

**AMERICAN TRANSMISSION SYSTEMS,
INCORPORATED
A FIRSTENERGY COMPANY**

CONSTRUCTION NOTICE

**EAST AKRON-EVANS 138 KV TRANSMISSION LINE
SWITCH REPLACEMENT PROJECT**

OPSB CASE NO.: 26-0266-EL-BNR

June 3, 2026

**American Transmission Systems, Incorporated
341 White Pond Dr.
Akron, Ohio 44320**

**CONSTRUCTION NOTICE
EAST AKRON-EVANS 138 KV TRANSMISSION LINE SWITCH
REPLACEMENT PROJECT
OHIO POWER SITING BOARD CASE NO. 26-0266-EL-BNR**

The following information is being provided in accordance with Chapter 4906-6 of the Ohio Administrative Code (“Adm.Code”) for the application and review of Accelerated Certificate Applications. Based upon the requirements found in Appendix A to Adm.Code 4906-1-01, this Project qualifies for submittal to the Ohio Power Siting Board (“Board”) as a Construction Notice.

4906-6-05: CONSTRUCTION NOTICE APPLICATION REQUIREMENTS

4906-6-05: Name and Reference Number

Name of Project: East Akron-Evans 138 kV Transmission Line Switch Replacement Project

Reference Number: 2045-2

4906-6-05 (B)(1): Brief Description of the Project

American Transmission Systems, Incorporated (“ATSI”), a FirstEnergy company, is proposing to replace an existing one-way inoperable switch, existing switch A-281 on existing structure #9177, by installing one (1) new SCADA controlled switch on a new single steel monopole on a concrete foundation, on the East Akron–Evans 138 kV Transmission Line. The new structure and switch will be located approximately 35 feet north of the existing structure. In addition, the existing 605 kcmil ACSR conductor will be transferred from structure #9178 to the new structure #9177, and new 605 kcmil conductor will replace the same conductor from structure #9177 to #6797. The existing 3#6 Alumoweld shield wire will be transferred from #9178 to #9177. The existing 101.8 kcmil ACSR shield wire between #9175 and #6797 will remain in place. New 3#6 Alumoweld shield wire will be installed from #9175 to #9177.

The Project is located in the city of Akron, Summit County, Ohio. The general location of the Project is shown in **Exhibit 1**, a partial copy of the United States Geologic Survey, Summit County, OH, Quad Map. **Exhibit 2** provides a partial copy of ESRI aerial imagery of the Project area. The General Layout is attached as **Exhibit 3**.

4906-6-05 (B)(1): Construction Notice Requirement

The Project meets the requirements for a Construction Notice because the Project is within the types of projects defined by Items (2)(a) of the Application Requirement Matrix for Electric Power Transmission Lines, Appendix A of Adm.Code 4906-101. Item (2)(a) states:

(2) Adding new circuits on existing structures designed for multiple circuit use, replacing conductors on existing structures with larger or bundled conductors, adding structures to an existing transmission line, or replacing structures with a different type of structure, for a distance of:

(a) Two miles or less.

The Project is within the requirements of Item (2)(a) because the proposed project will replace existing structures of an existing transmission line for a distance less than two miles.

4906-6-05 (B)(2): Need for the Project

The need to replace switch A-281 and structure 9177 on the East Akron-Evans 138 kV Transmission Line is due to the condition of the structure as well as damage sustained during a car-pole accident in 2024. The top of the structure is bending toward the roadway due to the weight of the switch, while the base has mechanical damage from the car-pole accident.

Although both the structure and switch were installed in 2013, the bend in the structure has compromised the switch linkage. Future operation of the switch may result in binding, which could cause a flashover or unplanned line outages. Therefore, temporary repairs were made to bypass the switch and render it inoperable. Additionally, this switch is currently manually operated and requires the operator to stand within the roadway during operation. This is a safety concern for both the operator and public as the pole is located directly next to an active road. By installing a new switch and steel pole, FirstEnergy can restore switching capabilities on this line while eliminating the need for manual operation of the switch in the roadway by installing the SCADA-controlled switch. The implementation of advanced transmission technologies was considered as part of this Project. A SCADA controlled switch will replace an existing air switch. SCADA switches offer significant advantages over traditional air switches, primarily due to their enhanced remote control, monitoring, and automation capabilities. SCADA systems allow for real-time data collection and analysis, enabling remote monitoring of multiple devices, troubleshooting problems, and even controlling equipment from anywhere. Air switches, while simple, lack these advanced features and are typically manually operated.

4906-6-05 (B)(3): Location of the Project Relative to Existing or Proposed Lines

The location of the Project relative to existing or proposed lines is shown in the ATSI Transmission Network Map, included as part of the confidential portion of the FirstEnergy Corp. 2025 Long-Term Forecast Report. This map was submitted to the Public Utility Commission of Ohio (“PUCO”) in Case No. 25-0504-EL-FOR under Adm.Code 4901:5-5:04 (C)(2)(b). The map is incorporated by reference only. This Project is not included in the 2025 LTFR because the Project does not entail any topology or rating change.

4906-6-05 (B)(4): Alternatives Considered

The only alternative considered was to install a new pole while reusing the existing switch. This was not pursued as multiple components would need to be replaced prior to

reinstallation on the new pole and this option would not eliminate the safety issue presented by the control being operated in an active roadway.

4906-6-05 (B)(5): Public Information Program

ATSI's manager of External Affairs will advise local officials of features and the status of the proposed Project as necessary. ATSI will maintain a copy of this Construction Notice, along with other Project information, on FirstEnergy's website:

https://www.firstenergycorp.com/about/transmission_projects/ohio.html.

During all phases of this Project, the public may ask questions, submit comments or contact ATSI through the transmission projects hotline at 1-888-311-4737 or via email at: transmissionprojects@firstenergycorp.com.

4906-6-05 (B)(6): Construction Schedule

Construction on this Project is expected to begin as early as September 22, 2026, and be completed and placed in-service by November 6, 2026.

4906-6-05 (B)(7): Area Map

Exhibit 1 provides a partial copy of the USGS Topographic Map, Summit County, Ohio, and Quad Map. **Exhibit 2** provides a partial copy of ESRI aerial imagery. The general layout of the Project is shown in **Exhibit 3**.

4906-6-05 (B)(8): Property List

The proposed Project is located wholly within existing ROW on one parcel (6762839), owned by the city of Akron. No new easements will be required for the Project.

4906-6-05 (B)(9): TECHNICAL FEATURES OF THE PROJECT

4906-6-05 (B)(9)(a): Operating Characteristics

The transmission line construction will have the following characteristics:

Voltage: 138 kV
ROW Width: 60 ft
Conductors: Current and Future - 605 kcmil 24/7 Strands ACSR
Static Wire: Current - 101.8 kcmil 12/7 ACSR (being transferred)
Future - 3#6 Alumoweld (new)
Insulators: Porcelain
Structure Type: **Exhibit 4:** 138kV Single Circuit Steel Dead-end Switch Structure
Vertical Single Pole With Shield Wire

4906-6-05 (B)(9)(b): Electric and Magnetic Fields

There are no occupied residences or institutions within 100 feet of the Project and therefore no Electric and Magnetic Field (“EMF”) calculations are required by this code provision.

4906-6-05 (B)(9)(c): Estimated Cost

The estimated cost for the proposed Project is \$1,101,000. Although not statutorily required for approval, at the request of OPSB Staff, the estimated cost is a Class 4 estimate and ATSI confirms that ATSI’s costs will be captured and allocated via FERC formula rates for the ATSI Transmission Zone, Attachment H-21 in the PJM OATT.

4906-6-05 (B)(10): SOCIAL AND ECOLOGICAL IMPACTS

4906-6-05 (B)(10)(a): Land Uses

The Project is located in the city of Akron, Summit County, Ohio. The land use within the vicinity of the proposed Project is open field/light industrial. This Project will take place in existing maintained right-of-way.

4906-6-05 (B)(10)(b): Agricultural Land

Agricultural land does not exist within the Project’s Area of Potential Effect (“APE”).

4906-6-05 (B)(10)(c): Archaeological or Cultural Resources

As part of the investigation for this Construction Notice, TRC Companies, Inc. (“TRC”) submitted a request to the Ohio Historic Preservation Office (SHPO) on behalf of ATSI to review and provide comments for the Project Study Area (Area of Potential Effects or APE) with a one (1)-mile search radius. On April 15, 2026, SHPO replied to the request and the response is attached as **Exhibit 5**. SHPO concurred that the Project, as proposed, will have no effect on historic properties and no further coordination is required for this Project unless the scope of work changes or archaeological remains are discovered during the course of Project completion.

The SHPO database also includes listings on the Ohio Historic Inventory (OHI), the Ohio Archaeological Inventory (OAI), previous cultural resource surveys, and the Ohio Genealogical Society (OGS) cemetery inventory. There are 92 above-ground historic resources mapped within one (1)-mi, the nearest of which is located 0.25-mi west of the proposed Project. In addition, there are two (2) recent OHI submitted above-ground historic resources recorded 0.62 and 0.67 mi northwest of the northern Project extent. There are three (3) OGS cemeteries mapped within one (1)-mi of the Project Study Area, the nearest of which is located 0.38-mi south of the southern extent of the Project Study Area.

The Project Study Area for the proposed East Akron-Evans 138kV Switch A-281 Replacement Project measures 2.84 acres in size. The Limits of Disturbance (LOD), which corresponds to the direct Area of Potential Effects (APE), will be completely within the Project Study Area and will predominantly include all areas in which construction activities associated with the proposed Project will take place. The APE will also include a viewshed that will be based on Light Detection and Ranging (LIDAR) data, vegetation, topography, and buildings, which will reduce the APE to areas with positive visibility of the Project infrastructure within 0.25-mile (mi) of the undertaking. While there are buildings in the vicinity of the Project Study Area that appear to be over 50 years of age,

Project activities are not likely to create new visual impacts, as the new structure will be of similar size and height to the existing one.

The proposed Project activities include pole replacements (Pole 6797 to Pole 9177), a switch replacement (A-281), and reconductor work on the existing East Akron-Evans 138kV line. Limited ground disturbance activities are anticipated with the replacement of several structures within the East Akron-Evans 138kV line. All work, including ground disturbance locations, will be within the existing, previously disturbed alignment. Proposed access roads will only include the use of timber matting to avoid surface disturbance. The laydown yard is situated within a former parking lot area for a commercial or industrial building that was razed between 2009 and 2010.

As part of this compliance documentation, TRC reviewed the data provided on the Ohio Historic Preservation Office (SHPO) Online Mapping System for the Project Study Area (or APE) with a one (1)-mi search radius. The SHPO online mapping system includes the locations of previously recorded historic properties that are listed in or eligible for listing in the National Register of Historic Places (NRHP), including districts, sites, building, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture. The file review revealed three (3) NRHP-listed above-ground historic resources and three (3) Ohio History Connection (OHC) Determinations of Eligibility (DOE) within one (1)-mi of the Project Study Area. Table 1 below contains a list of the NRHP and DOE resources and their attributes within one (1)-mi of the Project Study Area.

Table 1: NRHP Listed and Eligible Resources within One (1)-mi of the Project Study Area

Ref. No.	Resource Name	NRHP Status	Distance	Direction
94000238	Viall Lodge	Listed	0.85	Northwest
14000030	Goodyear Hall, Ohio Savings and Trust Company	Listed	0.71	Northwest

Ref. No.	Resource Name	NRHP Status	Distance	Direction
13000683	Goodyear Tire and Rubber Company Headquarters	Listed	0.76	Northwest
2022SUM55280	Goodyear Heights Neighborhood	Eligible, Criteria A and C	0.89	North-northeast
2010SUM12442	274 Bowmanville St	Eligible, Criteria A	0.74	North
2022SUM55280	Goodyear Heights Neighborhood	Eligible, Criteria A	0.95	North-Northeast

There have been five (5) archaeological surveys completed within one (1)-mi of the Project Study Area. One (1) archaeological site has been recorded 0.87-mi north-northwest of the Project Study Area. The historic-period site dates to the eighteenth, nineteenth, and twentieth centuries.

The Project Study Area consists of existing, maintained utility and roadway right-of-way (ROW) within industrial and commercial land use. Currently, as proposed, no new tree clearing is anticipated within or outside the Project Study Area. The proposed Project is not expected to have any adverse effects on known historic properties. To date, TRC has not conducted any on-site cultural resources surveys.

4906-6-05 (B)(10)(d): Construction Filings with Local, State, and Federal Governmental Agencies

Coordination with the City of Akron Engineering Bureau will be completed to obtain a ROW occupancy permit if necessary for temporary access from the city’s ROW.

Since the total earth disturbance is expected to be approximately 0.2 acres (less than the 1.0 acre limit), the following two items will not be necessary: (1) Notice of Intent (NOI) application to the Ohio EPA for coverage under the general construction stormwater

permit (OHC000006), and (2) the Storm Water Pollution Prevention Plan (SWPPP) submitted to the Summit County Surface Water Management District.

The Project scope is within a 100-year FEMA floodplain and crosses a Regulatory Floodway, therefore, will likely require a Floodplain Hazard Development Permit. Coordination with the Summit County Building Standards Department and/or the City of Akron Engineering Bureau will be completed if necessary. All permitting and/or coordination necessary to comply with local, state, and federal agencies with jurisdiction regarding this Project will be completed prior to the commencement of construction. A list of potential government agency requirements is provided in Table 2 below.

Table 2. List of Government Agency Requirements

Agency	Requirement
Ohio EPA	General NPDES Construction Storm Water Permit OHC000006
City of Akron Engineering Bureau	ROW Permits
Summit County Building Standards and/or City of Akron Engineering Bureau	Floodplain Hazard Development Permit
Summit County Surface Water Management District (SWMD)	SWPPP Review

4906-6-05 (B)(10)(e): Endangered, Threatened, Rare, and Designated Species Investigation

TRC submitted a request to the Ohio Department of Natural Resources (“ODNR”) Office of Real Estate to conduct an Environmental Review. As part of the Environmental Review, the ODNR Office of Real Estate searches the ODNR Division of Wildlife (DOW) Natural Heritage Database in order to research the presence of any endangered, threatened, or rare species within one (1) mile of the Project Study Area. The ODNR’s Office of Real Estate’s

response dated March 24, 2026, indicated the Project is within the range of eleven (11) state and/or federally listed animal species. A copy of ODNR’s Office of Real Estate’s response is included as **Exhibit 6**. A list of all endangered, threatened, and rare species, as identified by ODNR, within the range of the Project is provided in Table 3.

Table 3. List of Endangered and Threatened Species within Range of the Project Study Area

Common Name	Scientific Name	Federal Listed Status	State Listed Status	Affected Habitat
Mammals				
Indiana bat	<i>Myotis sodalis</i>	Endangered	Endangered	Trees, forests, caves, and caverns.
Little brown bat	<i>Myotis lucifugus</i>	N/A	Endangered	Trees, forests, caves, and caverns.
Northern long-eared bat	<i>Myotis septentrionalis</i>	Endangered	Endangered	Trees, forests, caves, and caverns.
Tricolored bat	<i>Perimyotis subflavus</i>	Proposed Endangered	Endangered	Trees, forests, caves, and caverns.
Fish				
Iowa darter	<i>Etheostoma exile</i>	N/A	Endangered	Perennial streams.
Pugnose minnow	<i>Opsopoeodus emiliae</i>	N/A	Endangered	Perennial streams.
Western banded killifish	<i>Fundulus diaphanus menona</i>	N/A	Endangered	Perennial streams.
Lake chubsucker	<i>Erimyzon sucetta</i>	N/A	Threatened	Perennial streams.
Paddlefish	<i>Polyodon spathula</i>	N/A	Threatened	Perennial streams.
Reptiles				
Smooth greensnake	<i>Opheodrys vernalis</i>	N/A	Endangered	Prairies, marshy meadows, and roadside ditches.
Spotted turtle	<i>Clemmys guttata</i>	N/A	Threatened	Fens, bogs, and marshes, wet prairies, meadows, pond edges, wet woods, and the shallow sluggish waters of small streams and ditches.

Based on the information received from correspondence with ODNR, the Project is within the ranges of the Indiana bat (*Myotis sodalis*), the little brown bat (*Myotis lucifugus*), the northern long-eared bat (*Myotis septentrionalis*), and the tricolored bat (*Perimyotis subflavus*). These bat species predominantly roost in trees behind loose, exfoliating bark, in crevices, and cavities, or in the leaves. These species are dependent on the forest structure surrounding the roost trees. The DOW recommended a desktop bat hibernaculum assessment be completed for the Project, which TRC completed for FirstEnergy and submitted to ODNR for concurrence on March 30, 2026. ODNR responded on April 1, 2026, attached as **Exhibit 6a**, concurring that no caves, cliffs, or mine openings occur in the Project Study Area. Additionally, because the Project does not involve blasting or impacting the bedrock, the Project is not likely to impact hibernating bats that may be present in the nearby underground mines. In assessing compliance with NWP General Condition 18, TRC determined that tree clearing is not anticipated within the Project Study Area. If minor tree clearing is needed as a result of this Project, it will take place within the U.S. Fish and Wildlife Service (USFWS) recommended tree clearing dates (October 1 – March 31); therefore, no impacts to bat species are anticipated as a result of the construction of this Project.

The Project is within the range of the Iowa darter (*Etheostoma exile*), a state endangered fish, the pugnose minnow (*Opsopoeodus emiliae*), a state endangered fish, the western banded killifish (*Fundulus diaphanus menona*), a state endangered fish, the lake chubsucker (*Erimyzon sucetta*), a state threatened fish, and the paddlefish (*Polyodon spathula*), a state threatened fish. The DOW recommends no in-water work in perennial streams from March 15 through June 30 to reduce impacts to indigenous aquatic species and their habitat. Since no in-water work is proposed in a perennial stream, this Project will not impact this or other aquatic species.

The Project is within the range of the smooth greensnake (*Opheodrys vernalis*), a state endangered species. This species is primarily a prairie inhabitant but can also be found in marshy meadows and roadside ditches. Due to the location, the type of habitat within the

Project Study Area, and the type of work proposed, this Project is not likely to impact this species.

The Project is within the range of the spotted turtle (*Clemmys guttata*), a state threatened species. This species prefers fens, bogs, and marshes, but also is known to inhabit wet prairies, meadows, pond edges, wet woods, and the shallow sluggish waters of small streams and ditches. Due to the location, the type of habitat within the Project Study Area, and the type of work proposed, this Project is not likely to impact this species.

In addition, TRC submitted a Technical Assistance request to the USFWS on February 25, 2026, to research the presence of any endangered, threatened, rare, or designated species within the Project Study Area. A copy of the USFWS' response, dated February 25, 2026, is included as **Exhibit 7**. Due to the Project, type, size, and location, the Service does not have any concerns regarding federally endangered, threatened, proposed species, or proposed or designated critical habitat.

4906-6-05 (B)(10)(f): Areas of Ecological Concern

TRC performed a field investigation to identify and delineate wetlands and waterbodies for the Project, as shown in **Exhibit 8**. One (1) palustrine emergent wetland (W-EVN-1) and one (1) perennial stream (S-EVN-1, Little Cuyahoga River) was identified and delineated within the Project Study Area.

The Project Study Area is 2.84 acres and consists of an existing, utility and roadway ROW, surrounded by commercial and industrial land use. TRC did not observe the presence of any of the ODNR or federally listed species during the field investigation due to the highly maintained nature of the utility and roadway ROW. Therefore, no impacts are anticipated to any of the listed species detailed in the ODNR correspondence.

The Limits of Disturbance (LOD) will be completely within the Project Study Area and will predominantly include using the existing utility ROW for the proposed construction. NWP 57 (effective March 15, 2026, valid through March 15, 2031), authorizes the construction of access roads for the construction and maintenance of electric utility lines

or telecommunication lines, including overhead lines and substations, in nontidal waters of the United States, provided the activity does not cause the loss of greater than 0.5-acre of waters of the United States.

Nationwide Permit Regional General Conditions were reviewed regarding this Project. This Project is located in the city of Akron, Summit County, Ohio, which is within the U.S. Army Corps of Engineers (USACE) Buffalo Regulatory District. The Project location is not listed in Table 1 to Regional General Condition 6(a) (Threatened and Endangered Species). It is anticipated that due to the nature of the Project, impacts to jurisdictional resources are not anticipated from the proposed Project activity. If NWP 57 conditions are met and not exceeded, there is no potential trigger for a Section 404 PCN to USACE. The Project as proposed complies with the terms and conditions of Ohio EPA 401 Water Quality Certification, including no impacts to Category 3 wetlands, no wetland impacts ≥ 0.10 -acre, and no permanent stream impacts ≥ 0.03 -acre. Therefore, no individual 401 Water Quality Certification or Directors Authorization will be required.

A review of the USGS Protected Areas Database (www.usgs.gov/programs/gap-analysis-project/science/protected-areas) revealed no conservation easements in the Project Study Area. The National Conservation Easement Database is no longer used; this is due to the National Conservation Easement Database no longer being actively updated and supported.

4906-6-05(B)(10)(g): Other Information

Construction and operation of the proposed Project will be in accordance with the requirements specified in the latest revision of the National Electrical Safety Code as adopted by the PUCO and will meet all applicable safety standards established by the Occupational Safety and Health Administration.

No other or unusual conditions are expected that will result in significant environmental, social, health or safety impacts.

4906-6-07: Documentation of Construction Notice Transmittal and Availability for Public Review

This Construction Notice application is being provided concurrently with its docketing with the Board to the following officials in Summit County and the city of Akron, Ohio. A copy will also be provided to the Goodyear Public Library for public review/reference.

Summit County

Erin Dickinson
Council President
175 S. Main Street, Suite #700
Akron, OH 44308
edickinson@summitoh.net

Brian Prunty
SWCD Administrator
1180 S. Main Street, Suite #230
Akron, OH 44301
bprunty@summitoh.net

Christine Wiedie Higham
Council Vice President/District 6
175 S. Main Street, Suite #700
Akron, OH 44308
chigham@summitoh.net

Dennis Tubbs
Assistant Director, Planning
Commission
175 S. Main Street, Suite #103
Akron, OH 44308
dtubbs@summitoh.net

B. Alan Brubaker
Summit County Engineer
538 East South Street
Akron, OH 44311
abrubaker@summitengineer.net

City of Akron

Shammas Malik
Mayor of Akron
166 S High Street, Suite #200
Akron, OH 44308
mayor@akronohio.gov

Jeff Fusco
Vice President, Akron City Council
166 S High Street, Room #301
Akron, OH 44308
atlarge1@akronohio.gov

Margo Sommerville
President, Akron City Council
166 S High Street, Room #301
Akron, OH 44308
ward3@akronohio.gov

Sharon Connor
Ward 10 Council Representative
166 S High Street, Room #301
Akron, OH 44308
Ward10@akronohio.gov

Kyle Julien
Planning Director
166 S High Street
Akron, OH 44308
kjulien@akron.gov

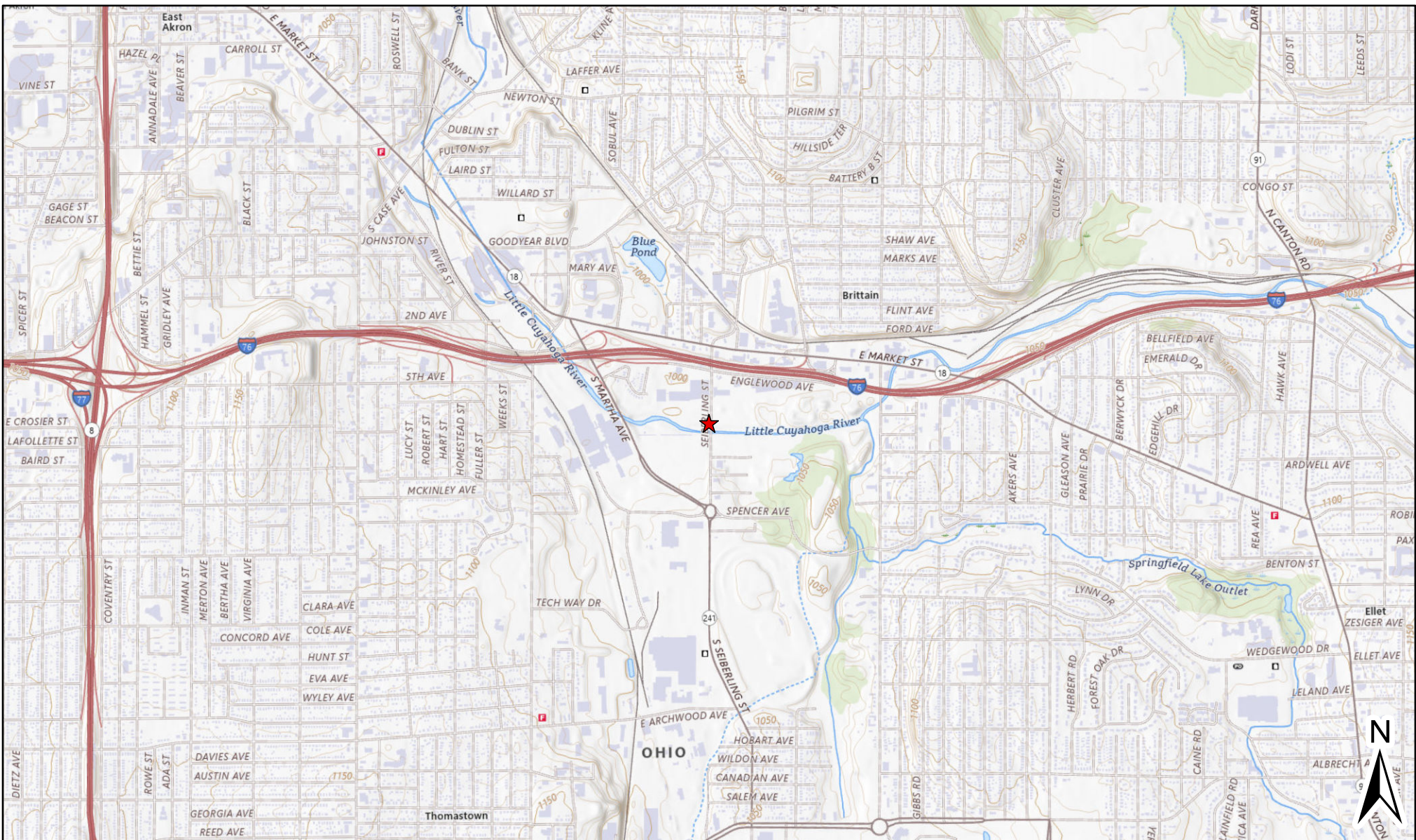
Travis L. Capper
City Engineer
166 S. High Street, Room #701
Akron, OH 44308
AkronEngineering@akronohio.gov

Library

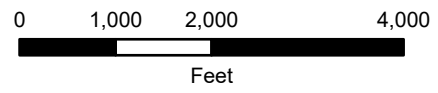
Keith Freund
Manager Goodyear Branch Library
60 Goodyear Boulevard
Akron, Ohio 44305
kfreund@akronlibrary.org

Copies of the transmittal letters to these officials have been included with this application as proof of compliance under Adm.Code 4906-6-07 (B) to provide the Board with proof of notice to local officials as required by Adm.Code 4906-6-07 (A)(1) and to the library per Adm.Code 4906-6-07 (A)(2).

Information is posted at www.firstenergycorp.com/about/transmission_project/ohio.html on how to request an electronic or paper copy of this Construction Notice application. The link to this website is being provided to meet the requirements of Adm.Code 4906-6-07 (B) and to provide the Board with proof of compliance with the notice requirements in Adm.Code 4906-6-07 (A)(3).



Legend
 ★ Project Location



Reference Scale: 1:24,000

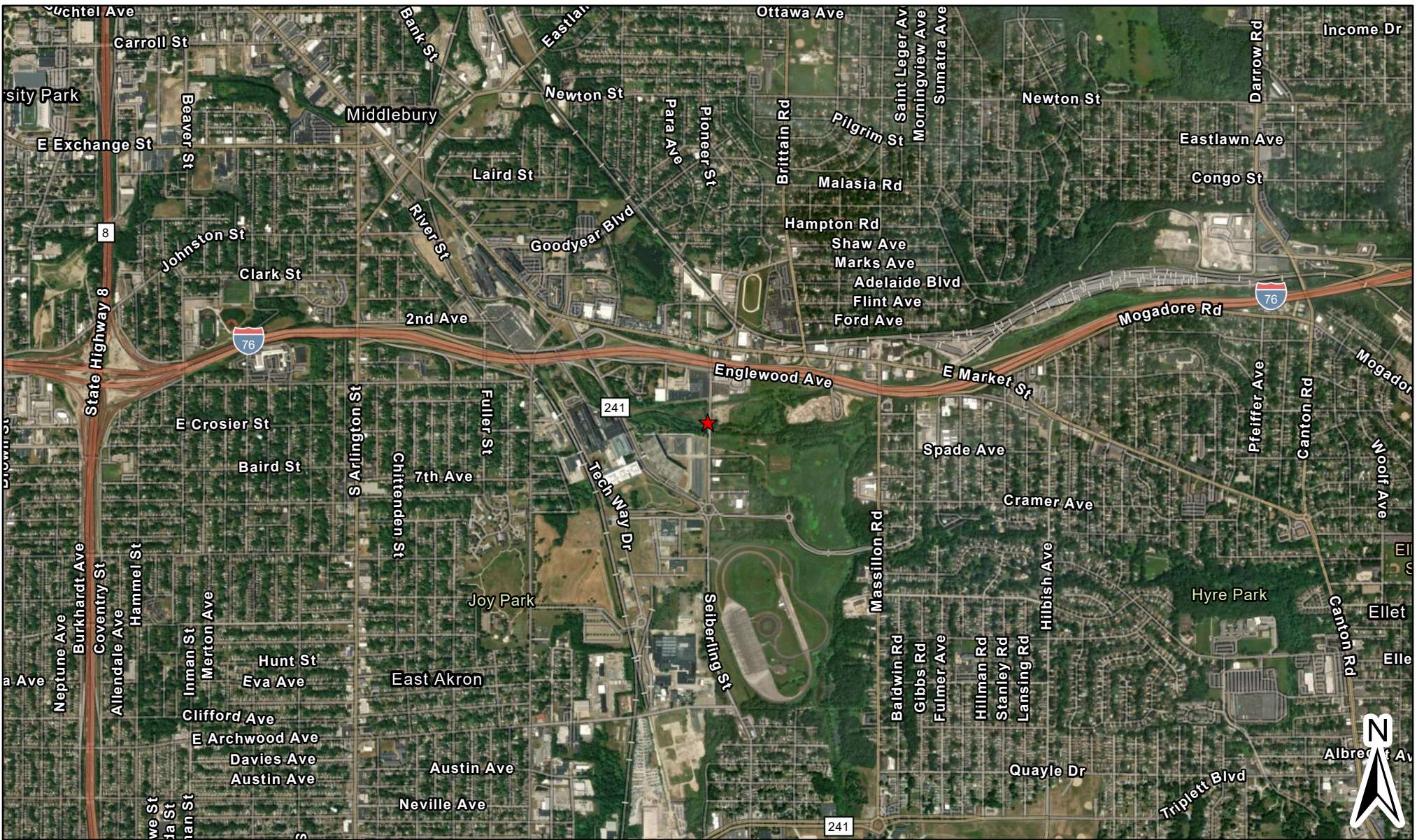
References:
 ESRI Aerial Imagery, USGS National Map, ODOT

Coordinate System:
 NAD 1983 2011 StatePlane Ohio North FIPS 3401 Ft US

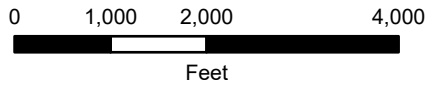
ATSI[®]
 American Transmission Systems, Inc.
 a subsidiary of FirstEnergy Corp.

EAST AKRON-EVANS 138KV
 TRANSMISSION LINE
 SWITCH REPLACEMENT
 PROJECT

EXHIBIT 1



Legend
 ★ Project Location



Reference Scale: 1:24,000

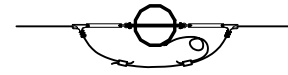
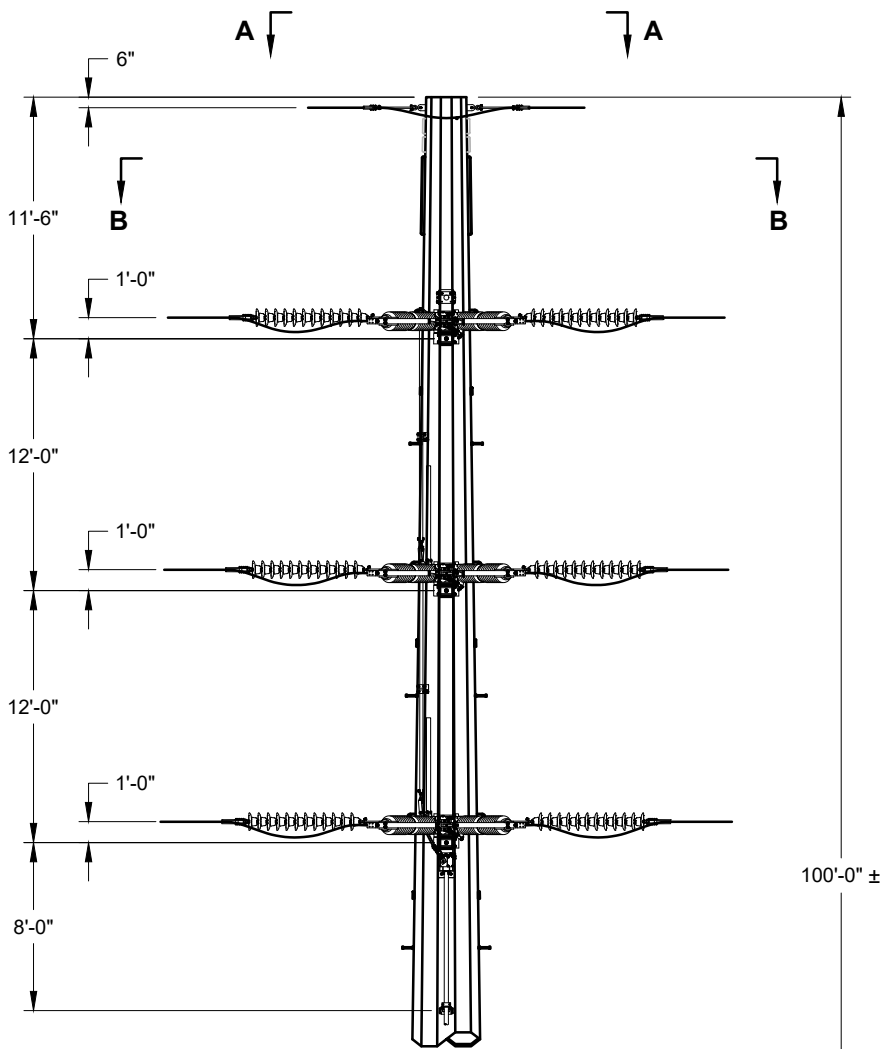
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 ESRI Aerial Imagery, USGS National Map, ODOT

Coordinate System:
 NAD 1983 2011 StatePlane Ohio North FIPS 3401 Ft US

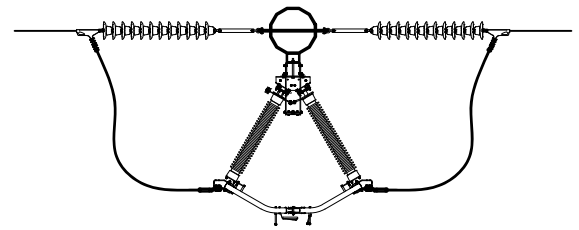
ATSI[®]
 American Transmission Systems, Inc.
 a subsidiary of FirstEnergy Corp.

EAST AKRON-EVANS 138KV
 TRANSMISSION LINE
 SWITCH REPLACEMENT
 PROJECT

EXHIBIT 2

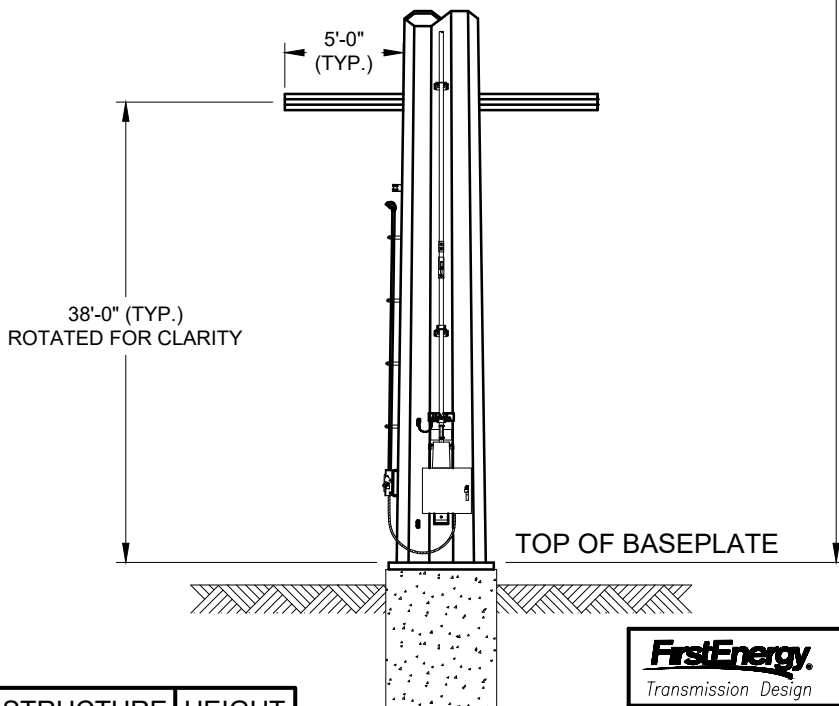


SECTION A-A



SECTION B-B

100'-0" ±



STRUCTURE	HEIGHT
9177	100'-0"

FirstEnergy.
Transmission Design

EAST AKRON – EVANS 138kV
SWITCH #A-281 REPLACEMENT

138kV SINGLE CIRCUIT STEEL DEADEND SWITCH STRUCTURE
VERTICAL SINGLE POLE WITH SHIELD WIRE

EXHIBIT 4

SCALE: NTS



In reply refer to:
2026-SUM-67935

April 15, 2026

Justin D. McKissick, MA, RPA
Senior Archaeologist/Project Manager
TRC Environmental Corporation
317 Carson Street, Suite 113
Pittsburg, PA 15219
Email: JMcKissick@trcompanies.com

RE: Section 106 Review: East Akron-Evans 138kV Switch A-281 Replacement Project, Summit County, Ohio

Dear Mr. McKissick:

This letter is in response to the correspondence received on March 24, 2026, concerning the above-referenced project in Summit County, Ohio. We appreciate the opportunity to comment on this project. The comments of the State Historic Preservation Office (SHPO) are made in accordance with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended, (54 U.S.C. 306108 [36 CFR 800]).

The proposed project will include pole replacements (Pole 6797 & 9177), a switch replacement (A-281), and reconductor work on the existing East Akron-Evans 138kV line; all work will be within the existing utility and roadway right-of-way (ROW). The direct Area of Potential Effect (APE) totals approximately 2.84 acres and includes the staging area. According to our records, no historic properties, districts, or previously recorded archaeological sites are documented within the proposed work areas.

Based on the information provided, a review of our database and records, and the scope of the project, it is the SHPO's opinion that, as proposed, the project will have no effect on historic properties. Therefore, no further coordination is required, unless the scope of work changes or archaeological resources are discovered during the course of the project. In such a situation, this office should be contracted as required by 36 CFR § 800.13. If you have any questions concerning this review, please contact me via email at broddy@ohiohistory.org. Thank you for your cooperation.

Sincerely,

A handwritten signature in blue ink that reads "Bridget C. Roddy".

Bridget C. Roddy, Project Reviews Manager-Archaeology
Resource Protection and Review
State Historic Preservation Office

RPR Serial No. 1113381



**Department of
Natural Resources**
ohiodnr.gov

EXHIBIT 6

Mike DeWine, Governor
Jim Tressel, Lt. Governor
Mary Mertz, Director

Office of Real Estate & Land Management

Tara Paciorek - Chief
2045 Morse Road – E-2
Columbus, Ohio 43229-6693

March 24, 2026

Jenna Slabe
TRC Companies, Inc.
1382 West 9th Street, Suite 400
Cleveland, Ohio 44113

Re: 26-0364_E Akron-Evans 138kV Switch A-281

Project: The proposed project involves pole replacements, switch replacements, and reconductor work on the East Akron-Evans 138kV line.

Location: The proposed project is located in Springfield Township, Summit County, Ohio.

Center Coordinates: (41.0599, -81.4715)

The Ohio Department of Natural Resources (ODNR) has completed a review of the above referenced project. These comments were generated by an inter-disciplinary review within the Department. These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the National Environmental Policy Act, the Coastal Zone Management Act, Ohio Revised Code and other applicable laws and regulations. These comments are also based on ODNR's experience as the state natural resource management agency and do not supersede or replace the regulatory authority of any local, state, or federal agency nor relieve the applicant of the obligation to comply with any local, state, or federal laws or regulations.

Natural Heritage Database: A review of the Ohio Natural Heritage Database indicates there are no records of state or federally listed plants or animals within one mile of the specified project area. Records searched date from 1980.

Please note that Ohio has not been completely surveyed and we rely on receiving information from many sources. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area.

Fish and Wildlife: The Division of Wildlife (DOW) has the following comments.

The DOW recommends that impacts to streams, wetlands and other water resources be avoided and minimized to the fullest extent possible, and that Best Management Practices be utilized to minimize erosion and sedimentation.

The entire state of Ohio is within the range of the Indiana bat (*Myotis sodalis*), a state endangered and federally endangered species, the northern long-eared bat (*Myotis septentrionalis*), a state endangered

and federally endangered species, the little brown bat (*Myotis lucifugus*), a state endangered species, and the tricolored bat (*Perimyotis subflavus*), a state endangered species. During the spring and summer (April 1 through September 30), these species of bats predominately roost in trees behind loose, exfoliating bark, in crevices and cavities, or in clusters of dead leaves on tree limbs. However, these species are also dependent on the forest structure surrounding roost trees. If trees are present within the project area, and trees must be cleared, the DOW recommends tree and/or tree limb clearing only occur from October 1 through March 31, conserving trees with loose, shaggy bark and/or crevices, holes, or cavities, as well as trees with a Diameter Breast Height (DBH) $\geq 20''$ if possible. If trees are present within the project area, and trees and/or tree limbs must be cleared during the summer months, the DOW recommends a mist net survey or acoustic survey be conducted from June 1 through August 15, prior to any clearing. Mist net and acoustic surveys should be conducted in accordance with the most recent version of the [OHIO DIVISION OF WILDLIFE AND U.S. FISH AND WILDLIFE SERVICE \(OH-FIELD OFFICE\) JOINT GUIDANCE FOR BAT SURVEYS](#). If state-listed bats are documented, DOW recommends tree clearing only occur from October 1 through March 31. However, limited summer tree clearing may be acceptable after consultation with the DOW (contact Eileen Wyza at Eileen.Wyza@dnr.ohio.gov).

For every project, the DOW also recommends that a winter bat habitat assessment is conducted to determine if potential hibernacula are present within the project area. This is to limit possible disturbances that seasonal tree clearing and/or subsurface work (e.g., trenching, blasting, etc.) may cause to hibernating bats. Potential hibernacula include rocky outcroppings, caves, and underground mines. Direction on how to conduct winter habitat assessments can be found in the joint guidance linked above. If a potential or known hibernaculum is found, the DOW recommends a 0.25-mile permanent tree clearing buffer around the hibernaculum entrance. Limited summer or winter tree clearing may be acceptable after consultation with the DOW. If a habitat assessment for projects involving subsurface disturbance finds that a potential hibernaculum is present within 5 miles of the project area, please consult with Eileen Wyza for project recommendations. If no tree clearing or subsurface impacts to a hibernaculum are proposed, this project is not likely to impact these species.

This project must not have an impact on native mussels. This applies to both listed and non-listed species, as all species of mussel are protected in Ohio. Per the Ohio Mussel Survey Protocol (2025), all Group 2, 3, and 4 streams (Appendix A) require a mussel survey. Per the Ohio Mussel Survey Protocol, Group 1 streams (Appendix A) and unlisted streams with a watershed of 5 square miles or larger above the point of impact should be assessed using the Reconnaissance Survey for Unionid Mussels (Appendix B) to determine if mussels are present. Mussel surveys may be recommended for these streams as well. Therefore, if in-water work is planned in any stream that meets any of the above criteria, the DOW recommends the applicant provide information to indicate no mussel impacts will occur. If this is not possible, the DOW recommends a professional malacologist conduct a mussel survey in the project area. If mussels that cannot be avoided are found in the project area, the DOW recommends a professional malacologist collect and relocate the mussels to suitable and similar habitat upstream of the project site. Mussel surveys and any subsequent mussel relocation should be done in accordance with the [Ohio Mussel Survey Protocol](#). If there is no in-water work proposed, impacts to mussels are not likely.

The project is within the range of the Iowa darter (*Etheostoma exile*), a state endangered fish, the pugnose minnow (*Opsopoeodus emiliae*), a state endangered fish, the western banded killifish (*Fundulus diaphanus menona*), a state endangered fish, the lake chubsucker (*Erimyzon sucetta*), a state threatened fish, and the paddlefish (*Polyodon spathula*) a state threatened fish. The DOW recommends no in-water work in perennial streams from March 15 to June 30 to reduce impacts to indigenous aquatic species

and their habitat. If no in-water work is proposed in a perennial stream, this project is not likely to impact these or other aquatic species.

The project is within the range of the smooth greensnake (*Opheodrys vernalis*), a state endangered species. This species is primarily a prairie inhabitant but can also be found in marshy meadows and roadside ditches. Due to the location, the type of habitat within the project area, and the type of work proposed, this project is not likely to impact this species.

The project is within the range of the spotted turtle (*Clemmys guttata*), a state threatened species. This species prefers fens, bogs and marshes, but also is known to inhabit wet prairies, meadows, pond edges, wet woods, and the shallow sluggish waters of small streams and ditches. Due to the location, the type of habitat within the project area, and the type of work proposed, this project is not likely to impact this species.

Due to the potential for impacts to federally listed species, as well as to state-listed species, we recommend that this project be coordinated with the US Fish & Wildlife Service.

Water Resources: The Division of Water Resources has not conducted a project specific review and/or comments, however, the guidance provided below should be reviewed by the Environmental Review applicant for applicability on this project and subsequent compliance.

If the subject project is in a floodplain regulated by the Federal Emergency Management Agency (FEMA), the [local floodplain administrator](#) should be contacted concerning the possible need for any floodplain permits or approvals. The FEMA National Flood Hazard Layer (NHFL) Viewer [website](#) can be utilized to see if the project is in a FEMA regulated floodplain. If the project is not in a FEMA regulated floodplain, then no further action is required.

Ohio Revised Code (ORC) Section 1521.16 mandates that any owner of a property or a facility that has the capacity of withdrawing 100,000 gallons per day (gpd) of water from groundwater, surface water, or both must register with the Division of Water Resources' [Water Withdrawal Facilities Registration \(WWFR\) Program](#) and report their withdrawals annually.

Additional coordination may be required depending on the location of the withdrawal and consumptive use. Permitting may be required for:

- New or increased consumptive use of water averaging 2 million gallons per day (mgd) within 30 days within the Ohio River basin.
- New or increased withdrawal and consumptive water use in the Lake Erie watershed averaging 1 million gallons per day (mgd) or more in 90 days.
- New or increased water withdrawal directly from Lake Erie averaging 2.5 million gallons per day (mgd) or more in 90 days.
- Diversion or movement of water across the Ohio River and Lake Erie basin divide.

If the project does not involve activities that are subject to water withdrawal regulatory requirements as described above, then no further action is required. For more information, visit the [Water Inventory & Planning website](#).

ODNR appreciates the opportunity to provide these comments. Please contact Mike Pettegrew (Environmental Services Administrator) at mike.pettegrew@dnr.ohio.gov if you have questions about these comments or need additional information.

Expiration: *ODNR Environmental Reviews are typically valid for 2 years from the issuance date. If the scope of work, project area, construction limits, and/or anticipated impacts to natural resources have changed significantly from the original project submittal, then a new Environmental Review request should be submitted.*

EXHIBIT 6a

From: Eileen.Wyza@dnr.ohio.gov
To: [Given, Emma](#)
Cc: [Falkinburg, Brad](#); [Molnar, Maggie](#)
Subject: RE: [EXTERNAL] 26-0364_TRC - East Akron-Evans - ODNR Comments
Date: Wednesday, April 1, 2026 11:44:47 AM
Attachments: [image002.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)
[image001.png](#)

This is an **External** email. Do not click links or open attachments unless you validate the sender and know the content is safe.

ALWAYS hover over the link to preview the actual URL/site and confirm its legitimacy.

Hello Emma,

Per review of the desktop survey provided for the East Akron-Evans 138kV Switch A-281 Replacement Project, the Ohio Division of Wildlife concurs with your assessment that no caves, cliffs, or mine openings occur in the project area. Additionally, because the project does not involve blasting or impacting the bedrock, the project is not likely to impact hibernating bats that may be present in the nearby underground mines.

Should any reported conditions change before or during construction, please contact me for additional guidance.

Thank you,

Eileen Wyza, Ph.D.

(she/her/hers)

Wildlife Biologist

Ohio Division of Wildlife

Phone: 614-265-6764

Email: Eileen.Wyza@dnr.ohio.gov

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This message is intended solely for the addressee(s). Should you receive this message by mistake, we would be grateful if you informed us that the message has been sent to you in error. In this case, we also ask that you delete this message and any attachments from your mailbox, and do not forward it or any part of it to anyone else. Thank you for your cooperation and understanding.

Please consider the environment before printing this email.

From: Given, Emma <EGiven@trccompanies.com>
Sent: Tuesday, March 31, 2026 8:32 AM
To: Wyza, Eileen <Eileen.Wyza@dnr.ohio.gov>
Cc: Falkinburg, Brad <BFalkinburg@trccompanies.com>; Molnar, Maggie <MMolnar@trccompanies.com>
Subject: RE: [EXTERNAL] 26-0364_TRC - East Akron-Evans - ODNR Comments

Hi Eileen,

In response to ODNR's DOW recommendations (attached), TRC completed a desktop habitat assessment to determine if potential hibernaculum is present within FirstEnergy's proposed East Akron-Evans 138kV Switch A-281 Replacement Project located in the City of Akron, Summit County, Ohio.

Please let us know if you have any questions on the provided desktop assessment.

Thank you,

Emma Given, Ph.D., PWS
Ecologist

1382 W 9th St, Suite 400, Cleveland, OH 44113
C 330.446.0265 | Egiven@trccompanies.com
[LinkedIn](#) | [Instagram](#) | TRCcompanies.com



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United States Department of the Interior



FISH AND WILDLIFE SERVICE
Ohio Ecological Services Field Office
4625 Morse Road, Suite 104
Columbus, OH 43230-8355
Phone: (614) 416-8993 Fax: (614) 416-8994

In Reply Refer To:

02/25/2026 13:30:22 UTC

Project code: 2026-0052008

Project Name: East Akron-Evans 138kV Switch A-281 Replacement Project

Subject: Technical Assistance letter for the project named 'East Akron-Evans 138kV Switch A-281 Replacement Project' for specified threatened and endangered species that may occur in your proposed project location consistent with the All Ohio Determination Key (DKey)

Thank you for using the assisted determination keys in IPaC. This letter is provided pursuant to the U.S. Fish and Wildlife Service's (Service's) authority under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq), as amended (ESA). On February 25, 2026, Talon Cline used the All Ohio Bat DKey; dated February 09, 2026, in the Service's online IPaC application to evaluate potential impacts to federally listed bat species, from a project named 'East Akron-Evans 138kV Switch A-281 Replacement Project'.

Due to the project, type, size, and location, the Service does not have any concerns regarding federally endangered, threatened, or proposed species or proposed or designated critical habitat. If there are any project modifications during the term of this action, or additional information for listed or proposed species or their critical habitat becomes available, or if new information reveals effects of the action that were not previously considered, please contact us for additional project review.

If you have questions, or if we can be of further assistance in this matter, please contact our office at (614) 416-8993 or ohio@fws.gov.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

East Akron-Evans 138kV Switch A-281 Replacement Project

2. Description

The following description was provided for the project 'East Akron-Evans 138kV Switch A-281 Replacement Project':

The proposed Project includes pole replacements (Pole 6797 to Pole 9177), switch replacement (A-281), and reconductor work on the East Akron-Evans 138kV line. Located in the city of Akron, Summit County, Ohio.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@41.059913550000005,-81.4714929105487,14z>



QUALIFICATION INTERVIEW

1. Does the project involve removal, modification, or maintenance of a human-made building-like structure (barn, house, or other building) known or suspected to contain roosting bats?
No
2. Does the project involve **building, maintaining or repairing** a communications tower?
No
3. Is this an Ohio Department of Transportation (ODOT) project with an assigned ODOT PID?
No
4. Does the project fall under the "FHWA, FRA, FTA Programmatic Consultation for Transportation Project affecting IBAT, NLEB, or TCB"?
No
5. Does the project involve the modification, replacement or removal of an existing bridge or culvert?
No
6. Does the project involve purposeful take of listed bats (including for scientific purposes, or to enhance the survival of a species)?
No
7. Will the project involve blasting?
No
8. Does the project involve the installation or operation of wind turbines and/or solar panels?
No
9. Does the project involve aerial or other large-scale application of any chemical (including insecticide, herbicide, biopesticide, etc.)?
No
10. Is this project part of a larger phased project?
No
11. Does the project involve prescribed fire?
No
12. Does the Project Area contain any known or potential hibernacula (natural caves, mines, rocky outcroppings, tunnels, or underground quarries)?
No
13. Does the project involve clearing or trimming trees ≥ 3 " dbh?
No

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Talon Cline
Address: 1382 W 9th St, Suite 400
City: Cleveland
State: OH
Zip: 44113
Email: tcline@trccompanies.com
Phone: 3302125915



1382 W Ninth St. Suite 400
Cleveland, OH 44113

t 216.344.3072
TRCcompanies.com

March 26, 2026

Ms. Adrianna Stolarski
FirstEnergy Corporation
341 White Pond Drive
Akron, OH 44320

Reference: Technical Memorandum for the Surface Water Delineation of the East Akron-Evans 138kV Switch A-281 Replacement Project located in the city of Akron, Summit County, Ohio.
(TRC Project No. 664676 Phase 16)

Dear Ms. Stolarski:

On behalf of FirstEnergy Corporation (FirstEnergy), TRC Environmental Corporation (TRC) conducted a surface water delineation for the East Akron-Evans 138kV Switch A-281 Replacement Project (Project). The Project is located in the city of Akron, in Summit County, Ohio and the Project Study Area is 2.84 acres in size (**Attachment A, Figures 1 and 2**). The Project Study Area is located at the following approximate coordinates: 41.060325, -81.471500 (northern terminus) and 41.055765, - 81.472277 (southern terminus). The proposed Project includes pole replacements (Pole 6797 to Pole 9177), switch replacement (A-281), and reconductor work on the East Akron-Evans 138kV line.

The delineation was conducted by qualified wetland scientists on March 10, 2026, in accordance with the United States Army Corps of Engineers (USACE) parameters. The objective was to evaluate and delineate potential surface water resources within the Project Study Area, such that the resources could be considered during each phase of the Project. Prior to the site visit, TRC reviewed available secondary source information such as the National Wetlands Inventory (NWI), National Hydrography Dataset (NHD), United States Geological Survey (USGS) topographic maps, County Soil Survey maps, and aerial imagery of the Project Study Area to use in addition to the field investigation.

The Project Study Area is shown on the attached map (**Attachment A, Figure 1**), which was derived from the USGS Akron East, Ohio 7.5-minute quadrangle topographic map. Soils mapped within the Project Study Area include non-hydric soil (**Attachment A, Figure 3**). The proposed Project Study Area includes one (1) mapped NWI riverine feature and one (1) mapped NHD feature, named the Little Cuyahoga River (**Attachment A, Figure 4**). According to Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map panel, 39153C0211F (eff. 4/19/2016), a portion of the proposed Project is located within a FEMA mapped 100-Year Flood Zone. During the field investigation, land use within the Project Study Area was observed to be an existing, utility and roadway right-of-way, surrounded by commercial and industrial land use. See attached mapping in **Attachment A** and the Photographic Record in **Attachment B** for further details of the Project Study Area.

During the field investigation, one (1) palustrine emergent wetland, W-EVN-1, and one (1) perennial stream, S-EVN-1 (Little Cuyahoga River), were identified and delineated within the Project Study Area and are shown on **Figure 5** in **Attachment A**. No other ecological resources were observed within the Project Study Area. See **Table 1** and **Table 2** on the following page for summaries of the observed resources. Wetland data was collected and recorded on the USACE Wetland Determination Data Sheets – Northcentral and Northeast Region and the Ohio Environmental Protection Agency's (Ohio EPA) Ohio Rapid Assessment Method (ORAM) data forms. Stream data was collected and recorded on the Ohio EPA Qualitative Habitat Evaluation Index (QHEI) data form. All wetland and stream data forms are provided in **Attachment C**.



Table 1. Delineated Wetland Summary Table

Wetland ID	Latitude, Longitude	Extends Outside Project Study Area (Y/N)?	Cowardin Classification Within the Project Study Area ¹	Water Regime Modifier ²	Connection ³	Apparent Downstream Connectivity ⁴	ORAM Score and Category ⁵	Delineated Area within Project Study Area ⁶ (acres)
W-EVN-1	41.059373, 81.472018	Y	PEM	Seasonally Flooded	Abutting	W-EVN-1→Little Cuyahoga River→ Cuyahoga River (TNW)	35 (Cat. 2)	0.005
TOTAL								0.005
<p>Note: See Delineated Resources Map and Photographic Record for more details. ¹Cowardin Wetland Classification (approximation based upon field identification and delineation) (Cowardin, Carter, Golet, & LaRoe, 1979): PEM – Palustrine Emergent ²National Wetland Inventory Wetlands and Deepwater Map Code Diagram – Modifiers for non-tidal waters (USFWS, 2019) ³Wetland connection is pending an update from EPA and USACE based on the USA vs. Sackett case. ⁴TNW=Traditional Navigable Waterway ⁵ORAM Category based on scoring breakpoints from Table 2 of the ORAM v. 5.0 Quantitative Score Calibration; scores falling within a “gray zone” or “modified” category were rounded up ⁶Area is rounded to nearest 0.001-acre, based upon GPS data.</p>								

Table 2. Delineated Stream Summary Table

Stream ID/Resource Name ¹	Latitude, Longitude	Resource / Downstream Flow Path ²	Flow Regime	Ohio EPA Use Designation ³	QHEI Score ⁴	Narrative Rating	Delineated Length (linear feet) and Area (acres) within the Project Study Area ⁵
S-EVN-1 (Little Cuyahoga River)	41.059283, -81.471970	S-EVN-1 (Little Cuyahoga River) → Cuyahoga River (TNW)	Perennial	WWH, AWS, IWS, PCR	59.5	Fair	60 feet (0.055 acres)
TOTAL							60 feet (0.055 acres)
<p>¹TRC resource identification ²TNW=Traditional Navigable Waterway ³Determined by Ohio EPA and listed in OAC §3745-1-26 Cuyahoga River drainage basin. WWH = Warmwater Habitat, AWS = Agricultural Water Supply, IWS = Industrial Water Supply, PCR = Primary Contact Recreation ⁴QHEI, for streams with drainage areas of greater than 1.0 square mile and a maximum pool depth of less than 40 centimeters. ⁵Delineated length is rounded to the nearest whole foot., based upon GPS data. Area is rounded to nearest 0.001-acre, based upon GPS data. Resources comprising <0.001-acre are tabulated within the total as 0.001-acre</p>							



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This Technical Memorandum represents the conditions within the Project Study Area identified herein, as of the inspection dates. Should you require any additional information or have any questions concerning this letter, please feel free to contact me at (440) 666-2890 or by email at BFalkinburg@TRCCompanies.com.

Kind Regards,

TRC

A handwritten signature in black ink that reads "Brad M. Falkinburg".

Brad M. Falkinburg, PWS
Ecological Office Practice Leader

cc: Maggie Molnar, PWS – TRC Environmental Corporation

Attachments

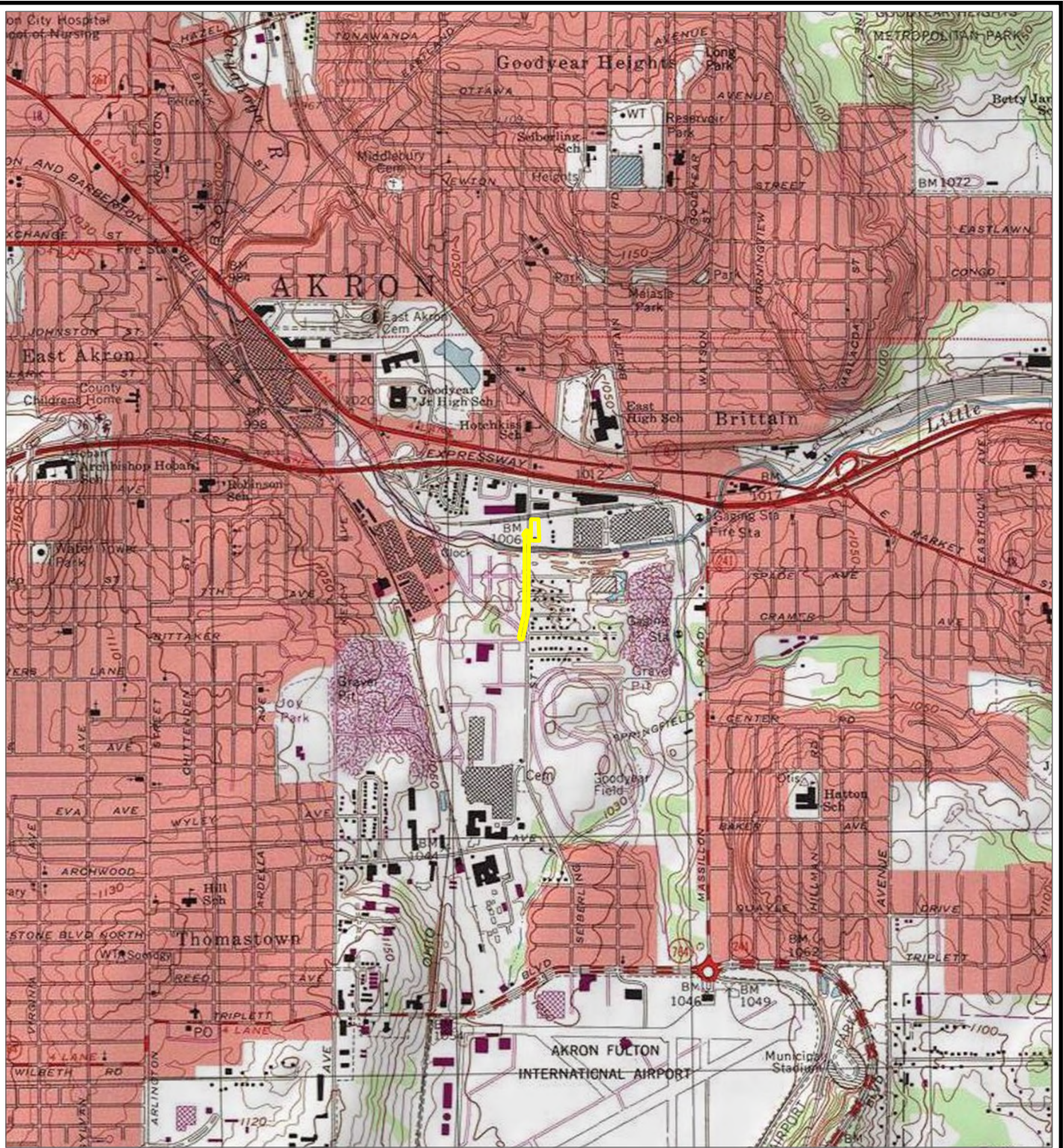
Attachment A: Figures

Attachment B: Photographic Record

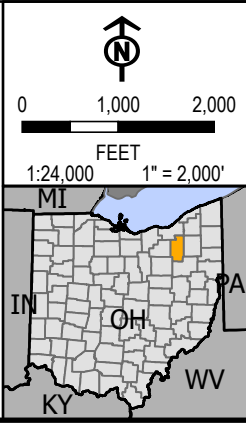
Attachment C: Data Sheets



ATTACHMENT A – Figures



 PROJECT STUDY AREA



PROJECT: **FIRSTENERGY - EAST AKRON-EVANS 138KV SWITCH A-281 REPLACEMENT PROJECT SUMMIT COUNTY, OH**

TITLE: **SITE LOCATION MAP**

DRAWN BY: M. OPEL	PROJ. NO.: 664676 P16
CHECKED BY: M. MOLNAR	FIGURE 1
APPROVED BY: B. FALKINBURG	
DATE: MARCH 2026	

BASE MAP: USA TOPO MAPS MAP SERVICE, AKRON EAST QUAD



1382 WEST NINTH STREET
SUITE 400
CLEVELAND, OH 44113
PHONE: 216-344-3072

FILE: WDR

COORDINATE SYSTEM: NAD 1983 STATEPLANE OHIO NORTH FIPS 3401 FEET; MAP ROTATION: 0
-- SAVED BY: MOPEL ON 3/10/2026, 14:12:01 PM; FILE PATH: T:\PROJECTS\FIRST_ENERGY\664676_016_EASTAKRONEVANS\2812-APRX\WDR.APRX; LAYOUT NAME: FIG01_SLM

Coordinate System: NAD 1983 StatePlane Ohio North FIPS 3401 Feet; Map Rotation: 0
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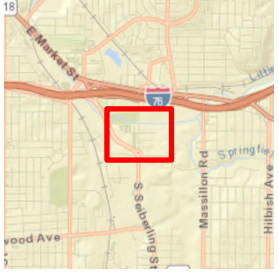
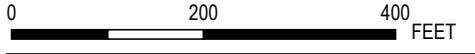


- PROJECT STUDY AREA
- EXISTING STRUCTURE

BASE MAP: GOOGLE MAPS.



1:2,400
 1" = 200'



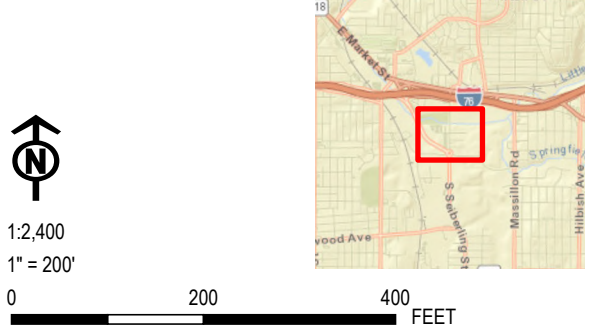
PROJECT: FIRSTENERGY - EAST AKRON-EVANS 138KV SWITCH A-281 REPLACEMENT PROJECT SUMMIT COUNTY, OH	
TITLE: AERIAL MAP	
DRAWN BY: M. OPEL	PROJ. NO.: 664676 P16
FIGURE 2	
CHECKED BY: M. MOLNAR APPROVED BY: B. FALKINBURG DATE: MARCH 2026	
 1382 WEST NINTH STREET SUITE 400 CLEVELAND, OH 44113 PHONE: 216-344-3072 	
FILE:	WDR.aprx

Coordinate System: NAD 1983 StatePlane Ohio North FIPS 3401 Feet; Map Rotation: 0
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- PROJECT STUDY AREA
- HYDRIC SOIL
- NON-HYDRIC W/ HYDRIC INCLUSIONS SOIL
- NON-HYDRIC SOIL

BASE MAP: GOOGLE MAPS.
 DATA SOURCES: SOILS DATA ACQUIRED FROM USDA/NRCS SSURGO DATABASE.

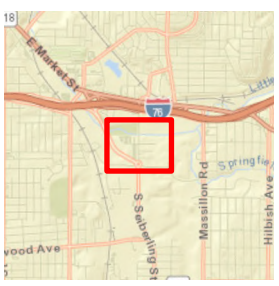


PROJECT: FIRSTENERGY - EAST AKRON-EVANS 138KV SWITCH A-281 REPLACEMENT PROJECT SUMMIT COUNTY, OH	
TITLE: SOILS MAP	
DRAWN BY: M. OPEL	PROJ. NO.: 664676 P16
FIGURE 3	
CHECKED BY: M. MOLNAR APPROVED BY: B. FALKINBURG DATE: MARCH 2026	
1382 WEST NINTH STREET SUITE 400 CLEVELAND, OH 44113 PHONE: 216-344-3072	
FILE:	WDR.aprx



- PROJECT STUDY AREA
- NATIONAL HYDROGRAPHY DATASET (NHD) STREAM
- NATIONAL WETLANDS INVENTORY (NWI) FEATURE
- 100-YEAR FLOOD ZONE

BASE MAP: GOOGLE MAPS.
 DATA SOURCES: WETLAND DATA ACQUIRED FROM U.S. FISH & WILDLIFE SERVICE, NATIONAL WETLANDS INVENTORY (NWI). STREAM DATA ACQUIRED FROM USGS, NATIONAL HYDROGRAPHY DATASET (NHD). FLOOD DATA ACQUIRED FROM FEMA, NATIONAL FLOOD HAZARD LAYER (NFHL).



1:2,400
 1" = 200'



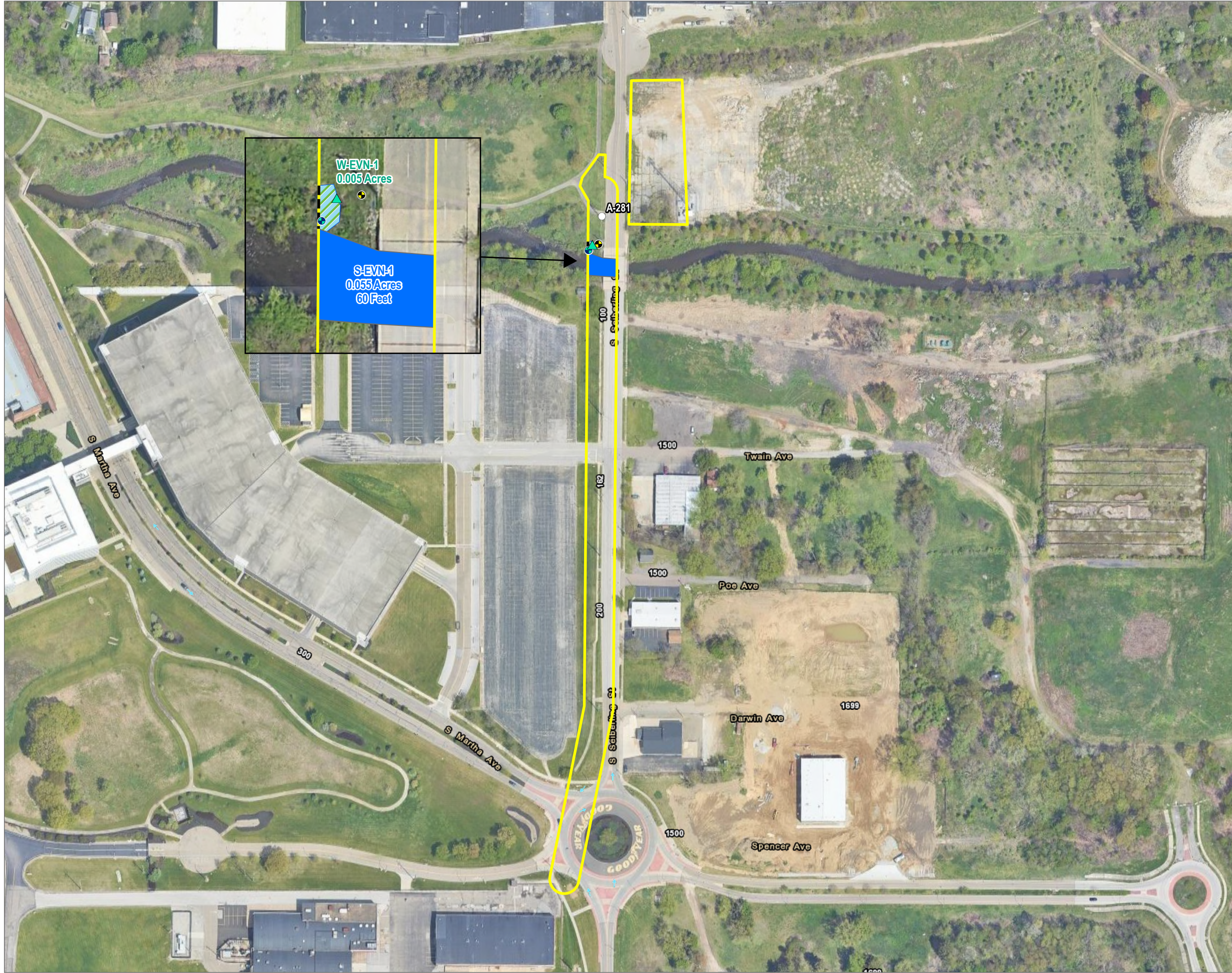
PROJECT: **FIRSTENERGY - EAST AKRON-EVANS 138KV SWITCH A-281 REPLACEMENT PROJECT**
 SUMMIT COUNTY, OH

TITLE: **NHD, NWI AND FEMA FLOODPLAIN MAP**

DRAWN BY:	M. OPEL	PROJ. NO.:	664676 P16
CHECKED BY:	M. MOLNAR	FIGURE 4	
APPROVED BY:	B. FALKINBURG		
DATE:	MARCH 2026		

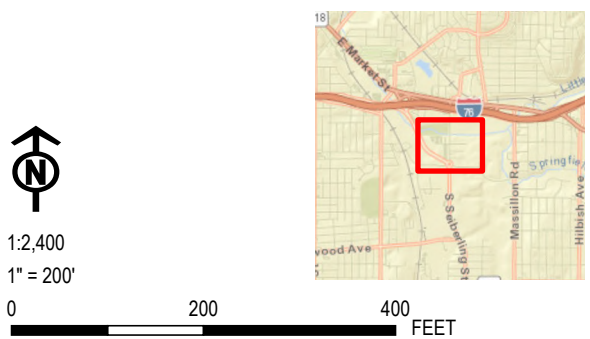
1382 WEST NINTH STREET
 SUITE 400
 CLEVELAND, OH 44113
 PHONE: 216-344-3072

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- PROJECT STUDY AREA
- EXISTING STRUCTURE
- ▲ CULVERT
- PERENNIAL STREAM
- PEM WETLAND
- WETLAND CONTINUES
- WETLAND DATA POINT
- UPLAND DATA POINT

BASE MAP: GOOGLE MAPS.
 DATA SOURCES: TRC WETLAND DELINEATION COMPLETED MARCH 10, 2026.



PROJECT: FIRSTENERGY - EAST AKRON-EVANS 138KV SWITCH A-281 REPLACEMENT PROJECT SUMMIT COUNTY, OH	
TITLE: DELINEATED RESOURCES MAP	
DRAWN BY: M. OPEL	PROJ. NO.: 664676 P16
CHECKED BY: M. MOLNAR	FIGURE 5
APPROVED BY: B. FALKINBURG	
DATE: MARCH 2026	
1382 WEST NINTH STREET SUITE 400 CLEVELAND, OH 44113 PHONE: 216-344-3072	
FILE:	WDR.aprx



ATTACHMENT B – Photographic Record

Client Name:
FirstEnergy

Site Location:
City of Akron, Summit County, Ohio

Project No.
664676 Phase 16

Photo No. 1.

Date:
3/10/2026

Description:

Photo of emergent wetland W-EVN-1, facing north.



Photo No. 2.

Date:
3/10/2026

Description:

Photo of emergent wetland W-EVN-1, facing east.



Client Name: FirstEnergy	Site Location: City of Akron, Summit County, Ohio	Project No. 664676 Phase 16
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Photo No. 3.

Date:
3/10/2026

Description:
Photo of emergent wetland W-EVN-1, facing south.



Photo No. 4.

Date:
3/10/2026

Description:
Photo of emergent wetland W-EVN-1, facing west.



Client Name:
FirstEnergy

Site Location:
City of Akron, Summit County, Ohio

Project No.
664676 Phase 16

Photo No. 5.

Date:
3/10/2026

Description:

Photo of perennial stream S-EVN-1 (Little Cuyahoga River) looking upstream, facing east.



Photo No. 6.

Date:
3/10/2026

Description:

Photo of perennial stream S-EVN-1 looking downstream, facing west.



Client Name:
FirstEnergy

Site Location:
City of Akron, Summit County, Ohio

Project No.
664676 Phase 16

Photo No. 7.

Date:
3/10/2026

Description:

Photo of stream S-EVN-1, view looking down at the observed substrate.



Photo No. 8.

Date:
3/10/2026

Description:

Representative photo of the northeastern extent of the Project Study Area, facing west.



Client Name:
FirstEnergy

Site Location:
City of Akron, Summit County, Ohio

Project No.
664676 Phase 16

Photo No. 9.

Date:
3/10/2026

Description:

Representative photo of the northeastern extent of Project Study Area, facing south.



Photo No. 10.

Date:
3/10/2026

Description:

Representative photo of the Project Study Area, facing north.



Client Name: FirstEnergy	Site Location: City of Akron, Summit County, Ohio	Project No. 664676 Phase 16
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Photo No. 11.

Date:
3/10/2026

Description:

Representative photo of the utility right-of-way of the Project Study Area, facing south.



Photo No. 12.

Date:
3/10/2026

Description:

Representative photo of the Project Study Area along Seiberling Street, facing north.



Client Name: FirstEnergy	Site Location: City of Akron, Summit County, Ohio	Project No. 664676 Phase 16
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Photo No. 13.
Date: 3/10/2026
Description: Representative photo of the southern extent of the Project Study Area, facing south.



Photo No. 14.
Date: 3/10/2026
Description: Representative photo of the southern extent of the Project Study Area, facing west.





ATTACHMENT C – Data Sheets



USACE Wetland Determination Data Sheets – Northcentral and Northeast Region

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
 See ERDC/EL TR-12-1; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
 Requirement Control Symbol EXEMPT:
 (Authority: AR 335-15, paragraph 5-2a)

Project/Site: East Akron-Evans Switch A-281 Replacement City/County: Akron, Summit County Sampling Date: 2026-3-10
 Applicant/Owner: FirstEnergy State: OH Sampling Point: W-EVN-01_PEM-1
 Investigator(s): Erin Van Nort, William Haas Section, Township, Range: NA
 Landform (hillslope, terrace, etc): Depression Local relief (concave, convex, none): None Slope (%): 0 to 1
 Subregion (LRR or MLRA): MLRA 139 of LRR R Lat: 41.059373 Long: -81.472018 Datum: WGS84
 Soil Map Unit Name: Urban land NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, optional Wetland Site ID: <u>W-EVN-01</u>

Remarks: (Explain alternative procedures here or in a separate report.)
 Covertypes is PEM. Based on the presence of all three parameters, this area is a wetland.

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input checked="" type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input checked="" type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input checked="" type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input checked="" type="checkbox"/> FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>6</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
 The criterion for wetland hydrology is met.

VEGETATION – Use scientific names of plants.

Sampling Point: W-EVN-01_PEM-1

	Absolute % Cover	Dominant Species?	Indicator Status																																				
Tree Stratum (Plot size: <u>30 ft radius</u>)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100%</u> (A/B)																																			
1.																																							
2.																																							
3.																																							
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6.																																							
7.																																							
	<u>0</u>	= Total Cover																																					
Sapling/Shrub Stratum (Plot size: <u>15 ft radius</u>)					Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:40%;"></th> <th style="width:10%;">Total % Cover of:</th> <th style="width:10%;"></th> <th style="width:10%;">Multiply by:</th> <th style="width:10%;"></th> </tr> </thead> <tbody> <tr> <td>OBL species</td> <td style="text-align: center;"><u>15</u></td> <td>x 1 =</td> <td style="text-align: center;"><u>15</u></td> <td></td> </tr> <tr> <td>FACW species</td> <td style="text-align: center;"><u>35</u></td> <td>x 2 =</td> <td style="text-align: center;"><u>70</u></td> <td></td> </tr> <tr> <td>FAC species</td> <td style="text-align: center;"><u>0</u></td> <td>x 3 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>FACU species</td> <td style="text-align: center;"><u>0</u></td> <td>x 4 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>UPL species</td> <td style="text-align: center;"><u>0</u></td> <td>x 5 =</td> <td style="text-align: center;"><u>0</u></td> <td></td> </tr> <tr> <td>Column Totals:</td> <td style="text-align: center;"><u>50</u></td> <td>(A)</td> <td style="text-align: center;"><u>85</u></td> <td>(B)</td> </tr> </tbody> </table> Prevalence Index = B/A = <u>1.7</u>		Total % Cover of:		Multiply by:		OBL species	<u>15</u>	x 1 =	<u>15</u>		FACW species	<u>35</u>	x 2 =	<u>70</u>		FAC species	<u>0</u>	x 3 =	<u>0</u>		FACU species	<u>0</u>	x 4 =	<u>0</u>		UPL species	<u>0</u>	x 5 =	<u>0</u>		Column Totals:	<u>50</u>	(A)	<u>85</u>
	Total % Cover of:		Multiply by:																																				
OBL species	<u>15</u>	x 1 =	<u>15</u>																																				
FACW species	<u>35</u>	x 2 =	<u>70</u>																																				
FAC species	<u>0</u>	x 3 =	<u>0</u>																																				
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Column Totals:	<u>50</u>	(A)	<u>85</u>	(B)																																			
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6.																																							
7.																																							
	<u>0</u>	= Total Cover																																					
Herb Stratum (Plot size: <u>5 ft radius</u>)				Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input checked="" type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																																			
1.	<u>Phalaris arundinacea</u>	<u>35</u>	Yes		FACW																																		
2.	<u>Myosotis scorpioides</u>	<u>15</u>	Yes		OBL																																		
3.																																							
4.																																							
5.																																							
6.																																							
7.																																							
8.																																							
9.																																							
10.																																							
11.																																							
12.																																							
	<u>50</u>	= Total Cover																																					
Woody Vine Stratum (Plot size: <u>30 ft radius</u>)				Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																																			
1.																																							
2.																																							
3.																																							
4.																																							
	<u>0</u>	= Total Cover																																					
				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																			

Remarks: (Include photo numbers here or on a separate sheet.)
 The criterion for hydrophytic vegetation is met.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
 See ERDC/EL TR-12-1; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027
 Requirement Control Symbol EXEMPT:
 (Authority: AR 335-15, paragraph 5-2a)

Project/Site: East Akron-Evans Switch A-281 Replacement City/County: Akron, Summit County Sampling Date: 2026-3-10
 Applicant/Owner: FirstEnergy State: OH Sampling Point: W-EVN-01_UPL-1
 Investigator(s): Erin Van Nort, William Haas Section, Township, Range: NA
 Landform (hillslope, terrace, etc): Flat Local relief (concave, convex, none): None Slope (%): 1 to 3
 Subregion (LRR or MLRA): MLRA 139 of LRR R Lat: 41.05942765 Long: -81.4719248667 Datum: WGS84
 Soil Map Unit Name: Urban land NWI Classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, optional Wetland Site ID: _____
---	---

Remarks: (Explain alternative procedures here or in a separate report.)
 Covertypes is UPL. Based on the absence of all three parameters, this area is an upland.

HYDROLOGY

Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	Secondary Indicators (minimum of two required) <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
--	---

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
 The criterion for wetland hydrology is not met.

VEGETATION – Use scientific names of plants.

Sampling Point: W-EVN-01_UPL-1

Tree Stratum (Plot size: 30 ft radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Dominance Test worksheet:
 Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
 Total Number of Dominant Species Across All Strata: 4 (B)
 Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

	<u>0</u>	= Total Cover
Sapling/Shrub Stratum (Plot size: 15 ft radius)		
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>0</u>	x 3 = <u>0</u>
FACU species <u>95</u>	x 4 = <u>380</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>95</u> (A)	<u>380</u> (B)

Prevalence Index = B/A = 4

	<u>0</u>	= Total Cover
Herb Stratum (Plot size: 5 ft radius)		
1. <i>Artemisia annua</i>	35	Yes FACU
2. <i>Glechoma hederacea</i>	20	Yes FACU
3. <i>Poa annua</i>	20	Yes FACU
4. <i>Vicia americana</i>	20	Yes FACU
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____
10. _____	_____	_____
11. _____	_____	_____
12. _____	_____	_____

Hydrophytic Vegetation Indicators:

 1 - Rapid Test for Hydrophytic Vegetation
 2 - Dominance Test is >50%
 3 - Prevalence Index is ≤3.0¹
 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

	<u>95</u>	= Total Cover
Woody Vine Stratum (Plot size: 30 ft radius)		
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No

Remarks: (Include photo numbers here or on a separate sheet.)
 The criterion for hydrophytic vegetation is not met.



Ohio EPA ORAM Data Form

Background Information

Name: Erin Van Nort, William Haas	
Date: 3/10/2026	
Affiliation: TRC Environmental Corporation	
Address: 1382 W 9th St, Suite 400 Cleveland, OH 44113	
Phone Number: (216) 347-3342	
e-mail address: evannort@trccompanies.com	
Name of Wetland: W-EVN-1	
Vegetation Communit(ies): PEM, PSS	
HGM Class(es): Depression	
Location of Wetland: include map, address, north arrow, landmarks, distances, roads, etc. Wetland W-EVN-1 is located west of Seiberling St and north of the Little Cuyahoga River in the city of Akron, Summit County, Ohio. See Technical Memorandum and Figure 5 Delineated Resources for more information.	
Lat/Long or UTM Coordinate	41.059373, -81.472018
USGS Quad Name	East Akron
County	Summit
Township	NA
Section and Subsection	NA
Hydrologic Unit Code	041100020304
Site Visit	3/10/2026
National Wetland Inventory Map	None
Ohio Wetland Inventory Map	N/A
Soil Survey	Ur
Delineation report/map	See Report

Name of Wetland: W-EVN-1		~Total acreage
Wetland Size (acres, hectares):		0.1 acre (~0.04 hectare)
<p>Sketch: Include north arrow, relationship with other surface waters, vegetation zones, etc.</p> <p>See Figure 5: Delineated Resources Map in Attachment A of the Technical Memorandum for further details.</p>		
<p>Comments, Narrative Discussion, Justification of Category Changes:</p> <p>Per the Ohio Environmental Protection Agency's Ohio Rapid Assessment Method for Wetlands Manual v. 5.0, the Category 2 includes wetlands of moderate quality, otherwise known as Modified Category 2. As the same avoidance, minimization, and mitigation standards apply to the entire category, wetlands that fall within the scoring range of Modified 2 such as Wetland W-EVN-1 are reported as Category 2.</p>		
Final score : 37		Category: 2

Scoring Boundary Worksheet

INSTRUCTIONS. The initial step in completing the ORAM is to identify the “scoring boundaries” of the wetland being rated. In many instances this determination will be relatively easy and the scoring boundaries will coincide with the “jurisdictional boundaries.” For example, the scoring boundary of an isolated cattail marsh located in the middle of a farm field will likely be the same as that wetland’s jurisdictional boundaries. In other instances, however, the scoring boundary will not be as easily determined. Wetlands that are small or isolated from other surface waters often form large contiguous areas or heterogeneous complexes of wetland and upland. In separating wetlands for scoring purposes, the hydrologic regime of the wetland is the main criterion that should be used. Boundaries between contiguous or connected wetlands should be established where the volume, flow, or velocity of water moving through the wetland changes significantly. *Areas with a high degree of hydrologic interaction should be scored as a single wetland.* In determining a wetland’s scoring boundaries, use the guidelines in the ORAM Manual Section 5.0. In certain instances, it may be difficult to establish the scoring boundary for the wetland being rated. These problem situations include wetlands that form a patchwork on the landscape, wetlands divided by artificial boundaries like property fences, roads, or railroad embankments, wetlands that are contiguous with streams, lakes, or rivers, and estuarine or coastal wetlands. These situations are discussed below, however, it is recommended that Rater contact Ohio EPA, Division of Surface Water, 401/Wetlands Section if there are additional questions or a need for further clarification of the appropriate scoring boundaries of a particular wetland.

#	Steps in properly establishing scoring boundaries	done?	not applicable
Step 1	Identify the wetland area of interest. This may be the site of a proposed impact, a reference site, conservation site, etc.	X	
Step 2	Identify the locations where there is physical evidence that hydrology changes rapidly. Such evidence includes both natural and human-induced changes including, constrictions caused by berms or dikes, points where the water velocity changes rapidly at rapids or falls, points where significant inflows occur at the confluence of rivers, or other factors that may restrict hydrologic interaction between the wetlands or parts of a single wetland.	X	
Step 3	Delineate the boundary of the wetland to be rated such that all areas of interest that are contiguous to and within the areas where the hydrology does not change significantly, i.e. areas that have a high degree of hydrologic interaction are included within the scoring boundary.	X	
Step 4	Determine if artificial boundaries, such as property lines, state lines, roads, railroad embankments, etc., are present. These should not be used to establish scoring boundaries unless they coincide with areas where the hydrologic regime changes.	X	
Step 5	In all instances, the Rater may enlarge the minimum scoring boundaries discussed here to score together wetlands that could be scored separately.		X
Step 6	Consult ORAM Manual Section 5.0 for how to establish scoring boundaries for wetlands that form a patchwork on the landscape, divided by artificial boundaries, contiguous to streams, lakes or rivers, or for dual classifications.	X	

End of Scoring Boundary Determination. Begin Narrative Rating on next page.

Narrative Rating

INSTRUCTIONS. Answer each of the following questions. Questions 1, 2, 3 and 4 should be answered based on information obtained from the site visit or the literature *and* by submitting a Data Services Request to the Ohio Department of Natural Resources, Division of Natural Areas and Preserves, Natural Heritage Data Services, 1889 Fountain Square Court, Building F-1, Columbus, Ohio 43224, 614-265-6453 (phone), 614-265-3096 (fax), <http://www.dnr.state.oh.us/dnap>. The remaining questions are designed to be answered primarily by the results of the site visit. Refer to the User's Manual for descriptions of these wetland types. Note: "Critical habitat" is legally defined in the Endangered Species Act and is the geographic area containing physical or biological features essential to the conservation of a listed species or as an area that may require special management considerations or protection. The Rater should contact the Region 3 Headquarters or the Columbus Ecological Services Office for updates as to whether critical habitat has been designated for other federally listed threatened or endangered species. "Documented" means the wetland is listed in the appropriate State of Ohio database.

#	Question	Circle one	
1	Critical Habitat. Is the wetland in a township, section, or subsection of a United States Geological Survey 7.5 minute Quadrangle that has been designated by the U.S. Fish and Wildlife Service as "critical habitat" for any threatened or endangered plant or animal species? Note: as of January 1, 2001, of the federally listed endangered or threatened species which can be found in Ohio, the Indiana Bat has had critical habitat designated (50 CFR 17.95(a)) and the piping plover has had critical habitat proposed (65 FR 41812 July 6, 2000).	YES Wetland should be evaluated for possible Category 3 status Go to Question 2	<input checked="" type="radio"/> NO Go to Question 2
2	Threatened or Endangered Species. Is the wetland known to contain an individual of, or documented occurrences of federal or state-listed threatened or endangered plant or animal species?	YES Wetland is a Category 3 wetland. Go to Question 3	<input checked="" type="radio"/> NO Go to Question 3
3	Documented High Quality Wetland. Is the wetland on record in Natural Heritage Database as a high quality wetland?	YES Wetland is a Category 3 wetland Go to Question 4	<input checked="" type="radio"/> NO Go to Question 4
4	Significant Breeding or Concentration Area. Does the wetland contain documented regionally significant breeding or nonbreeding waterfowl, neotropical songbird, or shorebird concentration areas?	YES Wetland is a Category 3 wetland Go to Question 5	<input checked="" type="radio"/> NO Go to Question 5
5	Category 1 Wetlands. Is the wetland less than 0.5 hectares (1 acre) in size and hydrologically isolated and either 1) comprised of vegetation that is dominated (greater than eighty per cent areal cover) by <i>Phalaris arundinacea</i> , <i>Lythrum salicaria</i> , or <i>Phragmites australis</i> , or 2) an acidic pond created or excavated on mined lands that has little or no vegetation?	YES Wetland is a Category 1 wetland Go to Question 6	<input checked="" type="radio"/> NO Go to Question 6
6	Bogs. Is the wetland a peat-accumulating wetland that 1) has no significant inflows or outflows, 2) supports acidophilic mosses, particularly <i>Sphagnum</i> spp., 3) the acidophilic mosses have >30% cover, 4) at least one species from Table 1 is present, and 5) the cover of invasive species (see Table 1) is <25%?	YES Wetland is a Category 3 wetland Go to Question 7	<input checked="" type="radio"/> NO Go to Question 7
7	Fens. Is the wetland a carbon accumulating (peat, muck) wetland that is saturated during most of the year, primarily by a discharge of free flowing, mineral rich, ground water with a circumneutral ph (5.5-9.0) and with one or more plant species listed in Table 1 and the cover of invasive species listed in Table 1 is <25%?	YES Wetland is a Category 3 wetland Go to Question 8a	<input checked="" type="radio"/> NO Go to Question 8a
8a	"Old Growth Forest." Is the wetland a forested wetland and is the forest characterized by, but not limited to, the following characteristics: overstory canopy trees of great age (exceeding at least 50% of a projected maximum attainable age for a species); little or no evidence of human-caused understory disturbance during the past 80 to 100 years; an all-aged structure and multilayered canopies; aggregations of canopy trees interspersed with canopy gaps; and significant numbers of standing dead snags and downed logs?	YES Wetland is a Category 3 wetland. Go to Question 8b	<input checked="" type="radio"/> NO Go to Question 8b

8b	Mature forested wetlands. Is the wetland a forested wetland with 50% or more of the cover of upper forest canopy consisting of deciduous trees with large diameters at breast height (dbh), generally diameters greater than 45cm (17.7in) dbh?	YES Wetland should be evaluated for possible Category 3 status. Go to Question 9a	NO Go to Question 9a
9a	Lake Erie coastal and tributary wetlands. Is the wetland located at an elevation less than 575 feet on the USGS map, adjacent to this elevation, or along a tributary to Lake Erie that is accessible to fish?	YES Go to Question 9b	NO Go to Question 10
9b	Does the wetland's hydrology result from measures designed to prevent erosion and the loss of aquatic plants, i.e. the wetland is partially hydrologically restricted from Lake Erie due to lakeward or landward dikes or other hydrological controls?	YES Wetland should be evaluated for possible Category 3 status Go to Question 10	NO Go to Question 9c
9c	Are Lake Erie water levels the wetland's primary hydrological influence, i.e. the wetland is hydrologically unrestricted (no lakeward or upland border alterations), or the wetland can be characterized as an "estuarine" wetland with lake and river influenced hydrology. These include sandbar deposition wetlands, estuarine wetlands, river mouth wetlands, or those dominated by submersed aquatic vegetation.	YES Go to Question 9d	NO Go to Question 10
9d	Does the wetland have a predominance of native species within its vegetation communities, although non-native or disturbance tolerant native species can also be present?	YES Wetland is a Category 3 wetland Go to Question 10	NO Go to Question 9e
9e	Does the wetland have a predominance of non-native or disturbance tolerant native plant species within its vegetation communities?	YES Wetland should be evaluated for possible Category 3 status Go to Question 10	NO Go to Question 10
10	Lake Plain Sand Prairies (Oak Openings) Is the wetland located in Lucas, Fulton, Henry, or Wood Counties and can the wetland be characterized by the following description: the wetland has a sandy substrate with interspersed organic matter, a water table often within several inches of the surface, and often with a dominance of the gramineous vegetation listed in Table 1 (woody species may also be present). The Ohio Department of Natural Resources Division of Natural Areas and Preserves can provide assistance in confirming this type of wetland and its quality.	YES Wetland is a Category 3 wetland. Go to Question 11	NO Go to Question 11
11	Relict Wet Prairies. Is the wetland a relict wet prairie community dominated by some or all of the species in Table 1. Extensive prairies were formerly located in the Darby Plains (Madison and Union Counties), Sandusky Plains (Wyandot, Crawford, and Marion Counties), northwest Ohio (e.g. Erie, Huron, Lucas, Wood Counties), and portions of western Ohio Counties (e.g. Darke, Mercer, Miami, Montgomery, Van Wert etc.).	YES Wetland should be evaluated for possible Category 3 status Complete Quantitative Rating	NO Complete Quantitative Rating

Table 1. Characteristic plant species.

invasive/exotic spp	fen species	bog species	Oak Opening species	wet prairie species
<i>Lythrum salicaria</i>	<i>Zygadenus elegans</i> var. <i>glaucus</i>	<i>Calla palustris</i>	<i>Carex cryptolepis</i>	<i>Calamagrostis canadensis</i>
<i>Myriophyllum spicatum</i>	<i>Cacalia plantaginea</i>	<i>Carex atlantica</i> var. <i>capillacea</i>	<i>Carex lasiocarpa</i>	<i>Calamagrostis stricta</i>
<i>Najas minor</i>	<i>Carex flava</i>	<i>Carex echinata</i>	<i>Carex stricta</i>	<i>Carex atherodes</i>
<i>Phalaris arundinacea</i>	<i>Carex sterilis</i>	<i>Carex oligosperma</i>	<i>Cladium mariscoides</i>	<i>Carex buxbaumii</i>
<i>Phragmites australis</i>	<i>Carex stricta</i>	<i>Carex trisperma</i>	<i>Calamagrostis stricta</i>	<i>Carex pellita</i>
<i>Potamogeton crispus</i>	<i>Deschampsia caespitosa</i>	<i>Chamaedaphne calyculata</i>	<i>Calamagrostis canadensis</i>	<i>Carex sartwellii</i>
<i>Ranunculus ficaria</i>	<i>Eleocharis rostellata</i>	<i>Decodon verticillatus</i>	<i>Quercus palustris</i>	<i>Gentiana andrewsii</i>
<i>Rhamnus frangula</i>	<i>Eriophorum viridicarinatum</i>	<i>Eriophorum virginicum</i>		<i>Helianthus grosseserratus</i>
<i>Typha angustifolia</i>	<i>Gentianopsis</i> spp.	<i>Larix laricina</i>		<i>Liatris spicata</i>
<i>Typha xglauca</i>	<i>Lobelia kalmii</i>	<i>Nemopanthus mucronatus</i>		<i>Lysimachia quadriflora</i>
	<i>Parnassia glauca</i>	<i>Scheuchzeria palustris</i>		<i>Lythrum alatum</i>
	<i>Potentilla fruticosa</i>	<i>Sphagnum</i> spp.		<i>Pycnanthemum virginianum</i>
	<i>Rhamnus alnifolia</i>	<i>Vaccinium macrocarpon</i>		<i>Silphium terebinthinaceum</i>
	<i>Rhynchospora capillacea</i>	<i>Vaccinium corymbosum</i>		<i>Sorghastrum nutans</i>
	<i>Salix candida</i>	<i>Vaccinium oxycoccos</i>		<i>Spartina pectinata</i>
	<i>Salix myricoides</i>	<i>Woodwardia virginica</i>		<i>Solidago riddellii</i>
	<i>Salix serissima</i>	<i>Xyris difformis</i>		
	<i>Solidago ohioensis</i>			
	<i>Tofieldia glutinosa</i>			
	<i>Triglochin maritimum</i>			
	<i>Triglochin palustre</i>			

End of Narrative Rating. Begin Quantitative Rating on next page.

Site: FirstEnergy , East Akron-Evans Switch A-281 Replacement Rater(s): Erin Van Nort, William Haas Date: 2026-03-10

1 1
max 6 pts. subtotal

Metric 1. Wetland Area (size).

Select one size class and assign score.

- >50 acres (>20.2ha) (6 pts)
- 25 to <50 acres (10.1 to <20.2ha) (5 pts)
- 10 to <25 acres (4 to <10.1ha) (4 pts)
- 3 to <10 acres (1.2 to <4ha) (3 pts)
- 0.3 to <3 acres (0.12 to <1.2ha) (2pts)
- 0.1 to <0.3 acres (0.04 to <0.12ha) (1 pt)
- <0.1 acres (0.04ha) (0 pts)

6 7
max 14 pts. subtotal

Metric 2. Upland buffers and surrounding land use.

2a. Calculate average buffer width. Select only one and assign score. Do not double check.

- WIDE. Buffers average 50m (164ft) or more around wetland perimeter (7)
- MEDIUM. Buffers average 25m to <50m (82 to <164ft) around wetland perimeter (4)
- NARROW. Buffers average 10m to <25m (32ft to <82ft) around wetland perimeter (1)
- VERY NARROW. Buffers average <10m (<32ft) around wetland perimeter (0)

2b. Intensity of surrounding land use. Select one or double check and average.

- VERY LOW. 2nd growth or older forest, prairie, savannah, wildlife area, etc. (7)
- LOW. Old field (>10 years), shrub land, young second growth forest. (5)
- MODERATELY HIGH. Residential, fenced pasture, park, conservation tillage, new fallow field. (3)
- HIGH. Urban, industrial, open pasture, row cropping, mining, construction. (1)

16 23
max 30 pts. subtotal

Metric 3. Hydrology.

3a. Sources of Water. Score all that apply.

- High pH groundwater (5)
- Other groundwater (3)
- Precipitation (1)
- Seasonal/Intermittent surface water (3)
- Perennial surface water (lake or stream) (5)

3b. Connectivity. Score all that apply.

- 100 year floodplain (1)
- Between stream/lake and other human use (1)
- Part of wetland/upland (e.g. forest), complex (1)
- Part of riparian or upland corridor (1)

3c. Maximum water depth. Select only one and assign score.

- >0.7 m (>27.6 in) (3)
- 0.4 to 0.7 m (15.7 to 27.6 in) (2)
- <0.4 m (<15.7 in) (1)

3d. Duration inundation/saturation. Score one or dbl check.

- Semi- to permanently inundated/saturated (4)
- Regularly inundated/saturated (3)
- Seasonally inundated (2)
- Seasonally saturated in upper 30cm (12in) (1)

3e. Modifications to natural hydrologic regime. Score one or double check and average.

- None or none apparent (12)
- Recovered (7)
- Recovering (3)
- Recent or no recovery (1)

Check all disturbances observed	
<input type="checkbox"/> ditch	<input type="checkbox"/> point source (nonstormwater)
<input type="checkbox"/> tile	<input checked="" type="checkbox"/> filling/grading
<input type="checkbox"/> dike	<input type="checkbox"/> road bed/RR track
<input type="checkbox"/> weir	<input type="checkbox"/> dredging
<input checked="" type="checkbox"/> stormwater input	<input type="checkbox"/> other

13 36
max 20 pts. subtotal

Metric 4. Habitat Alteration and Development.

4a. Substrate disturbance. Score one or double check and average.

- None or none apparent (4)
- Recovered (3)
- Recovering (2)
- Recent or no recovery (1)

4b. Habitat development. Select only one and assign score.

- Excellent (7)
- Very good (6)
- Good (5)
- Moderately good (4)
- Fair (3)
- Poor to fair (2)
- Poor (1)

4c. Habitat alteration. Score one or double check and average.

- None or none apparent (9)
- Recovered (6)
- Recovering (3)
- Recent or no recovery (1)

Check all disturbances observed	
<input type="checkbox"/> mowing	<input type="checkbox"/> shrub/sapling removal
<input type="checkbox"/> grazing	<input type="checkbox"/> herbaceous/aquatic bed removal
<input type="checkbox"/> clearcutting	<input checked="" type="checkbox"/> sedimentation
<input checked="" type="checkbox"/> selective cutting	<input type="checkbox"/> dredging
<input type="checkbox"/> woody debris removal	<input type="checkbox"/> farming
<input type="checkbox"/> toxic pollutants	<input type="checkbox"/> nutrient enrichment

36
subtotal this page

Site: FirstEnergy , East Akron-Evans Switch A-281 Replacement Rater(s): Erin Van Nort, William Haas Date: 2026-03-10

36
subtotal first page

0 36
max 10 pts. subtotal

Metric 5. Special Wetlands.

Check all that apply and score as indicated.

- Bog (10)
- Fen (10)
- Old growth forest (10)
- Mature forested wetland (5)
- Lake Erie coastal/tributary wetland-unrestricted hydrology (10)
- Lake Erie coastal/tributary wetland-restricted hydrology (5)
- Lake Plain Sand Prairies (Oak Openings) (10)
- Relict Wet Prairies (10)
- Known occurrence state/federal threatened or endangered species (10)
- Significant migratory songbird/water fowl habitat or usage (10)
- Category 1 Wetland. See Question 1 Qualitative Rating (-10)

-1 35
max 20 pts. subtotal

Metric 6. Plant communities, interspersions, microtopography.

6a. Wetland Vegetation Communities.

Score all present using 0 to 3 scale.

- Aquatic Bed
- 1 Emergent
- 0 Shrub
- Forest
- Mudflats
- Open water
- Other _____

6b. horizontal (plan view) Interspersion.

Select only one.

- High (5)
- Moderately high (4)
- Moderate (3)
- Moderately low (2)
- Low (1)
- None (0)

6c. Coverage of invasive plants. Refer to Table 1 ORAM long form for list. Add or deduct points for coverage

- Extensive >75% cover (-5)
- Moderate 25-75% cover (-3)
- Sparse 5-25% cover (-1)
- Nearly absent <5% cover (0)
- Absent (1)

6d. Microtopography.

Score all present using 0 to 3 scale.

- 0 Vegetated hummocks/tussucks
- 0 Coarse woody debris >15cm (6in)
- 0 Standing dead >25cm (10in) dbh
- 0 Amphibian breeding pools

Vegetation Community Cover Scale

0	Absent or comprises <0.1ha (0.2471 acres) contiguous area
1	Present and either comprises small part of wetland's vegetation and is of moderate quality, or comprises a significant part but is of low quality
2	Present and either comprises significant part of wetland's vegetation and is of moderate quality or comprises a small part and is of high quality
3	Present and comprises significant part, or more, of wetland's vegetation and is of high quality

Narrative Description of Vegetation Quality

low	Low spp diversity and/or predominance of nonnative or disturbance tolerant native species
mod	Native spp are dominant component of the vegetation, although nonnative and/or disturbance tolerant native spp can also be present, and species diversity moderate to moderately high, but generally w/o presence of rare threatened or endangered spp
high	A predominance of native species, with nonnative spp and/or disturbance tolerant native spp absent or virtually absent, and high spp diversity and often, but not always, the presence of rare, threatened, or endangered spp

Mudflat and Open Water Class Quality

0	Absent <0.1ha (0.247 acres)
1	Low 0.1 to <1ha (0.247 to 2.47 acres)
2	Moderate 1 to <4ha (2.47 to 9.88 acres)
3	High 4ha (9.88 acres) or more

Microtopography Cover Scale

0	Absent
1	Present very small amounts or if more common of marginal quality
2	Present in moderate amounts, but not of highest quality or in small amounts of highest quality
3	Present in moderate or greater amounts and of highest quality

Invasive Species Present:
reed canary grass

35

CATEGORY 2

End of Quantitative Rating. Complete Categorization Worksheets.

ORAM Summary Worksheet

		circle answer or insert score	Result
Narrative Rating	Question 1. Critical Habitat	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, Category 3.
	Question 2. Threatened or Endangered Species	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, Category 3.
	Question 3. High Quality Natural Wetland	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, Category 3.
	Question 4. Significant bird habitat	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, Category 3.
	Question 5. Category 1 Wetlands	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, Category 1.
	Question 6. Bogs	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, Category 3.
	Question 7. Fens	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, Category 3.
	Question 8a. Old Growth Forest	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, Category 3.
	Question 8b. Mature Forested Wetland	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, evaluate for Category 3; may also be 1 or 2.
	Question 9b. Lake Erie Wetlands - Restricted	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, evaluate for Category 3; may also be 1 or 2.
	Question 9d. Lake Erie Wetlands – Unrestricted with native plants	YES <input type="radio"/> NO <input type="radio"/>	If yes, Category 3
	Question 9e. Lake Erie Wetlands - Unrestricted with invasive plants	YES <input type="radio"/> NO <input type="radio"/>	If yes, evaluate for Category 3; may also be 1 or 2.
	Question 10. Oak Openings	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, Category 3
Question 11. Relict Wet Prairies	YES <input type="radio"/> NO <input checked="" type="radio"/>	If yes, evaluate for Category 3; may also be 1 or 2.	
Quantitative Rating	Metric 1. Size	1	
	Metric 2. Buffers and surrounding land use	6	
	Metric 3. Hydrology	16	
	Metric 4. Habitat	13	
	Metric 5. Special Wetland Communities	0	
	Metric 6. Plant communities, interspersed, microtopography	-1	
	TOTAL SCORE	35	Category based on score breakpoints 2

Complete Wetland Categorization Worksheet.

Wetland Categorization Worksheet

Choices	Circle one		Evaluation of Categorization Result of ORAM
Did you answer "Yes" to any of the following questions: Narrative Rating Nos. 2, 3, 4, 6, 7, 8a, 9d, 10	YES Wetland is categorized as a Category 3 wetland	<input checked="" type="radio"/> NO	Is quantitative rating score <i>less</i> than the Category 2 scoring threshold (<i>excluding</i> gray zone)? If yes, reevaluate the category of the wetland using the narrative criteria in OAC Rule 3745-1-54(C) and biological and/or functional assessments to determine if the wetland has been over-categorized by the ORAM
Did you answer "Yes" to any of the following questions: Narrative Rating Nos. 1, 8b, 9b, 9e, 11	YES Wetland should be evaluated for possible Category 3 status	<input checked="" type="radio"/> NO	Evaluate the wetland using the 1) narrative criteria in OAC Rule 3745-1-54(C) and 2) the quantitative rating score. If the wetland is determined to be a Category 3 wetland using either of these, it should be categorized as a Category 3 wetland. Detailed biological and/or functional assessments may also be used to determine the wetland's category.
Did you answer "Yes" to Narrative Rating No. 5	YES Wetland is categorized as a Category 1 wetland	<input checked="" type="radio"/> NO	Is quantitative rating score <i>greater</i> than the Category 2 scoring threshold (<i>including</i> any gray zone)? If yes, reevaluate the category of the wetland using the narrative criteria in OAC Rule 3745-1-54(C) and biological and/or functional assessments to determine if the wetland has been under-categorized by the ORAM
Does the quantitative score fall within the scoring range of a Category 1, 2, or 3 wetland?	<input checked="" type="radio"/> YES Wetland is assigned to the appropriate category based on the scoring range	NO	If the score of the wetland is located within the scoring range for a particular category, the wetland should be assigned to that category. In all instances however, the narrative criteria described in OAC Rule 3745-1-54(C) can be used to clarify or change a categorization based on a quantitative score.
Does the quantitative score fall with the "gray zone" for Category 1 or 2 or Category 2 or 3 wetlands?	<input checked="" type="radio"/> YES Wetland is assigned to the higher of the two categories or assigned to a category based on detailed assessments and the narrative criteria	NO	Rater has the option of assigning the wetland to the higher of the two categories or to assign a category based on the results of a nonrapid wetland assessment method, e.g. functional assessment, biological assessment, etc, and a consideration of the narrative criteria in OAC rule 3745-1-54(C).
Does the wetland otherwise exhibit <i>moderate OR superior</i> hydrologic OR habitat, OR recreational functions AND the wetland was <i>not</i> categorized as a Category 2 wetland (in the case of moderate functions) or a Category 3 wetland (in the case of superior functions) by this method?	YES Wetland was undercategorized by this method. A written justification for recategorization should be provided on Background Information Form	<input checked="" type="radio"/> NO	A wetland may be undercategorized using this method, but still exhibit one or more superior functions, e.g. a wetland's biotic communities may be degraded by human activities, but the wetland may still exhibit superior hydrologic functions because of its type, landscape position, size, local or regional significance, etc. In this circumstance, the narrative criteria in OAC Rule 3745-1-54(C)(2) and (3) are controlling, and the under-categorization should be corrected. A written justification with supporting reasons or information for this determination should be provided.

Final Category

Choose one
Category 1
Category 2
Category 3

End of Ohio Rapid Assessment Method for Wetlands.



Ohio EPA QHEI Data Form



Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

QHEI Score: 59.5

Stream & Location: Little Cuyahoga River (S-EVN-1) **RM:** 7.68 **Date:** 2026-03-10
 West of Seiberling St, Akron, OH **Scorers Full Name & Affiliation:** Erin Van Nort / William Haas, TRC
River Code: N/A **STORET #:** N/A **Lat./Long.:** (NAD83 - decimal) 41.059283 / -81.471970 **Office verified location**

1] SUBSTRATE Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

BEST TYPES	POOL RIFFLE	OTHER TYPES	POOL RIFFLE	ORIGIN	QUALITY
<input type="checkbox"/> BLDR/SLABS [10]	<input type="checkbox"/> POOL RIFFLE	<input type="checkbox"/> HARDPAN [4]	<input type="checkbox"/> POOL RIFFLE	<input type="checkbox"/> LIMESTONE [1]	<input type="checkbox"/> HEAVY [-2]
<input type="checkbox"/> BOULDER [9]		<input type="checkbox"/> DETRITUS [3]	8	<input checked="" type="checkbox"/> TILLS [1]	<input type="checkbox"/> MODERATE [-1]
<input checked="" type="checkbox"/> COBBLE [8]	40	<input type="checkbox"/> MUCK [2]		<input type="checkbox"/> WETLANDS [0]	<input type="checkbox"/> NORMAL [0]
<input checked="" type="checkbox"/> GRAVEL [7]	5 25	<input type="checkbox"/> SILT [2]		<input type="checkbox"/> HARDPAN [0]	<input checked="" type="checkbox"/> FREE [1]
<input type="checkbox"/> SAND [6]	20	<input type="checkbox"/> ARTIFICIAL [0]	0 2	<input checked="" type="checkbox"/> SANDSTONE [0]	<input type="checkbox"/> EXTENSIVE [-2]
<input type="checkbox"/> BEDROCK [5]				<input type="checkbox"/> RIP/RAP [0]	<input type="checkbox"/> MODERATE [-1]
NUMBER OF BEST TYPES:	<input type="checkbox"/> 4 or more [2]	(Score natural substrates; ignore sludge from point-sources)		<input type="checkbox"/> LACUSTRINE [0]	<input checked="" type="checkbox"/> NORMAL [0]
	<input checked="" type="checkbox"/> 3 or less [0]			<input type="checkbox"/> SHALE [-1]	<input type="checkbox"/> NONE [1]
				<input type="checkbox"/> COAL FINES [-2]	

Comments

2] INSTREAM COVER Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

AMOUNT	Check ONE (Or 2 & average)
<input type="checkbox"/> EXTENSIVE >75% [11]	<input type="checkbox"/> MODERATE 25-75% [7]
<input checked="" type="checkbox"/> SPARSE 5-<25% [3]	<input checked="" type="checkbox"/> NEARLY ABSENT <5% [1]

1 UNDERCUT BANKS [1]	0 POOLS > 70CM [2]	0 OXBOWS, BACKWATERS [1]
1 OVERHANGING VEGETATION [1]	1 ROOTWADS [1]	0 AQUATIC MACROPHYTES [1]
1 SHALLOWS (IN SLOW WATER) [1]	0 BOULDERS [1]	1 LOGS OR WOODY DEBRIS [1]
1 ROOTMATS [1]		

Comments

3] CHANNEL MORPHOLOGY Check ONE in each category (Or 2 & average)

SINUOSITY	DEVELOPMENT	CHANNELIZATION	STABILITY
<input type="checkbox"/> HIGH [4]	<input type="checkbox"/> EXCELLENT [7]	<input type="checkbox"/> NONE [6]	<input type="checkbox"/> HIGH [3]
<input type="checkbox"/> MODERATE [3]	<input type="checkbox"/> GOOD [5]	<input checked="" type="checkbox"/> RECOVERED [4]	<input checked="" type="checkbox"/> MODERATE [2]
<input checked="" type="checkbox"/> LOW [2]	<input checked="" type="checkbox"/> FAIR [3]	<input checked="" type="checkbox"/> RECOVERING [3]	<input type="checkbox"/> LOW [1]
<input type="checkbox"/> NONE [1]	<input type="checkbox"/> POOR [1]	<input type="checkbox"/> RECENT OR NO RECOVERY [1]	

Comments

4] BANK EROSION AND RIPARIAN ZONE Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream	RIPARIAN WIDTH	FLOOD PLAIN QUALITY
EROSION	L R	L R
<input checked="" type="checkbox"/> NONE / LITTLE [3]	<input type="checkbox"/> WIDE > 50M [4]	<input type="checkbox"/> FOREST, SWAMP [3]
<input type="checkbox"/> MODERATE [2]	<input type="checkbox"/> MODERATE 10-50M [3]	<input type="checkbox"/> SHRUB OR OLD FIELD [2]
<input type="checkbox"/> HEAVY / SEVERE [1]	<input checked="" type="checkbox"/> NARROW 5-10M [2]	<input type="checkbox"/> RESIDENTIAL, PARK, NEW FIELD [1]
	<input checked="" type="checkbox"/> VERY NARROW < 5M [1]	<input type="checkbox"/> FENCED PASTURE [1]
	<input type="checkbox"/> NONE [0]	<input type="checkbox"/> OPEN PASTURE, ROWCROP [0]

Comments

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH	CHANNEL WIDTH	CURRENT VELOCITY
Check ONE (ONLY!)	Check ONE (Or 2 & average)	Check ALL that apply
<input type="checkbox"/> > 1M [6]	<input type="checkbox"/> POOL WIDTH > RIFFLE WIDTH [2]	<input type="checkbox"/> TORRENTIAL [-1]
<input type="checkbox"/> 0.7-<1M [4]	<input type="checkbox"/> POOL WIDTH = RIFFLE WIDTH [1]	<input type="checkbox"/> SLOW [1]
<input checked="" type="checkbox"/> 0.4-<0.7 [2]	<input checked="" type="checkbox"/> POOL WIDTH < RIFFLE WIDTH [0]	<input checked="" type="checkbox"/> VERY FAST [1]
<input type="checkbox"/> 0.2-<0.4M [1]		<input type="checkbox"/> INTERSTITIAL [-1]
<input type="checkbox"/> < 0.2M [0]		<input checked="" type="checkbox"/> FAST [1]
		<input type="checkbox"/> INTERMITTENT [-2]
		<input type="checkbox"/> MODERATE [1]
		<input type="checkbox"/> EDDIES [1]

Comments

6] GRADIENT (7.01 ft/mi) VERY LOW - LOW [2-4] MODERATE [6-10] HIGH - VERY HIGH [10-6]

DRAINAGE AREA (44.9 mi²)

%POOL: 5 **%GLIDE:** 5 **%RUN:** 5 **%RIFFLE:** 85

Comments

Recreation Potential
 (Primary Contact)
 (Secondary Contact)
 (circle one and comment on back)

Substrate
Maximum 20
16.5

Cover
Maximum 20
9

Channel
Maximum 20
10.5

Riparian
Maximum 10
4.5

Pool /
Current
Maximum 12
3

Riffle /
Run
Maximum 8
8

Gradient
Maximum 10
8

AJ SAMPLED REACH

Check ALL that apply

Comment RE: Reach consistency/ Is reach typical of stream?, Recreation/ Observed - Inferred, Other/ Sampling observations, Concerns, Access directions, etc.

pH - 7.4; Temperature - 13.8 c

METHOD
 BOAT
 WADE
 L. LINE
 OTHER

STAGE
 1st-sample pass-- 2nd
 HIGH
 UP
 NORMAL
 LOW
 DRY

DISTANCE
 0.5 Km
 0.2 Km
 0.15 Km
 0.12 Km
 OTHER

CLARITY
 1st --sample pass-- 2nd
 < 20 CM
 20-<40 CM
 40-70 CM
 > 70 CM/ CTB
 SECCHI DEPTH

CANOPY
 > 85%- OPEN
 55-<85%
 30-<55%
 10-<30%
 <10%- CLOSED

CJ RECREATION AREA DEPTH
 POOL: >100ft² >3ft

BJ AESTHETICS
 NUISANCE ALGAE
 INVASIVE MACROPHYTES
 EXCESS TURBIDITY
 DISCOLORATION
 FOAM / SCUM
 OIL SHEEN
 TRASH / LITTER
 NUISANCE ODOR
 SLUDGE DEPOSITS
 CSOS/SSOS/OUTFALLS

DJ MAINTENANCE
 PUBLIC / PRIVATE / BOTH / NA
 ACTIVE / HISTORIC / BOTH / NA
 YOUNG-SUCCESSION- OLD
 SPRAY / SNAG / REMOVED
 MODIFIED / DIPPED OUT / NA
 LEVEED / ONE-SIDED
 RELOCATED / CUTOFFS
 MOVING-BEDLOAD- STABLE
 ARMORED / SLUMPS
 ISLANDS / SCOURED
 IMPOUNDED / DESICCATED
 FLOOD CONTROL / DRAINAGE

Circle some & COMMENT

EJ EJ ISSUES
 WWTP / CSO / NPDES / INDUSTRY
 HARDENED / URBAN / DIRT & GRIM
 CONTAMINATED / LANDFILL
 BMPS-CONSTRUCTION- SEDIMENT
 LOGGING / IRRIGATION / COOLING
 BANK / EROSION / SURFACE
 FALSE BANK / MANURE / LAGOON
 WASH H₂O / TILE / H₂O TABLE
 ACID / MINE / QUARRY / FLOW
 NATURAL / WETLAND / STAGNANT
 PARK / GOLF / LAWN / HOME
 ATMOSPHERE / DATA PAUCITY

FJ MEASUREMENTS
 \bar{x} width 12.56 m
 \bar{x} depth 2.45 m
 max. depth 1 m
 \bar{x} bankfull width NA
 bankfull \bar{x} depth NA
 W/D ratio 5.127
 bankfull max. depth NA
 floodprone x^2 width NA
 entrench. ratio NA
 Legacy Tree:

Stream Drawing:

