



U.S. Department of Housing and Urban
Development

451 Seventh Street, SW
Washington, DC 20410
www.hud.gov

espanol.hud.gov

Broad-Level Tiered Environmental Review for Activity/Project that is Categorically Excluded Subject to Section 58.5 Pursuant to 24 CFR Part 58.35(a)

Project Information

Project Name: Columbus Housing Improvements Program

Responsible Entity (RE): City of Columbus, Indiana

State/Local Identifier: B-22-MC-18-0020

RE Preparer: Trena Carter

Certifying Officer: James D. Lienhoop, Mayor

Grant Recipient (if different than Responsible Entity):
Point of Contact:

Consultant (if applicable):
Point of Contact:

Project Location: Scattered sites within the City of Columbus corporate limits.

Additional Location Information:

Direct Comments to: City of Columbus, Community Development Department, 123 Washington Street, Columbus, Indiana 47201

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

The proposed project is the rehabilitation of owner-occupied housing units and associated costs. The rehabilitation tasks consist primarily of roofing replacement; replacement of heating, ventilation and air conditioning units (HVAC); aging in place improvements for residents 55 years of age and older or disabled; and the replacement of water heaters for income qualified homeowners residing within the corporate limits of the City of Columbus, Indiana. Additional eligible tasks may be included on an individually approved basis.

Approximate size of the project area: The project area includes the home sites of income qualified homeowners residing within the corporate limits of the City of Columbus, Indiana.

Length of time covered by this review: Approximately 1 year or until PY 2022 funds for this project are depleted.

Maximum number of dwelling units or lots addressed by this tiered review: Unknown at this time. Estimated number of homes is 10-12.

Level of Environmental Review Determination:

Categorically Excluded per 24 CFR 58.35(a), and subject to laws and authorities at §58.5: 24 CFR Part 58.5(a)(3)(i)

Funding Information

| Grant Number | HUD Program | Program Name | Funding Amount |
|-----------------|-------------|--------------|----------------|
| B-22-MC-18-0020 | CDBG | Entitlement | \$111,019.00 |
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| | | | |

Estimated Total HUD Funded Amount: \$111,019.00

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$111,019

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities and Written Strategies

| | | |
|---|--|---|
| Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR 50.4, 58.5, and 58.6 | Was compliance achieved at the broad level of review? | If Yes: Describe compliance determinations made at the broad level. If No: Describe the policy, standard, or process to be followed in the site-specific review. |
| STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.6 | | |
| Airport Hazards 24 CFR Part 51 Subpart D | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | Upon determination of specific home or site to be assisted, Airport Hazards mapping will be checked. |
| Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | US-FWS map denoting no coastal barrier resources located within the project area. Project is in compliance with the Coastal Barrier Resources Act. |

| | | |
|---|---|---|
| Improvement Act of 1990 [16 USC 3501] | | |
| Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a] | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | Upon determination of specific home or site to be assisted, homeowner will provide information on Flood Insurance. |
| STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §58.5 | | |
| Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93 | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | NEPAssist map demonstrating the current nonattainment areas located within the city. There aren't any in the project area. Project is in compliance with the Clean Air Act, as amended and 40 CFR Parts 6, 51, 93. |
| Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d) | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | State Coastal Zone Program Area map from DNR noting the boundary of the Coastal Zone in Lake, Porter and LaPorte Counties. Project area is the incorporated limits of Columbus, in Bartholomew County, IN. Project is in compliance with the Coastal Zone Management Act, sections 307(c) & (d). |
| Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)] | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | It has been determined the project does not include development, construction, rehabilitation that will increase residential densities. All toxic releases are located within industrialized areas. Based on the project description noting the project includes no activities that would require further evaluation under this section. Project is in compliance with 24 CFR Part 50.3(i) & 58.5(i)(2)]. |
| Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402 | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | US Department of the Interior, Fish and Wildlife Service, there are no critical habitats within the project area. Memo and Species List include included. NEPAssist map noting no critical habitat included. Project is in compliance with Endangered Species Act of 1973, particularly section 7 and 50 CFR Part 402. |
| Explosive and Flammable Hazards 24 CFR Part 51 Subpart C | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | Based on the project description the project includes no activities that would require further evaluation under this section. The project does not include the following activities: development, construction, rehabilitation that will increase residential densities, or conversion nor does it include a hazardous facility. All hazardous waste sites are located within |

| | | |
|--|---|--|
| | | industrial or commercial areas, map included. In compliance with 24 CFR Part 51 Subpart C. |
| Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658 | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | This project does not include any activities that could potentially convert agricultural land to a non-agricultural use. Soils Map included. The project is in compliance with the Farmland Protection Policy Act and 7 CFR Part 658. |
| Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55 | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | Upon determination of specific home or site to be assisted, information on structure within the floodplain will be determined. |
| Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800 | Yes No <input type="checkbox"/> <input checked="" type="checkbox"/> | Upon determination of specific home or site to be assisted, information on structure and the area of potential effect on historic properties will be submitted to the Indiana DNR-DHPA for completion of the Section 106 process. |
| Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | Based on the project description, which will not include new construction or major rehabilitation, this project includes no activities that would require further evaluation under HUD's noise regulation. Project is in compliance with Noise Control Act of 1972, as amended and 24 CFR Part 51 Subpart B. |
| Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149 | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | No sole source aquifers located within Bartholomew County, Indiana. NEPAAssist map included. Project is in compliance with Safe Drinking Water Act of 1974, as amended and 40 CFR Part 149. |
| Wetlands Protection Executive Order 11990, particularly sections 2 and 5 | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | Based on the project description this project includes no activities that would require further evaluation under this section. See NWI and NEPAAssist map. Project is in compliance with Executive Order 11990. |
| Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c) | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | This project is not within proximity of a NWSRS river. Indiana has no Wild & Scenic Rivers. The project is in compliance with the Wild and Scenic Rivers Act. |
| ENVIRONMENTAL JUSTICE | | |
| Environmental Justice Executive Order 12898 | Yes No <input checked="" type="checkbox"/> <input type="checkbox"/> | No adverse environmental impacts which are disproportionately high for low-income and / or minority communities were identified in the project's total environmental review. Columbus |

| | | |
|--|--|--|
| | | ejscreen report included. The project is in compliance with Executive Order 12898. |
|--|--|--|

Attach supporting documentation as necessary, including a site-specific checklist.

Specific sites have yet to be determined.

Determination:

- ☐ Extraordinary circumstances exist and this project may result in significant environmental impact. This project requires preparation of an Environmental Assessment (EA); OR
- ☒ There are no extraordinary circumstances which would require completion of an EA, and this project may remain CEST.

Preparer Signature: Trena Carter Date: 11/29/2022

Name/Title/Organization: Trena Carter, AD, Administrative Resources association

Responsible Entity Agency Official Signature:

James D. Lienhoop Date: 11/29/22

Name/Title: James D. Lienhoop, Mayor

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

This document represents the Tier 1 or Broad-Level review *only*. As individual sites are selected, this review must be supplemented by individual Tier 2 or Site-Specific reviews for each site. All laws and authorities requiring site-specific analysis will be addressed in these individual reviews.

APPENDIX: Site-Specific or Tier 2 Reviews

Update this document as site-specific reviews are completed. Complete each site-specific review according to the written strategies outlined in the broad-level review and attach it in the environmental review record.

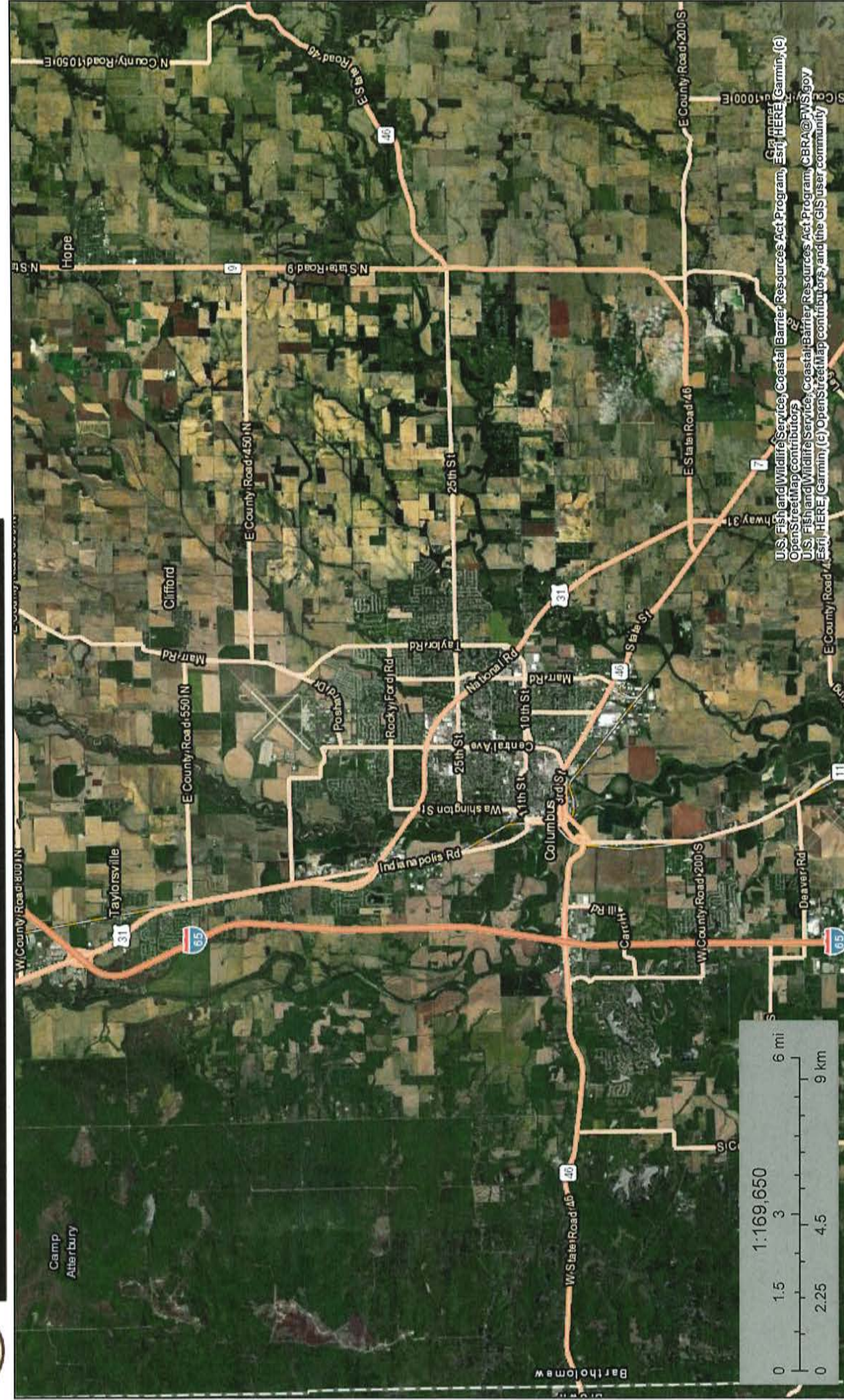
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Coastal Barrier Resources System

U.S. Fish and Wildlife Service

City of Columbus, Bartholomew



CBRS Units

-  Otherwise Protected Area
 System Unit

This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at <https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps>. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (<https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation>) as to whether the property or project site is located "in" or "out" of the CBRS.

CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward

This page was produced by the CBRs Mapper

NEPAssist - Nonattainment Area-Columbus, IN



November 20, 2022

1:144,448

0 0.75 1.5 3 mi
0 1.5 3 6 km

Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc., METI/USA, USGS, EPA, NPS, USDA, U.S. EPA Office of Air and Radiation (OAR) - Office of Quality Planning and Standards (OQPS)

Legend:

- Boundary
- Counties
- Lake
- Porter
- La Porte
- Lakes
- Surface Water
- I-80
- Historic Districts
- Highways
- Cities
- Public Land
- Indiana Dunes National Lakeshore
- Indiana Dunes State Park
- Nature Preserves



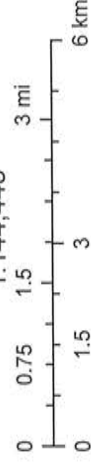
NEPAssist - Contamination and Toxic Substances-Columbus, IN



November 20, 2022

- Toxic Substances Control Act (TSCA)
- Superfund (NPL)
- Toxic Releases (TRI)
- Toxic Releases (TRI)
- Hazardous Waste (RCRAInfo)
- Hazardous Waste (RCRAInfo)

1:144,448



Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METINASA, USGS, EPA, NPS, USDA



memorandum

Administrative Resources association

748 Franklin Street

Columbus, IN 47201-6128

FAX: 812-376-8857 e-mail: tcarter1@ARACities.org

812-376-9949

to : U.S. Department of Housing and Urban Development – Environmental File

from : Trena Carter, Environmental Review Officer 

date : November 22, 2022

subj : Section 7 Endangered Species Act Consultation
Columbus Housing Improvements Program, Columbus, Indiana

The City of Columbus is in the process of completing a CDBG Environmental Review for the Columbus Housing Improvements Program (CHIP) to assist income qualified homeowners within the city limits of the City of Columbus, Bartholomew County, Indiana. The proposed project is the rehabilitation of owner-occupied housing units and associated costs. The rehabilitation tasks consist primarily of roofing replacement; replacement of heating, ventilation and air conditioning units (HVAC); aging in place improvements for residents 55 years of age and older or disabled; and the replacement of water heaters for income qualified homeowners residing within the corporate limits of the City of Columbus, Indiana. Additional eligible tasks may be included on an individually approved basis. Funds allocated to this project is approximately \$111,019 and is projected to be expended throughout the 2022 program year or until funding for this project is depleted. An estimated a minimum of 10-12 homes are anticipated to be assisted. All rehabilitation undertaken for this program will include interior or exterior improvements located entirely within and immediately surrounding existing homes.

As environmental review officer, the species list from U.S. Fish and Wildlife Service iPac website was pulled and reviewed. In continuing with the Section 7 process, the Services' Region 3 Section 7 Technical Assistance website was utilized to determine the federally listed threatened and endangered species for the project area. According to the listing, 3 species are listed and may be present in Bartholomew County: the Indiana bat, Northern long-eared bat and the Monarch Butterfly. The listing also addresses the critical habitats for the threatened and endangered species that may occur in the project location or may be affected by the project. It is noted in U.S. Fish & Wildlife Service listing provided, there are no critical habitats within the project area under the office's jurisdiction.

For these reasons, the conclusion is suitable habitat is not present in the action area, therefore "species and critical habitat not present" in the CHIP Project areas. There will be "no effect" on listed species, their habitats, or proposed or designated critical habitat.



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Indiana Ecological Services Field Office
620 South Walker Street
Bloomington, IN 47403-2121
Phone: (812) 334-4261 Fax: (812) 334-4273



In Reply Refer To:

November 22, 2022

Project Code: 2023-0018225

Project Name: 2022 Columbus, IN CDBG - Owner-Occupied Rehabilitation

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 ECOS-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 ECOS-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.

Please use the species list provided and visit the U.S. Fish and Wildlife Service's Region 3 Section 7 Technical Assistance website at - <http://www.fws.gov/midwest/endangered/section7/s7process/index.html>. This website contains step-by-step instructions which will help you

determine if your project will have an adverse effect on listed species and will help lead you through the Section 7 process. For all **wind energy projects** and **projects that include installing towers that use guy wires or are over 200 feet in height**, please contact this field office directly for assistance, even if no federally listed plants, animals or critical habitat are present within your proposed project or may be affected by your proposed project.

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:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.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, intentional or unintentional, 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/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. 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/birds/bird-enthusiasts/threats-to-birds.php>.

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/birds/policies-and-regulations/executive-orders/e0-13186.php>.

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. **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
- Migratory Birds
- Wetlands

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:

Indiana Ecological Services Field Office

620 South Walker Street

Bloomington, IN 47403-2121

(812) 334-4261

Project Summary

Project Code: 2023-0018225

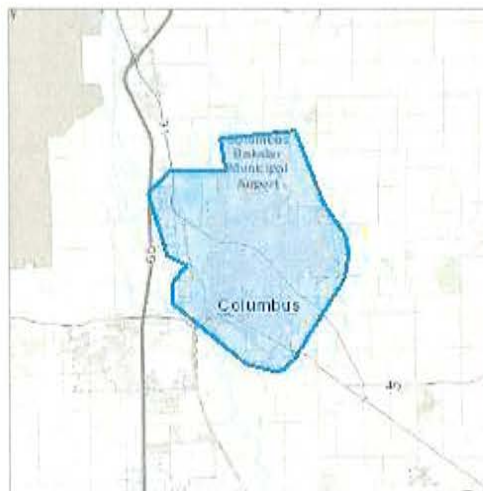
Project Name: 2022 Columbus, IN CDBG - Owner-Occupied Rehabilitation

Project Type: Federal Grant / Loan Related

Project Description: The proposed project is the rehabilitation of owner-occupied housing units and associated costs. The rehabilitation tasks consist primarily of roofing replacement; replacement of heating, ventilation and air conditioning units (HVAC); aging in place improvements for residents 55 years of age and older or disabled; and the replacement of water heaters for income qualified homeowners residing within the corporate limits of the City of Columbus, Indiana. Additional eligible tasks may be included on an individually approved basis.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@39.22718315,-85.89790357825319,14z>



Counties: Bartholomew County, Indiana

Endangered Species Act Species

There is a total of 3 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. Note that 1 of these species should be considered only under certain conditions.

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.

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1. [NOAA Fisheries](#), 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 <i>Myotis sodalis</i> 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 | Endangered |
| Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> ▪ Incidental take of the NLEB is not prohibited here. Federal agencies may consult using the 4(d) rule streamlined process. Transportation projects may consult using the programmatic process. See www.fws.gov/midwest/endangered/mammals/nleb/index.html Species profile: https://ecos.fws.gov/ecp/species/9045 | Threatened |

Insects

| NAME | STATUS |
|--|-----------|
| Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743 | Candidate |

Critical habitats

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

Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

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1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern \(BCC\)](#) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

| NAME | BREEDING SEASON |
|--|-------------------------|
| American Golden-plover <i>Pluvialis dominica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds elsewhere |
| Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. | Breeds Oct 15 to Aug 31 |
| Bobolink <i>Dolichonyx oryzivorus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 20 to Jul 31 |

| NAME | BREEDING SEASON |
|--|-------------------------|
| Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds Mar 15 to Aug 25 |
| Golden Eagle <i>Aquila chrysaetos</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680 | Breeds elsewhere |
| Henslow's Sparrow <i>Ammodramus henslowii</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/3941 | Breeds May 1 to Aug 31 |
| Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679 | Breeds elsewhere |
| Prothonotary Warbler <i>Protonotaria citrea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds Apr 1 to Jul 31 |
| Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 10 to Sep 10 |
| Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA | Breeds elsewhere |
| Short-billed Dowitcher <i>Limnodromus griseus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9480 | Breeds elsewhere |
| Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 10 to Aug 31 |

Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

No Data (—)

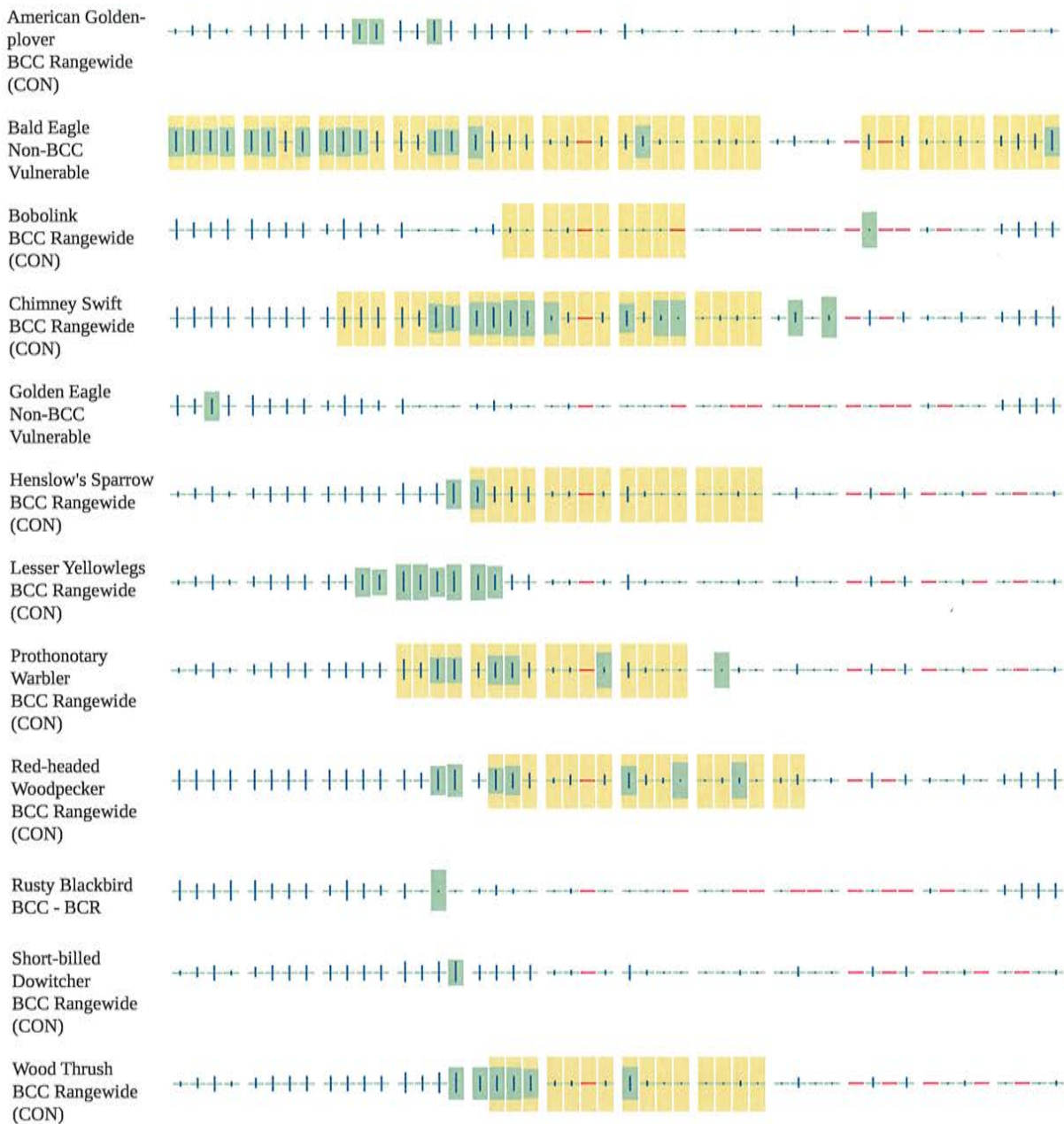
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

■ probability of presence ■ breeding season | survey effort — no data

SPECIES JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

Migratory Birds FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point

within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).


What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no

data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.



Wetlands

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

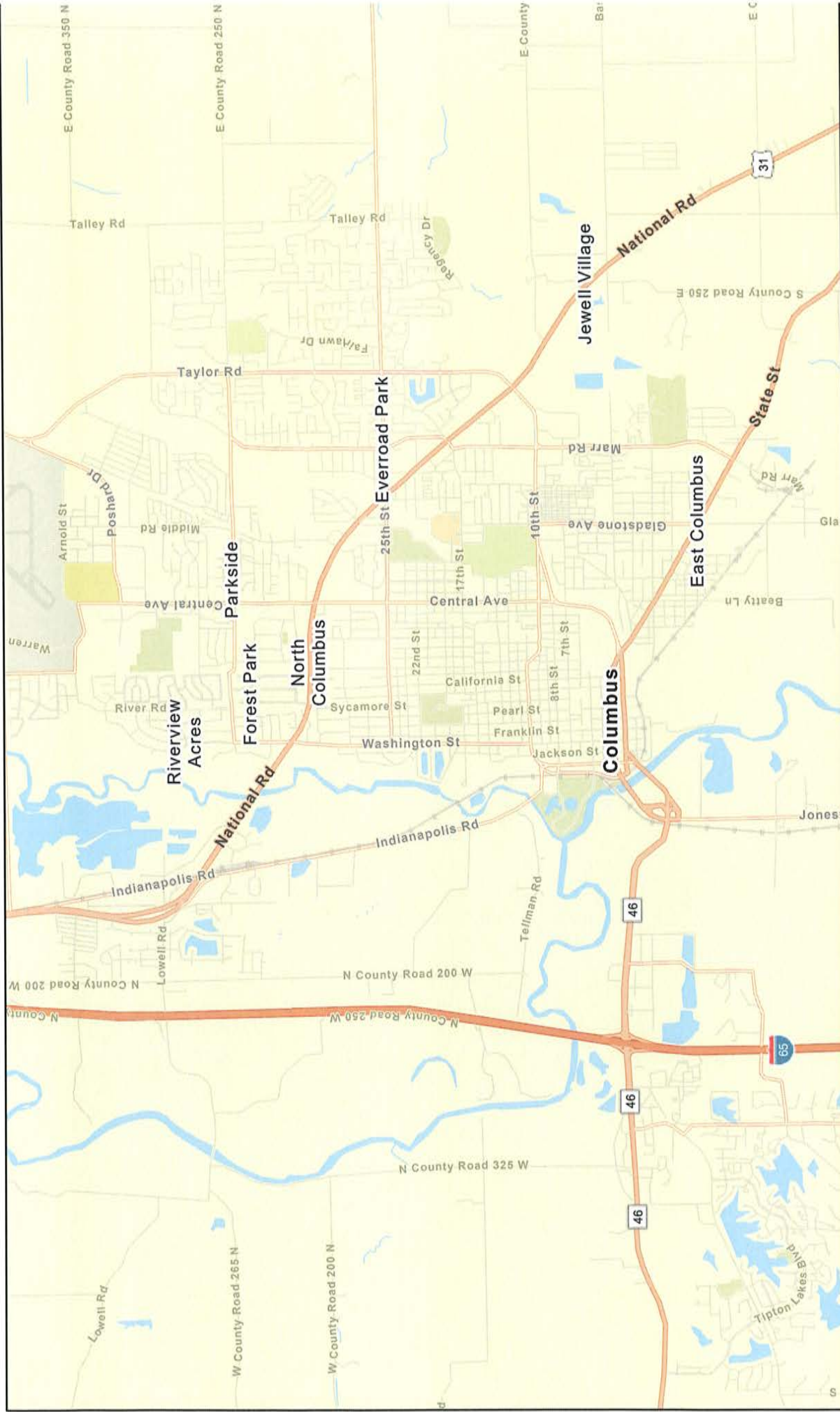
Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

WETLAND INFORMATION WAS NOT AVAILABLE WHEN THIS SPECIES LIST WAS GENERATED.
PLEASE VISIT [HTTPS://WWW.FWS.GOV/WETLANDS/DATA/MAPPER.HTML](https://www.fws.gov/wetlands/data/mapper.html) OR CONTACT THE FIELD OFFICE FOR FURTHER INFORMATION.

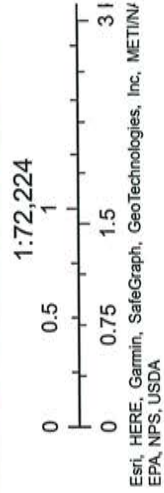
IPaC User Contact Information

Agency: Columbus city
Name: Trena Carter
Address: 748 Franklin Street
City: Columbus
State: IN
Zip: 47203
Email: tcarter1@aracities.org
Phone: 8123769949

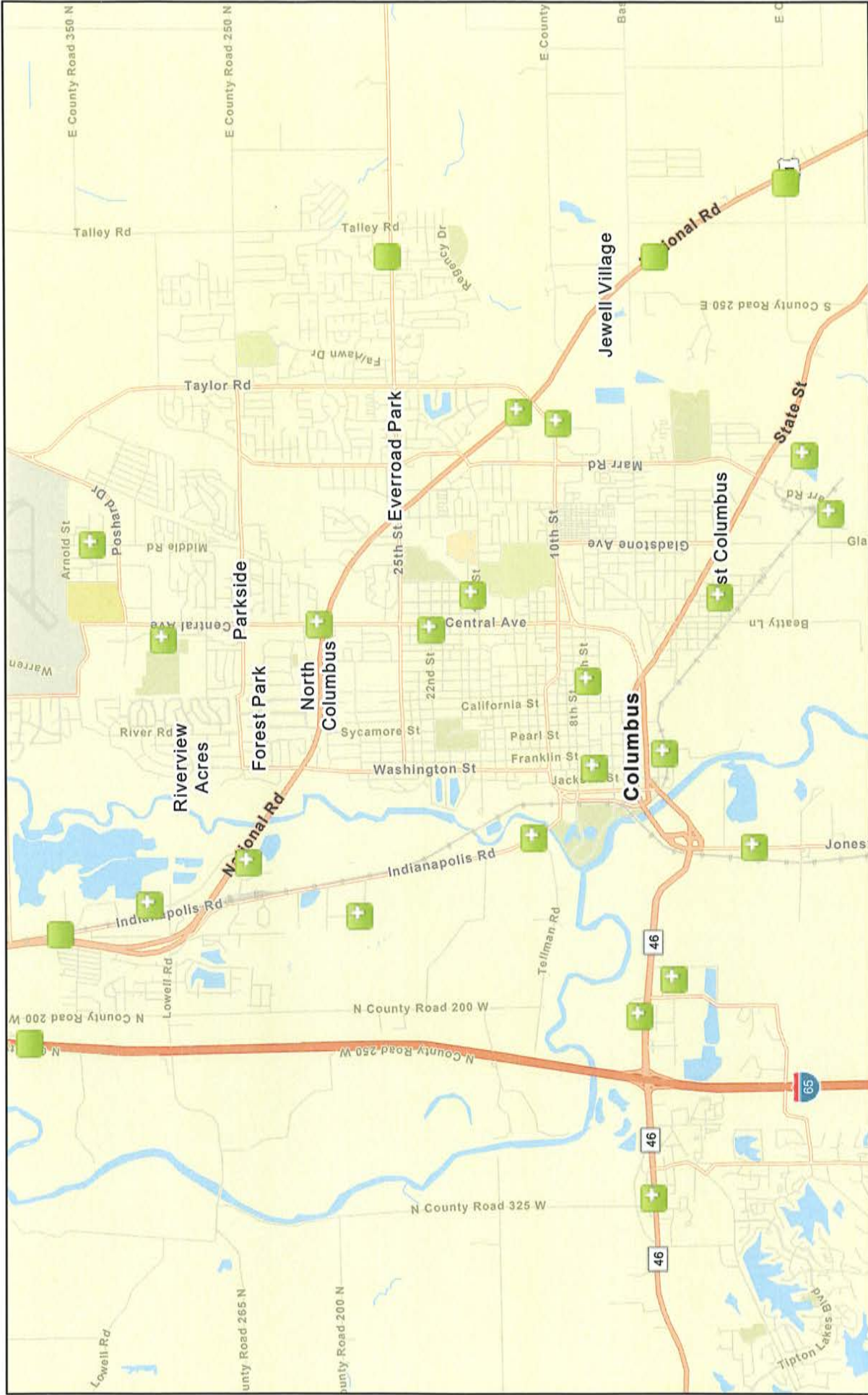
Columbus-Critical Habitat





November 22, 2022



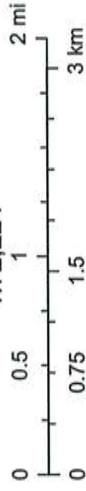
Columbus-Hazardous Waste



November 22, 2022

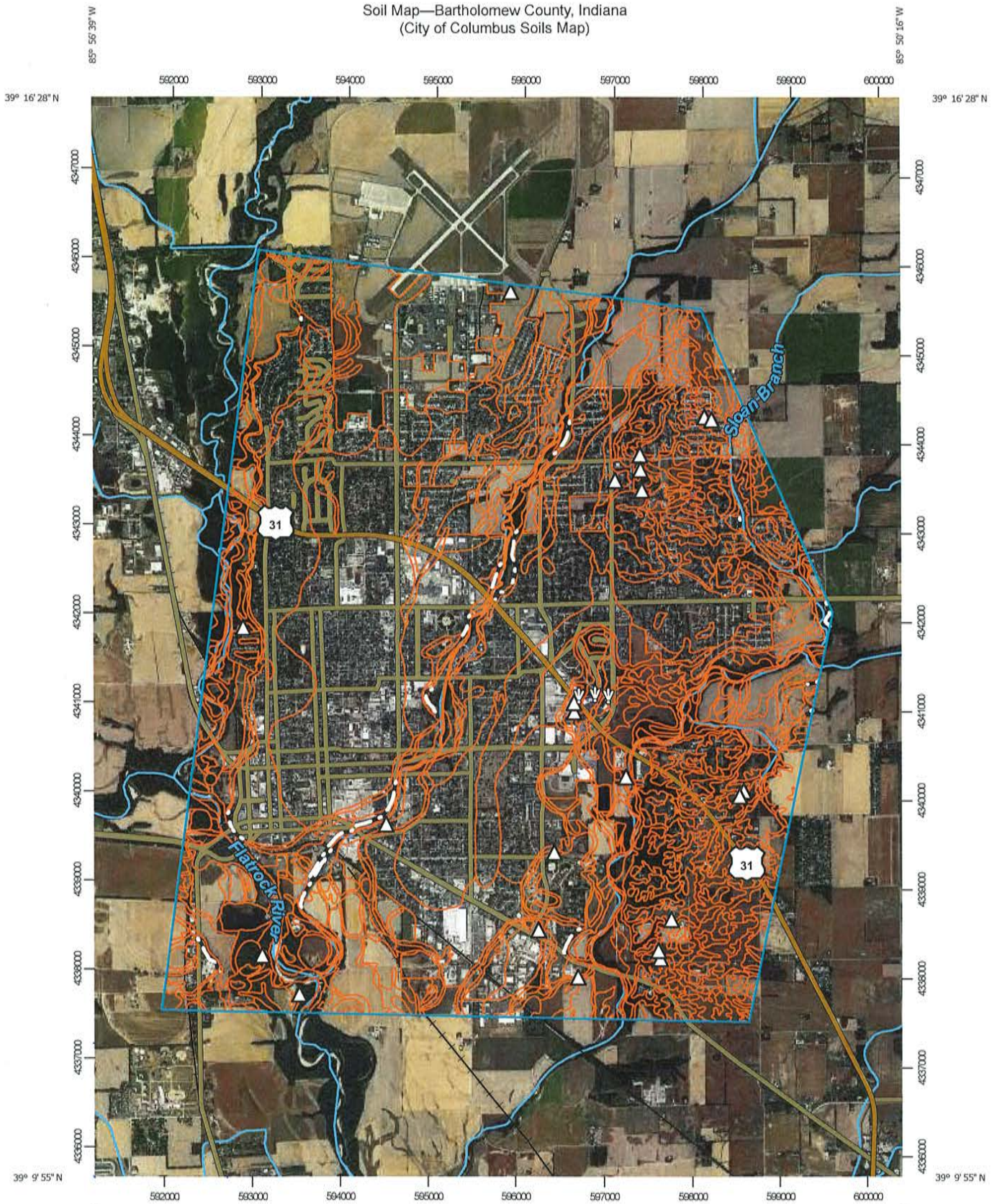
-  Hazardous Waste (RCRAInfo)
-  Hazardous Waste (RCRAInfo)

1:72,224



Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METINASA, USGS, EPA, NPS, USDA

Soil Map—Bartholomew County, Indiana
(City of Columbus Soils Map)



Map Scale: 1:59,100 if printed on A portrait (8.5" x 11") sheet.

0 500 1000 2000 3000 Meters

0 2500 5000 10000 15000 Feet

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84











































Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

8/25/2021
Page 1 of 6

MAP LEGEND

| | | | |
|---|------------------------|---|-----------------------|
|  | Area of Interest (AOI) |  | Spoil Area |
|  | Area of Interest (AOI) |  | Stony Spot |
|  | Soils |  | Very Stony Spot |
|  | Soil Map Unit Polygons |  | Wet Spot |
|  | Soil Map Unit Lines |  | Other |
|  | Soil Map Unit Points |  | Special Line Features |
|  | Special Point Features |  | Streams and Canals |
|  | Blowout |  | Water Features |
|  | Borrow Pit |  | Streams and Canals |
|  | Clay Spot |  | Transportation |
|  | Closed Depression |  | Rails |
|  | Gravel Pit |  | Interstate Highways |
|  | Gravelly Spot |  | US Routes |
|  | Landfill |  | Major Roads |
|  | Lava Flow |  | Local Roads |
|  | Marsh or swamp |  | Background |
|  | Mine or Quarry |  | Aerial Photography |
|  | Miscellaneous Water |  | |
|  | Perennial Water |  | |
|  | Rock Outcrop |  | |
| | Saline Spot | | |
| | Sandy Spot | | |
| | Severely Eroded Spot | | |
| | Sinkhole | | |
| | Slide or Slip | | |
| | Sodic Spot | | |

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bartholomew County, Indiana
Survey Area Data: Version 23, Jun 2, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 17, 2019—Oct 20, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

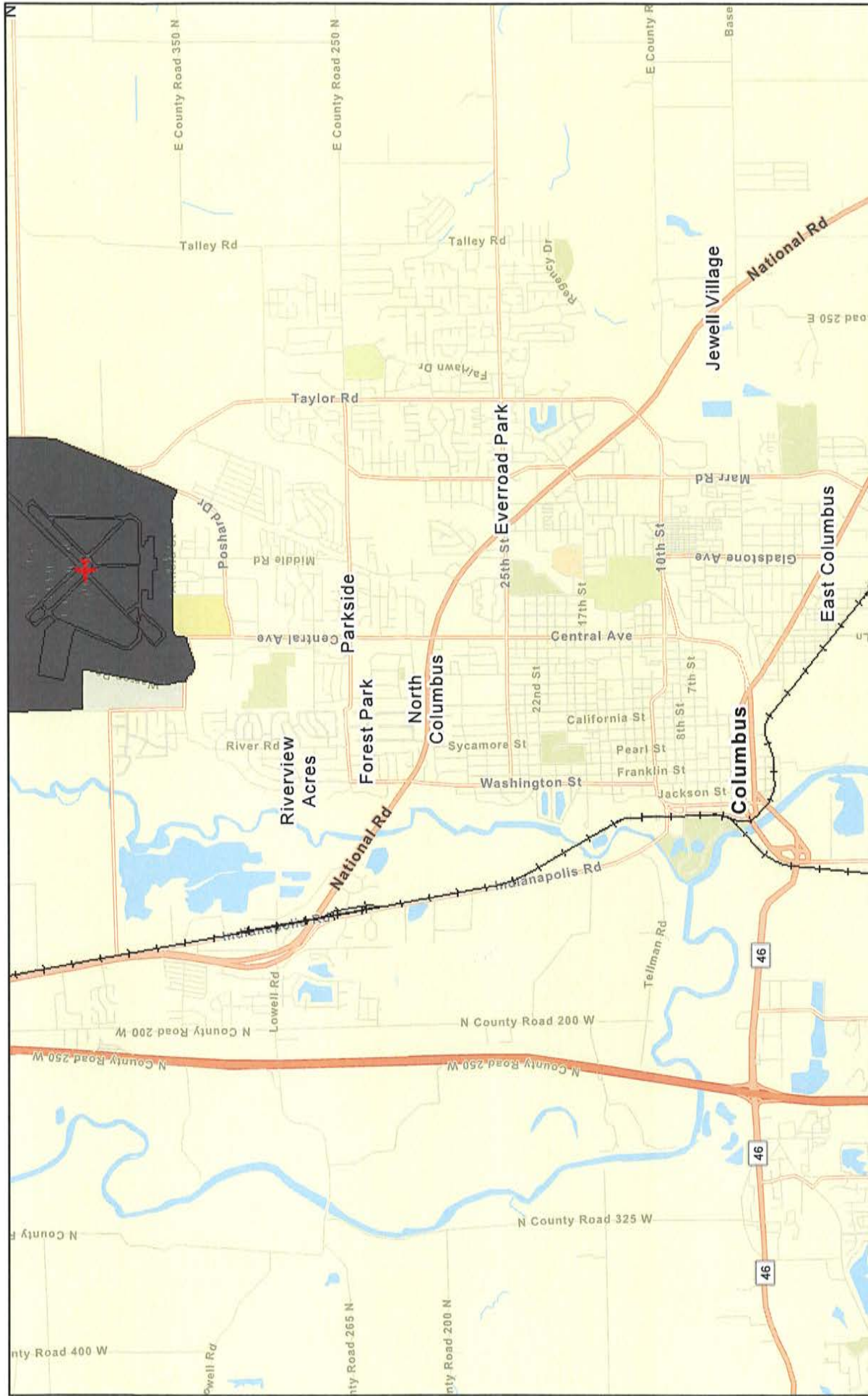
| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------|--|--------------|----------------|
| AfsB | Alvin-Princeton fine sandy loams, 2 to 6 percent slopes | 196.5 | 1.5% |
| AfsC2 | Alvin-Princeton fine sandy loams, 6 to 12 percent slopes, eroded | 139.5 | 1.1% |
| AmkA | Ayrshire fine sandy loam, 0 to 2 percent slopes | 187.7 | 1.4% |
| BdhAH | Bellcreek silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration | 104.2 | 0.8% |
| BfbAH | Bellcreek silt loam, 0 to 1 percent slopes, frequently flooded, brief duration | 21.7 | 0.2% |
| BluC | Bloomfield-Alvin loamy sands, 6 to 12 percent slopes | 60.4 | 0.5% |
| CudA | Crosby silt loam, New Castle Till Plain, 0 to 2 percent slopes | 1.4 | 0.0% |
| CulB | Crosby-Williamstown silt loams, 2 to 4 percent slopes | 3.4 | 0.0% |
| CxdA | Cyclone silty clay loam, 0 to 2 percent slopes | 119.9 | 0.9% |
| EcyAH | Eel loam, 0 to 2 percent slopes, frequently flooded, brief duration | 210.4 | 1.6% |
| EcyAW | Eel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration | 3.7 | 0.0% |
| FdbA | Fincastle silt loam, 0 to 2 percent slopes | 282.0 | 2.1% |
| FdqB | Fincastle-Xenia silt loams, 2 to 4 percent slopes | 105.9 | 0.8% |
| FexA | Fox loam, 0 to 2 percent slopes | 688.7 | 5.2% |
| FexB2 | Fox loam, 2 to 6 percent slopes, eroded | 171.5 | 1.3% |
| FgqC3 | Fox-Casco sandy loams, 6 to 12 percent slopes, severely eroded | 37.4 | 0.3% |
| GccAH | Genesee loam, 0 to 2 percent slopes, frequently flooded, brief duration | 850.1 | 6.4% |
| LeaA | Lauer silt loam, 0 to 2 percent slopes | 29.9 | 0.2% |

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------|---|--------------|----------------|
| MfwA | Martinsville loam, sandy substratum, 0 to 2 percent slopes | 121.5 | 0.9% |
| MfwAQ | Martinsville loam, sandy substratum, 0 to 2 percent slopes, rarely flooded | 29.1 | 0.2% |
| MfwB2 | Martinsville loam, sandy substratum, 2 to 6 percent slopes, eroded | 38.3 | 0.3% |
| MfxA | Martinsville sandy loam, sandy substratum, 0 to 2 percent slopes | 18.7 | 0.1% |
| MjJAH | Medway silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration | 157.8 | 1.2% |
| MmoC3 | Miami clay loam, 6 to 12 percent slopes, severely eroded | 115.2 | 0.9% |
| MmoD3 | Miami clay loam, 12 to 18 percent slopes, severely eroded | 15.6 | 0.1% |
| MnpB2 | Miami silt loam, 2 to 6 percent slopes, eroded | 61.5 | 0.5% |
| MnpC2 | Miami silt loam, 6 to 12 percent slopes, eroded | 48.9 | 0.4% |
| MnpD2 | Miami silt loam, 12 to 18 percent slopes, eroded | 6.5 | 0.0% |
| NpcA | Nineveh gravelly sandy loam, 0 to 2 percent slopes | 44.2 | 0.3% |
| NpcAQ | Nineveh gravelly sandy loam, 0 to 2 percent slopes, rarely flooded | 62.5 | 0.5% |
| NpeA | Nineveh sandy loam, 0 to 2 percent slopes | 149.4 | 1.1% |
| NpeB2 | Nineveh sandy loam, 2 to 6 percent slopes, eroded | 25.3 | 0.2% |
| ObaA | Ockley loam, 0 to 2 percent slopes | 26.4 | 0.2% |
| ReyA | Rensselaer loam, 0 to 1 percent slopes | 180.8 | 1.4% |
| ReyAQ | Rensselaer loam, 0 to 1 percent slopes, rarely flooded | 4.4 | 0.0% |
| RqaG | Rodman sandy loam, 25 to 50 percent slopes | 37.0 | 0.3% |
| RtxAH | Rosburg silt loam, 0 to 2 percent slopes, frequently flooded, brief duration | 395.3 | 3.0% |
| RywB2 | Russell silt loam, 2 to 6 percent slopes, eroded | 95.6 | 0.7% |

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------|--|--------------|----------------|
| SifE | Senachwine loam, 18 to 25 percent slopes | 6.5 | 0.0% |
| SifG | Senachwine loam, 25 to 70 percent slopes | 131.3 | 1.0% |
| SldAH | Shoals silt loam, 0 to 2 percent slopes, frequently flooded, brief duration | 565.2 | 4.3% |
| SldAW | Shoals silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration | 13.6 | 0.1% |
| SnfA | Sleeth loam, 0 to 2 percent slopes | 30.1 | 0.2% |
| SocAH | Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration | 247.1 | 1.9% |
| SuoAH | Stonelick fine sandy loam, 0 to 2 percent slopes, frequently flooded | 152.7 | 1.2% |
| Uaz | Udorthents, sandy | 171.4 | 1.3% |
| Uby | Udorthents, loamy | 82.0 | 0.6% |
| UemB | Urban land-Alvin-Princeton complex, 2 to 6 percent slopes | 237.4 | 1.8% |
| UemC | Urban land-Alvin-Princeton complex, 6 to 12 percent slopes | 89.0 | 0.7% |
| UenA | Urban land-Fox complex, 0 to 2 percent slopes | 2,550.2 | 19.2% |
| UenB | Urban land-Fox complex, 2 to 6 percent slopes | 318.1 | 2.4% |
| UepC | Urban land-Fox-Casco complex, 6 to 12 percent slopes | 100.6 | 0.8% |
| UhyA | Urban land-Martinsville, sandy substratum, complex, 0 to 2 percent slopes | 493.3 | 3.7% |
| UkpA | Urban land-Ockley complex, 0 to 2 percent slopes | 301.6 | 2.3% |
| UkqA | Urban land-Nineveh complex, 0 to 2 percent slopes | 2,011.7 | 15.2% |
| UkqB | Urban land-Nineveh complex, 2 to 6 percent slopes | 50.0 | 0.4% |
| UmqA | Urban land-Sleeth complex, 0 to 2 percent slopes | 218.2 | 1.6% |
| UnnA | Urban land-Westland complex, 0 to 1 percent slopes | 73.8 | 0.6% |
| W | Water | 279.6 | 2.1% |
| WqlA | Westland clay loam, 0 to 1 percent slopes | 2.9 | 0.0% |

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|------------------------------------|--|-----------------|----------------|
| WqlAQ | Westland clay loam, 0 to 1 percent slopes, rarely flooded | 23.9 | 0.2% |
| WsuA | Whitaker loam, 0 to 2 percent slopes | 84.7 | 0.6% |
| WsyAQ | Whitaker sandy loam, 0 to 2 percent slopes, rarely flooded | 45.8 | 0.3% |
| WufB2 | Williamstown silt loam, 2 to 6 percent slopes, eroded | 21.4 | 0.2% |
| XabB2 | Xenia silt loam, 2 to 6 percent slopes, eroded | 119.7 | 0.9% |
| Totals for Area of Interest | | 13,271.2 | 100.0% |

Columbus-Noise Generators



November 22, 2022

- Airport Points
- Airport Polygons
- Railroads

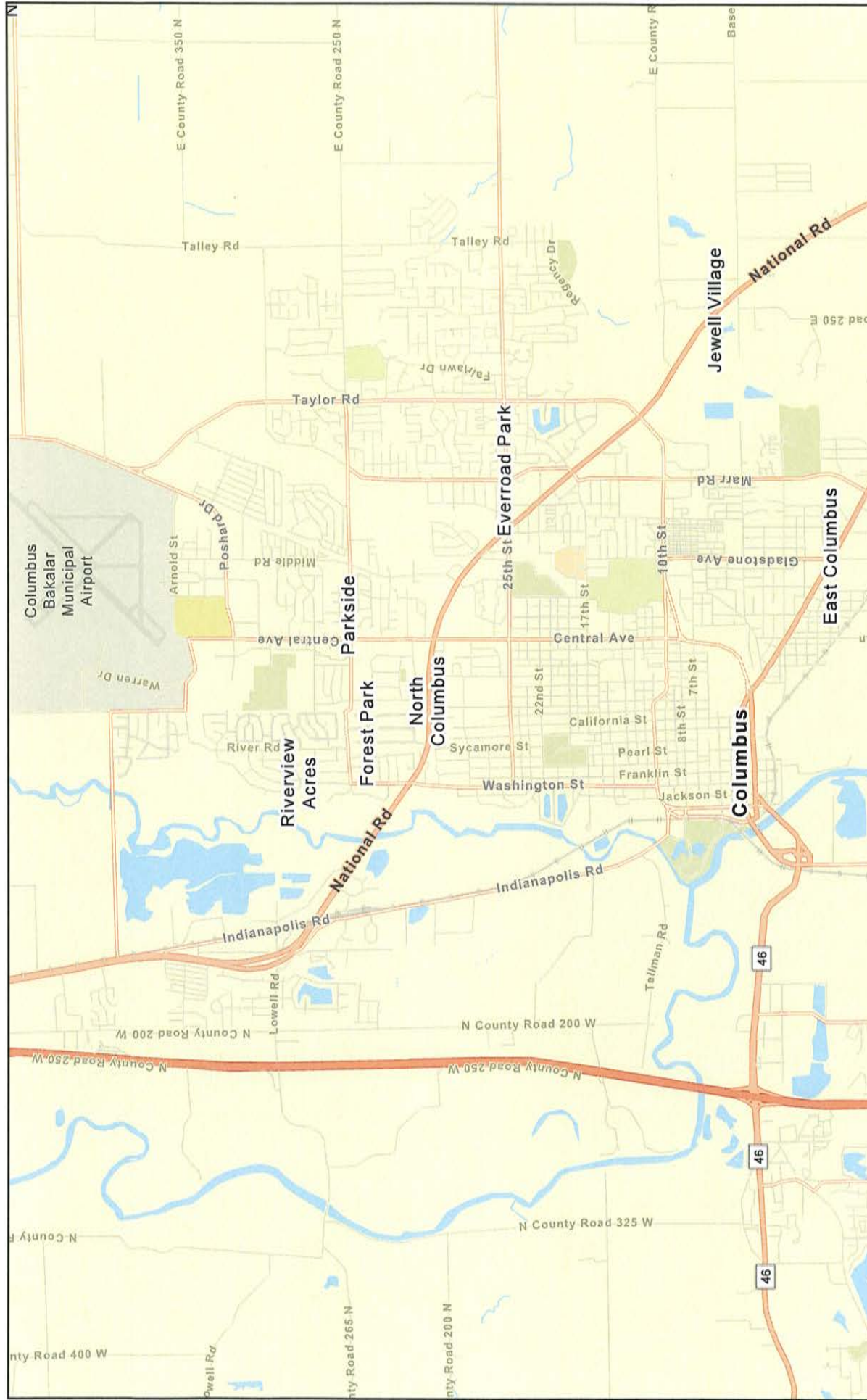
1:72,224

0 0.5 1 1.5 2 mi

0 0.75 1.5 3 km

Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METINASA, USGS, EPA, NPS, USDA, EPA OEI

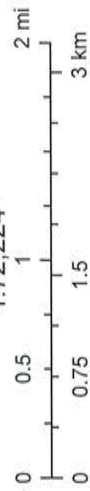
Columbus-OOR - Sole Source Aquifer



November 22, 2022

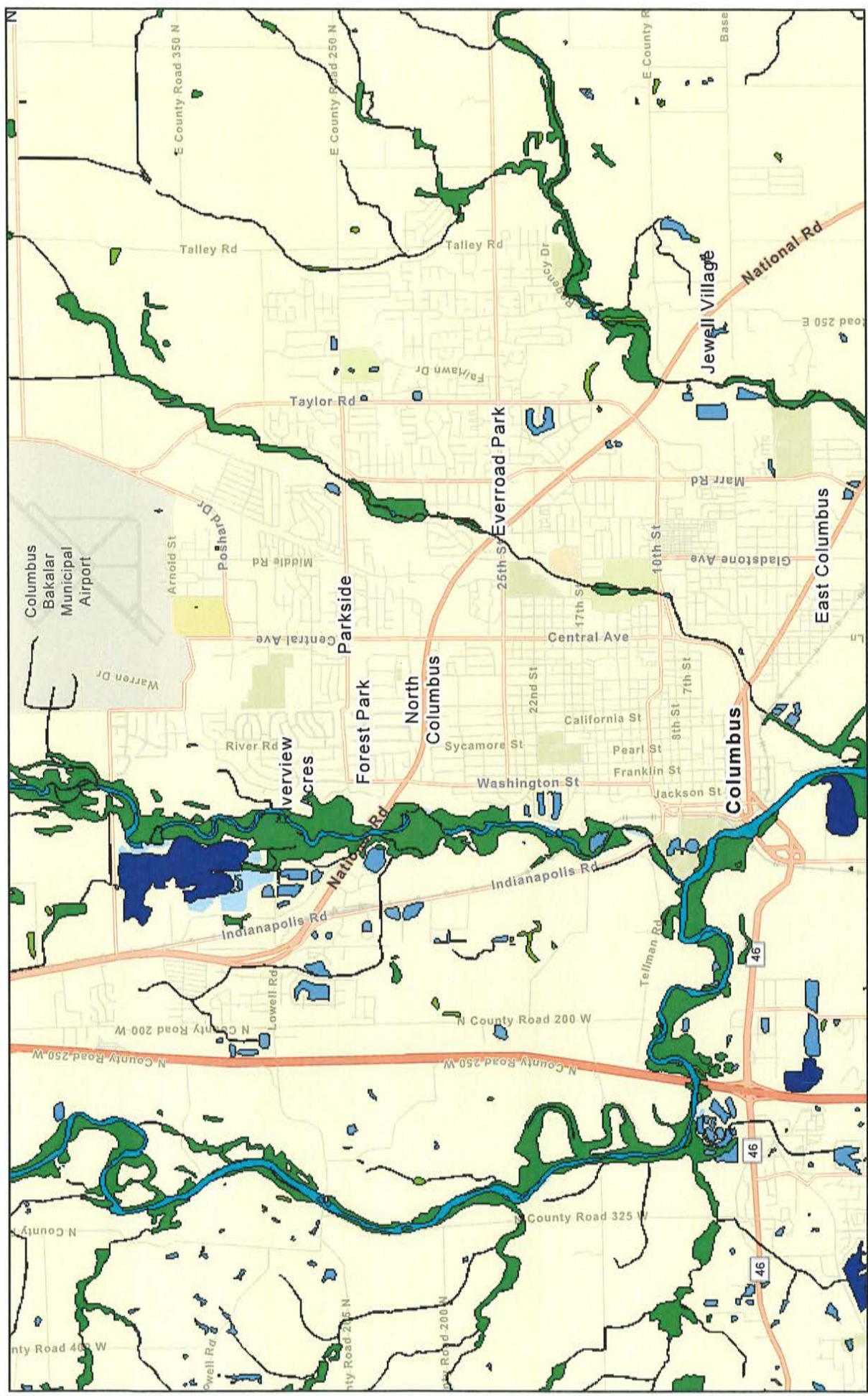
Sole Source Aquifers

1:72,224



Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METINASA, USGS, EPA, NPS, USDA

Columbus-OOR - Wetlands Map



November 22, 2022

1:72,224

0 0.5 1 1.5 2 mi

0 0.75 1.5 3 km

U.S. Fish and Wildlife Service, National Standards and Support Team, HERE, Garmin, Esri, wetlands_team@fws.gov, SafeGraph,

Wetlands

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

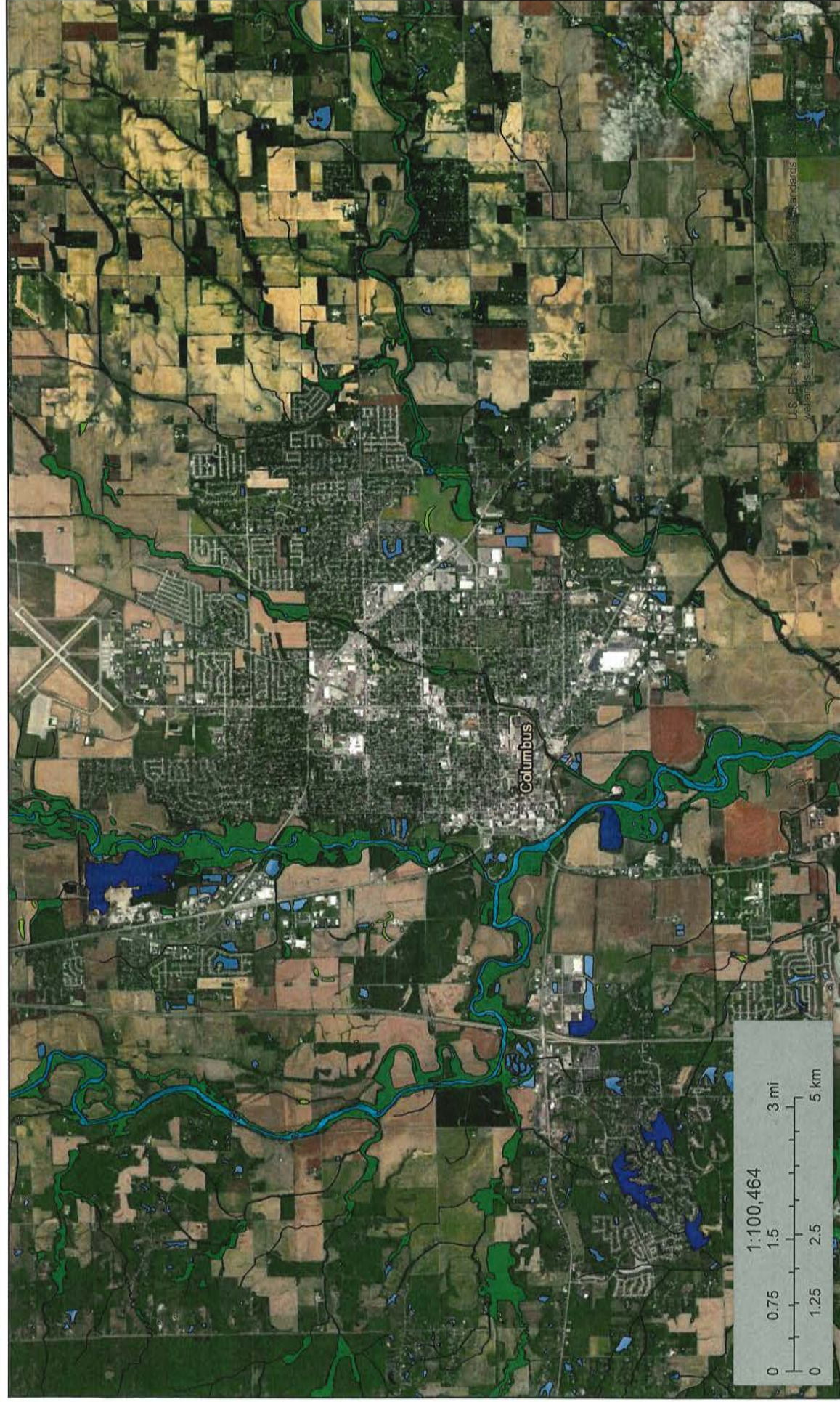
- Lake
- Other
- Riverine



U.S. Fish and Wildlife Service

National Wetlands Inventory

Columbus, IN Wetlands Map



November 28, 2022

Wetlands

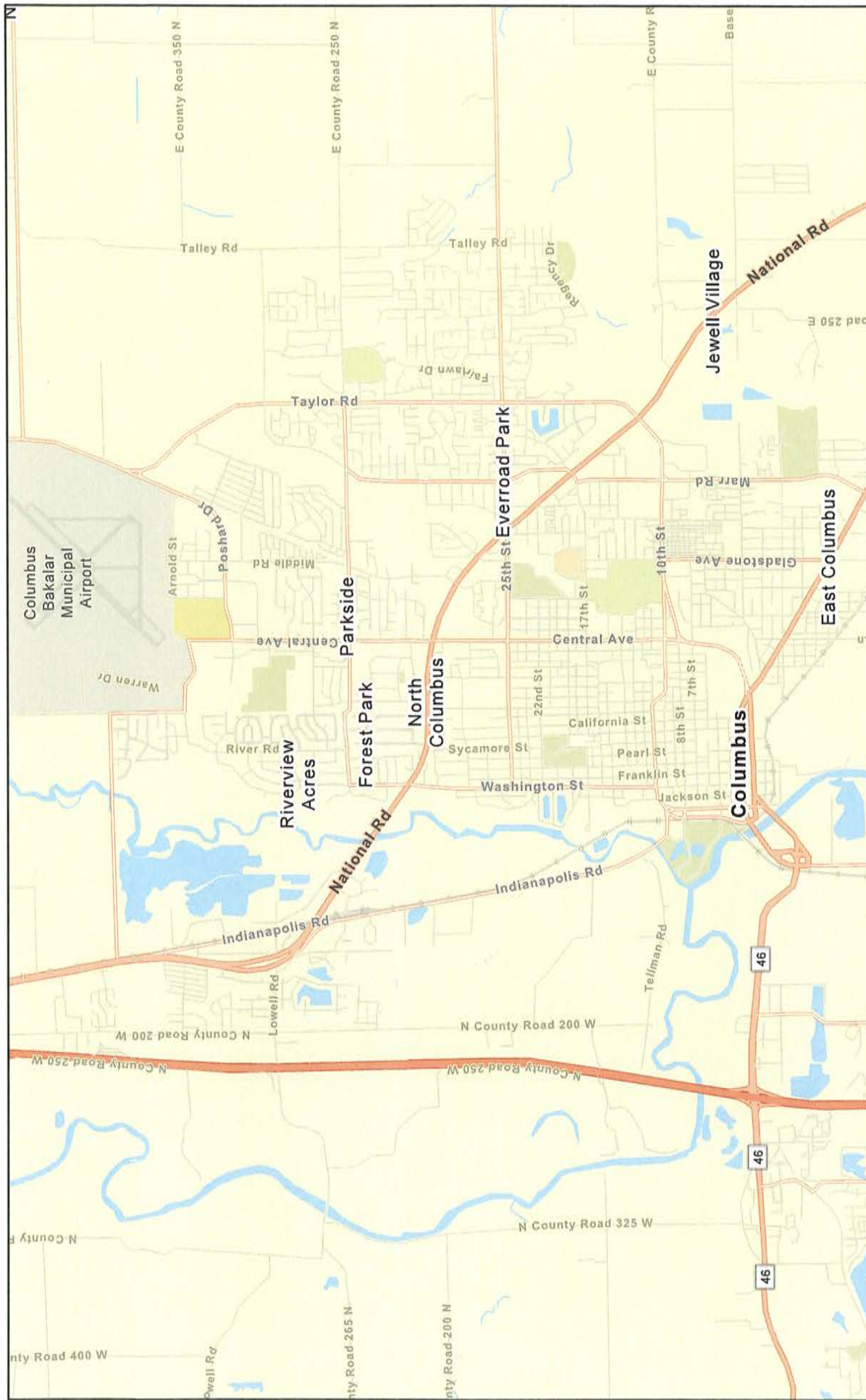
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Columbus-OOR - Wild & Scenic River



November 22, 2022

Wild and Scenic Rivers

1:72,224

0 0.5 1 1.5 2 mi

0 0.75 1.5 3 km

Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METINASA, USGS, EPA, NPS, USDA

EJScreen Report (Version 2.1)



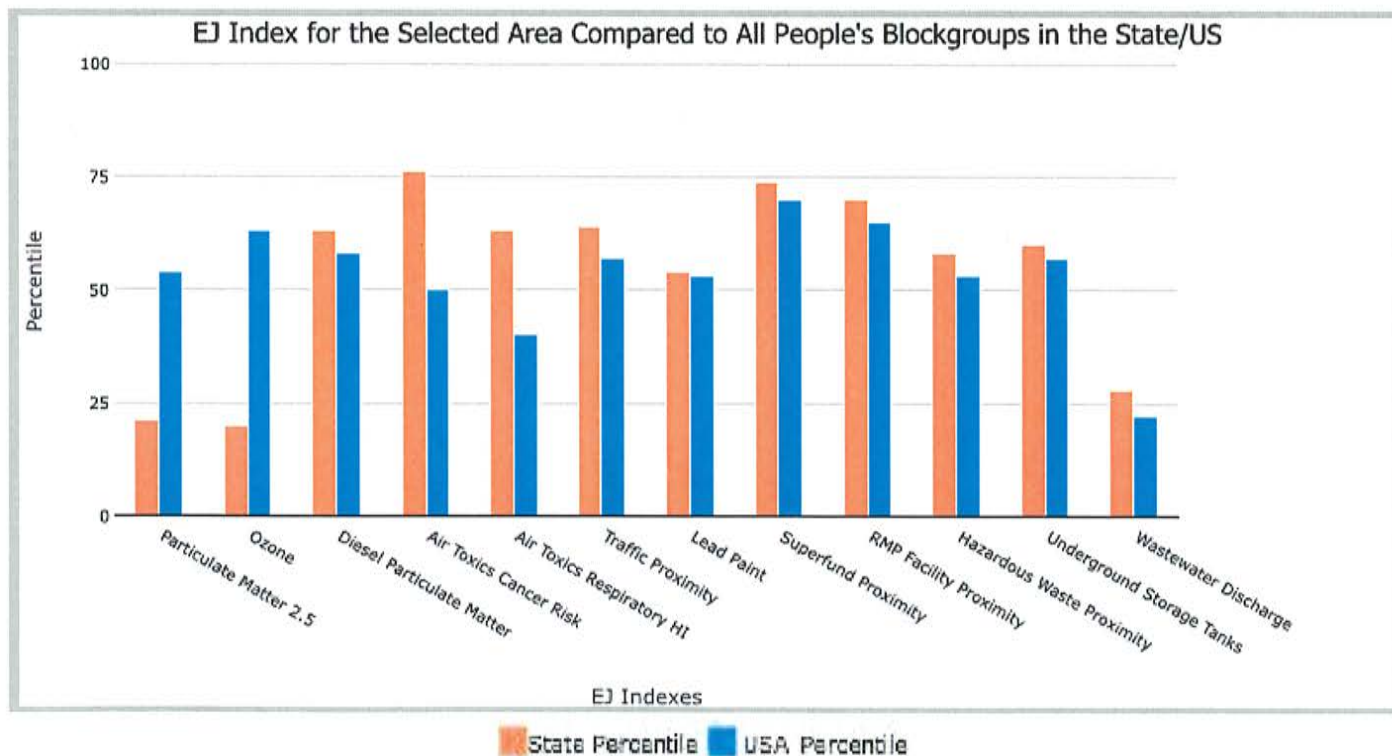
City: Columbus, INDIANA, EPA Region 5

Approximate Population: 48,392

Input Area (sq. miles): 28.44

Columbus EJ Report

| Selected Variables | State Percentile | USA Percentile |
|---|------------------|----------------|
| Environmental Justice Indexes | | |
| EJ Index for Particulate Matter 2.5 | 21 | 54 |
| EJ Index for Ozone | 20 | 63 |
| EJ Index for Diesel Particulate Matter* | 63 | 58 |
| EJ Index for Air Toxics Cancer Risk* | 76 | 50 |
| EJ Index for Air Toxics Respiratory HI* | 63 | 40 |
| EJ Index for Traffic Proximity | 64 | 57 |
| EJ Index for Lead Paint | 54 | 53 |
| EJ Index for Superfund Proximity | 74 | 70 |
| EJ Index for RMP Facility Proximity | 70 | 65 |
| EJ Index for Hazardous Waste Proximity | 58 | 53 |
| EJ Index for Underground Storage Tanks | 60 | 57 |
| EJ Index for Wastewater Discharge | 28 | 22 |



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

EJScreen Report (Version 2.1)

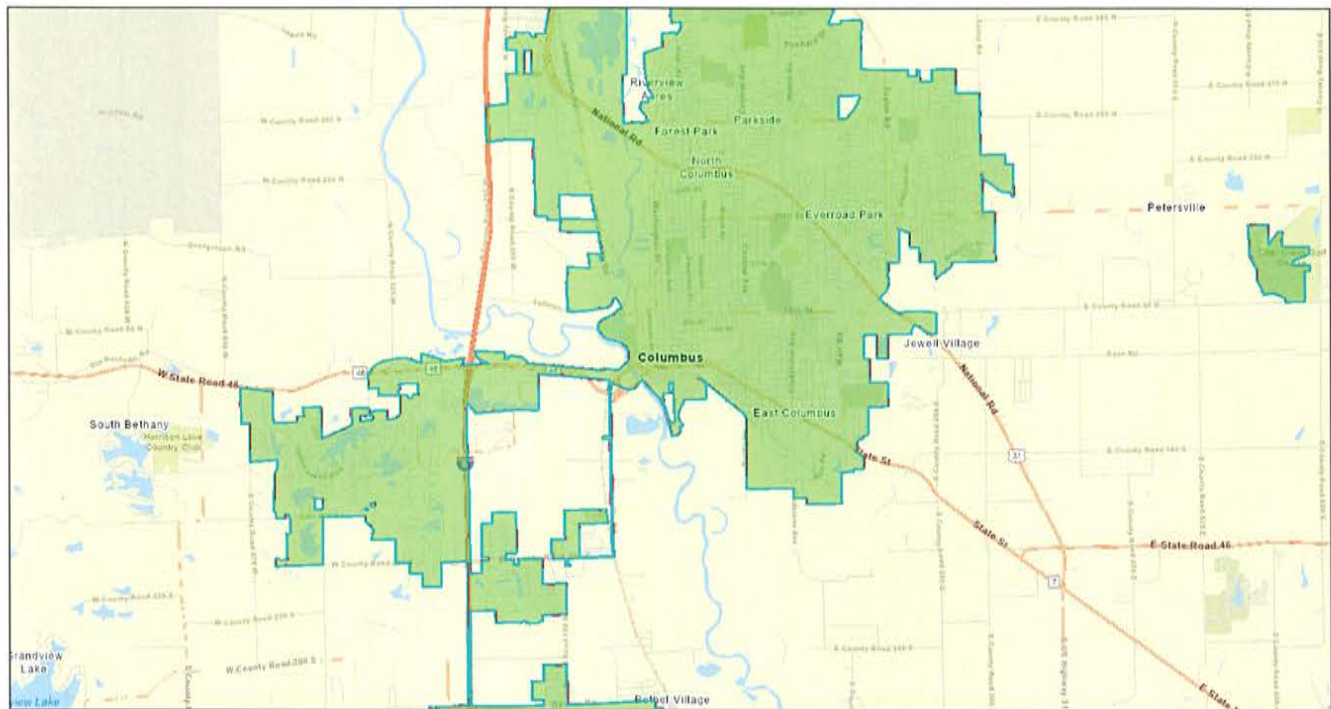


City: Columbus, INDIANA, EPA Region 5

Approximate Population: 48,392

Input Area (sq. miles): 28.44

Columbus EJ Report



November 29, 2022

Columbus EJ Report

172,224
0 0.5 1 2 mi
0 1 2 4 km

Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc., NICTH/ASA, USGS, EPA, IPFS, USDA

| Sites reporting to EPA | |
|--|---|
| Superfund NPL | 1 |
| Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF) | 4 |

EJScreen Report (Version 2.1)

City: Columbus, INDIANA, EPA Region 5

Approximate Population: 48,392

Input Area (sq. miles): 28.44

Columbus EJ Report



| Selected Variables | Value | State Avg. | %ile in State | USA Avg. | %ile in USA |
|---|---------|------------|---------------|----------|-------------|
| Pollution and Sources | | | | | |
| Particulate Matter 2.5 ($\mu\text{g}/\text{m}^3$) | 8.63 | 9.19 | 11 | 8.67 | 51 |
| Ozone (ppb) | 43.5 | 44.1 | 11 | 42.5 | 62 |
| Diesel Particulate Matter* ($\mu\text{g}/\text{m}^3$) | 0.282 | 0.28 | 55 | 0.294 | 50-60th |
| Air Toxics Cancer Risk* (lifetime risk per million) | 28 | 23 | 91 | 28 | 70-80th |
| Air Toxics Respiratory HI* | 0.3 | 0.29 | 86 | 0.36 | <50th |
| Traffic Proximity (daily traffic count/distance to road) | 560 | 590 | 69 | 760 | 69 |
| Lead Paint (% Pre-1960 Housing) | 0.27 | 0.33 | 42 | 0.27 | 55 |
| Superfund Proximity (site count/km distance) | 0.23 | 0.17 | 83 | 0.13 | 88 |
| RMP Facility Proximity (facility count/km distance) | 1.3 | 0.92 | 77 | 0.77 | 81 |
| Hazardous Waste Proximity (facility count/km distance) | 0.92 | 1.6 | 51 | 2.2 | 54 |
| Underground Storage Tanks (count/km ²) | 3.2 | 3.2 | 67 | 3.9 | 68 |
| Wastewater Discharge (toxicity-weighted concentration/m distance) | 0.00021 | 0.37 | 33 | 12 | 36 |
| Socioeconomic Indicators | | | | | |
| Demographic Index | 27% | 27% | 61 | 35% | 46 |
| People of Color | 25% | 22% | 70 | 40% | 45 |
| Low Income | 28% | 31% | 47 | 30% | 51 |
| Unemployment Rate | 5% | 5% | 62 | 5% | 58 |
| Limited English Speaking Households | 3% | 2% | 85 | 5% | 69 |
| Less Than High School Education | 9% | 11% | 48 | 12% | 51 |
| Under Age 5 | 7% | 6% | 68 | 6% | 70 |
| Over Age 64 | 15% | 16% | 51 | 16% | 50 |

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: <https://www.epa.gov/haps/air-toxics-data-update>.

For additional information, see: www.epa.gov/environmentaljustice

EJScreen is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJScreen documentation for discussion of these issues before using reports. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJScreen outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.