riverside toe.



Inspect ID: 2024-0020

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55570/-87.37477

Caption:

No User Rating (Site Visit) - Small trees and vegetation on landside toe.



Inspect ID: 2024-0043

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.56470/-87.35374

Caption:

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



Inspect ID: 2024-0063

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55909/-87.33955

Caption:

No User Rating (Site Visit) - Tree near riverside toe.



Inspect ID: 2024-0072

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.56380/-87.35740

Caption:

No User Rating (Site Visit) - Tree observed at landside toe.



Inspect ID: 2024-0121

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.56064/-87.33486

Caption:

No User Rating (Site Visit) - Several dead trees near riverside toe and one downed tree on the riverside toe.



Inspect ID: 2024-0153

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.56526/-87.31916

Caption:

No User Rating (Site Visit) - Dead trees, brush and debris on riverside toe.



Inspect ID: 2024-0172

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.56072/-87.33567

Caption:

No User Rating (Site Visit) - Tree on landside levee toe.



Inspect ID: 2024-0079

Rated Item: 2. Sod Cover

Lat/Long: 41.56080/-87.32544

Caption:

No User Rating (Site Visit) - Poor sod condition on riverside slope. Believed to be result of herbicide over-application.



Inspect ID: 2024-0132
Rated Item: 2. Sod Cover
Lat/Long: 41.56056/-87.34379
Caption:

No User Rating (Site Visit) - Poor grass coverage on landside slope due to recent burn.



Inspect ID: 2024-0140
Rated Item: 2. Sod Cover
Lat/Long: 41.55946/-87.34106
Caption:

No User Rating (Site Visit) - Area of poor grass coverage on landside slope and toe after recent burn.



Inspect ID: 2024-0144

Rated Item: 2. Sod Cover

Lat/Long: 41.55912/-87.33983

Caption:

No User Rating (Site Visit) - Area of poor grass coverage on landside slope and toe after recent burn.



Inspect ID: 2024-0152

Rated Item: 2. Sod Cover

Lat/Long: 41.55957/-87.33749

Caption:

No User Rating (Site Visit) - Area of poor sod coverage on landside slope after recent burn.



Inspect ID: 2024-0192

Rated Item: 2. Sod Cover

Lat/Long: 41.56058/-87.32654

Caption:

No User Rating (Site Visit) - Minimal sod cover observed on landside slope



Inspect ID: 2024-0001

Rated Item: 3. Encroachments

Lat/Long: 41.55240/-87.37499

Caption:

No User Rating (Site Visit) - Tire observed on landside toe.



Inspect ID: 2024-0004

Rated Item: 3. Encroachments

Lat/Long: 41.55245/-87.37498

Caption:

No User Rating (Site Visit) - Fallen logs and other debris observed on riverside toe



Inspect ID: 2024-0021

Rated Item: 3. Encroachments

Lat/Long: 41.55893/-87.37468

Caption:

No User Rating (Site Visit) - Fallen logs washed up on riverside toe.



Inspect ID: 2024-0047

Rated Item: 3. Encroachments

Lat/Long: 41.56412/-87.35357

Caption:

No User Rating (Site Visit) - Riverside debris accumulation



Inspect ID: 2024-0049

Rated Item: 3. Encroachments

Lat/Long: 41.56367/-87.35934

Caption:

No User Rating (Site Visit) - Debris on riverside toe



Inspect ID: 2024-0059

Rated Item: 3. Encroachments

Lat/Long: 41.56367/-87.34683

Caption:

No User Rating (Site Visit) - Dead tree overhanging riverside toe



Inspect ID: 2024-0097

Rated Item: 3. Encroachments

Lat/Long: 41.56385/-87.34909

Caption:

No User Rating (Site Visit) - Downed tree on riverside toe



Inspect ID: 2024-0124

Rated Item: 3. Encroachments

Lat/Long: 41.56316/-87.34636

Caption:

No User Rating (Site Visit) - Tree branches along landside toe



Inspect ID: 2024-0141

Rated Item: 3. Encroachments

Lat/Long: 41.56179/-87.31924

Caption:

No User Rating (Site Visit) - Downed tree debris on riverside toe



Inspect ID: 2024-0188

Rated Item: 3. Encroachments

Lat/Long: 41.56065/-87.32771

Caption:

No User Rating (Site Visit) - Tree and debris on landside toe



Inspect ID: 2024-0204

Rated Item: 3. Encroachments

Lat/Long: 41.56065/-87.32326

Caption:

No User Rating (Site Visit) - Downed tree on landside toe



Inspect ID: 2024-0216

Rated Item: 3. Encroachments

Lat/Long: 41.56067/-87.31931

Caption:

No User Rating (Site Visit) - Debris on landside levee toe



Inspect ID: 2024-0089

Rated Item: 5. Slope Stability

Lat/Long: 41.56421/-87.35362

Caption:

No User Rating (Site Visit) - Typical conditions of the Gary South slopes



Inspect ID: 2024-0033

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.55904/-87.36756

Caption:

No User Rating (Site Visit) - Erosion and bank caving on the riverside toe



Inspect ID: 2024-0041

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.55899/-87.36572

Caption:

No User Rating (Site Visit) - Typical erosion and bank caving on the riverside toe caused by animal burrows collapsing.



Inspect ID: 2024-0045

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.55955/-87.35925

Caption:

No User Rating (Site Visit) - Typical erosion and bank caving. Wave action causing bank caving line on riverside slope



Inspect ID: 2024-0053

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.56419/-87.35944

Caption:

No User Rating (Site Visit) - Heavy erosion on riverside toe and slope caused by wave action



Inspect ID: 2024-0057

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.56430/-87.35943

Caption:

No User Rating (Site Visit) - Active bank caving on riverside toe



Inspect ID: 2024-0060

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.56190/-87.35564

Caption:

No User Rating (Site Visit) - Erosion around gate structure on landside slope



Inspect ID: 2024-0093

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.56391/-87.35175

Caption:

No User Rating (Site Visit) - GS-09: Erosion around the riverside wingwall



Inspect ID: 2024-0136

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.56027/-87.34288

Caption:

No User Rating (Site Visit) - Collapsed/eroded area on landside toe



Inspect ID: 2024-0145

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.56389/-87.31926

Caption:

No User Rating (Site Visit) - Bank caving and erosion on riverside levee toe



Inspect ID: 2024-0148

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.55909/-87.33758

Caption:

No User Rating (Site Visit) - Potential erosion along landside slope burn area



Inspect ID: 2024-0221

Rated Item: 6. Erosion/ Bank Caving

Lat/Long: 41.56437/-87.35938

Caption:

0221 - No User Rating (Site Visit) - Bank caving on riverside toe



Inspect ID: 2024-0013

Rated Item: 7. Settlement

Lat/Long: 41.55487/-87.37478

Caption:

No User Rating (Site Visit) - Dip in levee crest at access road intersection with levee crown.



Inspect ID: 2024-0196

Rated Item: 7. Settlement

Lat/Long: 41.56064/-87.32594

Caption:

No User Rating (Site Visit) - Several depressions observed on landside slope



Inspect ID: 2024-0212

Rated Item: 7. Settlement

Lat/Long: 41.56070/-87.32107

Caption:

No User Rating (Site Visit) - Depression on landside toe.



Inspect ID: 2024-0007

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55667/-87.37484

Caption:

No User Rating (Site Visit) - Depressions in landside toe are retaining water



Inspect ID: 2024-0052

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.55892/-87.36459

Caption:

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



Inspect ID: 2024-0055

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.56382/-87.34967

Caption:

No User Rating (Site Visit) - Rutting along riverside slope



Inspect ID: 2024-0077

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.56463/-87.35465

Caption:

No User Rating (Site Visit) - Tire tracks creating ruts along landside toe



Inspect ID: 2024-0112

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.56390/-87.35362

Caption:

No User Rating (Site Visit) - Rutting and ponding on landside slope and toe



Inspect ID: 2024-0120

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.56388/-87.35047

Caption:

No User Rating (Site Visit) - Animal trail is creating rutting along landside slope



Inspect ID: 2024-0133

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.56069/-87.32535

Caption:

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



Inspect ID: 2024-0137

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.56072/-87.31937

Caption:

No User Rating (Site Visit) - Small depressions on inside corner of riverside slope



Inspect ID: 2024-0208

Rated Item: 8. Depressions/ Rutting

Lat/Long: 41.56064/-87.32138

Caption:

No User Rating (Site Visit) - Rutting on landside toe



Inspect ID: 2024-0025

Rated Item: 9. Cracking

Lat/Long: 41.55889/-87.37392

Caption:

No User Rating (Site Visit) - Small crack in the asphalt on crown of levee



Inspect ID: 2024-0081

Rated Item: 9. Cracking

Lat/Long: 41.56468/-87.35421

Caption:

No User Rating (Site Visit) - Typical cracking along asphalt on crown



Inspect ID: 2024-0085

Rated Item: 9. Cracking

Lat/Long: 41.56467/-87.35402

Caption:

No User Rating (Site Visit) - Crack in asphalt running parallel to levee alignment



Inspect ID: 2024-0105
Rated Item: 9. Cracking
Lat/Long: 41.55971/-87.34173
Caption:

No User Rating (Site Visit) - Typical asphalt cracking in crown



Inspect ID: 2024-0125
Rated Item: 9. Cracking
Lat/Long: 41.56067/-87.33371
Caption:

No User Rating (Site Visit) - Groove in asphalt running parallel to levee alignment



Inspect ID: 2024-0129

Rated Item: 9. Cracking

Lat/Long: 41.56066/-87.33353

Caption:

No User Rating (Site Visit) - Cracked and separated asphalt



Inspect ID: 2024-0009

Rated Item: 10. Animal Control

Lat/Long: 41.55340/-87.37457

Caption:

No User Rating (Site Visit) - Animal burrows are typical along landside toe



Inspect ID: 2024-0015

Rated Item: 10. Animal Control

Lat/Long: 41.55892/-87.36330

Caption:

No User Rating (Site Visit) - Cluster of animal burrows on landside slope



Inspect ID: 2024-0016

Rated Item: 10. Animal Control

Lat/Long: 41.55424/-87.37484

Caption:

No User Rating (Site Visit) - Animal burrows on riverside toe and slope.



Inspect ID: 2024-0023

Rated Item: 10. Animal Control

Lat/Long: 41.56473/-87.35827

Caption:

No User Rating (Site Visit) - Animal burrows on riverside slope



Inspect ID: 2024-0024

Rated Item: 10. Animal Control

Lat/Long: 41.55605/-87.37469

Caption:

No User Rating (Site Visit) - Animal burrows on landside slope



Inspect ID: 2024-0029

Rated Item: 10. Animal Control

Lat/Long: 41.55899/-87.37311

Caption:

No User Rating (Site Visit) - Typical animal burrow on riverside slope



Inspect ID: 2024-0109

Rated Item: 10. Animal Control

Lat/Long: 41.55898/-87.34007

Caption:

No User Rating (Site Visit) - 16-inch deep animal burrow in landside slope



Inspect ID: 2024-0149

Rated Item: 10. Animal Control

Lat/Long: 41.56464/-87.31931

Caption:

No User Rating (Site Visit) - Collapsed animal burrow on riverside slope



Inspect ID: 2024-0017

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.55521/-87.37482

Caption:

No User Rating (Site Visit) - Tree growth on riverside base of floodwall



Inspect ID: 2024-0113

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.56000/-87.33750

Caption:

No User Rating (Site Visit) - Large tree near landside wall



Inspect ID: 2024-0156

Rated Item: 1. Unwanted Vegetation Growth

Lat/Long: 41.56027/-87.33739

Caption:

No User Rating (Site Visit) - Woody vegetation along landside face of floodwall



Inspect ID: 2024-0039

Rated Item: 2. Encroachments

Lat/Long: 41.56468/-87.35541

Caption:

No User Rating (Site Visit) - Debris near landside base of floodwall



Inspect ID: 2024-0065

Rated Item: 2. Encroachments

Lat/Long: 41.56480/-87.35632

Caption:

No User Rating (Site Visit) - Concrete blocks on landside flood wall, could be mowing hazard



Inspect ID: 2024-0069

Rated Item: 2. Encroachments

Lat/Long: 41.56509/-87.35631

Caption:

No User Rating (Site Visit) - Debris near riverside flood wall



Inspect ID: 2024-0092

Rated Item: 2. Encroachments

Lat/Long: 41.56510/-87.35582

Caption:

No User Rating (Site Visit) - Debris near landside corner of floodwall



Inspect ID: 2024-0164

Rated Item: 2. Encroachments

Lat/Long: 41.56062/-87.33694

Caption:

No User Rating (Site Visit) - Animal burrow along landside face of floodwall



Inspect ID: 2024-0168

Rated Item: 2. Encroachments

Lat/Long: 41.56055/-87.33635

Caption:

No User Rating (Site Visit) - Broken sign along riverside of floodwall



Inspect ID: 2024-0035

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.56510/-87.35573

Caption:

No User Rating (Site Visit) - Riverside cracks in wall near joint



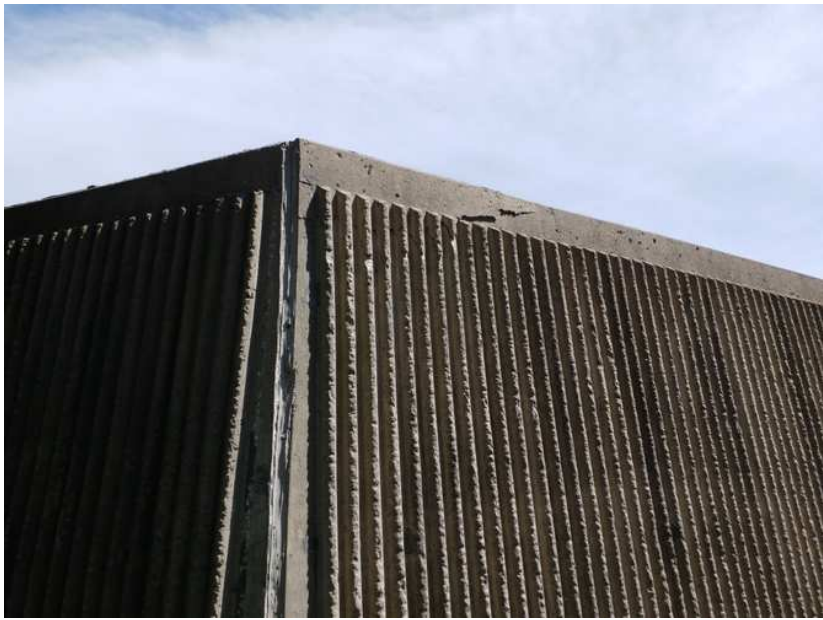
Inspect ID: 2024-0044

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.55548/-87.35929

Caption:

No User Rating (Site Visit) - Rutting along concrete on landside of floodwall.



Inspect ID: 2024-0067

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.56025/-87.33748

Caption:

No User Rating (Site Visit) - Crack at the top corner on the riverside



Inspect ID: 2024-0071

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.56051/-87.33717

Caption:

No User Rating (Site Visit) - Unplugged holes on the river side



Inspect ID: 2024-0088

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.56493/-87.35565

Caption:

No User Rating (Site Visit) - Riverside floodwall joint in good condition (typical)



Inspect ID: 2024-0096

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.56494/-87.35572

Caption:

No User Rating (Site Visit) - Two long cracks observed on landside floodwall



Inspect ID: 2024-0100

Rated Item: 4. Concrete Surfaces

Lat/Long: 41.56468/-87.35572

Caption:

No User Rating (Site Visit) - Rebar sticking out of landside floodwall



Inspect ID: 2024-0027

Rated Item: 6. Foundation of Concrete Structures

Lat/Long: 41.56470/-87.35676

Caption:

No User Rating (Site Visit) - Animal burrow on riverside of floodwall



Inspect ID: 2024-0037

Rated Item: 6. Foundation of Concrete Structures

Lat/Long: 41.55896/-87.36706

Caption:

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



Inspect ID: 2024-0080

Rated Item: 6. Foundation of Concrete Structures

Lat/Long: 41.56362/-87.35610

Caption:

No User Rating (Site Visit) - Animal burrow (approximately 8 inch) along landside of floodwall



Inspect ID: 2024-0117

Rated Item: 6. Foundation of Concrete Structures

Lat/Long: 41.56042/-87.33722

Caption:

No User Rating (Site Visit) - Large animal burrow on landside base



Inspect ID: 2024-0003

Rated Item: 7. Monolith Joints

Lat/Long: 41.55520/-87.37476

Caption:

No User Rating (Site Visit) - Cracking sealant in joint on both sides of floodwall.



Inspect ID: 2024-0011

Rated Item: 7. Monolith Joints

Lat/Long: 41.55879/-87.36685

Caption:

No User Rating (Site Visit) - Cracking sealant in landside joint



Inspect ID: 2024-0018

Rated Item: 7. Monolith Joints

Lat/Long: 41.56068/-87.34390

Caption:

No User Rating (Site Visit) - Degradation of seal on riverside near GS-10



Inspect ID: 2024-0073

Rated Item: 7. Monolith Joints

Lat/Long: 41.56498/-87.35621

Caption:

No User Rating (Site Visit) - Typical riverside flood wall sealant cracking



Inspect ID: 2024-0101

Rated Item: 7. Monolith Joints

Lat/Long: 41.56075/-87.34411

Caption:

No User Rating (Site Visit) - Small sealant cracks on landside floodwall



Inspect ID: 2024-0012

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55394/-87.37475

Caption:

No User Rating (Site Visit) - Trees in landside ditch.



Inspect ID: 2024-0028

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55648/-87.37454

Caption:

No User Rating (Site Visit) - Vegetation in landside ditch



Inspect ID: 2024-0036

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55776/-87.37457

Caption:

No User Rating (Site Visit) - Vegetation in landside ditch. Typical.



Inspect ID: 2024-0040

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55880/-87.37481

Caption:

No User Rating (Site Visit) - Vegetation in landside ditch. (looking east)



Inspect ID: 2024-0048

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55879/-87.36685

Caption:

No User Rating (Site Visit) - Excessive vegetation in ditch and around culverts on landside



Inspect ID: 2024-0056

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55889/-87.36329

Caption:

No User Rating (Site Visit) - Vegetation in ditch on landside



Inspect ID: 2024-0064

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.55939/-87.35925

Caption:

No User Rating (Site Visit) - Vegetation in landside ditch



Inspect ID: 2024-0068

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.56041/-87.35926

Caption:

No User Rating (Site Visit) - Vegetation in landside ditch and around culverts



Inspect ID: 2024-0076

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.56469/-87.35912

Caption:

No User Rating (Site Visit) - Vegetation in landside ditch



Inspect ID: 2024-0108

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.56458/-87.35361

Caption:

No User Rating (Site Visit) - Vegetation in ditch along landside



Inspect ID: 2024-0200

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.56013/-87.32445

Caption:

No User Rating (Site Visit) - Vegetation in landside ditch (typical)



Inspect ID: 2024-0220

Rated Item: 1. Vegetation and Obstructions

Lat/Long: 41.56368/-87.31912

Caption:

No User Rating (Site Visit) - Tree in landside ditch



Inspect ID: 2024-0032

Rated Item: 2. Encroachments

Lat/Long: 41.55669/-87.37477

Caption:

No User Rating (Site Visit) - Mulch pile encroaching on landside ditch



Inspect ID: 2024-0116

Rated Item: 2. Encroachments

Lat/Long: 41.56381/-87.35267

Caption:

No User Rating (Site Visit) - Debris in landside ditch



Inspect ID: 2024-0128

Rated Item: 2. Encroachments

Lat/Long: 41.56184/-87.34526

Caption:

No User Rating (Site Visit) - Debris in landside ditch



Inspect ID: 2024-0054

Rated Item: 4. Fencing and Gates

Lat/Long: 41.56070/-87.33358

Caption:

No User Rating (Site Visit) - GS-14: Damage to fence



Inspect ID: 2024-0006

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

Lat/Long: 41.56468/-87.35509

Caption:

No User Rating (Site Visit) - GS-8: Some spalling on pedestals.



Inspect ID: 2024-0019

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

Lat/Long: 41.56058/-87.35930

Caption:

No User Rating (Site Visit) - GS-04: Spalling on river side wingwall.



Inspect ID: 2024-0042

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

Lat/Long: 41.56077/-87.33608

Caption:

No User Rating (Site Visit) - GS-12: Typical spalling on corners of structure



Inspect ID: 2024-0050

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

Lat/Long: 41.56073/-87.33359

Caption:

No User Rating (Site Visit) - GS-14: Delamination and spalling at patch similar to last year



Inspect ID: 2024-0051

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

Lat/Long: 41.56388/-87.35175

Caption:

No User Rating (Site Visit) - GS-09: Spalling on concrete at outfall riverside



Inspect ID: 2024-0075

Rated Item: 9. Culverts/ Discharge Pipes

Lat/Long: 41.56064/-87.33593

Caption:

No User Rating (Site Visit) - Land side interior drainage culvert outlet overgrown



Inspect ID: 2024-0084

Rated Item: 9. Culverts/ Discharge Pipes

Lat/Long: 41.56372/-87.35746

Caption:

No User Rating (Site Visit) - Broken grate and partially crushed culvert on landside by the Grant West Pump Station.



Inspect ID: 2024-0170

Rated Item: 9. Culverts/ Discharge Pipes

Lat/Long: 41.56470/-87.35656

Caption:

No User Rating (Site Visit) - PS-GW: Scour hole from last year not visible due to high water level



Inspect ID: 2024-0176

Rated Item: 9. Culverts/ Discharge Pipes

Lat/Long: 41.56067/-87.33411

Caption:

No User Rating (Site Visit) - Culverts in landside ditch in good condition



Inspect ID: 2024-0180

Rated Item: 9. Culverts/ Discharge Pipes

Lat/Long: 41.56067/-87.33344

Caption:

No User Rating (Site Visit) - Culverts in good condition on landside



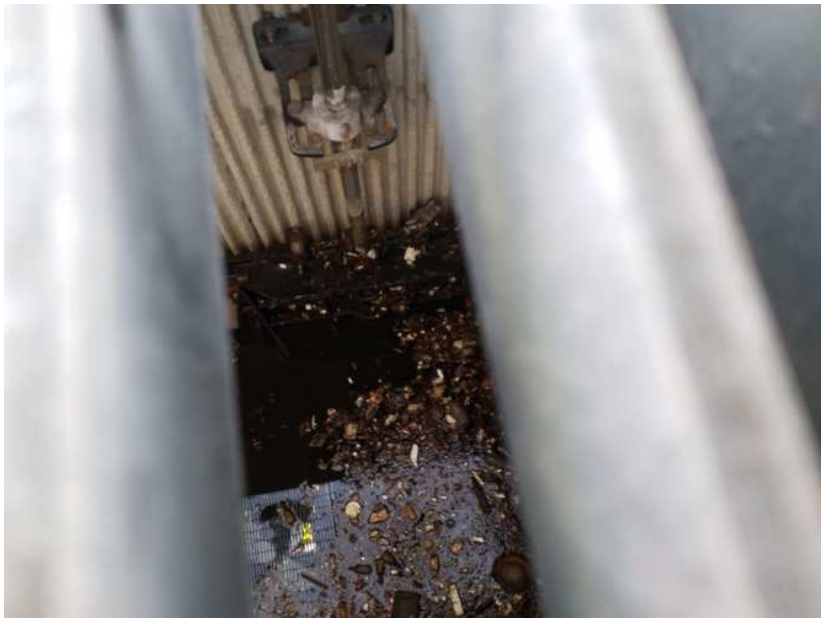
Inspect ID: 2024-0184

Rated Item: 9. Culverts/ Discharge Pipes

Lat/Long: 41.56066/-87.33167

Caption:

No User Rating (Site Visit) - Culverts in landside ditch in good condition



Inspect ID: 2024-0002

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56468/-87.35512

Caption:

No User Rating (Site Visit) - GS-8B: A and B both operated smoothly. C not operated because of high river levels



Inspect ID: 2024-0010

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56460/-87.35499

Caption:

No User Rating (Site Visit) - GS-8C: Closed. Not operated due to high water levels



Inspect ID: 2024-0014

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56062/-87.34396

Caption:

No User Rating (Site Visit) - GS-10: Closed. Some debris obstructing outlet



Inspect ID: 2024-0022

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56083/-87.33637

Caption:

No User Rating (Site Visit) - GS-11: Wingwall has shifted



Inspect ID: 2024-0026

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56077/-87.33637

Caption:

No User Rating (Site Visit) - GS-11: Operated successfully



Inspect ID: 2024-0030

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56076/-87.33601

Caption:

No User Rating (Site Visit) - GS-12A: Gauge is missing.



Inspect ID: 2024-0034

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56082/-87.33599

Caption:

No User Rating (Site Visit) - GS-12A: Water is getting into gate mechanism. Seems seal is broken.



Inspect ID: 2024-0038

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56079/-87.33601

Caption:

No User Rating (Site Visit) - GS-12A: Operated successfully. Can't tell if gate is leaking still. Paint peeling on gate.



Inspect ID: 2024-0046

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56074/-87.33605

Caption:

No User Rating (Site Visit) - GS-12B: Operated successfully. Paint peeling on gate



Inspect ID: 2024-0058

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56070/-87.33359

Caption:

No User Rating (Site Visit) - GS-14: Operated successfully



Inspect ID: 2024-0062

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56071/-87.33291

Caption:

No User Rating (Site Visit) - GS-15: Gauge missing



Inspect ID: 2024-0066

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56073/-87.33293

Caption:

No User Rating (Site Visit) - GS-15: Broken glass on gate structure



Inspect ID: 2024-0070

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56071/-87.33294

Caption:

No User Rating (Site Visit) - GS-15: Gate operated successfully. Could not verify seal due to missing gauge. Gate goes up and down smoothly



Inspect ID: 2024-0078

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56068/-87.32664

Caption:

No User Rating (Site Visit) - GS-16: Operated successfully



Inspect ID: 2024-0106

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56060/-87.35908

Caption:

No User Rating (Site Visit) - GS-04: Gauge and screw shaft can't be seen



Inspect ID: 2024-0110

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56058/-87.35906

Caption:

No User Rating (Site Visit) - GS-04: Closed. Operates smoothly



Inspect ID: 2024-0114

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.55883/-87.35922

Caption:

No User Rating (Site Visit) - GS-03: Erosion making access to gate difficult



Inspect ID: 2024-0118

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.55880/-87.35914

Caption:

No User Rating (Site Visit) - GS-03: Gauge works at sluice gate but is difficult to read



Inspect ID: 2024-0122

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.55886/-87.35923

Caption:

No User Rating (Site Visit) - GS-03: Gate open - no issues with operation but some silting on gate



Inspect ID: 2024-0126

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.55887/-87.36666

Caption:

No User Rating (Site Visit) - GS-02D: Closed. Some squeaking



Inspect ID: 2024-0130

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.55882/-87.36676

Caption:

No User Rating (Site Visit) - GS-02C: Closed. Operates well



Inspect ID: 2024-0138

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.55883/-87.36682

Caption:

No User Rating (Site Visit) - GS-02B: Closed. Squeaks during operation



Inspect ID: 2024-0142

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.55879/-87.36685

Caption:

No User Rating (Site Visit) - GS-02A: Closed. Some squeaking during operation



Inspect ID: 2024-0146

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.55525/-87.37462

Caption:

No User Rating (Site Visit) - GS-01: Closed. Operates well with some squeaking



Inspect ID: 2024-0154

Rated Item: 10. Sluice / Slide Gates

Lat/Long: 41.56465/-87.35667

Caption:

No User Rating (Site Visit) - GS-05: Slight leakage. Not operated because it will backflow to pump station



Inspect ID: 2024-0074

Rated Item: 11. Flap Gates/ Flap Valves/ Pinch Valves

Lat/Long: 41.56077/-87.32662

Caption:

No User Rating (Site Visit) - GS-16: Flap gates not sealing completely. Debris blocking seal



Inspect ID: 2024-0134

Rated Item: 11. Flap Gates/ Flap Valves/ Pinch Valves

Lat/Long: 41.55877/-87.36685

Caption:

No User Rating (Site Visit) - GS-02: Phragmites blocking pipes



Inspect ID: 2024-0150

Rated Item: 11. Flap Gates/ Flap Valves/ Pinch Valves

Lat/Long: 41.55521/-87.37481

Caption:

No User Rating (Site Visit) - GS-01: Very slight leakage on flap gate



Inspect ID: 2024-0158

Rated Item: 2. Pump Station Operations and Maintenance Equipment Manuals

Lat/Long: 41.56355/-87.35600

Caption:

No User Rating (Site Visit) - PS-GE: No manuals on site. Manuals in central office



Inspect ID: 2024-0166

Rated Item: 2. Pump Station Operations and Maintenance Equipment Manuals

Lat/Long: 41.56465/-87.35654

Caption:

No User Rating (Site Visit) - PS-GW: Operations manual not on site but is in main office



Inspect ID: 2024-0206

Rated Item: 2. Pump Station Operations and Maintenance Equipment Manuals

Lat/Long: 41.56072/-87.33604

Caption:

No User Rating (Site Visit) - PS-BW: No operations manual on site. Operations manual at central office



Inspect ID: 2024-0061

Rated Item: 5. Plant Building

Lat/Long: 41.56461/-87.35664

Caption:

No User Rating (Site Visit) - PS-GW: Undermining of asphalt road to pump station.



Inspect ID: 2024-0182

Rated Item: 5. Plant Building

Lat/Long: 41.56464/-87.35658

Caption:

No User Rating (Site Visit) - PS-GW: Hole in sand near corner of foundation



Inspect ID: 2024-0218

Rated Item: 5. Plant Building

Lat/Long: 41.56068/-87.33608

Caption:

No User Rating (Site Visit) - PS-BW: Light on. Possibly a bad photocell



Inspect ID: 2024-0214

Rated Item: 6. Fencing and Gates

Lat/Long: 41.56065/-87.33605

Caption:

No User Rating (Site Visit) - PS-BW: Debris in front of gate



Inspect ID: 2024-0174

Rated Item: 7. Pumps

Lat/Long: 41.56467/-87.35654

Caption:

No User Rating (Site Visit) - PS-GW: Missing bolt and nut on top of pump assembly



Inspect ID: 2024-0178

Rated Item: 9. Sumps / Wet Well

Lat/Long: 41.56465/-87.35657

Caption:

No User Rating (Site Visit) - PS-GW: Trash in sump



Inspect ID: 2024-0210

Rated Item: 9. Sumps / Wet Well

Lat/Long: 41.56071/-87.33604

Caption:

No User Rating (Site Visit) - PS-BW: Too dry to be operated



Inspect ID: 2024-0162

Rated Item: 11. Non-Mechanical Trash Racks

Lat/Long: 41.56357/-87.35600

Caption:

No User Rating (Site Visit) - PS-GE: Trash rack is blocked by some debris



Inspect ID: 2024-0186

Rated Item: 14. Electrical Systems

Lat/Long: 41.56058/-87.35907

Caption:

No User Rating (Site Visit) - PS-CL: Missing reset button



Inspect ID: 2024-0190

Rated Item: 14. Electrical Systems

Lat/Long: 41.56059/-87.35906

Caption:

No User Rating (Site Visit) - PS-CL: Missing hand off auto switch for sump pump



Inspect ID: 2024-0194

Rated Item: 14. Electrical Systems

Lat/Long: 41.56058/-87.35908

Caption:

No User Rating (Site Visit) - PS-CL: GFI breaker also works for cameras



Inspect ID: 2024-0202

Rated Item: 16. Enclosures, Panels, Conduit and Ducts

Lat/Long: 41.56062/-87.35911

Caption:

No User Rating (Site Visit) - PS-CL: Discharge conduit separated.



Inspect ID: 2024-0198

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

Lat/Long: 41.56061/-87.35911

Caption:

No User Rating (Site Visit) - PS-CL: Flap gate broken.

National Levee Database

NLD

LEVEE INSPECTION MAPBOOK

Levee Segment Gary South

NLD Levee Segment ID
2604000004

Location
Gary

Inspection Type
Site Visit

Start Date
08-Apr-2024

End Date
12-Apr-2024

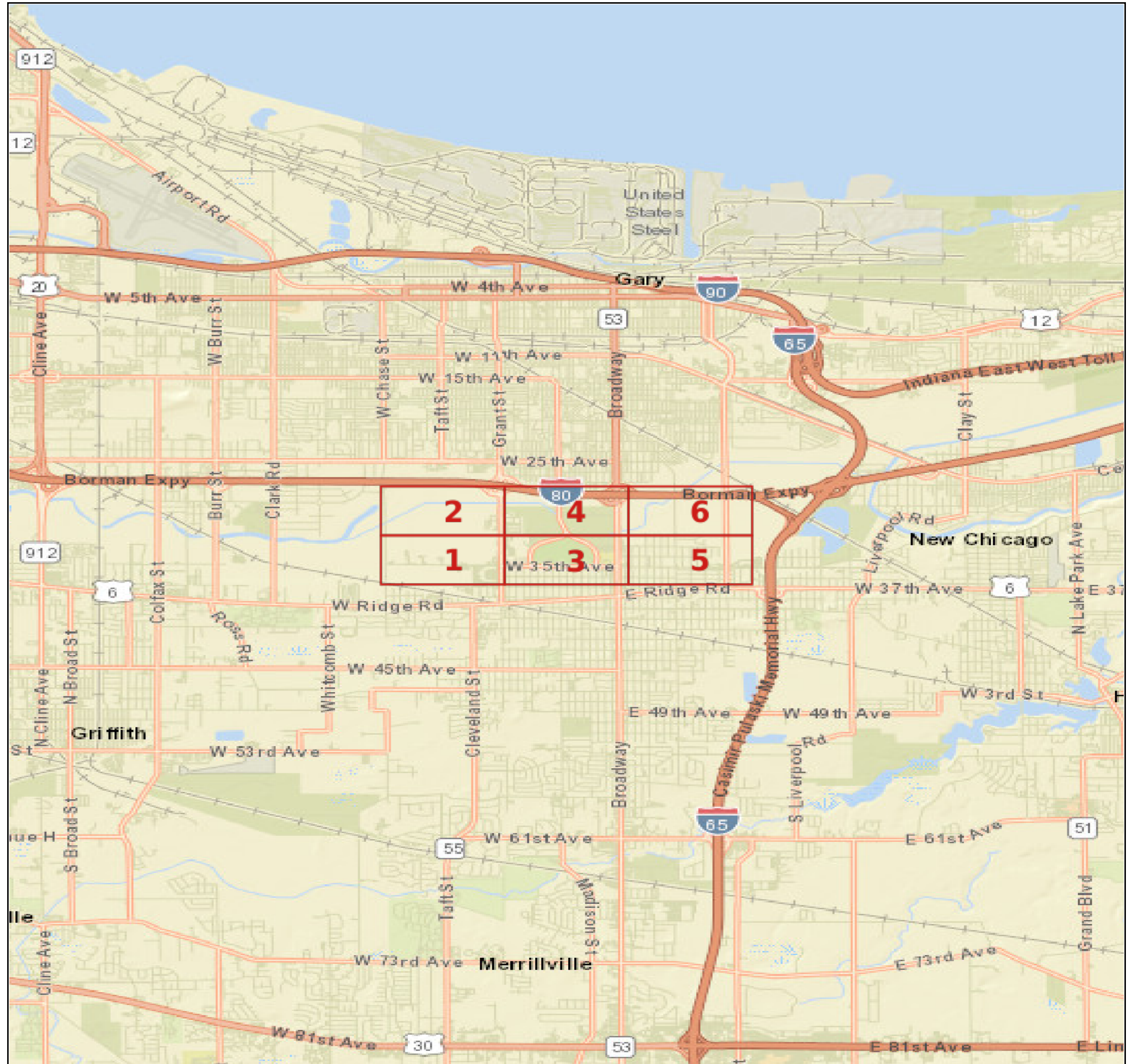
Inspected By
Brian Sweeney, Chris Schaal, Mike



US Army Corps
of Engineers

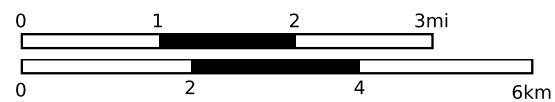
SHEET INDEX

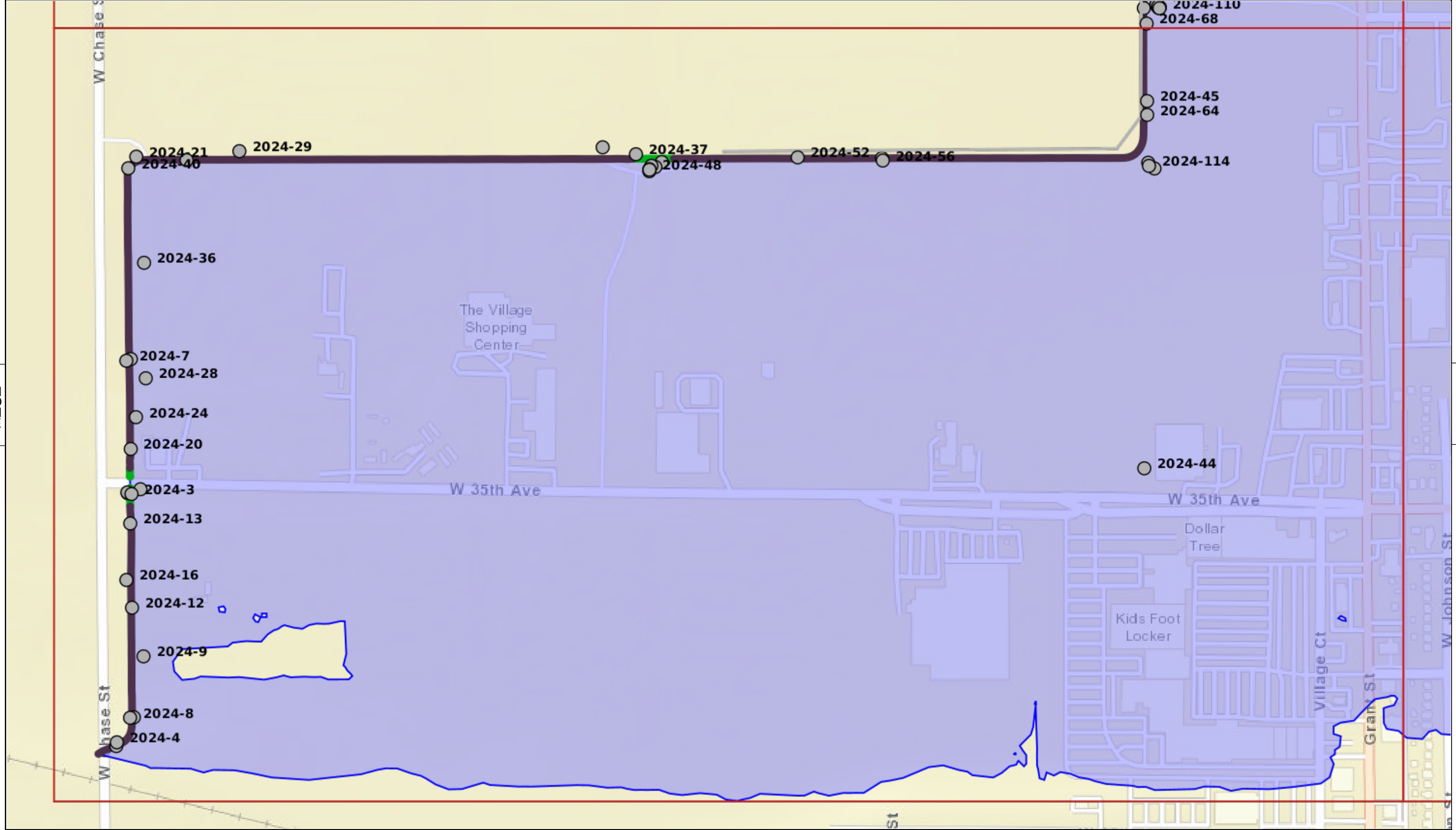
Levee: Gary South



MAP ELEMENTS

6 Standard Sheets





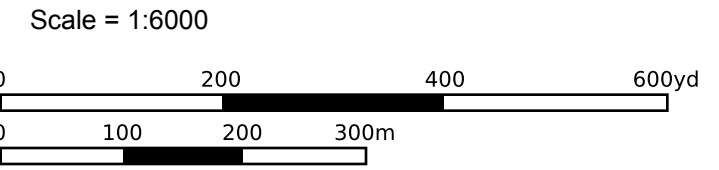
WZOZ

3

NONE

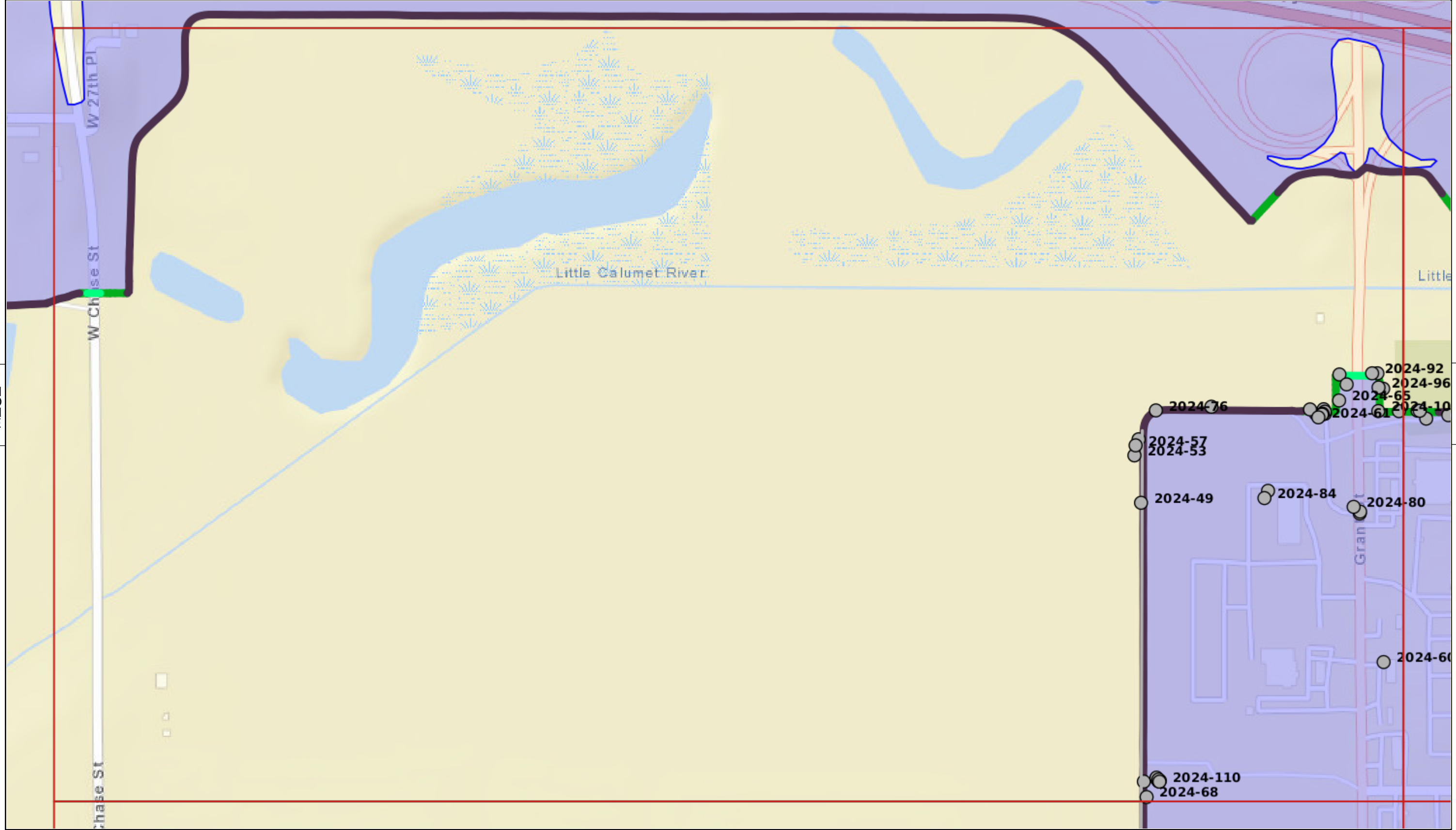


- OBSERVATIONS**
- N Acceptable
 - N Minimally Acceptable
 - N Unacceptable
 - N Not Applicable



NLD	Sheet: 1	08-Apr-2024
	Gary South	
	Type: Site Visit	12-Apr-2024

NONE



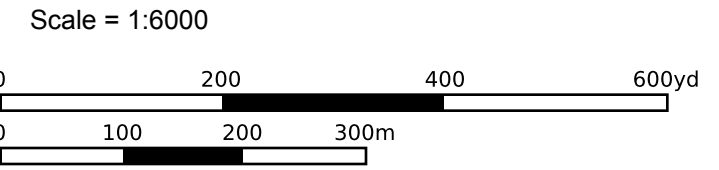
MZOZ

4

1

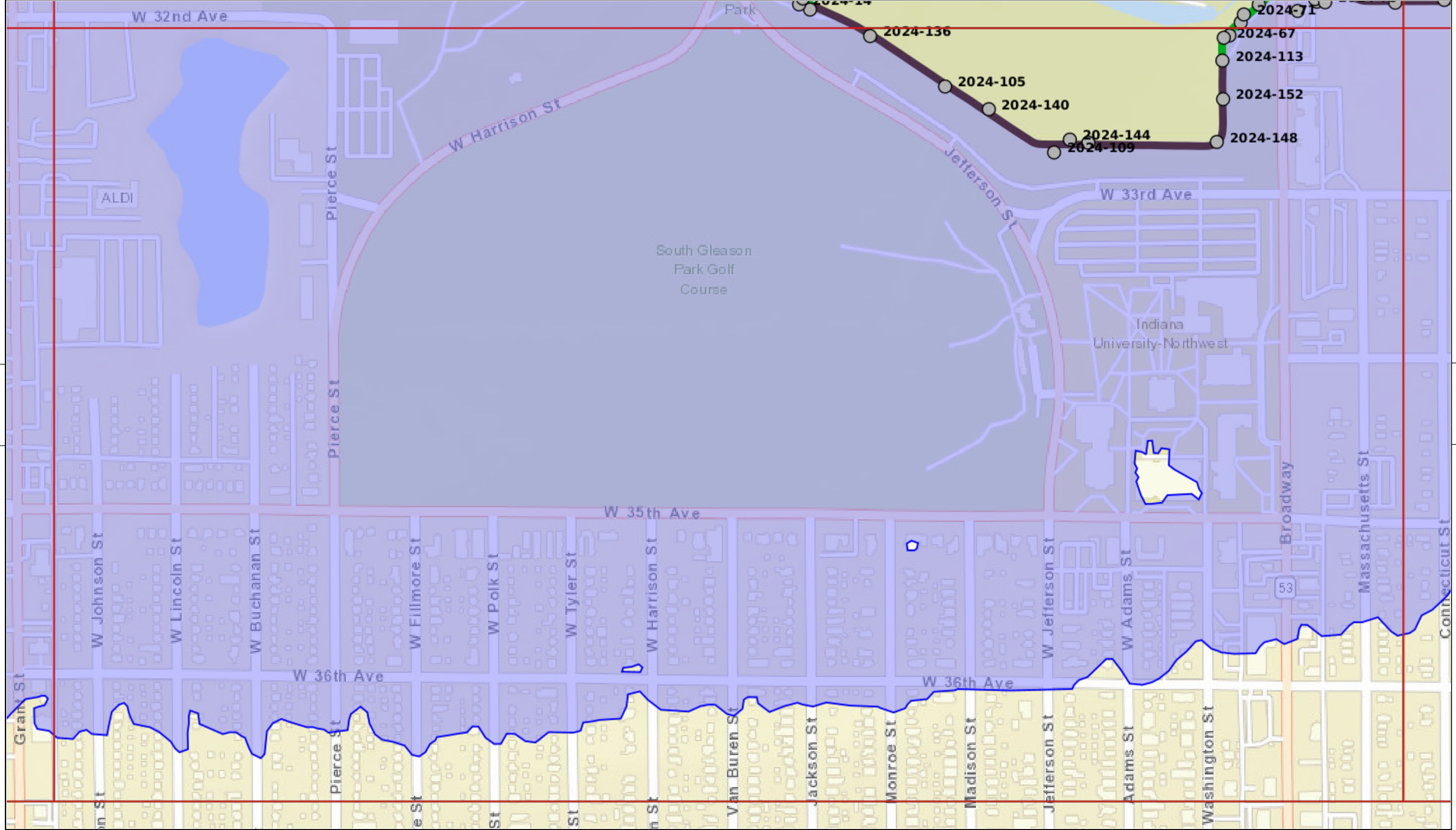


- OBSERVATIONS**
- *N* Acceptable
 - *N* Minimally Acceptable
 - *N* Unacceptable
 - *N* Not Applicable



NLD	Sheet: 2	08-Apr-2024
	Gary South	
	Type: Site Visit	12-Apr-2024

4



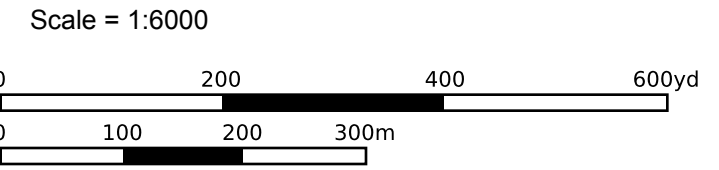
1

5

NONE

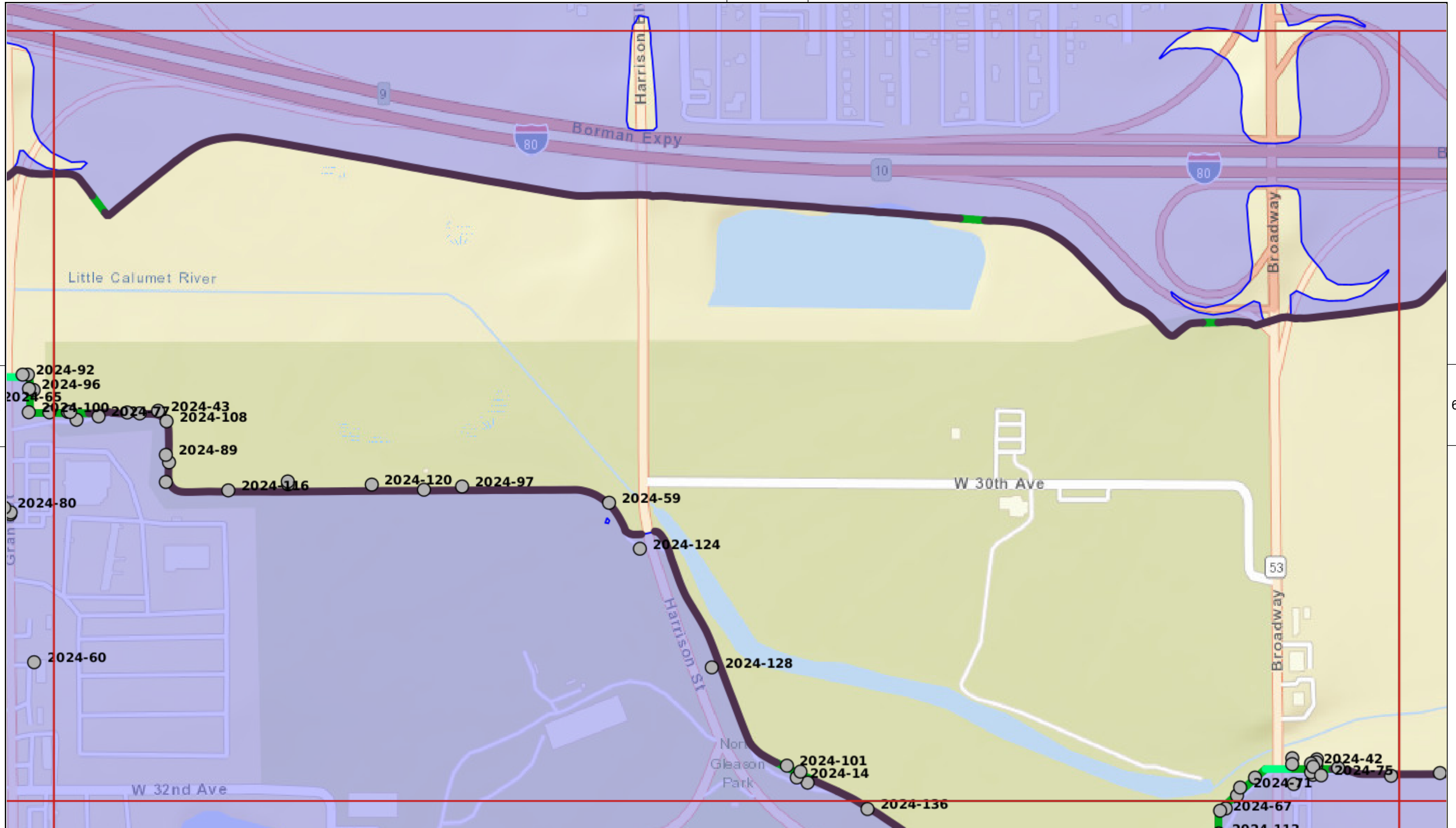


- OBSERVATIONS**
- Acceptable
 - Minimally Acceptable
 - Unacceptable
 - Not Applicable



NLD	Sheet: 3	08-Apr-2024
	Gary South	
	Type: Site Visit	12-Apr-2024

NONE



2

6

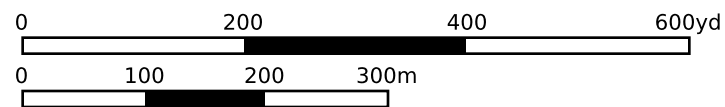
3



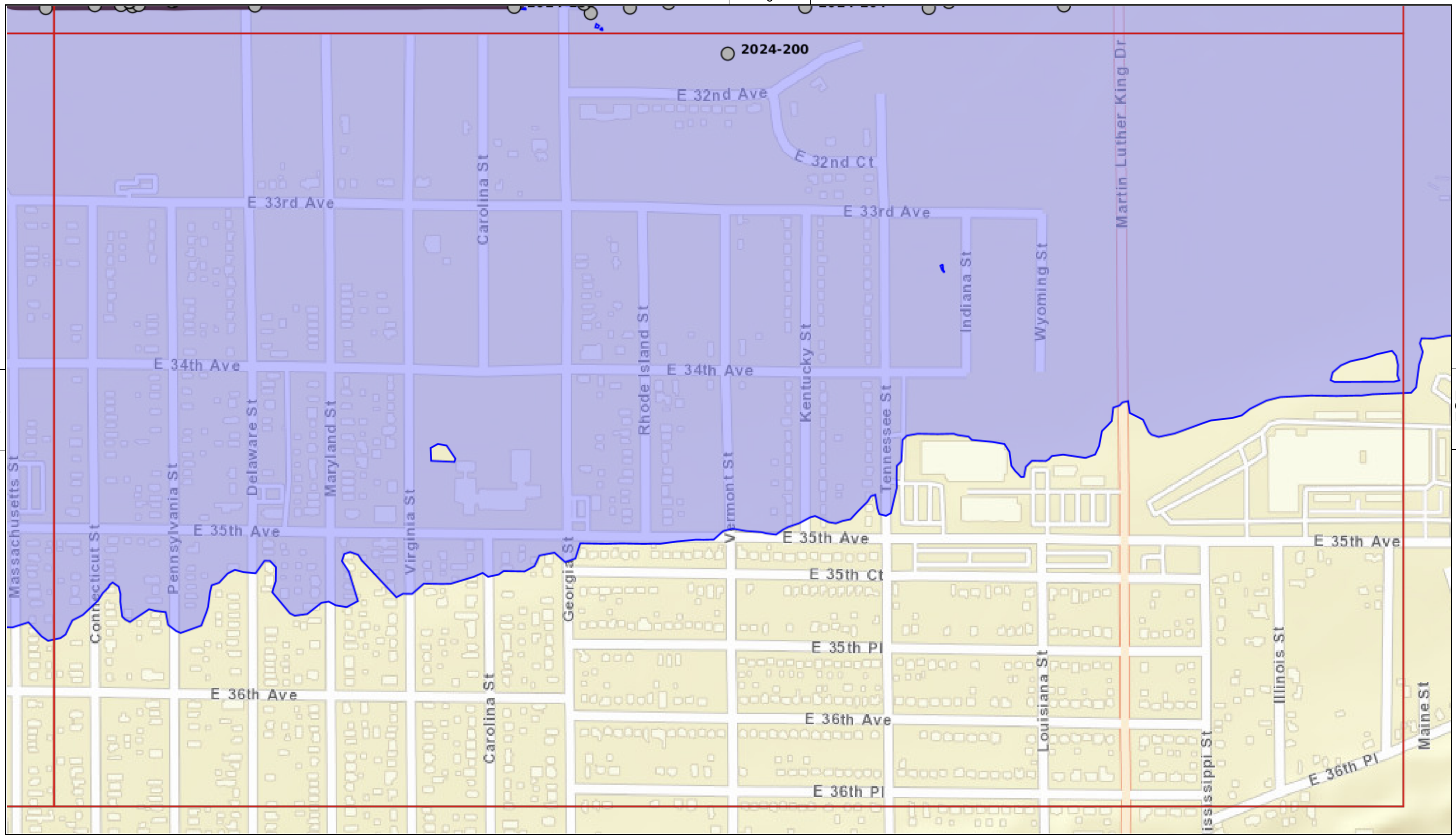
OBSERVATIONS

- *N* Acceptable
- *N* Minimally Acceptable
- *N* Unacceptable
- *N* Not Applicable

Scale = 1:6000



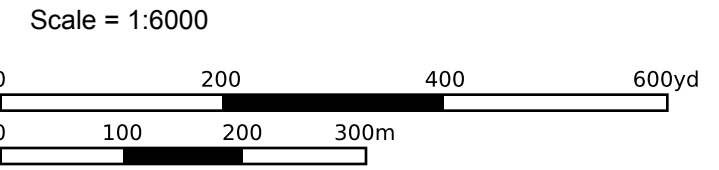
NLD	Sheet: 4	08-Apr-2024
	Gary South	
	Type: Site Visit	12-Apr-2024



NONE

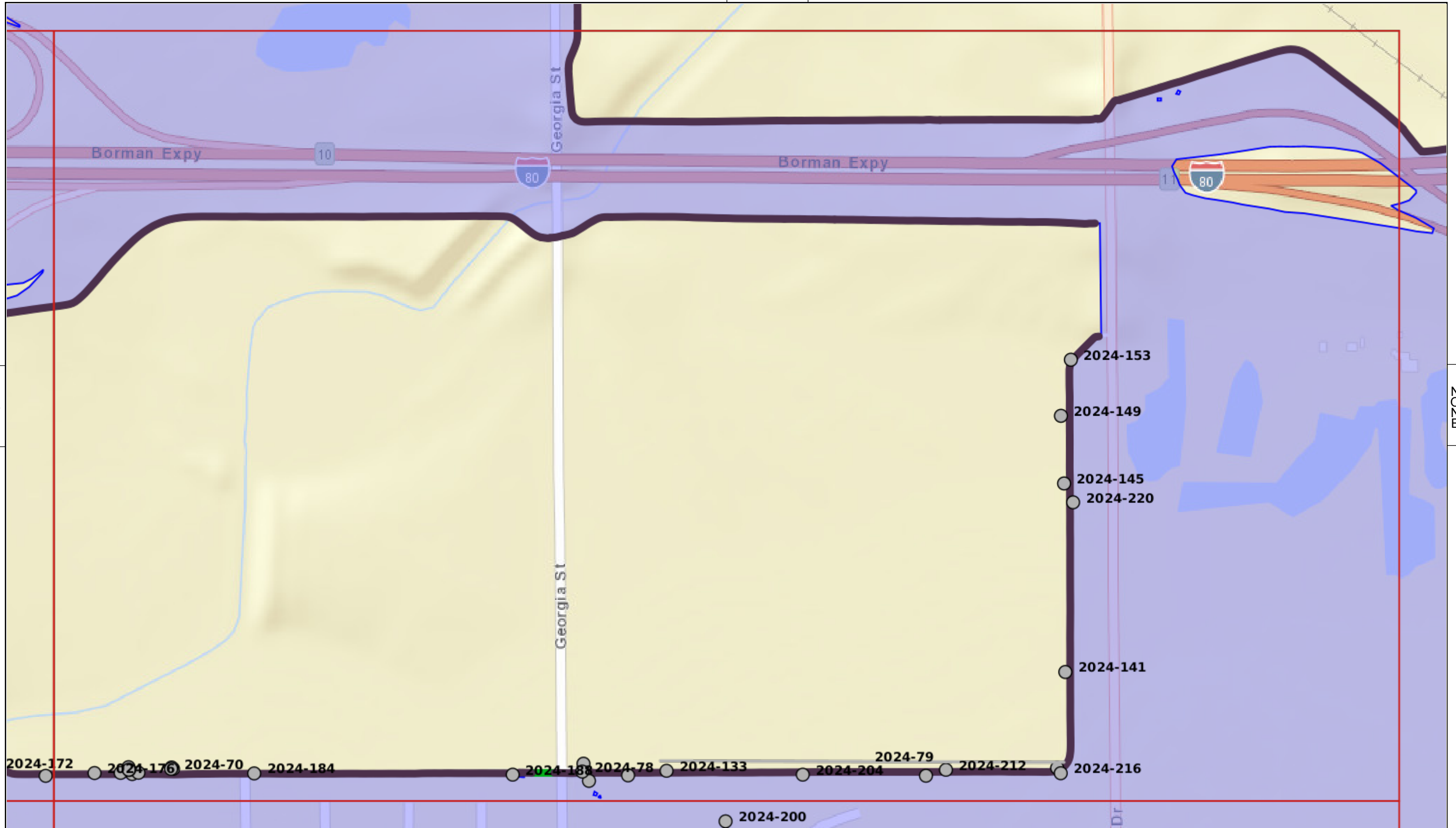


- OBSERVATIONS**
- Acceptable
 - Minimally Acceptable
 - Unacceptable
 - Not Applicable



NLD	Sheet: 5	08-Apr-2024
	Gary South	
	Type: Site Visit	12-Apr-2024

NONE



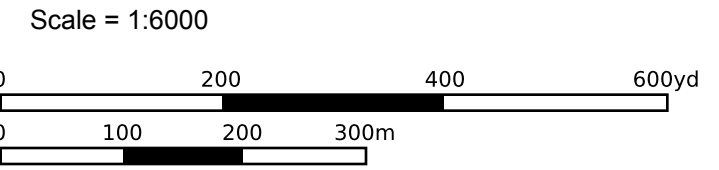
4

NOZ

5



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



NLD	Sheet: 6	08-Apr-2024
	Gary South	
	Type: Site Visit	12-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 Gary South Segment – Gary System.

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"/> N/A <input checked="" type="checkbox"/>	Non-federal levee system meets Initial Eligibility criteria.
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 type="checkbox"/> M <input checked="" 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 checked="" type="checkbox"/> U <input type="checkbox"/>	2. Encroachments
A <input checked="" type="checkbox"/> U <input type="checkbox"/> N/A <input type="checkbox"/>	3. Closure Structures (Stop Log Closures and Gates)
A <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/>	5. Tilting, Sliding, or Settlement of Concrete Structures
A <input type="checkbox"/> M <input checked="" 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 checked="" type="checkbox"/>	
Interior Drainage System		
A	<input type="checkbox"/>	9. Culverts/Discharge Pipes
M	<input checked="" type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
A	<input type="checkbox"/>	10. Sluice/Slide Gates
M	<input checked="" type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
A	<input type="checkbox"/>	11. Flap Gates/Flap Valves/Pinch Valves
M	<input checked="" type="checkbox"/>	
U	<input type="checkbox"/>	
N/A	<input type="checkbox"/>	
Pump Stations – N/A		
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"/>	
Rehabilitation Program Status		
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:		
Only minor issues noted for the system.		