



DEPARTMENT OF THE ARMY
US ARMY CORPS OF ENGINEERS, BUFFALO DISTRICT
478 MAIN STREET
BUFFALO, NEW YORK 14202-3278

October 26, 2023

Elvis Shepard
Reno Beach/Howard Farms Conservancy District
9501 Jerusalem Road,
Curtice, Ohio 43412

Dear Mr. Shepard:

Transmitted herewith is the FY23 Site Visit Summary for the Flood Risk Management Project at Reno Beach-Howard Farms, Lucas County, Ohio. Thank you for your agency's participation. Site Visits are a scalable activity to observe the current conditions of the project and provide a summary of observations and recommendations.

The results of a Site Visit will not change the project's status in the Rehabilitation Program under Public Law 84-99. This project remains **ACTIVE** in the USACE Rehabilitation Program.

Questions pertaining to this matter should be directed to Jason Doktor who can be contacted by telephone at 716-879-4385 or by e-mail at jason.p.doktor@usace.army.mil.

Sincerely,

Adam Hamm, P.E., PMP
Levee Safety Program Manager
Chief, Operations Branch

Enclosure:

CF: Adam Hoff, Reno Beach/Howard Farms Conservancy District
Holly Szuch, Reno Beach/Howard Farms Conservancy District
Sima Merick, Ohio Office of Emergency Management
Christine Gaynes, FEMA Region V
Patricia Moomey, Lucas County Emergency Management
Denis Franklin, Toledo Metroparks
Troy O'Neil, USACE CELRD
Phil Stitzinger, USACE CELRB

National Levee Database

NLD

LEVEE INSPECTION MAPBOOK

Levee Segment
**Lake Erie - Reno
Beach-Howard
Farms**

NLD Levee Segment ID
2404000021

Location
Lake Erie - Reno Beach-Howard Farms

Inspection Type
Site Visit

Start Date
26-Sept-2023

End Date
26-Sept-2023

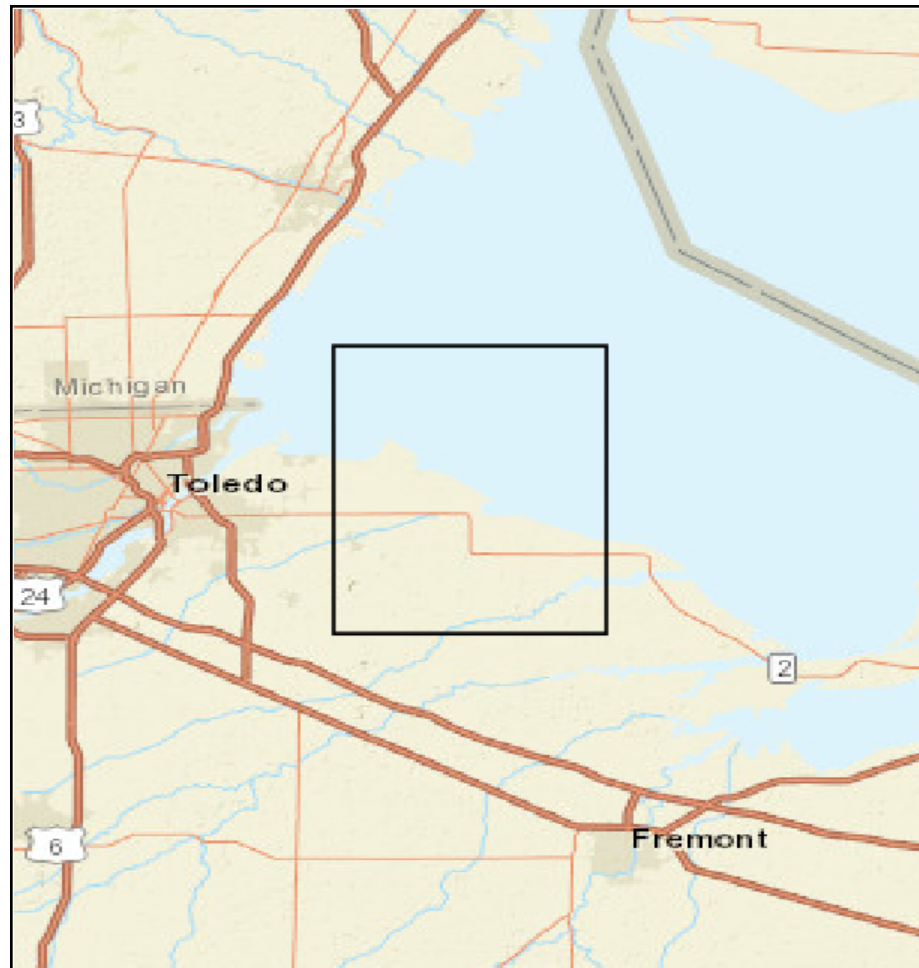
Inspected By
James Rogers, James Rogers



SHEET INDEX

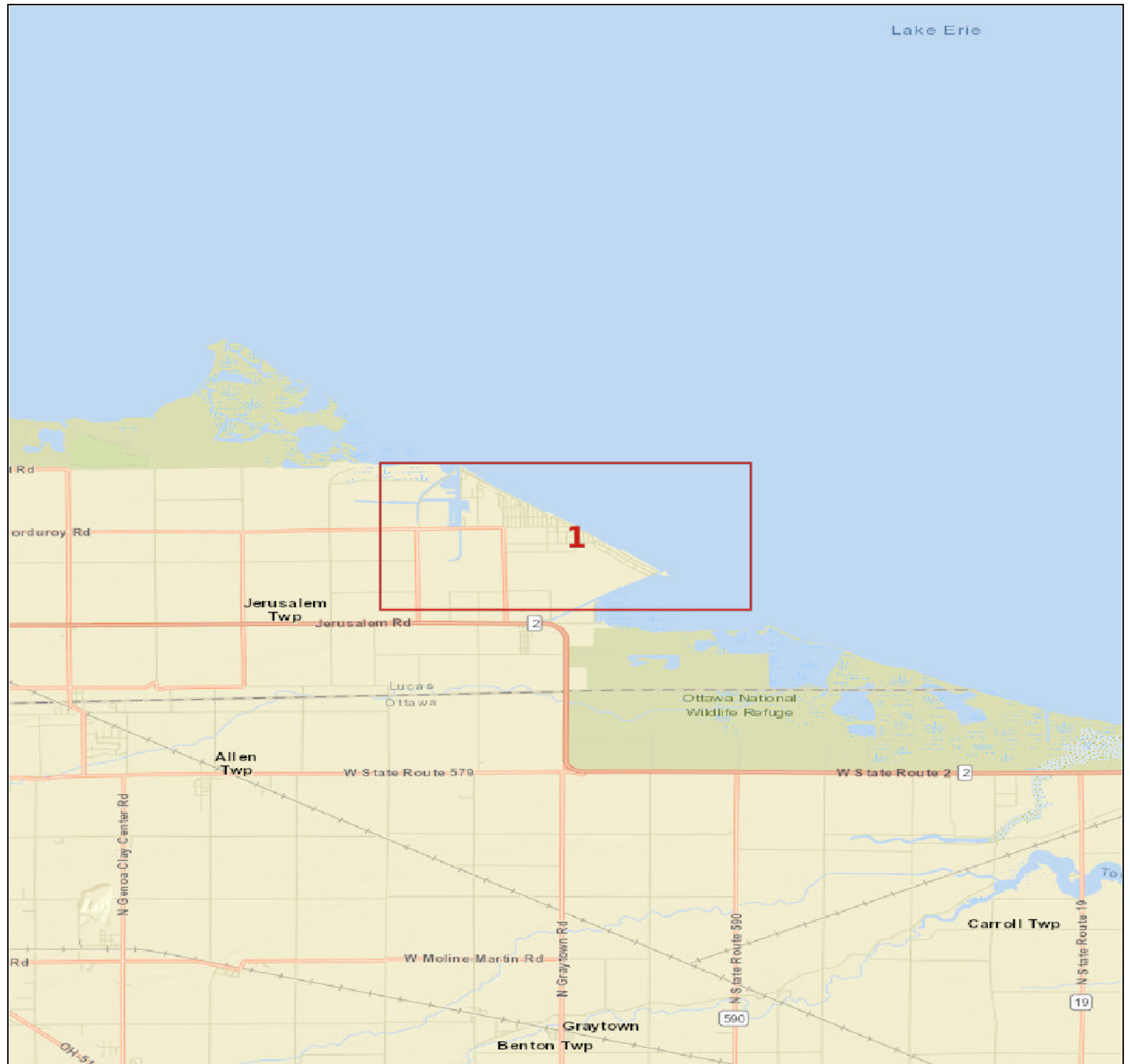
Levee: Lake Erie - Reno Beach-Howard Farms

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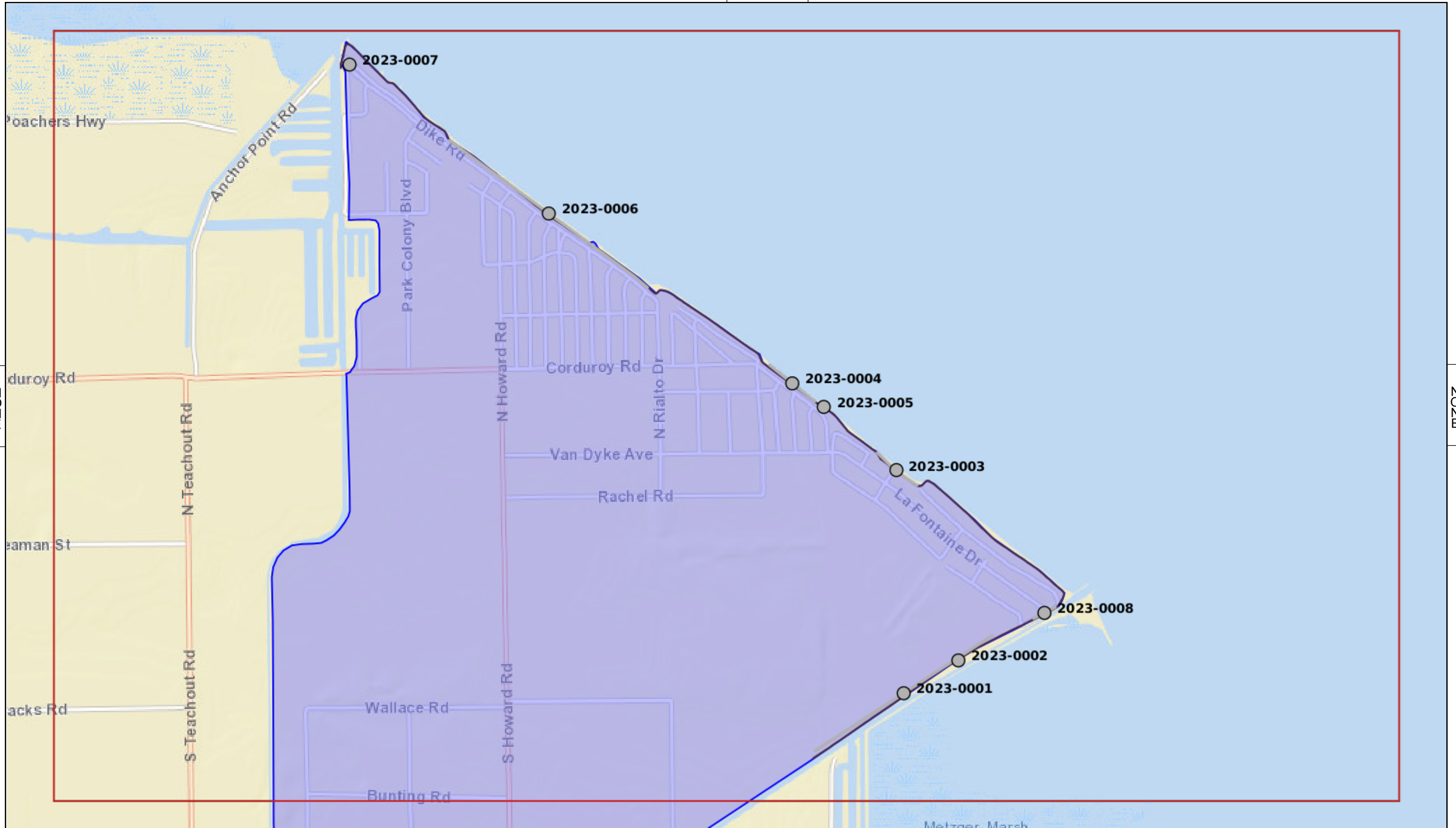


MAP ELEMENTS

1 Standard Sheets



NONE



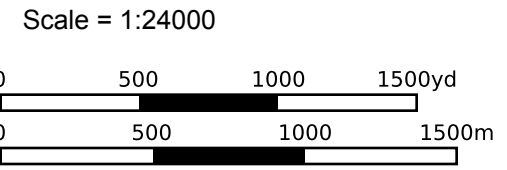
WZON

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NONE



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



NLD	Sheet: 1	26-Sept-2023
	Lake Erie - Reno Beach-Howard Farms	
	Type: Site Visit	26-Sept-2023



**US Army Corps
of Engineers ®**

Site Visit Summary

Name of System: Lake Erie - Reno Beach-Howard Farms

Name of Segment: Lake Erie - Reno Beach-Howard Farms

NLD System ID: 2405000021 NLD Segment ID: 2404000021

Segment Type: FRM Levee

Levee Sponsor (Name and Organization): Reno Beach/Howard Farms Conservancy District

Field Trip Report Prepared by: James Rogers Date of Site Visit: 09/26/2023 - 09/26/2023

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
James Rogers	USACE - Buffalo District		716-879-4118
Denis Franklin	Toledo Metroparks		419-779-6063
Jason Doktor	USACE - Buffalo District		716-879-4385
Adam Hoff	Reno Beach/Howard Farms Conservancy District		419-466-3343
Elvis Shepherd	Reno Beach/Howard Farms Conservancy District		419-967-3943
Sam Wilhelm	Toledo Metroparks		419-708-0585

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]*

A Site Visit of the Reno Beach FRM Project was conducted on September 26th, 2023, by representatives of USACE, the Reno Beach/Howard Farms Conservancy District and the Toledo Metroparks.

The mean monthly Lake Erie water level at the time of this inspection was 573.1 IGLD 1985; the average mean monthly is 572.6 IGLD 1985.

The project in general is being well maintained and operated by the Reno Beach/Howard Farms Conservancy with their current resources.

USACE and the Conservancy discussed potential federal planning/technical assistance programs. The Conservancy should coordinate with the Buffalo District Planning Assistance to States Program Manager, Jen Brancho, 216-598-3463, Jennie.M.Branch@usace.army.mil.

Work was underway at the Cooley Canal Pump Station. Scope of work included debris removal from the inlet as well as control panel improvements.

The power take-off driven (PTO) pump was exercised during the site visit. This pump should be exercised at least annually or in accordance with the manufacturer's recommendations. The inlet and outlet structures should be kept clear of vegetation and debris.

Toledo Metroparks was present during for the fish ladder alteration inspection. Toledo Metroparks continues to satisfactorily maintain their structure in accordance with the 408 permission conditions. Soft vegetation was noted along the landside toe of the Wards Canal levee. Toledo Metroparks will include this work during the next maintenance cycle.

The Wards Canal levee landside slope is degraded after the initial removal of the large trees. The side slopes are steep, and the exposed soil may be susceptible to erosion and/or sloughing. Animal burrows are also present in this area and are being filled in accordance with the USACE Animal Burrow SOP. The Conservancy is working to secure funding to begin to address the deficiencies along the section of the levee. USACE will work with the Conservancy on an appropriate course of action.

USACE conducted a survey in November 2021 to catalog the unauthorized encroachments along the levee. USACE will work with the Conservancy District once the survey results are completed.

There are existing retaining walls along the landside of the levee between Rialto Drive and Dyke Road. These walls were existing prior to construction of the project and therefore are not considered part of the project's O&M. However, they have deteriorated and should be monitored. In the event of a failed wall, any subsequent slope degradation must be corrected.

Observations and Photos



Category:	Levee Embankments	Item:	Unwanted Vegetation
Observation ID:	2023-0001		
Description:	Soft vegetation is growing along the landside toe of the levee adjacent to Wards Canal.		
Caption:	No User Rating (Site Visit) - Looking north from the fish ladder alteration.		
Lat/Long:	41.64925/-83.24365		



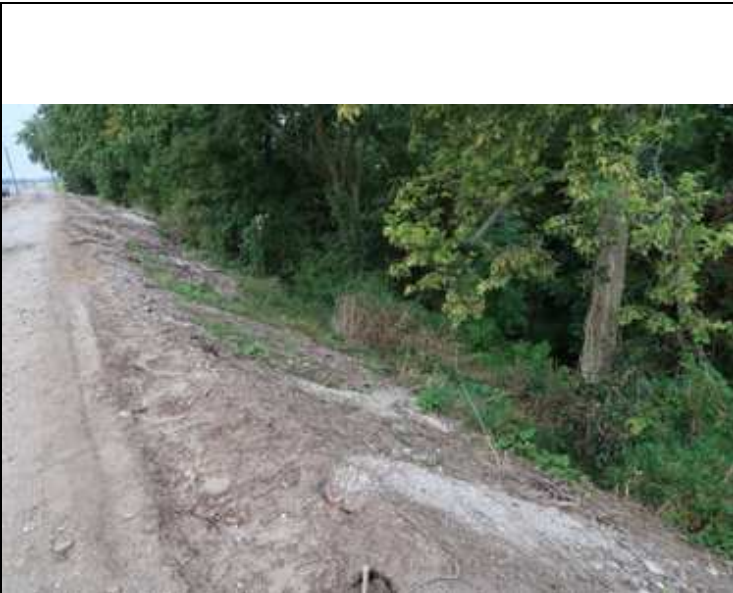
Category:	Levee Embankments	Item:	Unwanted Vegetation
Observation ID:	2023-0001		
Description:	Soft vegetation is growing along the landside toe of the levee adjacent to Wards Canal.		
Caption:	No User Rating (Site Visit) - Looking south from the fish ladder alteration.		
Lat/Long:	41.64925/-83.24365		



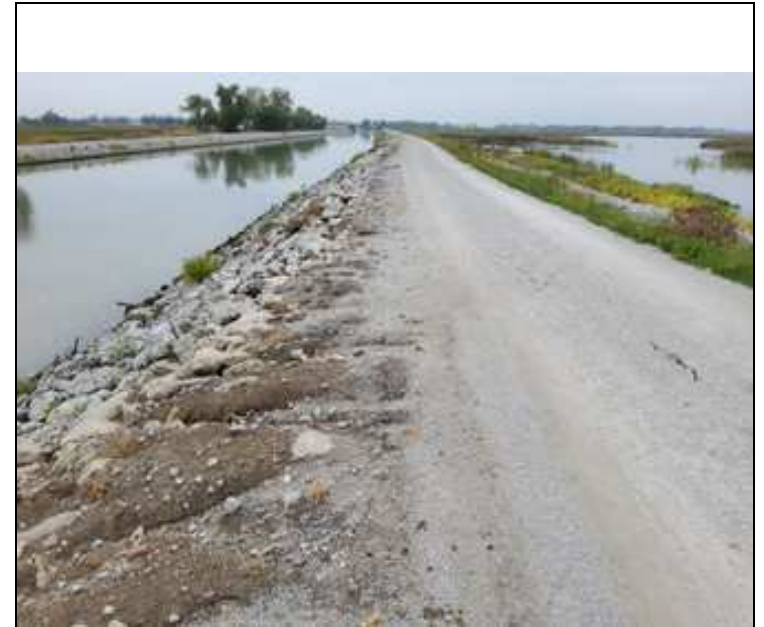
Category:	Levee Embankments	Item:	Unwanted Vegetation
Observation ID:	2023-0003		
Description:	Trees and woody vegetation on the levee landside slope between 12727 and 12743 Lagoon Drive.		
Caption:	No User Rating (Site Visit) - Looking from the end of Bayonne Drive.		
Lat/Long:	41.65738/-83.25070		



Category:	Levee Embankments	Item:	Unwanted Vegetation
Observation ID:	2023-0006		
Description:	Woody vegetation along the landside toe of the levee along Lakeway Drive, between Rialto Drive and Dyke Road.		
Caption:	No User Rating (Site Visit) - Looking west from Rialto Drive.		
Lat/Long:	41.66474/-83.26480		



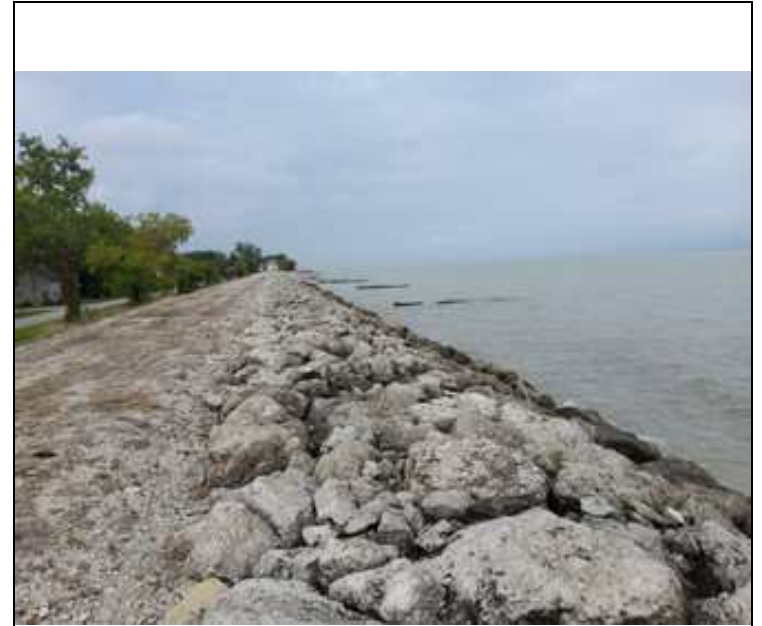
Category:	Levee Embankments	Item:	Sod Cover
Observation ID:	2023-0008		
Description:	The landside slope of the Wards Canal levee has degraded following the initial removal of the large trees. The steep side slopes have exposed soil, increasing the risk of erosion and sloughing.		
Caption:	No User Rating (Site Visit) - Looking south from the end of La Pointe Drive.		
Lat/Long:	41.65001/-83.24111		



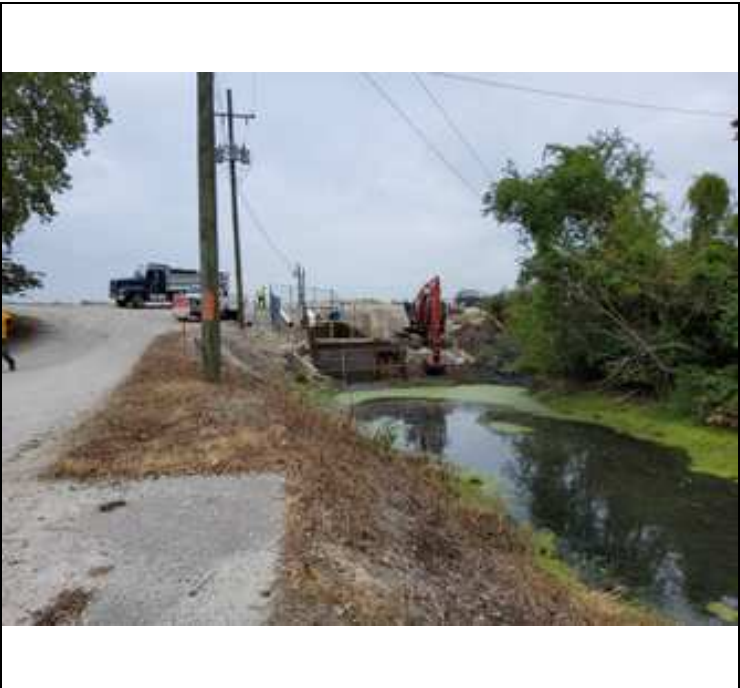
Category:	Levee Embankments	Item:	Erosion/ Bank Caving
Observation ID:	2023-0002		
Description:	Erosion along the crest of the Wards Canal levee should be monitored. If erosion progresses to a point where it threatens the stability of the side slope, corrective measures will be necessary.		
Caption:	No User Rating (Site Visit) - Looking south from the fish ladder alteration.		
Lat/Long:	41.64815/-83.24573		



Category:	Levee Embankments	Item:	Erosion/ Bank Caving
Observation ID:	2023-0005		
Description:	Erosion along the levee crest at 12153 Corduroy Road.		
Caption:	No User Rating (Site Visit)		
Lat/Long:	41.65953/-83.25425		



Category:	Levee Embankments	Item:	Riprap Revetments &
Observation ID:	2023-0004		
Description:	The armor stone on the waterside slope of the levee along Lakeway Drive is in satisfactory condition and is free of vegetation.		
Caption:	No User Rating (Site Visit) - Looking west from Rialto Drive.		
Lat/Long:	41.65967/-83.25454		



Category:	Pump Stations	Item:	Pumps
Observation ID:	2023-0007		
Description:	Debris removal operations are currently underway at the Cooley Canal Pump Station. Additionally, improvements are being made to the electrical control panel systems at the station.		
Caption:	No User Rating (Site Visit)		
Lat/Long:	41.67465/-83.28308		