



Land Solutions

WETLAND AND WATER RESOURCE DELINEATION REPORT

**~2.13-Acre Property
1465 Norton Road
Hudson, Summit County, Ohio
(Parcel ID: 30-10362)**

Prepared For:

**BCI Dental & Medical Specialists
2950 Westway Drive, Suite 109
Brunswick, Ohio 44212
CC: Mr. Bill Savel**

May 26, 2026

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1.0 INTRODUCTION

This wetland and water resource delineation report provides documentation regarding the habitat characteristics and the associated locations at a 1.8-acre (approximate) Property located at 1465 Norton Road, Hudson, Summit County, Ohio (herein referred to as the “Project Area”). The study and report were completed by Land Solutions, LLC (herein referred to as “Consultant”) on behalf of BCI Dental & Medical Specialists, herein referred to as the “Client”. The data collected includes non-wetland areas, as well as wetlands, streams, and open water (pond) habitats. The following information outlines the review of the background and existing resource materials, existing site conditions, and results of the field investigation.

2.0 SITE DESCRIPTION

The Project Area is currently partially developed. There are two (2) gravel access roads in the central and eastern portions of the property, respectively. There is a storage structure in the northwestern portion of the site, and a dilapidated gravel parking area in the eastern portion. The topography on the site is relatively flat and gently slopes to the northwest.

The surrounding land use is recreational to the north, commercial to the east, and residential to the west. The land is forested to the south. The vegetative habitat on-site consists of primarily managed herbaceous vegetation with a minority of forested habitats. A site location map is included in **Appendix A** as **Figure 1**.

2.1 Purpose

The purpose of this report is to present the results of a wetland and water resource delineation of areas considered “Waters of the United States (US)” or “Waters of the State of Ohio.” Qualified wetland scientists conducted a site visit in order to determine if any wetland areas were present and to mark the boundaries. Additionally, any water resources such as streams or open water areas (ponds) were identified and located.

3.0 METHODS

The on-site routine criteria were utilized as outlined in the *Corps of Engineers Wetland Delineation Manual* (Environmental Laboratory 1987) in conjunction with the United States Army Corps of Engineers (USACE) *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral/Northeast Region (Version 2.0)* (2012). This approach recognizes the three parameters of vegetation, soils, and hydrology to identify and delineate wetlands. Data on soils, vegetation, and hydrology were collected on May 13, 2026, during an on-site investigation conducted by qualified wetland scientists.

Hydrology was considered present if a minimum of one (1) primary indicator or two (2) secondary indicators were identified. Indicators of wetland hydrology (saturated or inundated soils) along with signs of previous prolonged inundation in the upper 12 inches were measured from the ground surface. Consistent with the 1987 Manual and

appropriate Regional Supplement, the primary and secondary indicators of hydrology during the growing season were also noted at each sampling location.

Dominant species were determined by visually estimating the percent cover of each species within a plot of an approximately 30-foot (ft) radius for trees, 15-ft radius for saplings/shrubs, 5-ft radius for herbs, and a 30-ft radius for woody vines. Species nomenclature and wetland indicator status follows that of the USACE *National Wetland Plant List* (2024). Hydrophytic species are those wetland plants with an indicator status of OBL (obligate wetland), FACW (facultative wetland), or FAC (facultative). Species listed as FACU (facultative upland) or UPL (upland) are more indicative of upland areas and generally do not occur in wetlands. All wetland and water resource habitats were classified according to definitions provided by the United States Fish and Wildlife Service (USFWS), and *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin et al. 1979).

Soils were examined by using a sharp-shooter shovel to excavate to a depth of approximately 12 to 20 inches or to refusal based on methods outlined in the National Technical Committee for Hydric Soils (1991). Soil colors were determined using a 2010 Munsell® Soil Color Chart and hydric soils were determined using the Hydric Soils Technical Manual Version 9.0 (2024) when soils were moist or wetted. Redoximorphic concentrations (the apparent accumulation of iron and manganese oxides within the soil profile) were noted if observed. Redox depletions where Fe-Mn oxides have been stripped and consist of a low chroma of two (2) or less and a value of four (4) or higher were also noted if observed. These features are usually an indication of periodically, seasonally, or permanently saturated soil conditions (Vepraskas 2015). Indicators of hydric soils characteristics were based on the USDA textures. Hydric soils were considered present if one or more indicators were identified.

A drainage feature is considered jurisdictional if the feature has a continuous bed, bank, and ordinary high-water mark (OHWM). If present, the OHWMs are measured between both banks of the respective aquatic feature(s) and averaged to obtain an average OHWM or width. This methodology is further outlined in the National Ordinary High Water Mark Field Delineation Manual for Rivers and Streams (January 2025). This criterion is put forth by the definitions in Title 33, Codified Federal Regulation 328.8 (Navigation and Navigable Waters 1986) and USACE Regulatory Guidance Letter 05-05 (RGL 2005).

3.1 Field Practices and Global Positioning System

At each data point, information pertaining to vegetation, soils and hydrology were recorded on separate United States Army Corps of Engineers (USACE) wetland determination data forms. Data points were documented via photographs and marked in the field with flagging. If any data point met all three (3) criteria, the wetland was designated with a letter, and the boundaries were delineated using consecutively numbered flagging. Stream locations are also flagged with their designation.

During the site visit, the upland or non-wetland data points, wetland/upland boundaries, streams, erosional features, overland flows, ditches and other features within the Project Area were geolocated using a Juniper™ Archer 4 GPS receiver. The acquired data taken with the GPS receiver provides locations within sub-meter accuracy. AutoCAD software

was used to prepare the field data mapping. Available topographic data is incorporated into the data analysis to ensure recorded geolocations are accurate.

4.0 REVIEW OF BACKGROUND RESOURCES AND EXISTING DOCUMENTATION

4.1 National Wetlands Inventory Map

A review of the USFWS National Wetlands Inventory (NWI) map of Hudson, Ohio did not indicate any wetlands, streams, or open-water habitats (ponds) within the Project Area (**Appendix A, Figure 2**). Note that NWI maps were derived from aerial photo interpretation and are designed for general planning purposes only.

4.2 Topography and Drainage

The topography on the site is relatively flat and gently slopes to the northwest. Review of the Hudson, Ohio USGS 7.5-minute Topographic Quadrangle map (2023) and the Summit County Geographic Information System (GIS) mapping indicates that the existing topography on the site ranges between 1062 to 1070 feet in elevation above the National Geodetic Vertical Datum (NGVD). Contours from the Summit County GIS do not indicate any potential drainage features within the Project Area. The portion of the USGS Topographic map showing the Project Area is included in **Appendix A as Figure 3**.

The majority of the surficial flow is generally conveyed in a northwestern direction towards an unnamed tributary of Powers Brook. This unnamed tributary drains 0.15 square miles of Summit County. The Project Area is located within the Cuyahoga River watershed, designated with the 8-digit Hydrologic Unit Code (HUC-8) 04110002.

4.3 Soil Survey

The Soil Survey of Summit County, Ohio (<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>) indicates that one (1) soil is mapped within the Project Area: Chili loam, 2-6% slopes (CnB). CnB is considered a well-drained soil. The Summit County Natural Resource Conservation Service (NRCS) designates CnB as non-hydric. The portion of the soil survey showing the Project Area is included in **Appendix A as Figure 4**.

4.4 Aerial Imagery

A review of aerial imagery from the Summit County GIS and Google Earth shows that the Project Area is comprised of primarily managed herbaceous habitat with a minority of forested habitats. A larger portion of the Project Area was comprised of active agricultural fields with a residential structure in the southwestern portion of the Project Area from the earliest available aerial imagery (1952) to 1982. The gravel access road and parking area in the eastern portion of the site were constructed between 1982 and 1994. The existing storage structure in the northwestern portion of the site was constructed between 2004 and 2006. The residential structure was removed between 2011 and 2013, and the site has since succeeded to its current state. No drainage patterns or dark spots (indicators of potential streams or wetlands) are apparent within the Project Area throughout the historical aerial imagery reviewed. Aerial imagery from OGRIP OSIP Imagery Program (2025) is provided in **Appendix A as Figure 5**.

5.0 RESULTS AND DISCUSSION

The Project Area is located within the physiographic region of the Glaciated Allegheny Plateau, Kilbuck-Glaciated Pittsburgh Plateau (Brockman 1998); and the Erie/Ontario Drift and Lake Plain; Summit Interlobate Area Level IV Ecoregion (Woods et al. 1998). The field investigation was conducted on May 13, 2026. The weather at the time of the investigation was fair with an average temperature of 55° Fahrenheit (F). There was a total of 0.98 inches of precipitation in the five days prior to the field investigation.

The background resources do not indicate the potential for wetlands, streams, or other water features within the Project Area. NWI mapping did not indicate any wetlands, streams, or open-water habitats (ponds) within the Project Area. Contours from the Summit County GIS do not indicate any potential drainage features within the Project Area. Additionally, the only mapped soil type (CnB) is designated as non-hydric inclusions. This designation is not an indicator of potential wetlands.

5.1 Findings of the Field Investigation

Three (3) data points (designated as “DP1” to “DP3”) were collected within the Project Area. The Field Data Location Map depicting the surveyed data point locations and photograph locations with directions is provided in **Appendix A, Figure 6**. The data points collected within the Project Area were each recorded on a Wetland Determination Data Form provided in **Appendix B**. Site photographs are located in **Appendix C**. The following descriptions provide a summary of each data point, including the location and characteristics.

Table 1. Data Point Summary					
Data Point	Hydrology	Hydrophytic Vegetation	Hydric Soils	Wetland Designation	Photo Numbers
DP1					1-2
DP2					4-5
DP3					6-7

5.2 Wetlands

None of the collected data points met all three (3) criteria of a wetland.

5.3 Uplands

The entirety of the Project Area exhibited upland characteristics. All three (3) data points lacked all three (3) of the wetland criteria and were considered non-wetlands.

5.4 Streams and Other Waters

No drainage features, aquatic features, or open water (pond) habitats were observed within the Project Area.

6.0 CONCLUSIONS

No wetlands were identified within the Project Area. The data point locations are shown on the Field Data Location Map (**Appendix A, Figure 6**). No drainage features, aquatic features, or open water (pond) habitats were observed within the Project Area.

Data on which this report is based are on file with the Consultant. The wetland resources may be regulated under federal or state jurisdiction. No filling or disturbance may occur in jurisdictional areas without verification by the USACE and obtaining a permit prior to activity. The USACE, Buffalo District should be contacted by either the Consultant or the Client before working in any wetlands.

Based on the findings of the field investigation, the Consultant presents the following recommendations for consideration at the Project Area.

- 1) At the Client's preference, submit a copy of this report to the USACE, Buffalo District to have the absence of wetlands and water resources verified.
- 2) Since there are no wetlands or water resources, a federal or state permit is not required because there are no impacts to "waters of the United States" or "waters of the State of Ohio".

7.0 DISCLAIMER

The terms “wetlands” and “Waters of the United States” and “Waters of the State of Ohio” as used in this report are Land Solutions, LLC’s (Consultant’s) interpretation of state and federal laws concerning wetlands and water resource identification.

The definition and delineation of wetlands on any specific site are subject to interpretation by various regulatory agencies. The Consultant has, to the best of its ability, accurately delineated any jurisdictional limits based on current regulations and the experience with the regulatory agencies. However, no warranty or representation is made that the relevant regulatory agencies will concur with the Consultant’s interpretation. All boundaries and mapped features are approximate and subject to the accuracy of the GPS equipment that was used and environmental conditions at the time of the site visit.

This report was prepared exclusively for the use of the Client identified in the associated contract, in accordance with the agreed scope of services. Neither this report nor its contents may be used, copied, relied upon, quoted, or distributed by any third party without the prior written consent of Land Solutions, LLC (“Consultant”). Unauthorized use or reliance by any third party is strictly prohibited. Any such use shall be at the third party’s sole risk, and the Consultant expressly disclaims any and all liability arising therefrom.

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All references to laws and regulations within this report reflect the Consultant’s professional interpretation and are not intended to constitute legal advice. Clients and others reviewing this report should consult legal counsel for authoritative interpretations of the law.

The findings and conclusions presented herein are based solely upon site observations, field data, and conditions as they existed on the date(s) of inspection. Site conditions are subject to change over time, and the Consultant makes no representation regarding future site conditions or regulatory determinations. Furthermore, hidden or latent conditions may exist that were not reasonably discoverable within the scope of the investigation. The scope of services may also have been limited by time, budget, or other constraints imposed by the Client.

No express or implied warranties are made, including but not limited to any warranty of merchantability or fitness for a particular purpose. The Consultant and Client disclaim any and all liability for incidental, indirect, or consequential damages resulting from the use or reliance upon this report.

The unverified jurisdictional statuses assigned for each wetland have been assigned in light of the Supreme Court's decision on Sackett v. EPA (May 25, 2023), and the updated definitions that became effective on March 12, 2025. This decision limited the definition of "Waters of the United States" that are subject to regulations under the Clean Water Act. Therefore, the determinations discussed in this report were assigned based on the Sackett decision as outlined in the USEPA/USACE March 12, 2025 Joint Memorandum and are subject to change pending future legal or regulatory updates. Additionally, updates to the jurisdictional statuses were issued on November 17, 2025, by the USEPA.

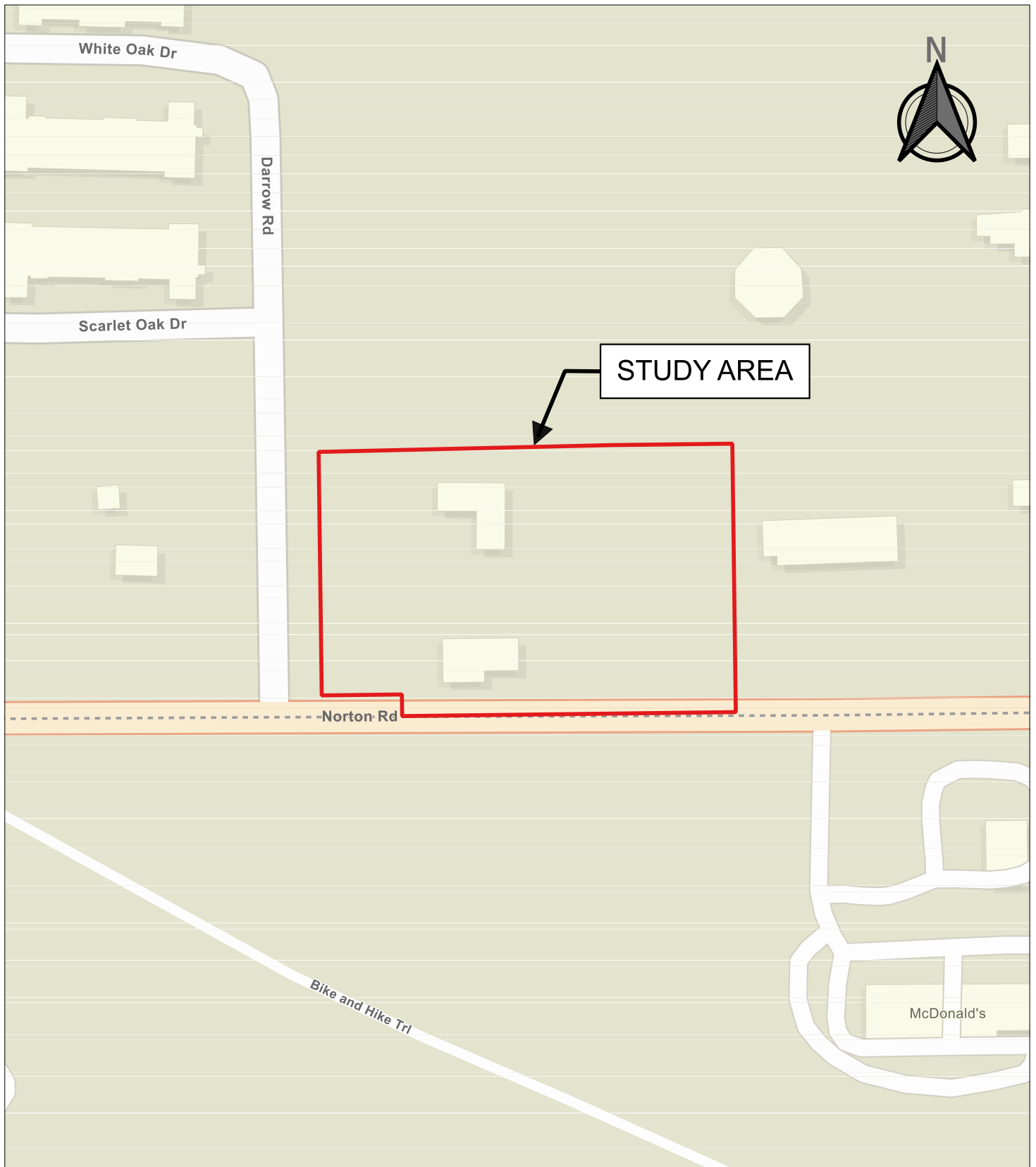
8.0 LITERATURE CITED

- Brockman, CS. 1998. *Physiographic Regions of Ohio*. Department of Natural Resources. Division of Geologic Survey, Columbus, Ohio.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. *Classification of Wetlands and Deepwater Habitats of the United States*. United States Department of Interior, Fish and Wildlife Service, Biological Services Program FWS/OBS-79/31, 103 pp.
- Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual*, Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi 39180-0631.
- Munsell Color. 2010. Munsell Color Charts. Kollmorgen Corporation, Baltimore, MD.
- National Technical Committee for Hydric Soils. 1991. *Hydric Soils of the United States*. United States Department of Agriculture. Soil Conservation Service. Washington, DC
- Navigation and Navigable Waters, 33 C.F.R. § 328.3(e). 1986.
- Navigation and Navigable Waters, 33 C.F.R. § 329.11(a). 1986.
- Ohio Geographically Referenced Information Program (OGRIP), OSIP III 2025. <https://gis1.oit.ohio.gov/geodatadownload/>
- Summit County Environmental Viewer. Viewed May 2026. https://summitmaps.summitoh.net/GISViewer/?page=Environmental-Viewer#data_s=id%3Af966738773e943fd9a1ac0d30059bab6-Parcels_2117%3A253129
- United States Army Corps of Engineers. 2025. *National Ordinary High Water Mark Field Delineation Manual for Rivers and Streams*. Wetlands Regulatory Assistance Program (WRAP).
- United States Army Corps of Engineers. 2012. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral/Northeast Region Version 2.0*, ed. J.F. Berkowitz, J.S. Wakeley, R. W. Lichvar, C. V. Noble. ERDC/EL TR-12-9. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- United States Army Corps of Engineers. Regulatory Guidance Letter No. 05-05, 7 December 2005, SUBJECT: Ordinary High Water Mark Identification.
- United States Department of Agriculture, Natural Resources Conservation Service. 2024. *Field Indicators of Hydric Soils in the United States, Version 9.0*. L.M. Vasilas, G.W. Hurt, and J.F. Berkowitz (eds.). USDA, NRCS, in cooperation with the National Technical Committee for Hydric Soils.

- United States Department of Agriculture: Natural Resources Conservation Service (NRCS). *"List of Hydric Soils of Summit County, Ohio."* Viewed May 2026.
<http://www.nrcs.usda.gov>
- United States Department of Agriculture: NRCS. *Web Soil Survey*. Viewed May 2026.
<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>.
- United States Department of Interior. 2025. *National Wetland Inventory Mapper. Hudson, Ohio*.
- United States Geologic Survey. 2025. *7.5-Minute Topographic Map. Hudson, Ohio Quadrangle*.
- U.S. Army Corps of Engineers. (2025). 2022 National Wetland Plant List, version 3.6. U.S. Army Engineer Research and Development Center, Vicksburg, MS.
<http://wetland-plants.usace.army.mil/>
- Vepraskas, M. J. 2015. *Redoximorphic Features for Identifying Aquic Conditions*. North Carolina Agricultural Research Service. North Carolina State University. Raleigh, North Carolina. Technical Bulletin 301. 12 pp.
- Woods A.J., Omernick JM, Brockman CS, Gerber TD, Hoster WD, and Azevedo SH. 1998. *Ecological Regions of Indiana and Ohio*. United States Geologic Survey, Denver, CO.

APPENDIX A

FIGURES



Study Area: Parcel ID 30-10362
 Data Source: Summit County GIS
 Base Map: Charted Territory Map (ESRI)

0 100 200 ft

Scale 1:1500



Land Solutions

Land Solutions, LLC
 34600 Chardon Road, Suite 7
 Willoughby Hills, Ohio 44094

FIGURE 1
SITE LOCATION MAP
BCI DENTAL & MEDICAL SPECIALISTS
 1465 NORTON AVENUE, HUDSON,
 SUMMIT COUNTY, OHIO

Date: 05-23-2026
 Scale: AS SHOWN
 Filename: 26019
 Drawn by: MGL



Study Area: Parcel ID 30-10362
 Data Source: Summit County GIS
 Base Map: USGS Topographic Map

0 800 1,600 ft

Scale 1:10000



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 Willoughby Hills, Ohio 44094

FIGURE 3
 USGS TOPOGRAPHIC MAP
BCI DENTAL & MEDICAL SPECIALISTS
 1465 NORTON AVENUE, HUDSON,
 SUMMIT COUNTY, OHIO

Date: 05-23-2026
 Scale: AS SHOWN
 Filename: 28019
 Drawn by: MSL



LEGEND

 ESTUARINE AND MARINE DEEPWATER	 FRESHWATER EMERGENT WETLAND
 ESTUARINE AND MARINE WETLAND	 FRESHWATER FORESTED/SHRUB WETLAND
 LAKE	 FRESHWATER POND
 RIVERINE	 OTHER

0 100 200 ft



Scale 1:1500

Data Source: National Wetlands Inventory (NWI),
Summit County GIS
Base Map: OGRIP OSIP Imagery Program (2025)



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Willoughby Hills, Ohio 44094

FIGURE 2
NATIONAL WETLANDS INVENTORY MAP
BCI DENTAL & MEDICAL SPECIALISTS
1465 NORTON AVENUE, HUDSON,
SUMMIT COUNTY, OHIO

Date: 05-23-2026
Scale: AS SHOWN
Filename: 26019
Drawn by: MGL



Study Area: Parcel ID 30-10362
 Data Source: USDA-NRCS, Summit County GIS
 Base Map: OGRIP OSIP Imagery Program (2025)

0 100 200 ft

Scale 1:1500



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 Willoughby Hills, Ohio 44094

FIGURE 4
 NRCS SOIL SURVEY MAP
BCI DENTAL & MEDICAL SPECIALISTS
 1465 NORTON AVENUE, HUDSON,
 SUMMIT COUNTY, OHIO

Date: 05-23-2026
 Scale: AS SHOWN
 Filename: 26019
 Drawn by: MGL



Study Area: Parcel ID 30-10362
Data Source: Summit County GIS
Base Map: OGRIP OSIP Imagery Program (2025)

0 100 200 ft

Scale 1:1500



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FIGURE 5
AERIAL PHOTOGRAPH MAP
BCI DENTAL & MEDICAL SPECIALISTS
1465 NORTON AVENUE, HUDSON,
SUMMIT COUNTY, OHIO

Date: 05-23-2026
Scale: AS SHOWN
Filename: 26019
Drawn by: MGL



- **STUDY AREA ACREAGE: 2.13 AC.**
- **STUDY AREA IS PARCEL NUMBER 30-10362**

0 80 160 ft

Scale 1:1000

Data Source: Summit County GIS
Base Map: OGRIP OSIP Imagery
Program (2025)

Date: 06-23-2026
Scale: AS SHOWN
Filename: 26019
Drawn by: MGL

FIGURE 6
FIELD DATA LOCATION MAP
BCI DENTAL & MEDICAL SPECIALISTS
1465 NORTON AVENUE, HUDSON,
SUMMIT COUNTY, OHIO

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Willoughby Hills, Ohio 44094



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APPENDIX B

WETLAND DETERMINATION DATA FORMS

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)
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Project/Site: 26019 BCI Dental City/County: Hudson/Summit Sampling Date: 2026-05-13
Applicant/Owner: Mr. Bill Savel State: Ohio Sampling Point: DP1
Investigator(s): CAP, CWP Section, Township, Range: _____
Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope %: _____
Subregion (LRR or MLRA): _____ Lat: 41.2033149 Long: -81.4430522 Datum: WGS 84
Soil Map Unit Name: CnB - Chili loam, 2 to 6 percent slopes NWI classification: _____
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 _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒ If yes, optional Wetland Site ID: _____
Hydric Soil Present? Yes _____ No ☒	
Wetland Hydrology Present? Yes _____ No ☒	

Remarks: (Explain alternative procedures here or in a separate report.)

A non-wetland point, located in an herbaceous habitat and near the western portion of the Project Area.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ____ Surface Water (A1) ____ Water-Stained Leaves (B9) ____ High Water Table (A2) ____ Aquatic Fauna (B13) ____ Saturation (A3) ____ Marl Deposits (B15) ____ Water Marks (B1) ____ Hydrogen Sulfide Odor (C1) ____ Sediment Deposits (B2) ____ Oxidized Rhizospheres on Living Roots (C3) ____ Drift Deposits (B3) ____ Presence of Reduced Iron (C4) ____ Algal Mat or Crust (B4) ____ Recent Iron Reduction in Tilled Soils (C6) ____ Iron Deposits (B5) ____ Thin Muck Surface (C7) ____ Inundation Visible on Aerial Imagery (B7) ____ Other (Explain in Remarks) ____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> ____ Surface Soil Cracks (B6) ____ Drainage Patterns (B10) ____ Moss Trim Lines (B16) ____ Dry-Season Water Table (C2) ____ Crayfish Burrows (C8) ____ Saturation Visible on Aerial Imagery (C9) ____ Stunted or Stressed Plants (D1) ____ Geomorphic Position (D2) ____ Shallow Aquitard (D3) ____ Microtopographic Relief (D4) ____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks: No primary or secondary indicators were present; therefore, the hydrology criterion has not been met.	

VEGETATION – Use scientific names of plants.

 Sampling Point: **DP1**

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Robinia pseudoacacia</u>	<u>15</u>	<u>✓</u>	<u>FACU</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.00</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>15</u>	<u>=Total Cover</u>		Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>58</u></td> <td>x 4 = <u>232</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>63</u> (A)</td> <td><u>247</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.92</u></td> </tr> </table>	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>5</u>	x 3 = <u>15</u>	FACU species <u>58</u>	x 4 = <u>232</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>63</u> (A)	<u>247</u> (B)	Prevalence Index = B/A = <u>3.92</u>	
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>5</u>	x 3 = <u>15</u>																			
FACU species <u>58</u>	x 4 = <u>232</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>63</u> (A)	<u>247</u> (B)																			
Prevalence Index = B/A = <u>3.92</u>																				
Sapling/Shrub Stratum (Plot size: <u>15 ft r</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	_____	<u>=Total Cover</u>																		
Herb Stratum (Plot size: <u>5 ft r</u>)																				
1. <u>Poa pratensis</u>	<u>30</u>	<u>✓</u>	<u>FACU</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Festuca rubra</u>	<u>10</u>	<u>✓</u>	<u>FACU</u>																	
3. <u>Viola sororia</u>	<u>5</u>	_____	<u>FAC</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
	<u>45</u>	<u>=Total Cover</u>																		
Woody Vine Stratum (Plot size: <u>30 ft r</u>)																				
1. <u>Parthenocissus quinquefolia</u>	<u>3</u>	_____	<u>FACU</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.																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
	<u>3</u>	<u>=Total Cover</u>																		

Remarks: (Include photo numbers here or on a separate sheet.)

The hydrophytic vegetation criterion has not been met.

SOIL

Sampling Point DP1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 17	10YR 4/3	100					Silt Loam	
17 - 20	10YR 4/2	60	10YR 5/6	40	C	M	Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

Hydric Soil Indicators:

☐ Histosol (A1)

☐ Histic Epipedon (A2)

☐ Black Histic (A3)

☐ Hydrogen Sulfide (A4)

☐ Stratified Layers (A5)

☐ Depleted Below Dark Surface (A11)

☐ Thick Dark Surface (A12)

☐ Iron Monosulfide (A18)

☐ Mesic Spodic (A17)

☐ Sandy Mucky Mineral (S1)

☐ Sandy Gleyed Matrix (S4)

☐ Sandy Redox (S5)

☐ Stripped Matrix (S6)

☐ Dark Surface (S7)

☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)

☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)

☐ High Chroma Sands (S11) (LRR K, L)

☐ Loamy Mucky Mineral (F1) (LRR K, L)

☐ Loamy Gleyed Matrix (F2)

☐ Depleted Matrix (F3)

☐ Redox Dark Surface (F6)

☐ Depleted Dark Surface (F7)

☐ Redox Depressions (F8)

☐ Marl (F10) (LRR K, L)

☐ Red Parent Material (F21) (MLRA 145)

Indicators for Problematic Hydric Soils³:

☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)

☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)

☐ Polyvalue Below Surface (S8) (LRR K, L) Thin

☐ Dark Surface (S9) (LRR K, L)

☐ Iron-Manganese Masses (F12) (LRR K, L, R)

☐ Piedmont Floodplain Soils (F19) (MLRA 149B)

☐ Red Parent Material (F21) (outside MLRA 145)

☐ Very Shallow Dark Surface (F22)

☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type:

Depth (inches):

Hydric Soil Present?

Yes ☐ No ☒

Remarks:

No positive indication of hydric soil was observed.

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)
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Project/Site: 26019 BCI Dental City/County: Hudson/Summit Sampling Date: 2026-05-13
Applicant/Owner: Mr. Bill Savel State: Ohio Sampling Point: DP2
Investigator(s): CAP, CWP Section, Township, Range: _____
Landform (hillside, terrace, etc.): Ridge Local relief (concave, convex, none): Convex Slope %: _____
Subregion (LRR or MLRA): R 139 Lat: 41.20331039 Long: -81.44230351 Datum: WGS 84
Soil Map Unit Name: CnB - Chili loam, 2 to 6 percent slopes NWI classification: _____
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 _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒ If yes, optional Wetland Site ID: _____
Hydric Soil Present? Yes _____ No ☒	
Wetland Hydrology Present? Yes _____ No ☒	

Remarks: (Explain alternative procedures here or in a separate report.)

A non-wetland point, located in a forested habitat and near the eastern-central portion of the Project Area.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ____ Surface Water (A1) ____ Water-Stained Leaves (B9) ____ High Water Table (A2) ____ Aquatic Fauna (B13) ____ Saturation (A3) ____ Marl Deposits (B15) ____ Water Marks (B1) ____ Hydrogen Sulfide Odor (C1) ____ Sediment Deposits (B2) ____ Oxidized Rhizospheres on Living Roots (C3) ____ Drift Deposits (B3) ____ Presence of Reduced Iron (C4) ____ Algal Mat or Crust (B4) ____ Recent Iron Reduction in Tilled Soils (C6) ____ Iron Deposits (B5) ____ Thin Muck Surface (C7) ____ Inundation Visible on Aerial Imagery (B7) ____ Other (Explain in Remarks) ____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> ____ Surface Soil Cracks (B6) ____ Drainage Patterns (B10) ____ Moss Trim Lines (B16) ____ Dry-Season Water Table (C2) ____ Crayfish Burrows (C8) ____ Saturation Visible on Aerial Imagery (C9) ____ Stunted or Stressed Plants (D1) ____ Geomorphic Position (D2) ____ Shallow Aquitard (D3) ____ Microtopographic Relief (D4) ____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks: No primary or secondary indicators were present; therefore, the hydrology criterion has not been met.	

VEGETATION – Use scientific names of plants.

 Sampling Point: **DP2**

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Pinus strobus</u>	<u>50</u>	<u>✓</u>	<u>FACU</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>16.66</u> (A/B)																
2. <u>Fraxinus americana</u>	<u>10</u>		<u>FACU</u>																	
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	<u>60</u>	=Total Cover		Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>10</u></td> <td>x 3 = <u>30</u></td> </tr> <tr> <td>FACU species <u>95</u></td> <td>x 4 = <u>380</u></td> </tr> <tr> <td>UPL species <u>2</u></td> <td>x 5 = <u>10</u></td> </tr> <tr> <td>Column Totals: <u>107</u> (A)</td> <td><u>420</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.92</u></td> </tr> </table>	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>10</u>	x 3 = <u>30</u>	FACU species <u>95</u>	x 4 = <u>380</u>	UPL species <u>2</u>	x 5 = <u>10</u>	Column Totals: <u>107</u> (A)	<u>420</u> (B)	Prevalence Index = B/A = <u>3.92</u>	
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>10</u>	x 3 = <u>30</u>																			
FACU species <u>95</u>	x 4 = <u>380</u>																			
UPL species <u>2</u>	x 5 = <u>10</u>																			
Column Totals: <u>107</u> (A)	<u>420</u> (B)																			
Prevalence Index = B/A = <u>3.92</u>																				
Sapling/Shrub Stratum (Plot size: <u>15 ft r</u>)																				
1. <u>Lonicera morrowii</u>	<u>20</u>	<u>✓</u>	<u>FACU</u>																	
2. <u>Rubus idaeus</u>	<u>5</u>	<u>✓</u>	<u>FACU</u>																	
3. _____																				
4. _____																				
5. _____																				
6. _____																				
7. _____																				
	<u>25</u>	=Total Cover																		
Herb Stratum (Plot size: <u>5 ft r</u>)																				
1. <u>Toxicodendron radicans</u>	<u>10</u>	<u>✓</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Parthenocissus quinquefolia</u>	<u>5</u>	<u>✓</u>	<u>FACU</u>																	
3. <u>Arctium lappa</u>	<u>2</u>		<u>UPL</u>																	
4. _____																				
5. _____																				
6. _____																				
7. _____																				
8. _____																				
9. _____																				
10. _____																				
11. _____																				
12. _____																				
	<u>17</u>	=Total Cover																		
Woody Vine Stratum (Plot size: <u>30 ft r</u>)																				
1. <u>Parthenocissus quinquefolia</u>	<u>5</u>	<u>✓</u>	<u>FACU</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.																
2. _____																				
3. _____																				
4. _____																				
	<u>5</u>	=Total Cover																		

Remarks: (Include photo numbers here or on a separate sheet.)

The hydrophytic vegetation criterion has not been met.

SOIL

Sampling Point DP2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 4	10YR 4/3	100					Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:			Indicators for Problematic Hydric Soils³:		
☐ Histosol (A1)	☐ Dark Surface (S7)	☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)			
☐ Histic Epipedon (A2)	☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)	☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
☐ Black Histic (A3)	☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)	☐ Polyvalue Below Surface (S8) (LRR K, L) Thin			
☐ Hydrogen Sulfide (A4)	☐ High Chroma Sands (S11) (LRR K, L)	☐ Dark Surface (S9) (LRR K, L)			
☐ Stratified Layers (A5)	☐ Loamy Mucky Mineral (F1) (LRR K, L)	☐ Iron-Manganese Masses (F12) (LRR K, L, R)			
☐ Depleted Below Dark Surface (A11)	☐ Loamy Gleyed Matrix (F2)	☐ Piedmont Floodplain Soils (F19) (MLRA 149B)			
☐ Thick Dark Surface (A12)	☐ Depleted Matrix (F3)	☐ Red Parent Material (F21) (outside MLRA 145)			
☐ Iron Monosulfide (A18)	☐ Redox Dark Surface (F6)	☐ Very Shallow Dark Surface (F22)			
☐ Mesic Spodic (A17)	☐ Depleted Dark Surface (F7)	☐ Other (Explain in Remarks)			
☐ (MLRA 144A, 145, 149B)	☐ Redox Depressions (F8)				
☐ Sandy Mucky Mineral (S1)	☐ Marl (F10) (LRR K, L)				
☐ Sandy Gleyed Matrix (S4)	☐ Red Parent Material (F21) (MLRA 145)				
☐ Sandy Redox (S5)					
☐ Stripped Matrix (S6)					

Restrictive Layer (if observed):
Type: Gravel, root mat
Depth (inches): 4

Hydric Soil Present? Yes ☐ No ☒

Remarks:

The soil sample was unable to be extended past 4 inches due to the presence of gravel and a dense root mat, preventing the shovel penetration.
No positive indication of hydric soil was observed.

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)
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Project/Site: 26019 BCI Dental City/County: Hudson/Summit Sampling Date: 2026-05-13
Applicant/Owner: Mr. Bill Savel State: Ohio Sampling Point: DP3
Investigator(s): CAP, CWP Section, Township, Range: _____
Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope %: _____
Subregion (LRR or MLRA): R 139 Lat: 41.2032998 Long: -81.4418921 Datum: WGS 84
Soil Map Unit Name: CnB - Chili loam, 2 to 6 percent slopes NWI classification: _____
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 _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒ If yes, optional Wetland Site ID: _____
Hydric Soil Present? Yes _____ No ☒	
Wetland Hydrology Present? Yes _____ No ☒	

Remarks: (Explain alternative procedures here or in a separate report.)

A non-wetland point, located in an herbaceous habitat and near the eastern portion of the Project Area.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ____ Surface Water (A1) ____ Water-Stained Leaves (B9) ____ High Water Table (A2) ____ Aquatic Fauna (B13) ____ Saturation (A3) ____ Marl Deposits (B15) ____ Water Marks (B1) ____ Hydrogen Sulfide Odor (C1) ____ Sediment Deposits (B2) ____ Oxidized Rhizospheres on Living Roots (C3) ____ Drift Deposits (B3) ____ Presence of Reduced Iron (C4) ____ Algal Mat or Crust (B4) ____ Recent Iron Reduction in Tilled Soils (C6) ____ Iron Deposits (B5) ____ Thin Muck Surface (C7) ____ Inundation Visible on Aerial Imagery (B7) ____ Other (Explain in Remarks) ____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> ____ Surface Soil Cracks (B6) ____ Drainage Patterns (B10) ____ Moss Trim Lines (B16) ____ Dry-Season Water Table (C2) ____ Crayfish Burrows (C8) ____ Saturation Visible on Aerial Imagery (C9) ____ Stunted or Stressed Plants (D1) ____ Geomorphic Position (D2) ____ Shallow Aquitard (D3) ____ Microtopographic Relief (D4) ____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks: No primary or secondary indicators were present; therefore, the hydrology criterion has not been met.	

VEGETATION – Use scientific names of plants.

 Sampling Point: **DP3**

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Quercus rubra</u>	<u>10</u>	☒	<u>FACU</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>5</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>40.00</u> (A/B)																
2. <u>Acer rubrum</u>	<u>8</u>	☒	<u>FAC</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	<u>18</u>	=Total Cover																		
Sapling/Shrub Stratum (Plot size: <u>15 ft r</u>)																				
1. _____	_____	_____	_____	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>23</u></td> <td>x 3 = <u>69</u></td> </tr> <tr> <td>FACU species <u>51</u></td> <td>x 4 = <u>204</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>74</u> (A)</td> <td><u>273</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.68</u></td> </tr> </table>	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>23</u>	x 3 = <u>69</u>	FACU species <u>51</u>	x 4 = <u>204</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>74</u> (A)	<u>273</u> (B)	Prevalence Index = B/A = <u>3.68</u>	
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>23</u>	x 3 = <u>69</u>																			
FACU species <u>51</u>	x 4 = <u>204</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>74</u> (A)	<u>273</u> (B)																			
Prevalence Index = B/A = <u>3.68</u>																				
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
	_____	=Total Cover																		
Herb Stratum (Plot size: <u>5 ft r</u>)																				
1. <u>Poa pratensis</u>	<u>18</u>	☒	<u>FACU</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>4</u> - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
2. <u>Erigeron philadelphicus</u>	<u>15</u>	☒	<u>FAC</u>																	
3. <u>Trifolium repens</u>	<u>12</u>	☒	<u>FACU</u>																	
4. <u>Cerastium fontanum</u>	<u>10</u>	_____	<u>FACU</u>																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
	<u>55</u>	=Total Cover																		
Woody Vine Stratum (Plot size: <u>30 ft r</u>)																				
1. <u>Parthenocissus quinquefolia</u>	<u>1</u>	_____	<u>FACU</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.																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
	<u>1</u>	=Total Cover																		

Remarks: (Include photo numbers here or on a separate sheet.)

The hydrophytic vegetation criterion has not been met.

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
-							Silt Loam	
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- | | |
|--|---|
| ☐ Histosol (A1) | ☐ Dark Surface (S7) |
| ☐ Histic Epipedon (A2) | ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B) |
| ☐ Black Histic (A3) | ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B) |
| ☐ Hydrogen Sulfide (A4) | ☐ High Chroma Sands (S11) (LRR K, L) |
| ☐ Stratified Layers (A5) | ☐ Loamy Mucky Mineral (F1) (LRR K, L) |
| ☐ Depleted Below Dark Surface (A11) | ☐ Loamy Gleyed Matrix (F2) |
| ☐ Thick Dark Surface (A12) | ☐ Depleted Matrix (F3) |
| ☐ Iron Monosulfide (A18) | ☐ Redox Dark Surface (F6) |
| ☐ Mesic Spodic (A17) | ☐ Depleted Dark Surface (F7) |
| (MLRA 144A, 145, 149B) | ☐ Redox Depressions (F8) |
| ☐ Sandy Mucky Mineral (S1) | ☐ Marl (F10) (LRR K, L) |
| ☐ Sandy Gleyed Matrix (S4) | ☐ Red Parent Material (F21) (MLRA 145) |
| ☐ Sandy Redox (S5) | |
| ☐ Stripped Matrix (S6) | |

Indicators for Problematic Hydric Soils³:

- ☐ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ☐ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ☐ Polyvalue Below Surface (S8) (**LRR K, L**) Thin
- ☐ Dark Surface (S9) (**LRR K, L**)
- ☐ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ☐ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ☐ Red Parent Material (F21) (**outside MLRA 145**)
- ☐ Very Shallow Dark Surface (F22)
- ☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Gravel

Depth (inches): 0

Hydric Soil Present? Yes ☐ No ☒

Remarks:

The soil sample was unable to be obtained due to the presence of gravel, preventing the shovel penetration.

Area presumed to have been a gravel parking area.

No positive indication of hydric soil was observed.

APPENDIX C

SITE PHOTOGRAPHS



Photograph 1

View facing north, depicting the herbaceous habitat at non-wetland data point DP1, located in the western portion of the Project Area.



Photograph 2

View facing east, depicting the herbaceous habitat at non-wetland data point DP1, located in the western portion of the Project Area.





Photograph 3

Typical view of the non-hydric soil profile at data point DP1.



Photograph 4

View facing north, depicting the forested habitat at non-wetland data point DP2, located in the eastern-central portion of the Project Area.





Photograph 5

View facing east, depicting the forested habitat at non-wetland data point DP2, located in the eastern-central portion of the Project Area.



Photograph 6

View facing north, depicting the herbaceous habitat at non-wetland data point DP3, located in the eastern portion of the Project Area.





Photograph 7

View facing east, depicting the herbaceous habitat at non-wetland data point DP3, located in the eastern portion of the Project Area.



Photograph 8

Typical view facing south, depicting a gravel access road in the eastern portion of the Project Area.





Photograph 9

Typical view facing west, depicting a paved sidewalk in the southwestern portion of the Project Area.



Photograph 10

Typical view facing east, depicting an existing storage structure in the northwestern portion of the Project Area.

