

NCHP - BIG WALNUT CREEK CROSSING PROJECT

Ecological Field Survey Report

Project Number: 182586

Date: August 21, 2025



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1.0 Introduction

Burns & McDonnell Engineering Company, Inc. (Burns & McDonnell) was retained by NiSource to provide a wetland delineation and habitat assessment for the North Columbus High Pressure (NCHP) Big Walnut Creek Crossing Project (Project) located in Columbus, Franklin County, Ohio (Figure 1, Appendix A). The purpose of the field work was to document conditions and confirm the presence or absence of the environmental features (wetlands, waterbodies, potential habitat for Threatened and Endangered species). The following sections provide information on the proposed Project and summarizes the completed ecological field survey.

The Project consists of the installation of approximately 1,465 linear feet of steel 24 inch diameter pipeline via horizontal direction drill (HDD) under Big Walnut Creek to remediate pipeline integrity concerns. Construction activities are expected to begin October 1, 2025 and cease November 15, 2025. Work will span from north of Scotsfield Drive moving east until it reaches just south of the station off Cherry Bottom Road. Workspaces will include installation portions of the Project, equipment access, and other laydown/staging areas, as needed. The ecological survey included all Project related activity and potential workspaces encompassing approximately 12.5 acres (Survey Area).



2.0 Methods

The following discussions summarize the methods used for the review of existing data, wetland delineation, and habitat assessment.

2.1 Existing Data Review

Burns & McDonnell reviewed available background information for the Project prior to conducting a site visit. This available background information included the 2023 U.S. Geological Survey (USGS) 7.5 minute topographic maps (Northeast Columbus, Ohio quadrangles), U.S. Fish & Wildlife Service (USFWS) National Wetlands Inventory (NWI) maps, National Agriculture Imagery Program (NAIP) aerial photography (2022), USGS National Hydrography Dataset (NHD), Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NHFL), and U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) 2019 Soil Survey Geographic (SSURGO) digital data for Franklin County, Ohio. Figures 2 and 3 in Appendix A depict this data.

The presence of environmental resources based only on aerial, NWI, and NHD maps or other background information cannot be assumed to be an accurate assessment of the location and extent of jurisdictional resources and species habitat. Identification criteria differ between the USFWS, USGS, and the U.S. Army Corps of Engineers (USACE). As a result, wetlands, streams or other water resources shown on a NWI or NHD map may not be under the jurisdiction of the USACE, and all USACE-jurisdictional resources are not always included on NWI and NHD maps. Furthermore, potential species habitat cannot be identified without conducting a field visit. Therefore, a field visit was conducted to identify any environmental resources that may be present.

2.2 Wetland Delineation

A Burns & McDonnell wetland scientist completed a wetland delineation of the Survey Area on July 30th, and August 19th, 2025. The Survey Area included the areas where proposed Project activities would occur. The delineation was completed in accordance with the 1987 Corps of Engineers Wetlands Delineation Manual (1987 Manual) and the 2010 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region – Version 2.0 (Regional Supplement). If wetlands are identified within the Project, sample plots are established at multiple locations and Wetland Determination Data Forms from the Regional Supplement are completed to characterize the wetlands within the Survey Area. Vegetation, soil conditions, and hydrologic indicators are recorded at the sample plots. Locations of identified features were surveyed using a sub-meter-accurate global positioning system (GPS) unit. Photographs of all identified features were taken onsite and are included in Appendix B (Photographs 1 through 12).

2.3 Wetland Evaluation

Each delineated wetland within the Survey Area is assessed and assigned a category using the Ohio Rapid Assessment Method (ORAM) for Wetland Categorization. According to Ohio Administrative Code, Category 1 wetlands have minimal habitat and minimal hydrological and recreational functions. These wetlands do not provide critical habitat for threatened or endangered species. Category 2 wetlands have moderate wildlife habitat or hydrological or recreational functions. Category 2 wetlands are dominated by native vegetation but generally do not contain threatened or endangered species habitat. Category 3 wetlands have superior



habitat or hydrological or recreational functions. These wetlands often provide habitat for threatened or endangered species.

The State of Ohio affords different levels of protection to wetlands based on wetland quality. If wetlands are identified within the Project, the Quantitative Rating pages from the ORAM 10-page form for Wetland Categorization are completed and a preliminary ORAM score for each wetland within the Survey Area is determined.

2.4 Stream Evaluation

The Survey Area was inspected for streams and other Water of the United States (WOTUS). Streams are identified by the presence of a defined bed and bank and an ordinary high-water mark (OHWM). An assessment of habitat in flowing waters was performed for streams located within the Survey Area using the Ohio Environmental Protection Agency (Ohio EPA) Qualitative Habitat Evaluation Index (QHEI) or Headwater Habitat Evaluation Index (HHEI). The QHEI and HHEI Field Sheets are included in Appendix C.

2.5 Protected Species

In August 2025, the USFWS Information for Planning and Consultation (IPaC) report and the Ohio Department of Natural Resources (ODNR) County lists were researched for federal, and state protected species present within and near the Survey Area. Project initial review request letters were also sent to the USFWS and ODNR in August 2025. No response has been received to date from these Agencies. Please refer to Appendix D for the official IPaC and county lists.

A desktop and onsite habitat assessment was performed to identify potential habitat of federally and state-listed species within the Survey Area. A general bat habitat survey to identify potential roost habitat trees (i.e. trees larger than 3 inches in diameter breast height (dbh) that also displayed characteristics such as loose bark, hollows, sloughing, and crevasses) within forested habitat of the Survey Area was conducted. The Survey Area was also assessed for the presence of potential habitat that could support other listed species.



3.0 Results

The following sections describe the results of the existing data review, completed wetland delineation, and habitat assessment.

3.1 Existing Data Review

The existing USGS topographic maps were reviewed to familiarize Burns & McDonnell wetland personnel with the topography and potential locations of wetlands and other waterbodies (Appendix A, Figure 2). The USGS topographic maps indicate the Survey Area is mostly flat with some steeper slopes around the NHD stream. USFWS NWI data shows one riverine wetland which is associated with the USGS NHD stream that crosses the Survey Area. The stream is named Big Walnut Creek and has mapped FEMA 100-year floodplain, 500-year floodplain, and Floodways associated with the stream and are present in the Survey Area (Appendix A, Figure 3). Aerial imagery indicates the Survey Area consists of road right of way, residential areas with some maintained grass, and forest (Appendix A, Figures 3 and 4).

The NRCS SSURGO digital data indicates that portions of six soil map units are located in the Survey Area (Appendix A, Figure 3). One soil map unit (Pm) is a majority hydric at 94 percent hydric. Three of the soil map units (BeB, Crd1B1, WeA) are a low percentage hydric (2-7%). Soil map units identified within the Survey Area are listed below:

- AdE2: Alexandria silt loam, 18 to 25 percent slopes, eroded, non-hydric
- BeB: Bennington silt loam, 2 to 6 percent slopes, 6% hydric
- Crd1B1: Cardington silt loam, 2 to 6 percent slopes, 7% hydric
- Pm: Pewamo silty clay loam, low carbonate till, 0 to 2 percent slopes, 94% hydric
- Ut: Udorthents-Urban land complex, gently rolling, non-hydric
- WeA: Wea silt loam, 0 to 2 percent slopes, 2% hydric

3.2 Field Survey

On July 30th, and August 19th, 2025, a Burns & McDonnell wetland scientist and GIS specialist conducted a wetland delineation and protected species habitat assessment of the Survey Area and recorded the location and extent of features identified within the Survey Area. Upland habitat within the Survey Area consists primarily of maintained roadside, residential urban areas, and forested areas. Typical vegetation within this upland maintained habitat consists of Kentucky bluegrass (*Poa pratensis*). The forested habitat consisted of mostly honeysuckle (*Lonicera maackii*), black walnut (*Juglans nigra*), eastern cottonwood (*Populus deltoides*), and goldenrod (*Solidago canadensis*).

3.3 Delineated Areas

Two streams were identified within the Survey Area during the delineation effort. The location of identified resources is shown in Appendix A (Figure 4). The USACE's antecedent precipitation tool (APT) was used to determine if rainfall was within a normal range preceding and during the delineation (Appendix E). The APT indicated that the area was experiencing incipient drought conditions when considering long term trends but was still categorized as having wetter than normal conditions at the time of the July 30th investigation. The area was experiencing mild wetness for the dry season when considering longer term trends, but conditions were still categorized as normal at the time of the August 19th, 2025 investigation. The 30-day rolling rainfall



total was about an inch above the 30-year normal range for rainfall on July 30th and slightly below the average on August 19th, 2025.

3.3.1 Streams

Table 1 provides the size and type of each stream delineated within the Survey Area.

Length Within Stream ID/Name Stream Type^a Width (Feet) **HHEI Score QHEI Score** Survey Area (Feet) S02/ Big Walnut Perennial-79.5 N/A 218 120 Creek RPW/ Perennial-309 5 N/A 60 S03 **RWP**

Table 1: Streams Delineated Within the Survey Area

S02, or Big Walnut Creek, is a relatively permanent perennial stream (Appendix C, Photographs 1 and 2). A total of 218 feet of S02 was delineated within the Survey Area. S02 was approximately 120.0 feet wide, had a bank height of 6.0 feet, and a depth to OHWM of 4.0 feet. It achieved a QHEI score of 79.5. Using professional judgement, S02 flows offsite to the south into the Scioto River and should be considered jurisdictional and a WOTUS.

S03 is an unnamed relatively permanent perennial stream (Appendix C, Photographs 3 and 4). A total of 309 feet of S03 was delineated within the Survey Area. S03 was approximately 5.0 feet wide, had a bank height of 2.0 feet, and a depth to OHWM of 0.5 feet. It achieved a HHEI score of 60. Using professional judgement, S03 flows offsite to the east into Big Walnut Creek and should be considered jurisdictional and a WOTUS.

3.4 Protected Species

The USFWS IPaC report and the ODNR County lists (Appendix E) were researched for federal and state protected species present within and near the Survey Area. Project initial review request letters were also sent to the USFWS and ODNR in August 2025. No response has been received to date from these Agencies. State-listed plant species with records 25 years old or greater are not included as part of this discussion as such old species records are assumed to no longer exist. Listed species, and the designation of their listing, are identified in Table 2, below. If available, habitat types for the respective species are also listed in Table 2. No Critical Habitat for the species below was identified during the IPaC search.

If in-stream work is anticipated within Big Walnut Creek, coordination with regulatory agencies will be necessary due to the potential presence of federally and state-listed freshwater mussels. The stream provides suitable habitat with proper substrates and flowing water, for several sensitive mussel species, including the federally endangered Clubshell (*Pleurobema clava*), Northern Riffleshell (*Epioblasma rangiana*), and Rayed Bean (*Villosa fabalis*), along with multiple state-listed species. Consultation with the USFWS will be conducted to ensure the minimization of impacts to aquatic resources.

The entire state of Ohio is within range of the Indiana bat (*Myotis sodalis*), the northern long-eared bat (*Myotis septentrionalis*), Little Brown Bat (*Myotis lucifugus*) and the tri-colored bat (*Perimyotis subflavus*). Trees with loose, shaggy bark or crevices, holes, or cavities, along with trees with a diameter-at-breast-height (dbh) of



a - RPW = Relatively Permanent Water = tributaries that have flowing or standing water year-round or continuously during certain times of year.

20 or more should be conserved if possible. Two potential roost trees (TE01 and TE02) were identified within the forested portions of the Survey Area during the onsite habitat assessment (Appendix B, Photographs 5 and 6). These trees had characteristics suitable for roosting such as cracks, crevices, and exfoliating bark. Although a species-specific survey was not conducted, no bats were observed while on-site. The potential roost trees are outside tree clearing areas and will be avoided during construction.

Burns & McDonnell performed a desktop review for potential hibernacula within the vicinity of the Project. The ODNR Division of Geological Survey Karst and Mine maps of Ohio did not identify any karst features or mines within the Project. No mines are located near the Project. The closest karst feature is located approximately 5.25 miles northeast of the Project.

Table 1: Threatened and Endangered Species with Potential to be Within the Survey Area

Species	Status ^a	Habitat Type	Habitat Observed During Site Visit
Mammals			
Indiana Bat (Myotis sodalis)	FE, SE	Winter hibernacula includes caves or abandoned mines. Summer roosting habitat includes wooded areas containing dead or dying trees or living trees that have cracks, crevices, and/or exfoliating bark and a diameter-at-breast-height (dbh) of 5 inches or greater. Tend to forage within forest or along forest edges.	Yes
Northern Long- eared Bat (<i>Myotis</i> septentrionalis)	FE, SE	Winter hibernacula includes caves or abandoned mines. Summer roosting habitat includes wooded areas containing dead or dying trees or living trees that have cracks, crevices, and/or exfoliating bark and a diameter-at-breast-height (dbh) of 5 inches or greater. Tend to forage within forest or along forest edges.	Yes
Tricolored Bat (<i>Perimyotis</i> subflavus)	PE, SE	This bat roosts in live and dead leaf clusters. Winter hibernacula includes caves or abandoned mines, culverts, and abandoned water wells. Tend to forage in forests or along forest edges.	Yes
Little Brown Bat (Myotis lucifugus)	SE	This bat roosts in live and dead leaf clusters. Winter hibernacula includes caves or abandoned mines, culverts, and abandoned water wells. Tend to forage in forests or along forest edges.	Yes
Bird			
Sandhill Crane (Antigone canadensis)	ST	Primarily breeds, migrates, winters, and forages in various wetland habitats. Habitats also include open grasslands such as harvested agriculture fields and marshy meadows.	No
Upland Sandpiper (Bartramia longicauda)	SE	Grasslands, including grazed and ungrazed pastures, and agricultural fields such as fallow and hay fields.	No
American Bittern (Botaurus lentiginosus)	SE	Freshwater and brackish marshes and swamps.	No
Lark Sparrow (Chondestes grammacus)	SE	Open grassy habitats with scattered trees and shrubs including orchards, fallow fields, open woodlands, mesquite grasslands, savanna, sagebrush steppe, and grasslands.	No



Species	Status	Habitat Type	Habitat Observed During Site Visit
Least Bittern (Ixobrychus exilis)	ST	Freshwater or brackish marshes with tall grasses, cattails, and reeds. Winter in areas saltwater, brackish and freshwater wetlands.	No
Barn Owl (Tyto furcata)	ST	Open areas, forest edges, clearings, farmland, and cities. Hunting habitats are predominantly open landscapes.	No
Fish			
Lake Chubsucker (Erimyzon sucetta)	ST	Natural lakes, sluggish streams, along with marshes with dense aquatic vegetation and clear waters.	No
Iowa Darter (Etheostoma exile)	SE	Clean, clear, slow-moving waters such as lakes, ponds, and the backwaters of streams and rivers with vegetation.	No
Spotted Darter (Etheostoma maculatum)	SE	Found in the basin of the Ohio River and inhabits fast-flowing rocky riffles of medium-sized and smaller rivers, where there are many very large boulders or flat slabs of rock.	No
Shortnose Gar (Lepisosteus platostomus)	SE	Lakes, swamps, and the calm pools and backwaters of creeks and rivers.	No
Blacknose Shiner (Notropis heterolepis)	SE	Cool weedy creeks, small rivers, and lakes over sand.	No
Paddlefish (Polyodon spathula)	ST	Slow-moving, large, deep freshwater rivers and reservoirs.	No
Reptile			
Smooth Greensnake (Opheodrys vernalis)	SE	Lightly forested habitats, such as peat lands, pastures, bogs, marsh edges, and wet meadows.	No
Invertebrate			
Clubshell (Pleurobema clava)	FE, SE	Restricted mainly to headwater stretches of streams and small rivers. Prefers clean, loose sand and gravel.	Yes
Northern Riffleshell (Epioblasma rangiana)	FE, SE	Found in a variety of streams with firmly packed sand or gravel.	Yes
Rayed Bean (Villosa fabalis)	FE, SE	Smaller, headwater creeks, but it is sometimes found in large rivers and wave-washed areas of glacial lakes. Prefers gravel or sand substrates.	Yes
Salamander Mussel (Simpsonaias ambigua)	PE, ST	Requires habitat conditions that support mudpuppy (<i>Necturus maculosus</i>) populations, including clean, clear, flowing water, flat rocks and bedrock that provide crevice for shelter	Yes
Slippershell Mussel (Alasmidonta viridis)	ST	Headwaters, including intermittent creeks.	Yes
Elephant-ear (Elliptio crassidens)	SE	Strictly limited to big rivers, mainly Ohio River, in stable cobble and sand.	Yes



Species	Status	Habitat Type	Habitat Observed During Site Visit
Snuffbox (Epioblasma triquetra)	SE	Small- to medium-sized creeks, inhabiting areas with a swift current, although it is also found in Lake Erie and some larger rivers. Adults often burrow deep in sand, gravel, or cobble substrates, except when they are spawning.	Yes
Pocketbook (Lampsilis ovata)	SE	Rivers and large creeks in stable sand and coble, although prefers a mix of gravel and sand with some silt or mud. Usually in moderately strong currents but can also exist in still water.	Yes
Washboard (Megalonaias nervosa)	SE	Inhabits small to large rivers, usually with slow currents and muddy to coarse gravel substrates.	Yes
Round Hickorynut (<i>Obovaria</i> subrotunda)	ST	From large rivers to small streams with moderate flow, along with lakes, with sand, gravel, and cobble substrates.	Yes
Rabbitsfoot (Theliderma cylindrica)	SE	Small to medium sized streams and some larger rivers. It occurs in shallow water areas along the bank and in shoals with reduced water velocity.	Yes
Pondhorn (Uniomerus tetralasmus)	ST	Quiet or slow-moving, shallow waters. Tolerant of poor water conditions. Sometimes found buried in fine silt and/or mud substrate.	Yes
Insects			
Monarch Butterfly (Danaus plexippus)	PT	Milkweed and flowering plants in a variety of habitats. Adults roost in trees near water, such as maple and conifers in the northern USA, and pecan and oak trees in the southern USA.	No
Stygian Shadowdragon (Neurocordulia yamaskanensis)	SE	Nymphs are found living in stream beds and utilize the nearby rocks and trees for emergence from exoskeletons before taking flight.	No
Plants			
Gattinger's-foxglove (Agalinis gattingeri)	ST	Dry roadsides, open woodlands, forest margins, mesic prairies, exposed ridges, and outcrops	No
Spreading Rock Cress (Arabis patens)	SE	Moist rocky woods, limestone outcrops, and shady riverbanks.	No
Cypress-knee Sedge (Carex decomposita)	SE	Very wet depressions in mixed swamp forests, most frequently on hummocks, exposed logs and peaty mounds. Found to be highly associated with buttonbush.	No
Showy Goldenrod (Solidago speciosa)	ST	Found in dry and sandy grasslands and fields, along with limestone barrens, oak savannas, open woods, and road embankments.	No

⁽a) FE = Federally Endangered, FT = Federally Threatened, SE = State Endangered, ST = State Threatened, PE = Proposed Endangered (Federal), PT= Proposed Threatened (Federal).



Source: Ohio DNR State Listed Species by County Report for Franklin County, accessed August 18, 2025; USFWS ECOS Species by County Report for Franklin, Ohio, accessed August 18, 2025.

4.0 Summary

Burns & McDonnell conducted a wetland delineation and onsite habitat assessment within the Survey Area to identify protected species habitat, wetlands, and other waterbodies. Two perennial streams were identified within the Survey Area.

Coordination with USFWS and ODNR has been initiated in August 2025. Two potential roost trees were identified in the Survey Area. These trees exhibited cracks, crevices, and/or exfoliating bark. These trees will be shown on engineering drawings and avoided during construction. If tree clearing activities cannot be conducted during the October 1st and March 31st window to avoid impacts to bats additional agency coordination is necessary. Furthermore, if tree clearing activities are required during the summer it is possible that the USFWS could request additional surveys. If proposed impacts change further coordination may be necessary.

In-stream work within Big Walnut Creek may impact habitat for several state and federally listed freshwater mussel species. In August 2025 a mussel survey and relocation was conducted in the affected portion of Big Walnut Creek (Permit Numbers ESPER0039255-1 (Schwegman) and ESPSR9968385-0 (Lawlis)). No known Threatened and Endangered species were detected within the survey or salvage areas. With the preferred method of HDD under Big Walnut Creek there will be no impacts to listed mussel species. If impacts to these streams are proposed further agency coordination may be required.

The USACE – Huntington District and the Ohio EPA regulate impacts to WOTUS and waters of the State (WOS), including wetlands and streams. If temporary or permanent fill will be placed in jurisdictional wetlands or streams that exceed 0.1 acre of impact, a Pre-Construction Notification will need to be submitted to the USACE Huntington District to receive coverage under Nationwide Permit 12 (NWP). General conditions of NWP 12 must be followed even if impacts are temporary or less than 0.1 acre. If impacts to WOS are proposed, then additional state permitting may be required.

On November 15, 2023, the U.S. Environmental Protection Agency and the USACE issued an update to the revised rules relevant for implementing either the 2023 rule or the pre-2015 regulatory regime. Based on this document, the USACE will use the "Relatively Permanent Standard" for determining if a tributary is jurisdictional. Relatively permanent waters (RPW) include tributaries that have flow or standing water year-round or continuously during certain times of year. RPWs do not include tributaries with flow or standing water for only a short duration in direct response to precipitation. "Direct response to precipitation" is intended to distinguish between episodic periods of flow associated with discrete precipitation events versus continuous flow for extended periods of time. With the new guidance, the USACE may no longer use the term "ephemeral streams". However, ephemeral streams are those tributaries that flow for short durations as a direct response to rain events and as such, based on the current guidance, are not RPWs.

On March 12, 2025, new regulation clarified that wetlands must have a direct, continuous surface connection to a larger body of water to qualify for federal protection. This emphasizes that wetlands are only regulated if they abut or touch another regulated waterbody. The new regulation excludes certain wetlands separated by natural barriers or those that only connect during seasonal flooding from being a WOTUS.

A USACE jurisdictional determination is recommended if wetland and stream impacts will occur to verify jurisdictional status and boundaries. If there are proposed impacts to regulated features, a non-

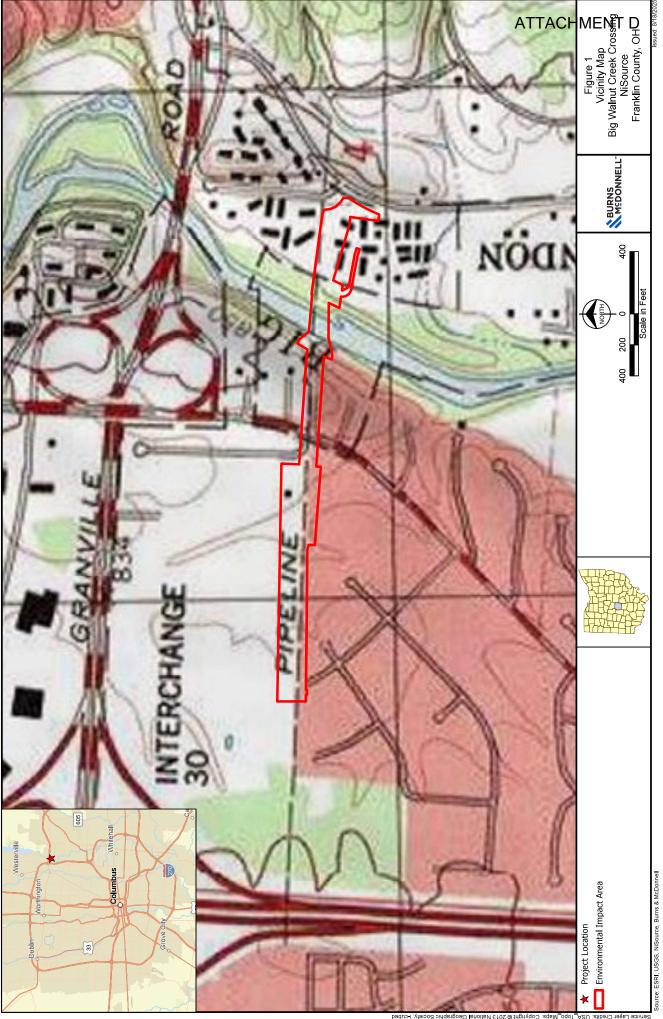


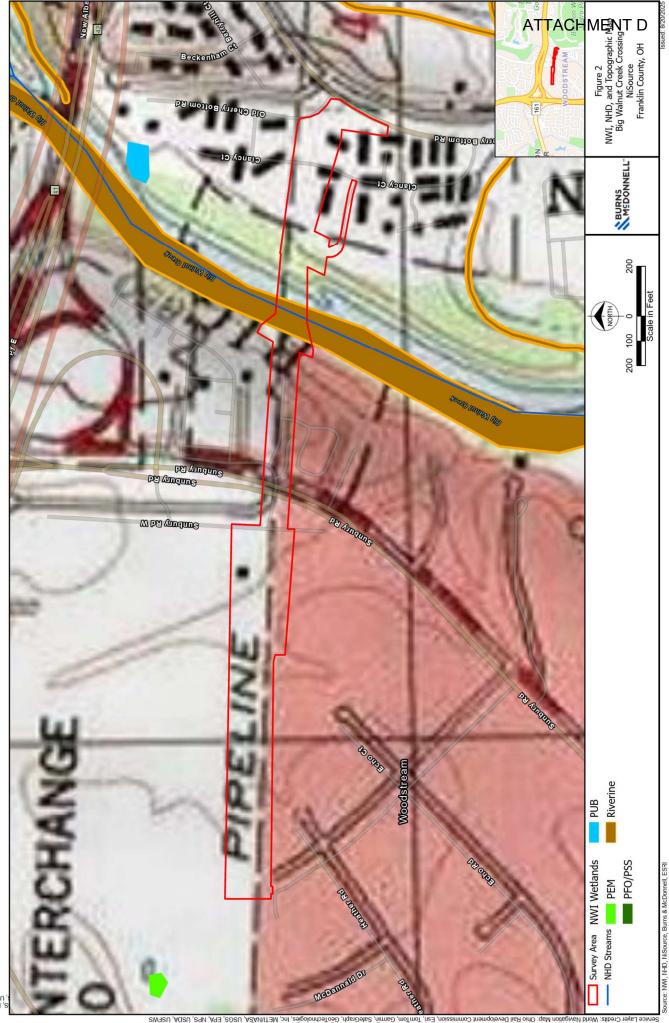
notifying/self-certifying memo will be created to document any Project impacts below permitting thresholds and provide guidance on environmental compliance with the Clean Water Act. This package is for internal documentation purposes only and does not include agency submittal or review.

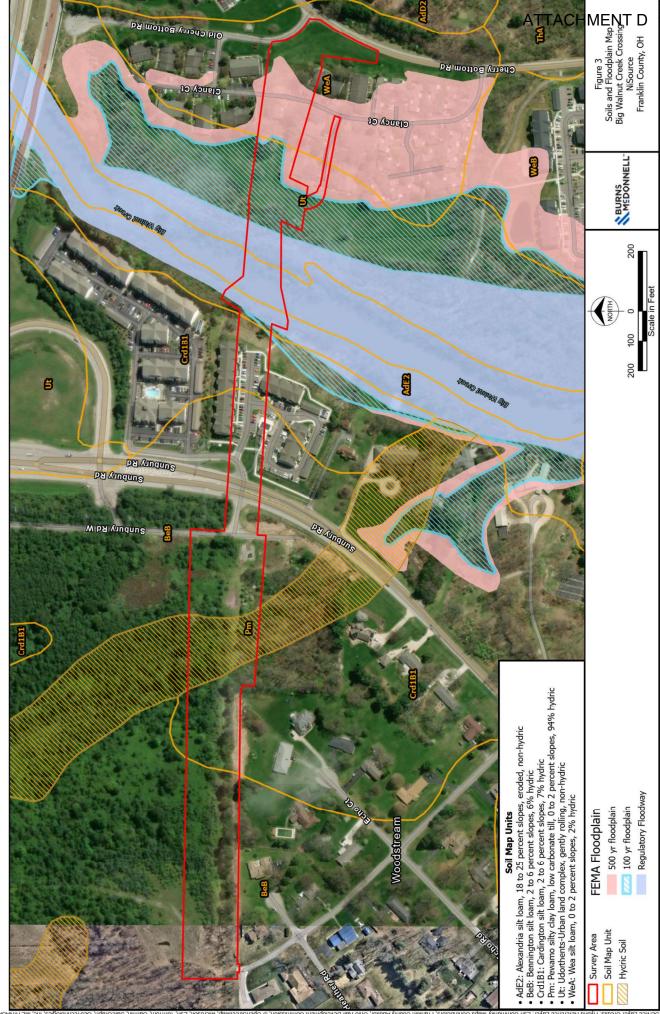


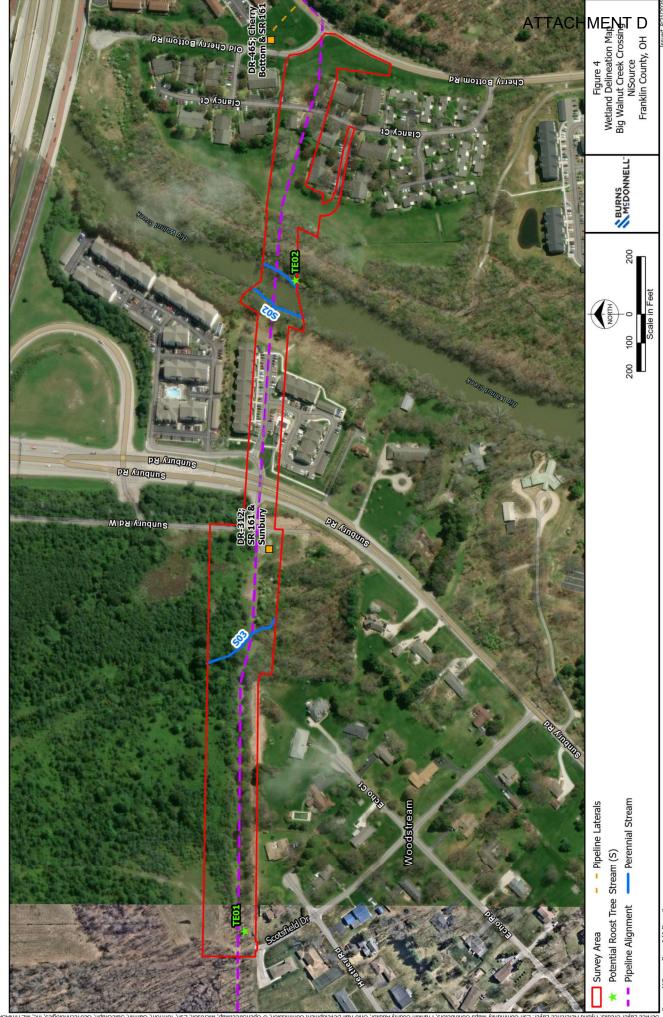
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Appendix A – Figures











Appendix B – Photolog



Photo 1: View upstream of perennial stream (S)02 Big Walnut Creek, facing north.



Photo 2: View downstream of perennial S02 Big Walnut Creek, facing south.

NiSource NCHP Big Walnut Creek Crossing Project



Site Photographs July 30th and August 19th, 2025 Franklin County, OH



Photo 3: View upstream of perennial S03, facing northwest.



Photo 4: View downstream of perennial S03, facing southeast.





Photo 5: View of potential roost tree TE01, facing south.



Photo 6: View of potential roost tree TE02, facing east.





Photo 7: View of representative existing station on Sunbury Road, facing west.



Photo 8: View of representative pipeline right of way, facing west.





Photo 9: View of representative road right of way on Scotsfield Drive, facing south.



Photo 10: View of representative access area, facing south.



Photo 11: View of representative tree line, facing east.



Photo 12: View of representative maintained grass off Cherry Bottom Drive, facing southeast.

NiSource NCHP Big Walnut Creek Crossing Project



Site Photographs July 30th and August 19th, 2025 Franklin County, OH





Chieff

EPA 4520

Qualitative Habitat Evaluation Index and Use Assessment Field Sheet

OHEI Score: 79.5

06/16/06

and OSC ASSOCIATION FROM STREET
Stream & Location: COZ Big walnut Creek RM: Date: 07/30/06
Scorers Full Name & Affiliation: Sen Squre & MCD
River Code: _ = _ STORE I #: Lat. / Long 18 location \
1] SUBSTRATE Check ONLY Two substrate TYPE BOXES; estimate % or note every type present BEST TYPES POOL RIFFLE HARDPAN [4] BUD COBBLE [8] GRAVEL [7] SAND [6] BEDROCK [5] NUMBER OF BEST TYPES: 4 or more [2] sludge from point-sources) Check ONE (Or 2 & average) ORIGIN ORIGIN ULIMESTONE [1] TILLS [1] WETLANDS [0] HARDPAN [0] SANDSTONE [0] RIP/RAP [0] RIP/RAP [0] SANDSTONE [1] MODERATE [-1] MODERATE [-1] MAXIMUM 20 MAXIMUM 20 MAXIMUM 20 MAXIMUM 20 COAL FINES [-2]
2] //STREAM 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. UNDERCUT BANKS [1]
3] CHANNEL MORPHOLOGY Check ONE in each category (Or 2 & average) SINUOSITY DEVELOPMENT CHANNELIZATION STABILITY HIGH [4] EXCELLENT [7] NONE [6] HIGH [3] MODERATE [3] GOOD [5] RECOVERED [4] MODERATE [2] LOW [2] FAIR [3] RECOVERING [3] LOW [1] NONE [1] POOR [1] 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 ROSION WIDE > 50m [4] SHRUB OR OLD FIELD [2] SHRUB OR OLD FIELD [2] SHRUB OR OLD FIELD [2] SHRUB OR OLD FIELD [1] SHRUB OR OLD FIELD [2] SHRUB OR OLD FIELD [1] SHRUB OR OLD FIELD [2] SHRUB OR OLD FIELD [1] SHRUB OR OLD
Secondary Contact
Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: Check ONE (Or 2 & average). RIFFLE DEPTH BEST AREAS > 10cm [2] BEST AREAS 5-10cm [1] BEST AREAS 5-10cm [1] BEST AREAS < 5cm [metric=0] Comments Check ONE (Or 2 & average). RIFFLE / RUN SUBSTRATE RIFFLE / RUN EMBEDDEDNESS AMAXIMUM > 50cm [2] STABLE (e.g., Cobble, Boulder) [2] MAXIMUM < 50cm [1] MOD. STABLE (e.g., Large Gravel) [1] UNSTABLE (e.g., Fine Gravel, Sand) [0] RIFFLE [metric=0] RIFFLE
6] GRADIENT (は.87ft/mi)

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			V. C. Janny.	that apply STAGE St-sample pass-2nd HIGH UP NORMAL LOW DRY -sample pass-2nd 40-70 cm 70 cm/ CTB SECCHI DEPTH 1st cm 2nd C/ RECRE
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				FI MEASUREMENTS \overline{\text{x}} width \overline{\text{x}} depth max. depth \overline{\text{x}} bankfull \overline{\text{x}} depth bankfull \overline{\text{x}} depth WID ratio bankfull max. depth floodprone x² width entrench. ratio Legacy Tree:

Severe (10 ft/100 ft)

hio Ohio Environmental Protection Agency	Headwate	r Habitat Eva	aluation Inde HHEI Score (s	x Field Form sum of metrics 1+2+3)	60
LENGTH OF STREAM DATE <u>7/ みの/とら</u> OTE: Complete All	RIVER BASIN REACH (ft) CS2 I SCORER BC \(\sigma \) Su Items On This Form -	_AT। ५၉ ० COMMENTS Refer to "Headwate	LONGer Habitat Evaluation	DRAINAGE AREA (mi²) RIVER MILE n Index Field Manual" for Ins	tructions
1. SUBSTRATE (Max of 32). A TYPE BLDR SLA BOULDEF BEDROCI COBBLE GRAVEL SAND (<2	(Estimate percent of eve dd total number of significa PEF ABS [16 pts] R (>256 mm) [16 pts]	ery type present). Checant substrate types four TYPE	ck ONLY two predomin nd (Max of 8). Final me SILT [3 pt] LEAF PACK/WOODY FINE DETRITUS [3 pt CLAY or HARDPAN [6 MUCK [0 pts] ARTIFICIAL [3 pts]	ant substrate TYPE boxes. tric score is sum of boxes A & B PERCENT 2 S DEBRIS [3 pts]	HHEI Metric Points Substrat Max = 40 25 A + B
time of evalua > 30 centimete > 22.5 - 30 cm > 10 - 22.5 cm	ation. Avoid plunge pools fi ers [20 pts] [30 pts] [25 pts]	rom road culverts or sto	orm water pipes) (C 5 cm - 10 cm [15 pt < 5 cm [5pts] NO WATER OR MO	IST CHANNEL [0pts]	Pool Dep Max = 30
> 4.0 meters (> 3.0 m - 4.0 m	WIDTH (Measured as the	e average of 3 - 4 meas	surements) (Check > 1.0 m - 1.5 m (> 3' ≤ 1.0 m (≤ 3' 3") [5 p	ONLY one box): 3" - 4' 8")[15 pts]	Bankfu Width Max=30
	RIAN ZONE AND FLOOD		must also be complet		*
L R (ARIAN WIDTH Per Bank) de >10m derate 5-10m rrow <5m ne	FLOODPLA L R Mature Fore Immature F Residential Fenced Pas	IN QUALITY (Most Predest, Wetland Forest, Shrub or Old Fie , Park, New Field sture	dominant per Bank) L R Conservation Tillage	Crop
Strear Subsu COM	V REGIME (At Time of Even in Flowing rface flow with isolated poor MENTS	ols (interstitial)	Moist Chann Dry channel,	el, isolated pools, no flow (intermitino water (ephemeral) ne box): 3.0 >3	cent)

Page 1

Moderate (2 ft/100 ft)

Flat (0.5 ft/100 ft)

STREAM GRADIENT ESTIMATE

☐ Flat to Moderate

ADDITIONAL STREAM INFORMATION (This Information Must Also be Completed): QHEI PERFORMED? Yes No QHEI Score (If Yes, Attach Completed QHEI form) DOWNSTREAM DESIGNATED USE(S) ☐ WWH Name: Distance from Evaluated Stream CWH Name: _____ Distance from Evaluated Stream ☐ EWH Name: Distance from Evaluated Stream ___ MAPPING: ATTACH COPIES OF MAPS, INCLUDING THE ENTIRE WATERSHED AREA. CLEARLY MARK THE SITE LOCATION. _____ NRCS Soil Map Page: _____ NRCS Soil Map Stream Order: ____ _____ Township/City: ____ County:_ **MISCELLANEOUS** Base Flow Conditions? (Y/N):_____ Date of last precipitation: _____ Quantity: ____ Photo-documentation Notes:___ Elevated Turbidity?(Y/N): _____ Canopy (% open): ___ Were samples collected for water chemistry? (Y/N): _____ Lab Sample # or ID (attach results): _____ Field Measures: Temp (°C) _____ Dissolved Oxygen (mg/l) ____ pH (S.U.) ____ Conductivity (umhos/cm)____ Is the sampling reach representative of the stream (Y/N) _____ If not, explain: ______ Additional comments/description of pollution impacts: **BIOLOGICAL OBSERVATIONS** (Record all observations below) Fish Observed? (Y/N) _____ Species observed (if known):___ Frogs or Tadpoles Observed? (Y/N) _____ Species observed (if known): _____ Salamanders Observed? (Y/N) _____ Species observed (if known): ___ Aquatic Macroinvertebrates Observed? (Y/N) _____ Species observed (if known):____ Comments Regarding Biology: DRAWING AND NARRATIVE DESCRIPTION OF STREAM REACH (This must be completed) Include important landmarks and other features of interest for site evaluation and a narrative description of the stream's location weeling minnowe

May 2020 Revision Pag

	ATTACHMENT D
Appendix D - Agency Correspondence and Spe	ecies Lists
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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: 08/18/2025 19:19:16 UTC

Project Code: 2025-0137317

Project Name: Big Walnut Creek Crossing

Subject: List of threatened and endangered species that may occur in your proposed project

location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological



evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see https://www.fws.gov/program/migratory-bird-permit/what-we-do.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Requests for additional technical assistance or consultation from the Ohio Field Office should be submitted following guidance on the following page https://www.fws.gov/office/ohio-ecological-services/request-project-review. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.



Attachment(s):

Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Ohio Ecological Services Field Office 4625 Morse Road, Suite 104 Columbus, OH 43230-8355 (614) 416-8993



PROJECT SUMMARY

Project Code: 2025-0137317

Project Name: Big Walnut Creek Crossing

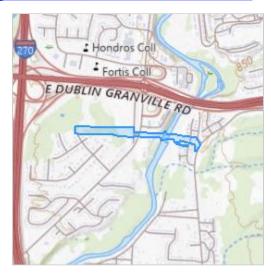
Project Type: Pipeline - Onshore - Maintenance / Modification - Below Ground Project Description: Emergency installation of a new section of pipeline under Big Walnut

Creek via HDD to address an anomaly located under Big Walnut Creek. The anomaly was discovered during an in-line-inspection of one of our pipelines and requires immediate attention. HDD will reduce the impact to Big Walnut Creek and the adjacent floodway and floodplain but open

trenching will be utilized if HDD is not possible.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@40.0778965,-82.89188550235696,14z



Counties: Franklin County, Ohio



ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.



MAMMALS

NAME STATUS

Indiana Bat *Myotis sodalis*

Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

Species profile: https://ecos.fws.gov/ecp/species/5949

Northern Long-eared Bat Myotis septentrionalis

No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045

Endangered

CLAMS

NAME **STATUS**

Rayed Bean Villosa fabalis

Endangered

There is **proposed** critical habitat for this species. Your location does not overlap the critical

habitat.

Species profile: https://ecos.fws.gov/ecp/species/5862

Round Hickorynut *Obovaria subrotunda*

Threatened

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

Species profile: https://ecos.fws.gov/ecp/species/9879

Salamander Mussel Simpsonaias ambigua

Proposed

There is **proposed** critical habitat for this species. Your location does not overlap the critical

habitat.

Species profile: https://ecos.fws.gov/ecp/species/6208

Endangered

INSECTS

STATUS NAME

Monarch Butterfly *Danaus plexippus*

Proposed

There is **proposed** critical habitat for this species. Your location does not overlap the critical

Threatened

habitat.

Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.



IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Antonio Hornstein
Address: 530 W Spring St

Address Line 2: Ste 100 City: Columbus

State: OH Zip: 43215

Email alhornstein1@gmail.com

Phone: 3096425009

	Franklin County State	Listed Pla	ant Species	ATTACHMENT D
Common Name	Scientific Name	Last Observed	Category	State Federal Status Status
American Sweet-flag	Acorus americanus	1989	Vascular Plant	Р
Gattinger's-foxglove	Agalinis gattingeri	2017	Vascular Plant	Т
Spreading Rock Cress	Arabis patens	2022	Vascular Plant	Е
Southern Hairy Rock Cress	Arabis pycnocarpa var. adpressipilis	2023	Vascular Plant	Р
Prairie False Indigo	Baptisia lactea	2017	Vascular Plant	Р
Prairie Brome	Bromus kalmii	2019	Vascular Plant	Р
Cypress-knee Sedge	Carex decomposita	2006	Vascular Plant	Е
Tall Larkspur	Delphinium exaltatum	2008	Vascular Plant	Р
One-sided Rush	Juncus secundus	2012	Vascular Plant	Р
Scaly Blazing-star	Liatris squarrosa	2019	Vascular Plant	Р
Showy Goldenrod	Solidago speciosa	2019	Vascular Plant	Т
Arbor Vitae	Thuja occidentalis	2001	Vascular Plant	Р

Data from the Ohio Natural Heritage Database Species reported extant in county since 1980 6/21/2023 Status:

X = Extirpated

E = Endangered T = Threatened P = Potentially Threatened U = Undetermined

Endangered U = Undeterm





Absence of a species on this list does not indicate absence from the county. The information contained in this list does not represent coordination with ODNR or fulfill NEPA or other federal/state requirements.

Common Name	Scientific Name	Last Observed	Category	ATTACHMENTeDI Status Status
Three-birds Orchid	Triphora trianthophoros	1981	Vascular Plant	Р
Rock Elm	Ulmus thomasii	2010	Vascular Plant	Р

Data from the Ohio Natural Heritage Database Species reported extant in county since 1980 6/21/2023 Status:

X = Extirpated

E = Endangered

T = Threatened

P = Potentially Threatened

U = Undetermined





Absence of a species on this list does not indicate absence from the county. The information contained in this list does not represent coordination with ODNR or fulfill NEPA or other federal/state requirements.

ATTACHMENT D

Franklin County State Listed Animal Species

Common Name	Scientific Name	Group	State Status	Federal Status
Blanchard's Cricket Frog	Acris blanchardi	Amphibian	Species of Concern	
Green-winged Teal	Anas crecca	Bird	Special Interest	
Sandhill Crane	Antigone canadensis	Bird	Threatened	
Great Egret	Ardea alba	Bird	Species of Concern	
Upland Sandpiper	Bartramia longicauda	Bird	Endangered	
American Bittern	Botaurus lentiginosus	Bird	Endangered	
Lark Sparrow	Chondestes grammacus	Bird	Endangered	
Least Bittern	Ixobrychus exilis	Bird	Threatened	
Yellow-crowned Night-heron	Nyctanassa violacea	Bird	Special Interest	
Prothonotary Warbler	Protonotaria citrea	Bird	Species of Concern	
Barn Owl	Tyto alba	Bird	Threatened	
Golden-winged Warbler	Vermivora chrysoptera	Bird	Special Interest	
Lyre-tipped Spreadwing	Lestes unguiculatus	Damselfly	Species of Concern	
Eastern Ringtail	Erpetogomphus designatus	Dragonfly	Species of Concern	



Data from the Ohio Natural Heritage Database Species reported extant in county since 1980 6/23/2023



Common Name	Scientific Name	Group	State Status	ATTACHMENT\D
Stygian Shadowdragon	Neurocordulia yamaskanensis	Dragonfly	Endangered	
Lake Chubsucker	Erimyzon sucetta	Fish	Threatened	
Muskellunge	Esox masquinongy	Fish	Species of Concern	
Iowa Darter	Etheostoma exile	Fish	Endangered	
Spotted Darter	Etheostoma maculatum	Fish	Endangered	
Tippecanoe Darter	Etheostoma tippecanoe	Fish	Species of Concern	
Shortnose Gar	Lepisosteus platostomus	Fish	Endangered	
Blacknose Shiner	Notropis heterolepis	Fish	Endangered	
Paddlefish	Polyodon spathula	Fish	Threatened	
Deer Mouse	Peromyscus maniculatus	Mammal	Species of Concern	
American Badger	Taxidea taxus	Mammal	Species of Concern	
Elktoe	Alasmidonta marginata	Mollusk	Species of Concern	
Slippershell Mussel	Alasmidonta viridis	Mollusk	Threatened	
Purple Wartyback	Cyclonaias tuberculata	Mollusk	Species of Concern	
Elephant-ear	Elliptio crassidens	Mollusk	Endangered	
Northern Riffleshell	Epioblasma rangiana	Mollusk	Endangered	Endangered



Data from the Ohio Natural Heritage Database Species reported extant in county since 1980 6/23/2023



Common Name	Scientific Name	Group	State Status	ATTAGHMENT®
Snuffbox	Epioblasma triquetra	Mollusk	Endangered	Endangered
Wavy-rayed Lampmussel	Lampsilis fasciola	Mollusk	Species of Concern	
Pocketbook	Lampsilis ovata	Mollusk	Endangered	
Creek Heelsplitter	Lasmigona compressa	Mollusk	Species of Concern	
Black Sandshell	Ligumia recta	Mollusk	Species of Concern	
Washboard	Megalonaias nervosa	Mollusk	Endangered	
Threehorn Wartyback	Obliquaria reflexa	Mollusk	Species of Concern	
Round Hickorynut	Obovaria subrotunda	Mollusk	Threatened	
Clubshell	Pleurobema clava	Mollusk	Endangered	Endangered
Round Pigtoe	Pleurobema sintoxia	Mollusk	Species of Concern	
Kidneyshell	Ptychobranchus fasciolaris	Mollusk	Species of Concern	
Salamander Mussel	Simpsonaias ambigua	Mollusk	Threatened	
Rabbitsfoot	Theliderma cylindrica	Mollusk	Endangered	Threatened
Fawnsfoot	Truncilla donaciformis	Mollusk	Species of Concern	
Deertoe	Truncilla truncata	Mollusk	Species of Concern	
Pondhorn	Uniomerus tetralasmus	Mollusk	Threatened	



Data from the Ohio Natural Heritage Database Species reported extant in county since 1980 6/23/2023



Common Name	Scientific Name	Group	State Status	ATTAGHMENT:D
Rayed Bean	Villosa fabalis	Mollusk	Endangered	Endangered
Rainbow	Villosa iris	Mollusk	Species of Concert	n
Smooth Greensnake	Opheodrys vernalis	Reptile	Endangered	
Queensnake	Regina septemvittata	Reptile	Species of Concer	n



Data from the Ohio Natural Heritage Database Species reported extant in county since 1980 6/23/2023





8/20/2025

Attention: Jeromy Applegate U.S. Fish and Wildlife Service 4265 Morse Road, Suite 104 Columbus, OH 43230

Re: Project Review Request, Big Walnut Creek Crossing

IPAC #: 2025-0137317 Franklin County, Ohio

Dear Mr. Applegate,

NiSource is formally requesting that the U.S. Fish and Wildlife Service (USFWS) complete an environmental review for the proposed North Columbus High Pressure Pipeline(NCHP) Big Walnut Creek Crossing emergency dent repair located in Franklin County, Ohio (Figure 1). The Project is within the City of Columbus. The Big Walnut Creek Crossing project includes the emergency installation of a new section of pipeline under Big Walnut Creek to address an anomaly discovered during an in-line inspection of an existing pipeline. Horizontal directional drilling (HDD) is the preferred method of installation to reduce potential impacts to Big Walnut Creek and the adjacent floodplain. In the event that HDD method cannot be utilized, the new section will be installed via open trench. In August 2025 a mussel survey and relocation was conducted in the affected portion of Big Walnut Creek (Permit Numbers ESPER0039255-1 (Schwegman) and ESPSR9968385-0 (Lawlis)). No known Threatened and Endangered species were detected within the survey or salvage areas. The environmental impact area was surveyed for potentially suitable bat habitat on August 19, 2025. Two trees were identified as having characteristics suitable for roosting such as cracks, crevices, and/or exfoliating bark. The two trees are to be shown in engineering drawings and avoided during construction. An estimated total of 1.26 acres of tree clearing is likely to be required. Although a species-specific survey was not conducted, no bats were observed while on-site. Landscape trees within road right of way and some forested areas are present within portions of the existing pipeline right of way.

Due to the emergency nature of this project, we are requesting that you please provide us with information on federally listed threatened and endangered species as soon as possible. For ease of review, we have included a project location map (Figure 1), shapefile of the project survey boundary, and IPaC official species list. If you have questions or need additional information regarding the Project, please contact me at the phone number or email below. Thank you for your assistance with this request.

Sincerely,

Brooke Harrison Project Manager

bharrison@burnsmcd.com

Poroche Aprovisor

(380) 390-2516

Burns & McDonnell Attn. Brooke Harrison



530 West Spring Street, Suite 100 Columbus, OH 43215

Cc:

Antonio Hornstein, Burns & McDonnell





8/20/2025

Attention: Mike Pettegrew
ODNR Office of Real Estate & Land Management
2045 Morse Road, Building E-2
Columbus, OH 43229

Via email: environmentalreviewrequest@dnr.state.oh.us

Re: Project Review Request

NCHP Big Walnut Creek Crossing

Franklin County, Ohio

Dear Mr. Pettegrew,

NiSource is formally requesting that the Ohio Department of Natural Resources (ODNR) complete an environmental review for the proposed North Columbus High Pressure Pipeline (NCHP) Big Walnut Creek Crossing emergency dent repair located in Franklin County, Ohio (Figure 1). The Project is within the City of Columbus. The Big Walnut Creek Crossing project includes the emergency installation of a new section of pipeline under Big Walnut Creek to address an anomaly discovered during an in-line inspection of an existing pipeline. Horizontal directional drilling (HDD) is the preferred method of installation to reduce potential impacts to Big Walnut Creek and the adjacent floodplain. In the event that HDD method cannot be utilized, the new section will be installed via open trench. In August 2025 a mussel survey and relocation was conducted in the affected portion of Big Walnut Creek (USFWS Permit Numbers ESPER0039255-1 (Schwegman) and ESPSR9968385-0 (Lawlis)). No known Threatened and Endangered species were detected within the survey or salvage areas. The environmental impact area was surveyed for potentially suitable bat habitat on August 19, 2025. Two trees were identified as having characteristics suitable for roosting such as cracks, crevices, and/or exfoliating bark. The two trees are to be shown in engineering drawings and avoided during construction. An estimated total of 1.26 acres of tree clearing is likely to be required. Although a species-specific survey was not conducted, no bats were observed while on-site. Landscape trees within road right of way and some forested areas are present within portions of the existing pipeline right of way.

Due to the emergency nature of this project, we are requesting that you please provide us with the results of the ODNR's environmental review, including results of the ODNR Natural Heritage Database search, as soon as possible. For ease of review, we have included a project location map (Figure 1) and shapefile of the project survey boundary. If you have questions or need additional information regarding the Project, please contact me at the phone number or email below. Thank you for your assistance with this request.

Sincerely,

Brooke Harrison Project Manager

bharrison@burnsmcd.com

Broone Arviso

(380) 390-2516



Burns & McDonnell Attn. Brooke Harrison 530 West Spring Street, Suite 100 Columbus, OH 43215

Cc:

Antonio Hornstein, Burns & McDonnell



