



U.S. Department of Housing and Urban
Development
451 Seventh Street, SW
Washington, DC 20410
www.hud.gov
espanol.hud.gov

**Tiered Environment Review
for Activity/Project that is
Categorically Excluded Subject to Section 58.5
Pursuant to 24 CFR 58.35(a)**

Project Information

Project Name: PY2023-Columbus-Home-Improvements-Program

HEROS Number: 900000010361037

State / Local Identifier:

Project Location: Columbus, IN 47201

Additional Location Information:

Scattered sites within the City of Columbus corporate limits.

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.

Level of Environment Review Determination:

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

Funding Information

Grant Number	HUD Program	Program Name	Funding Amount
B-23-MC-18-0020	Community Planning and Development (CPD)	Community Development Block Grants (CDBG) (Entitlement)	

Estimated Total HUD Funded Amount: \$114,660.00

Estimated Total Project Cost [24 CFR 58.2 (a) (5)]: \$114,660.00

Mitigation Measures and Conditions [40 CFR 1505.2(c)]: Consult the completed environmental review record for information on the mitigation measures adopted by the Responsible Entity to reduce, avoid,

or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified.

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: 12-8-2023

Name / Title/ Organization: Trena Carter / / COLUMBUS

Responsible Entity Agency Official Signature: James D. Lienhoop Date: 12/8/23

Name/ Title: James D. Lienhoop, Mayor of Columbus

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



U.S. Department of Housing and Urban
Development
451 Seventh Street, SW
Washington, DC 20410
www.hud.gov
espanol.hud.gov

**Tiered Environment Review
for Activity/Project that is
Categorically Excluded Subject to Section 58.5
Pursuant to 24 CFR 58.35(a)**

Project Information

Project Name: PY2023-Columbus-Home-Improvements-Program

**HEROS
Number:** 900000010361037

**Responsible Entity
(RE):** COLUMBUS, 123 Washington St Columbus IN, 47201

**State / Local
Identifier:**

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:** Columbus, IN 47201

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

**Direct Comments
to:**

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.

Maps, photographs, and other documentation of project location and description:

Approximate size of the project area: more than 1 square mile

Length of time covered by this review: 2 Years

Maximum number of dwelling units or lots addressed by this tiered review:
13

Level of Environmental Review Determination:

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

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.

Approval Documents:

7015.15 certified by Certifying Officer on:

7015.16 certified by Authorizing Officer on:

Funding Information

Grant Number	HUD Program	Program Name
B-23-MC-18-0020	Community Planning and Development (CPD)	Community Development Block Grants (CDBG) (Entitlement)

Estimated Total HUD Funded Amount: \$114,660.00

Estimated Total Project Cost [24 CFR 58.2 (a) (5)]: \$114,660.00

Compliance with 24 CFR §50.4, §58.5 and §58.6 Laws and Authorities

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?	Describe here compliance determinations made at the broad level and source documentation.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 & § 58.6		
Airport Hazards	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Coastal Barrier Resources Act	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	US-FWS CBRA Map denoting no coastal barrier resources located within the project area. Project is in compliance with the Coastal Barrier Resources Act.
Flood Insurance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 & § 58.5		
Air Quality	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NEPAssist map demonstrating there aren't any nonattainment areas within the project area. Project is in compliance with the Clean Air Act, as amended and 40 CFR Parts 6, 51, 93.
Coastal Zone Management Act	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Indiana Coastal Zone Program Area map from Lake Michigan Coastal Program Area shows 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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	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 Act	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	US Department of the Interior, Fish & Wildlife Service, there are no critical habitats within the project area. Memo and Species list with NEPAAssist map noting no critical habitat is included. Project is in compliance with the Endangered Species Act of 1973, particularly Section 7 and 50 CFR Part 402.
Explosive and Flammable Hazards	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Based on the project description the project includes no activities that will require further evaluation under this section. The project does not include 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, NEPAAssist map included. In compliance with 24 CFR Part 51, Subpart C.
Farmlands Protection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Based on the project description this project does not include any activities which 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 CFR Part 658.
Floodplain Management	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Historic Preservation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Noise Abatement and Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Based on the project description, which will not include new construction or major rehabilitation. This project includes not activities that will require further evaluation under HUD's noise regulation. Project is in Compliance with the Noise Control Act of 1972, as amended, and 24 CFR Part 51 Subpart B.
Sole Source Aquifers	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No sole source aquifers are located within Columbus, Bartholomew county, Indian. NEPAAssist map included. Project is in compliance with the Safe Drinking Water Act of 1974 as amended and 40 CFR Part 149.

Wetlands Protection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Based on the project description this project includes no activities that will require further evaluation under this section. NWI and NEPAAssist map are included. Project is in compliance with Executive Order 11990.
Wild and Scenic Rivers Act	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Indiana has no Wild & Scenic Rivers, therefore the project is not within proximity of a wild and scenic river as noted on the website, https://www.rivers.gov/indiana . The information from the website has been uploaded. The project is in compliance with Wild and Scenic Rivers Act of 1968, particularly section 7(b) & (c).
ENVIRONMENTAL JUSTICE		
Environmental Justice	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No adverse environmental impacts which are disproportionately high for low-income and / or minority communities were identified in the project's total environmental review. The NEPAAssist EJ Screen Indexes and the EPA EJScreen Community Report is included. The project is in compliance with Executive Order 12898.

Supporting documentation

[NEPAAssist CHIP Nonattainment Columbus IN PY 2023.pdf](#)

[2023-10-29 FWS - CBRA Map.pdf](#)

[Indiana Coastal Zone Map - Im-boundary and watershed CHIP-PY 2023.pdf](#)

[NEPAAssist CHIP-Critical Habitat 2023.pdf](#)

[Endangered Species Memo and USDOJ-FW Listing PY2023.pdf](#)

[EJScreen Community Report-Columbus CHIP 2023.pdf](#)

[Columbus IN - NEPAAssist EJ Screen Indexes 2023.pdf](#)

[20231207 Columbus Soil Map.pdf](#)

[NEPAAssist-Sole Source Aquifer Columbus IN 2023.pdf](#)

[NEPAAssist-Wetlands Columbus IN 2023.pdf](#)

[Columbus IN - NWI-Wetlands and Riparian Areas.pdf](#)

[Indiana-Wild and Schenic Rivers.pdf](#)

[NEPAAssist-Hazardous Waste Columbus IN 2023.pdf](#)

[NEPAAssist-Transportation-Noise Generators Columbus IN 2023.pdf](#)

Written Strategies

The following strategies provide the policy, standard, or process to be followed in the site-specific review for each law, authority, and factor that will require completion of a site-specific review.

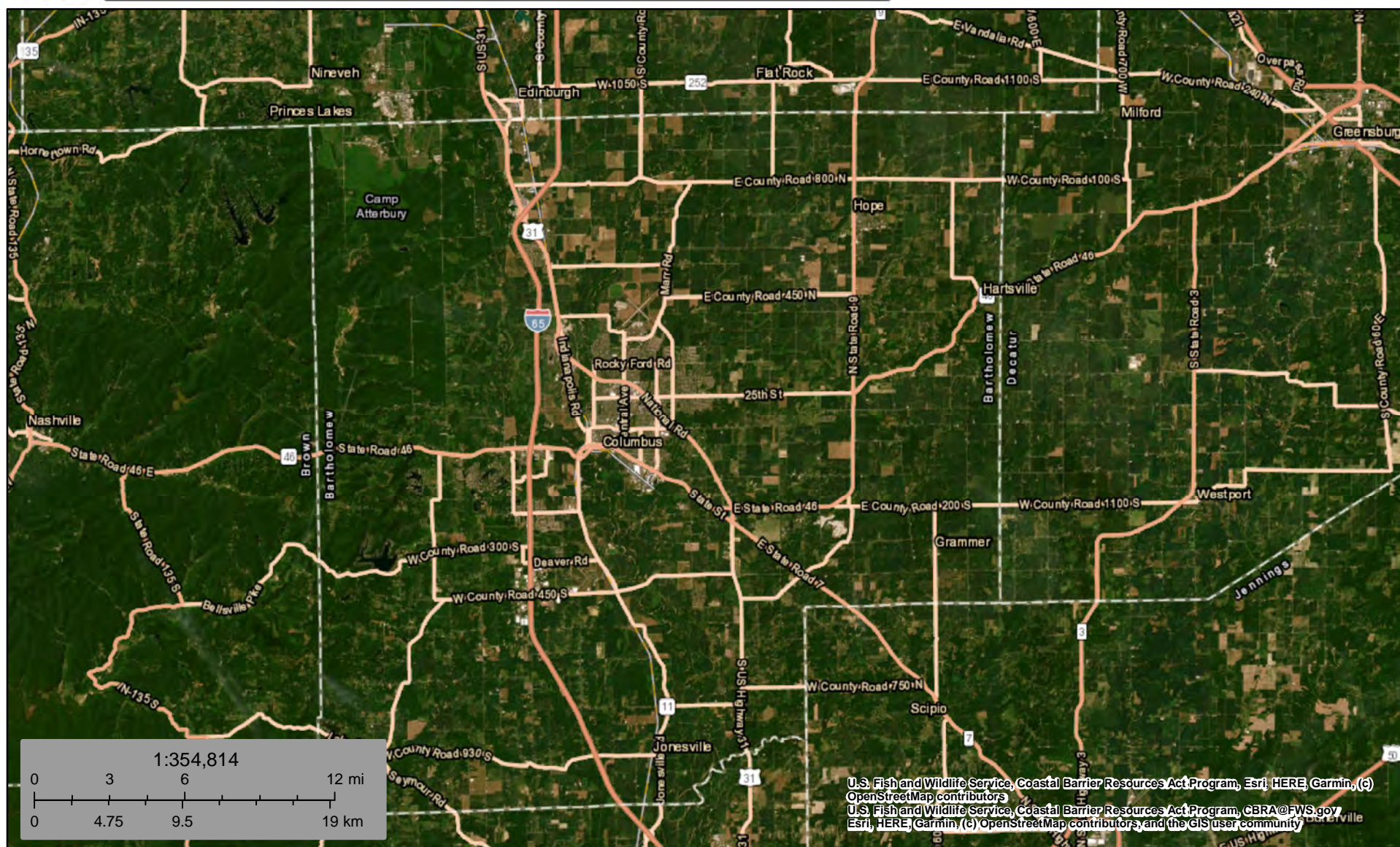
1	Airport Hazards
	Upon determination of individual sites, a locational map of each individual home site noting its relation to the airport hazards will be printed and reviewed to determine if the project site is within the airport hazard zone.
2	Flood Insurance
	Upon determination of individual sites, the property owner will be required to provide a copy of the property insurance and the program administrator will determine if the flood insurance is required for the project location. If unable to determine the Floodplain Manager located in the Columbus / Bartholomew County Planning Department will provide assistance.
3	Floodplain Management
	Upon determination of individual sites, a map with the location of the site delineated will be obtained from FEMA or DNR - Division of Water to determine if project is located with the the flood plain and therefore not eligible for the program. If unable to determine the Floodplain Manager located in the Columbus / Bartholomew County Planning Department will provide assistance.
4	Historic Preservation
	Upon determination of individual sites, Section 106 Review of the site will be conducted including checking the Bartholomew County Sites and Structures Inventory and the DNR - DHPA website to determine if any National or State Register sites are impacted. Correspondence will be conducted with DNR - State Historic Preservation Officer to assist in the determination no historic properties affected or not historic properties adversely affected.

Supporting documentation

APPENDIX A: Site Specific Reviews





City of Columbus, Barth. Co., IN



October 30, 2023

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.

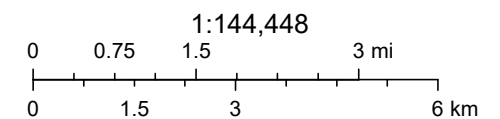
CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward

City of Columbus, IN Non-Attainment Area



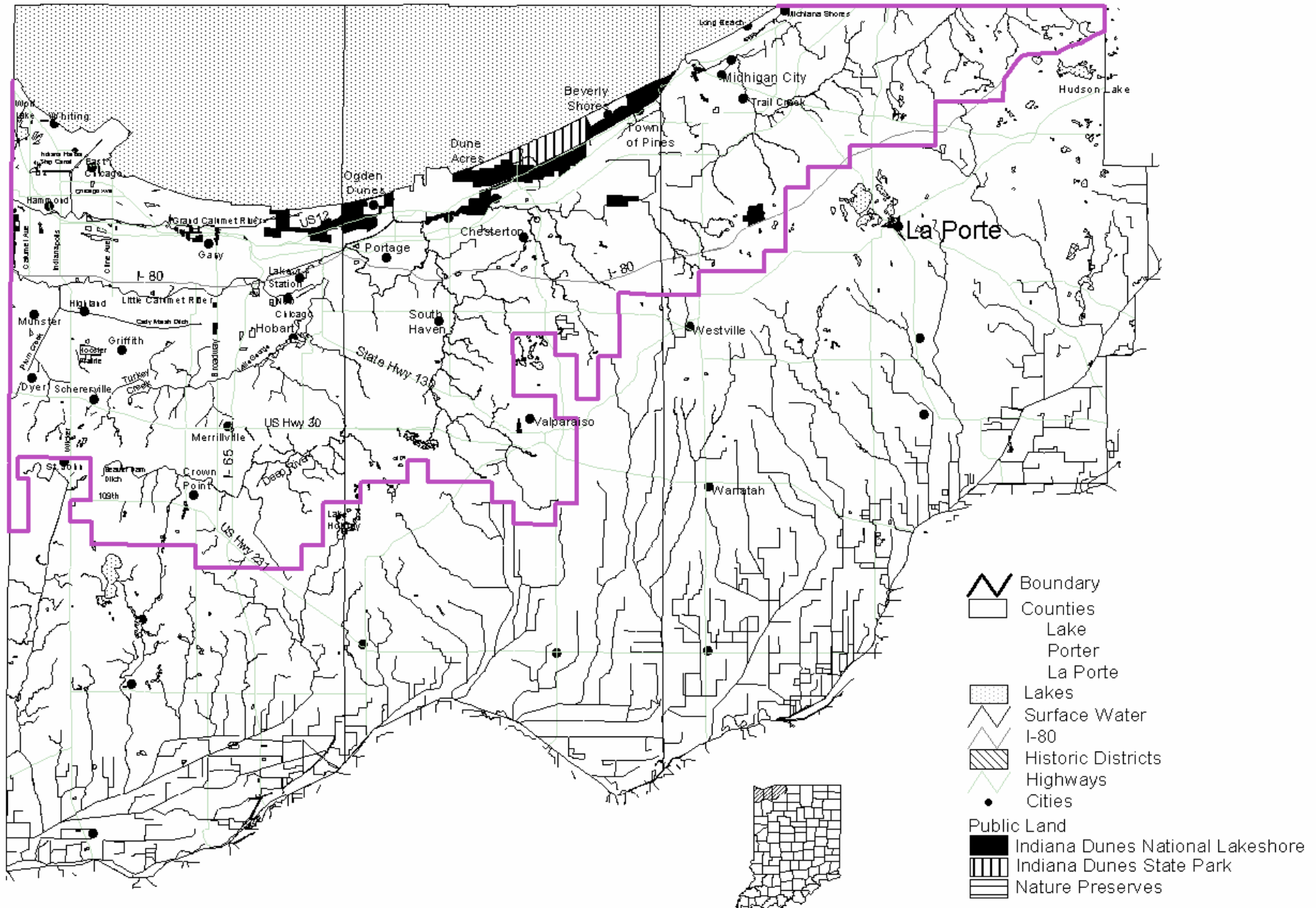
November 21, 2023

 City Boundary

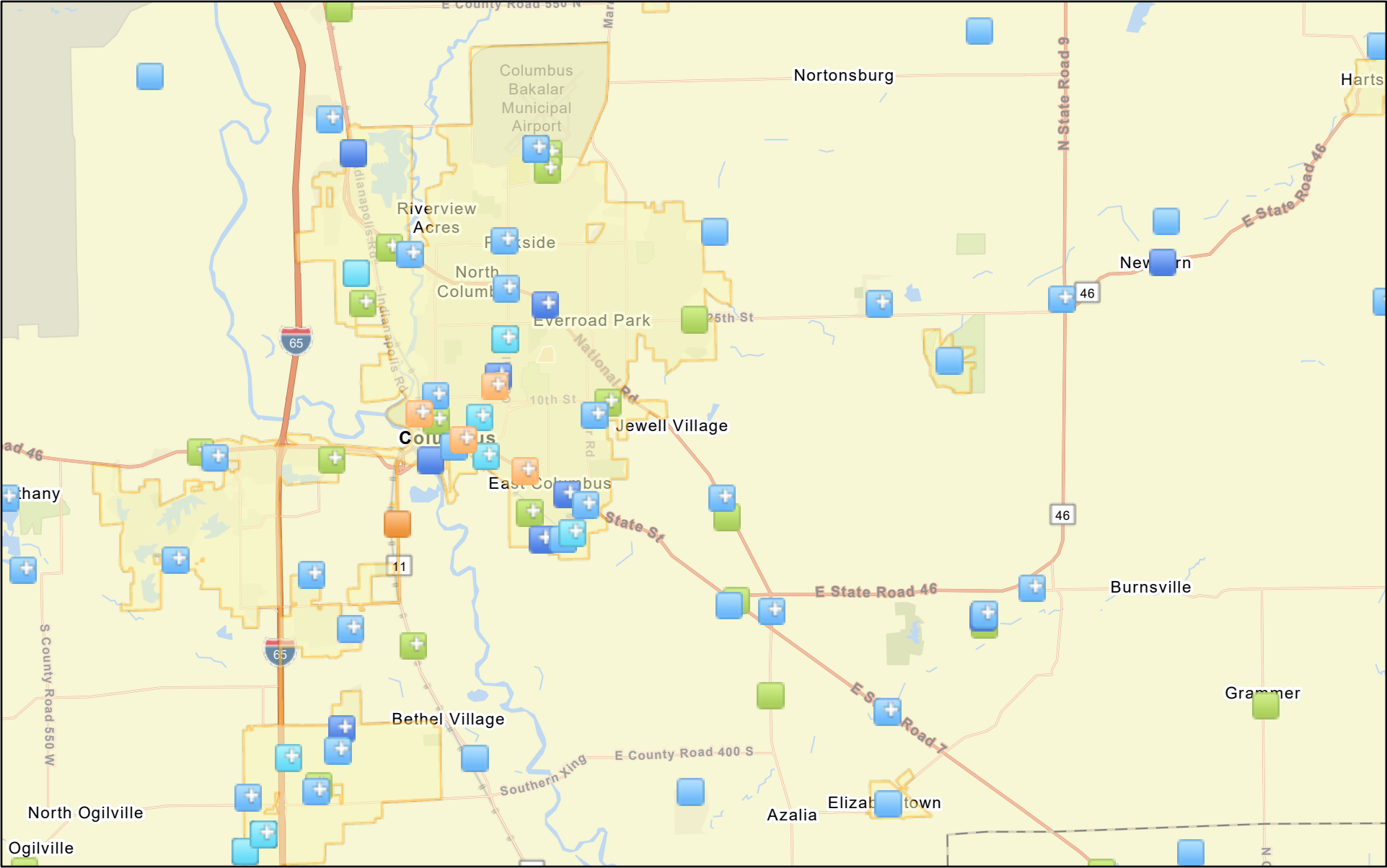


© 2023 Microsoft Corporation © 2023 TomTom, EPA OEI, U.S. EPA Office of Air and Radiation (OAR) - Office of Air Quality Planning and Standards

Lake Michigan Coastal Program Area

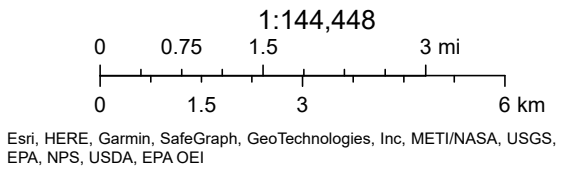


City of Columbus-CHIP-Contamination & Toxc PY2023



November 22, 2023

- | | | | |
|----------------------|---------------------------|----------------------------|----------------------------|
| Brownfields (ACRES) | Toxic Releases (TRI) | Air Pollution (ICIS-AIR) | Hazardous Waste (RCRAInfo) |
| Superfund (NPL) | Water Dischargers (NPDES) | Air Pollution (ICIS-AIR) | City Boundary |
| Toxic Releases (TRI) | Water Dischargers (NPDES) | Hazardous Waste (RCRAInfo) | |





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 TC

date : November 29, 2023

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 are approximately \$114,660 and is projected to be expended throughout the 2023 program year or until funding for this project is depleted. An estimated 10-13 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, Tricolored Bat, Whooping Crane 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 YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION."

For these reasons, the conclusion is suitable habitat is not present in the action area, therefore "species and critical habitat are 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 30, 2023

Project Code: 2024-0021047

Project Name: PY 2023 Columbus, IN (CHIP) 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 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.

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:

<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, 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/program/migratory-bird-permit/what-we-do>.

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/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. **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
- Bald & Golden Eagles
- 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: 2024-0021047

Project Name: PY 2023 Columbus, IN (CHIP) Owner Occupied Rehabilitation

Project Type: Residential Construction

Project Description: The proposed project is the rehabilitation of owner-occupied housing units and associated costs. The rehabilitation tasks primarily consist of roofing replacement; replacement of heating, ventilation and air conditioning units (HVAC); aging in place improvements for residents 55 years of age or 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:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@39.21907035,-85.89319561046727,14z>



Counties: Bartholomew County, Indiana

ENDANGERED SPECIES ACT SPECIES

There is a total of 5 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. [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. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

BIRDS

NAME	STATUS
Whooping Crane <i>Grus americana</i> Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY) No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/758	Experimental Population, Non- Essential

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.

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

BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act¹ and the Migratory Bird Treaty Act².

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats³, should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

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

There are bald and/or golden eagles in your project area.

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
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. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Aug 31
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

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 the supplemental information and specifically the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

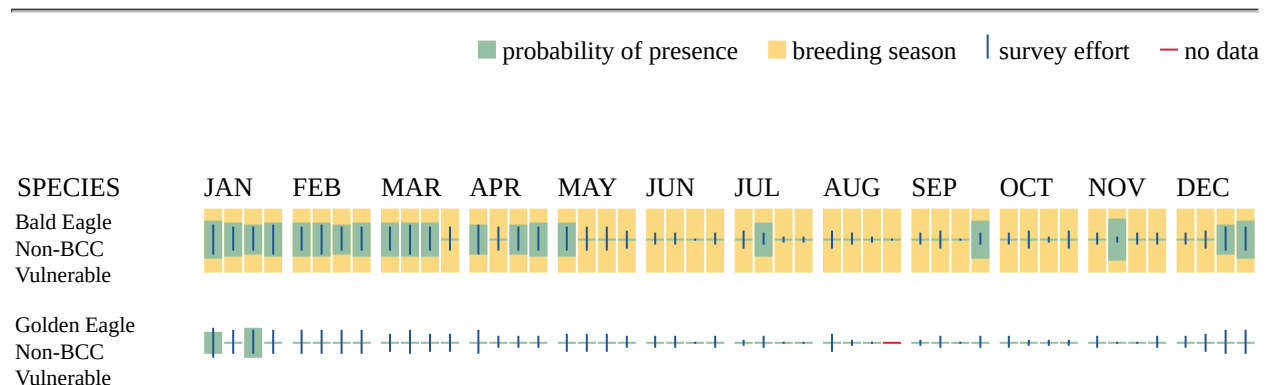
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

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



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
 - Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
 - Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
 - Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>
-

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 habitats³ should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

-
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)

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. https://ecos.fws.gov/ecp/species/10561	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. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 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. https://ecos.fws.gov/ecp/species/9454	Breeds May 20 to Jul 31
Cerulean Warbler <i>Dendroica cerulea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974	Breeds Apr 21 to Jul 20
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9406	Breeds Mar 15 to Aug 25

NAME	BREEDING SEASON
<p>Eastern Whip-poor-will <i>Antrastomus vociferus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/10678</p>	Breeds May 1 to Aug 20
<p>Field Sparrow <i>Spizella pusilla</i></p> <p>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p> <p>https://ecos.fws.gov/ecp/species/9446</p>	Breeds Mar 1 to Aug 15
<p>Golden Eagle <i>Aquila chrysaetos</i></p> <p>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.</p> <p>https://ecos.fws.gov/ecp/species/1680</p>	Breeds elsewhere
<p>Henslow's Sparrow <i>Ammodramus henslowii</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/3941</p>	Breeds May 1 to Aug 31
<p>Kentucky Warbler <i>Oporornis formosus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9443</p>	Breeds Apr 20 to Aug 20
<p>Lesser Yellowlegs <i>Tringa flavipes</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9679</p>	Breeds elsewhere
<p>Pectoral Sandpiper <i>Calidris melanotos</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9561</p>	Breeds elsewhere
<p>Prairie Warbler <i>Dendroica discolor</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9513</p>	Breeds May 1 to Jul 31
<p>Prothonotary Warbler <i>Protonotaria citrea</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9439</p>	Breeds Apr 1 to Jul 31
<p>Red-headed Woodpecker <i>Melanerpes erythrocephalus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p>https://ecos.fws.gov/ecp/species/9398</p>	Breeds May 10 to Sep 10

NAME	BREEDING SEASON
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 https://ecos.fws.gov/ecp/species/9478	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. https://ecos.fws.gov/ecp/species/9431	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 the supplemental information and specifically the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

Breeding Season (■)

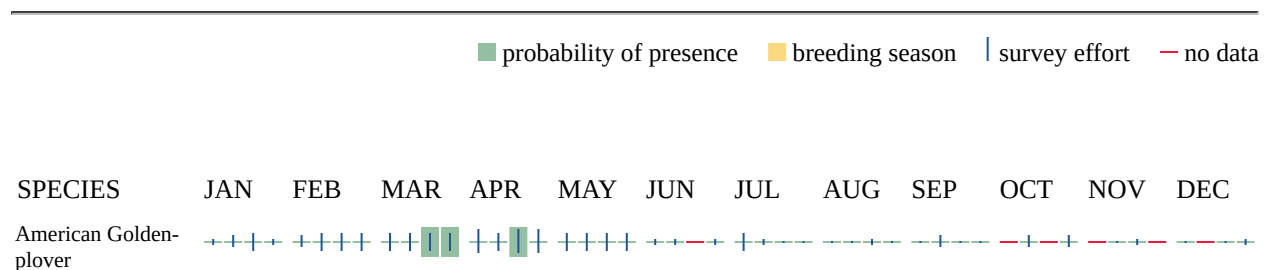
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

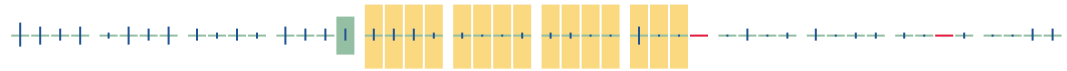
Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data (—)

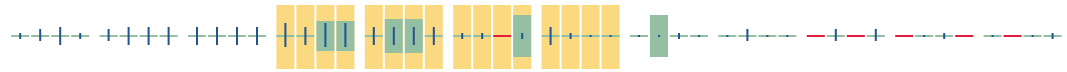
A week is marked as having no data if there were no survey events for that week.

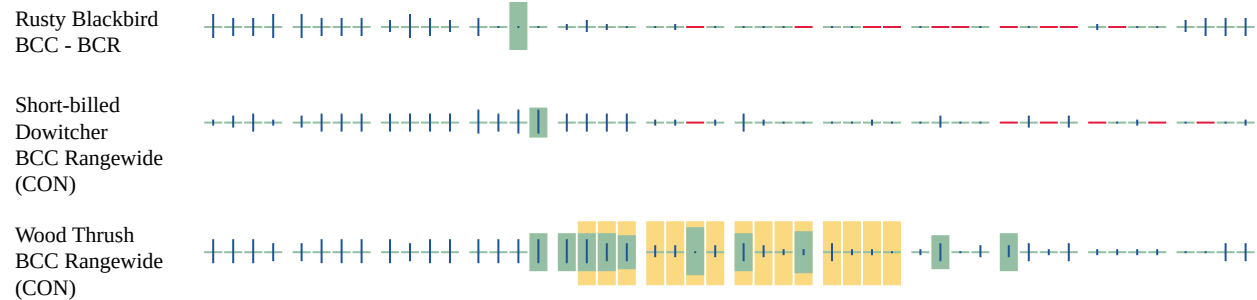


BCC Rangewide
(CON)Bald Eagle
Non-BCC
VulnerableBobolink
BCC Rangewide
(CON)Cerulean Warbler
BCC Rangewide
(CON)Chimney Swift
BCC Rangewide
(CON)Eastern Whip-poor-will
BCC Rangewide
(CON)Field Sparrow
BCC - BCRGolden Eagle
Non-BCC
VulnerableHenslow's Sparrow
BCC Rangewide
(CON)Kentucky Warbler
BCC Rangewide
(CON)Lesser Yellowlegs
BCC Rangewide
(CON)Pectoral Sandpiper
BCC Rangewide
(CON)

SPECIES

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

Prairie Warbler
BCC Rangewide
(CON)Prothonotary
Warbler
BCC Rangewide
(CON)Red-headed
Woodpecker
BCC Rangewide
(CON)



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- 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>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

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.

FRESHWATER POND

- PUBF_x
- PUBF
- PUBF_h
- PUBG_x
- PUBG_h
- PUBK
- PUBG

FRESHWATER FORESTED/SHRUB WETLAND

- PFO1/SS1A

- PFO1C
- PSS1A
- PFO1A
- PSS1C
- PFO1/EM1A

RIVERINE

- R2UBH
- R2USC
- R4SBC
- R5UBH

FRESHWATER EMERGENT WETLAND

- PEM1A
- PEM1C
- PEM1F

LAKE

- L1UBHx
 - L1UBHh
-

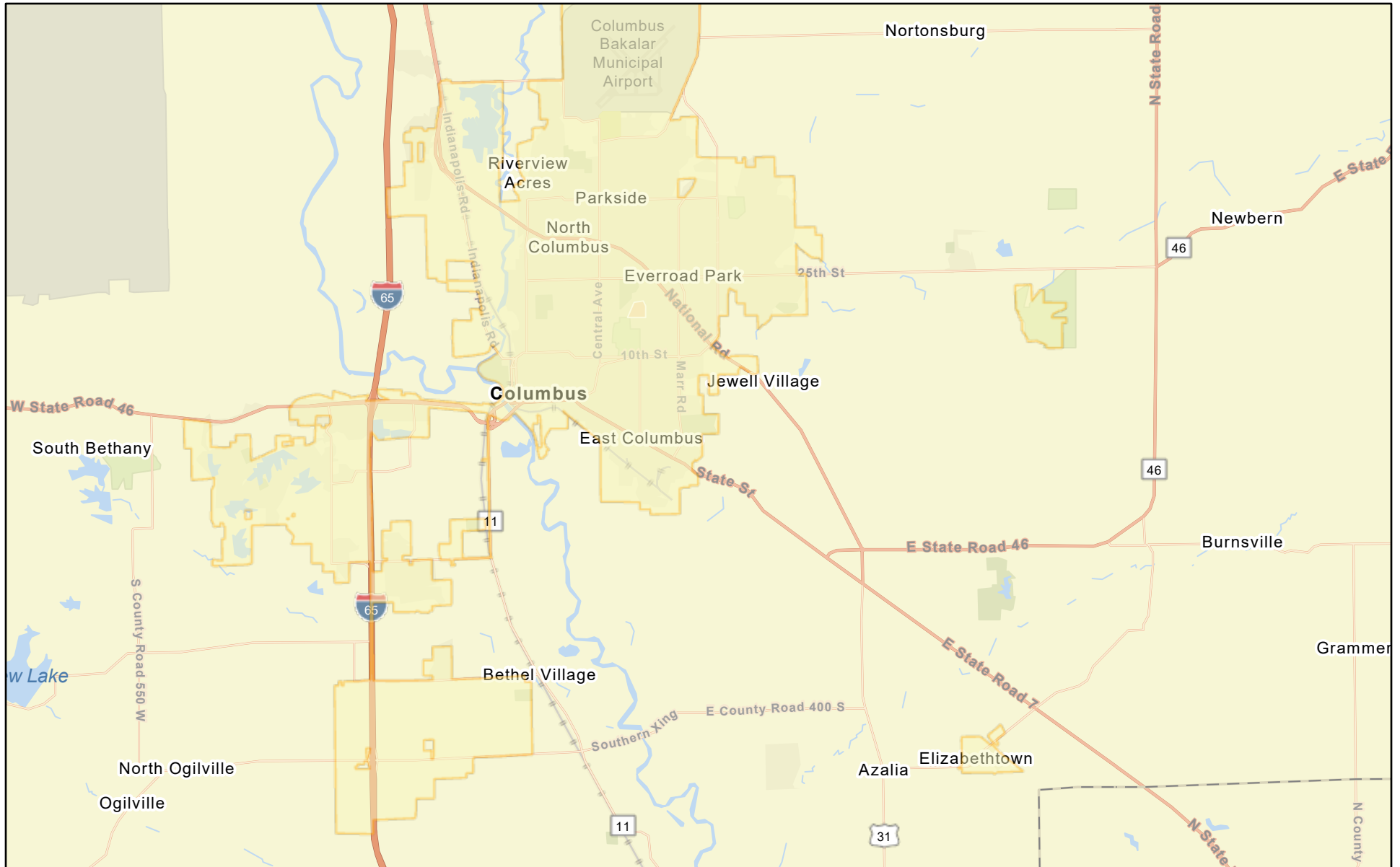
IPAC USER CONTACT INFORMATION

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

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Community Planning and Development

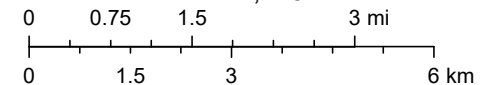
Columbus PY 2023 CHIP - Critical Habitat



November 29, 2023

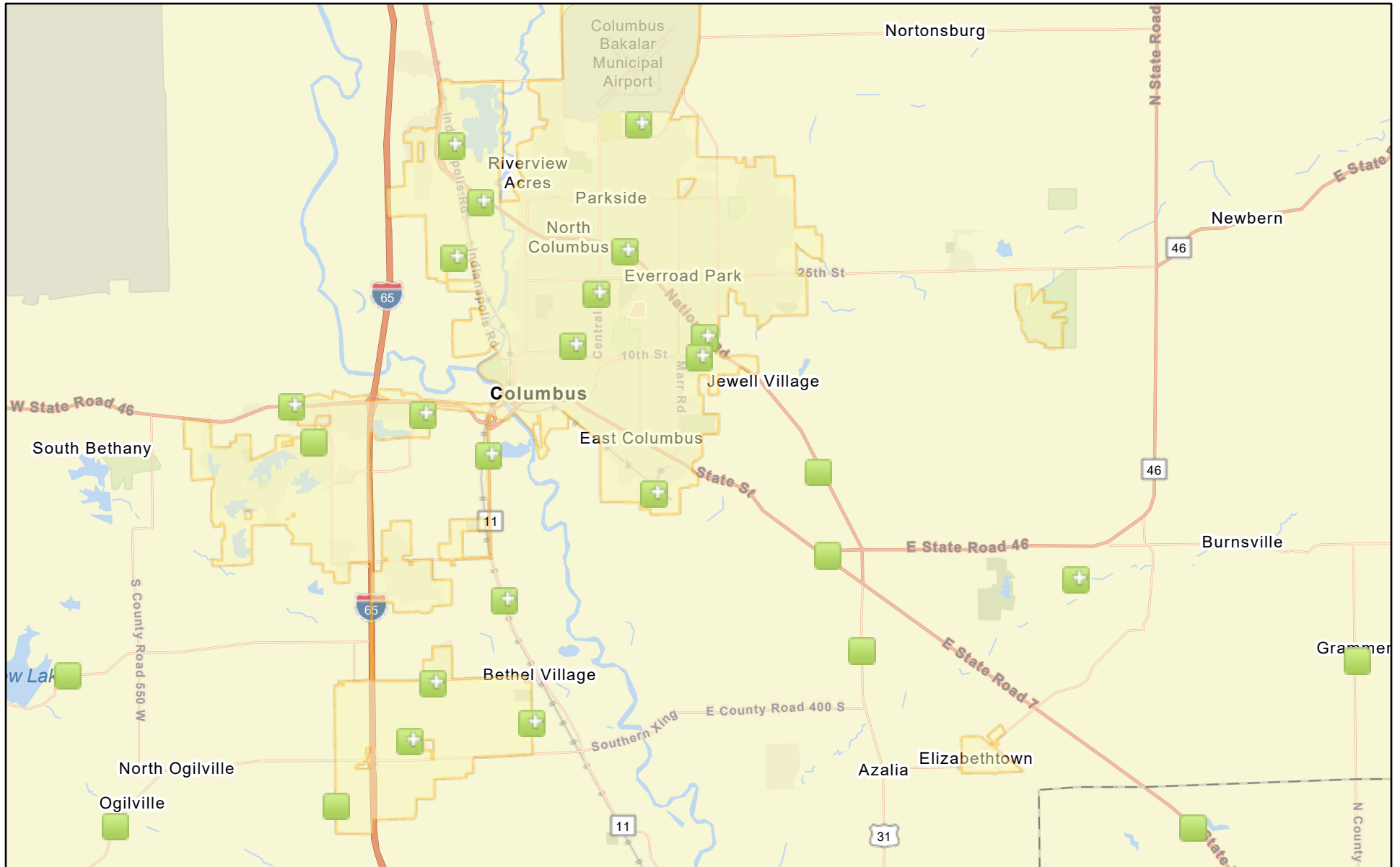
 City Boundary

1:144,448






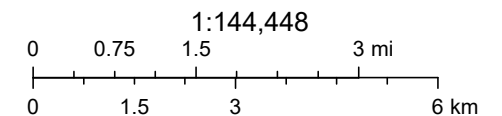
Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, EPA OEI

Columbus-Scattered Sites-Hazardous Sites



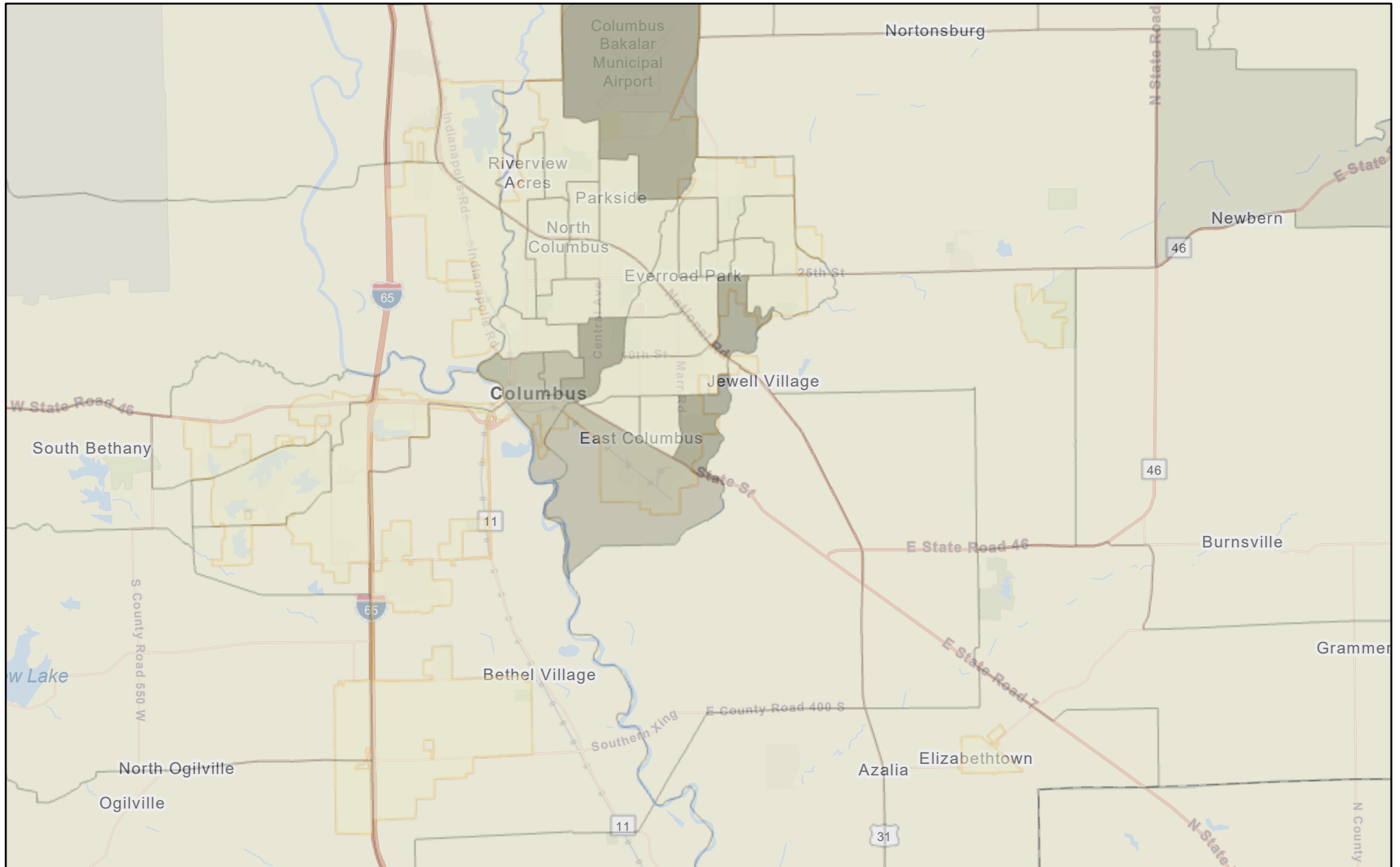
December 4, 2023

-  Hazardous Waste (RCRAInfo)
-  City Boundary
-  Hazardous Waste (RCRAInfo)








Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, EPA OEI

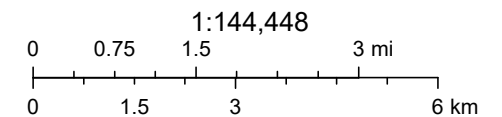
Columbus-Hazardous Waste Proximity



December 7, 2023

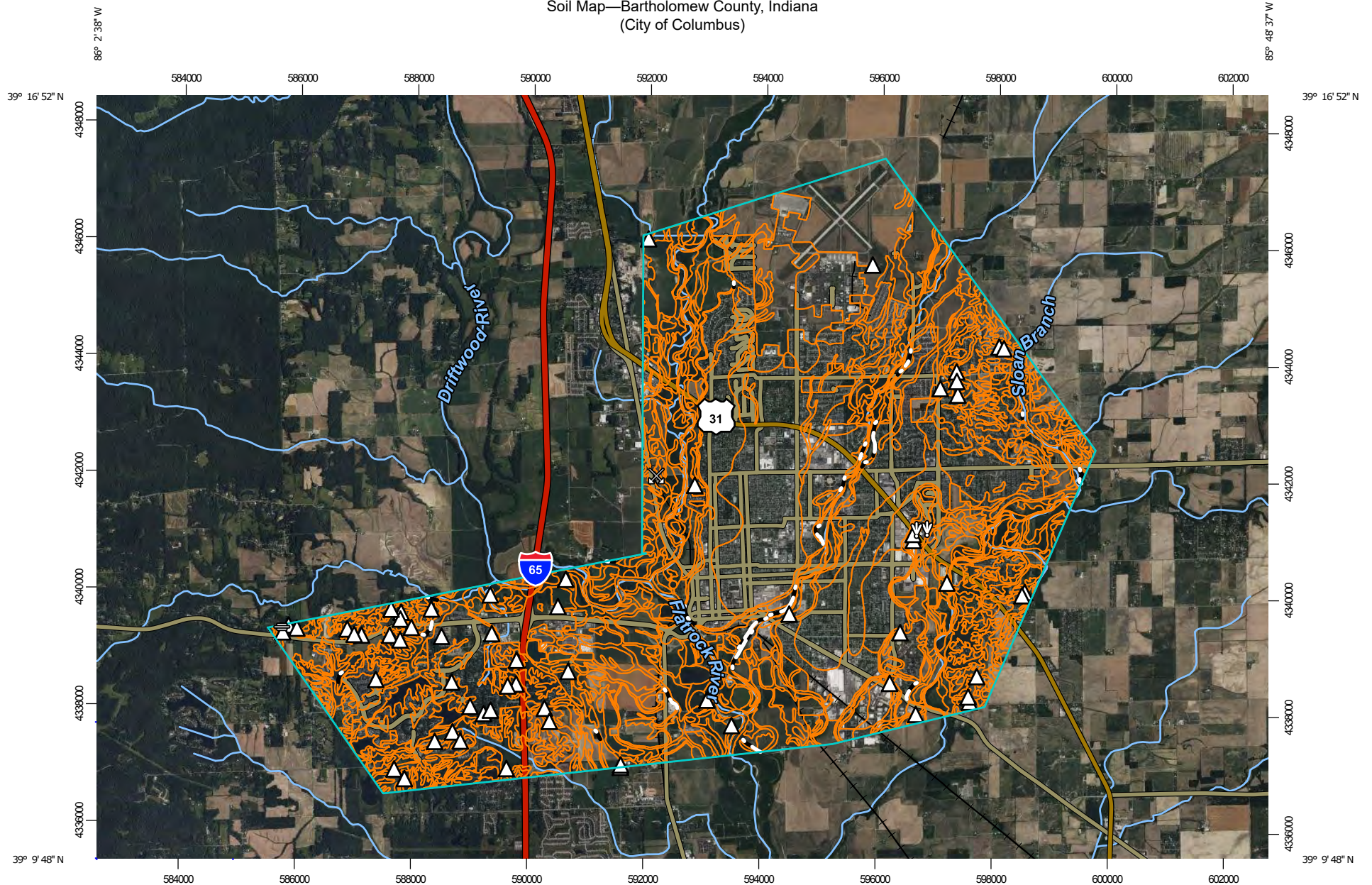
Hazardous Waste Proximity

	Less than 50%ile		50-60%ile		60-70%ile		70-80%ile		City Boundary
------------------------------------------------------------------------------------	------------------	-------------------------------------------------------------------------------------	-----------	-------------------------------------------------------------------------------------	-----------	---------------------------------------------------------------------------------------	-----------	-------------------------------------------------------------------------------------	---------------



Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, U.S. Environmental Protection Agency, Headquarters,

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



Map Scale: 1:92,200 if printed on A landscape (11" x 8.5") sheet.

0 1000 2000 4000 6000 Meters

0 4000 8000 16000 24000 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

12/7/2023
Page 1 of 7

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

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 26, Sep 1, 2023

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

Date(s) aerial images were photographed: Jun 15, 2022—Jun 21, 2022

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
AddA	Avonburg silt loam, 0 to 2 percent slopes	212.5	1.1%
AfsB	Alvin-Princeton fine sandy loams, 2 to 6 percent slopes	196.7	1.0%
AfsC2	Alvin-Princeton fine sandy loams, 6 to 12 percent slopes, eroded	132.5	0.7%
AmkA	Ayrshire fine sandy loam, 0 to 2 percent slopes	152.5	0.8%
BbhA	Bartle silt loam, 0 to 2 percent slopes	8.7	0.0%
BdhAH	Bellcreek silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration	99.7	0.5%
BfbAH	Bellcreek silt loam, 0 to 1 percent slopes, frequently flooded, brief duration	46.2	0.2%
BgeAW	Birds silt loam, 0 to 1 percent slopes, occasionally flooded, very brief duration	24.7	0.1%
BlgC2	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, eroded	221.6	1.1%
BlgC3	Blocher-Cincinnati silt loams, 6 to 12 percent slopes, severely eroded	230.6	1.2%
BlhD2	Blocher-Bonnell silt loams, 12 to 25 percent slopes, eroded	297.6	1.5%
BluC	Bloomfield-Alvin loamy sands, 6 to 12 percent slopes	53.7	0.3%
BnuD3	Bonnell-Hickory-Blocher complex, 12 to 25 percent slopes, severely eroded	71.6	0.4%
BodAV	Bonnie silt loam, 0 to 1 percent slopes, frequently flooded, very brief duration	9.8	0.1%
CldB2	Cincinnati-Blocher silt loams, 2 to 6 percent slopes, eroded	2.7	0.0%
CudA	Crosby silt loam, New Castle Till Plain, 0 to 2 percent slopes	11.4	0.1%
CulB	Crosby-Williamstown silt loams, 2 to 4 percent slopes	10.1	0.1%
CxdA	Cyclone silty clay loam, 0 to 2 percent slopes	17.8	0.1%

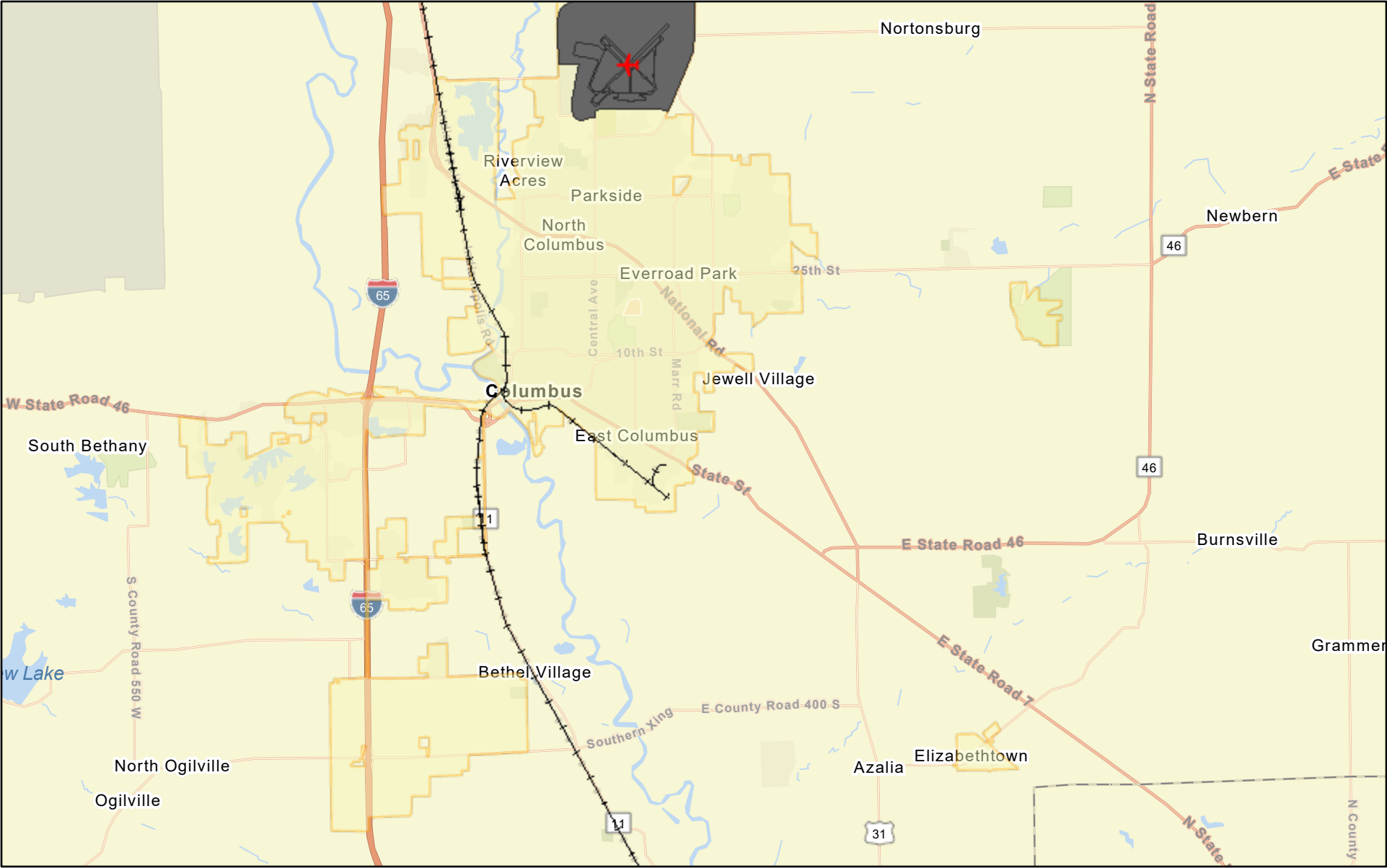
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
EcyAH	Eel loam, 0 to 2 percent slopes, frequently flooded, brief duration	334.7	1.7%
EcyAW	Eel loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	3.7	0.0%
FdbA	Fincastle silt loam, New Castle Till Plain, 0 to 2 percent slopes	71.6	0.4%
FdqB	Fincastle-Xenia silt loams, 2 to 4 percent slopes	59.5	0.3%
FexA	Fox loam, 0 to 2 percent slopes	1,578.6	8.0%
FexB2	Fox loam, 2 to 6 percent slopes, eroded	219.9	1.1%
FgqC3	Fox-Casco sandy loams, 6 to 12 percent slopes, severely eroded	41.4	0.2%
GccAH	Genesee loam, 0 to 2 percent slopes, frequently flooded, brief duration	1,100.8	5.6%
LeaA	Lauer silt loam, 0 to 2 percent slopes	68.0	0.3%
MfwA	Martinsville loam, sandy substratum, 0 to 2 percent slopes	161.5	0.8%
MfwAQ	Martinsville loam, sandy substratum, 0 to 2 percent slopes, rarely flooded	29.1	0.1%
MfwB2	Martinsville loam, sandy substratum, 2 to 6 percent slopes, eroded	34.1	0.2%
MfxA	Martinsville sandy loam, sandy substratum, 0 to 2 percent slopes	21.6	0.1%
MhuA	McGary silt loam, 0 to 2 percent slopes	11.7	0.1%
MjjAH	Medway silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration	371.9	1.9%
MmoC3	Miami clay loam, 6 to 12 percent slopes, severely eroded	83.4	0.4%
MmoD3	Miami clay loam, 12 to 18 percent slopes, severely eroded	11.6	0.1%
MnpB2	Miami silt loam, 2 to 6 percent slopes, eroded	34.3	0.2%
MnpC2	Miami silt loam, 6 to 12 percent slopes, eroded	34.7	0.2%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MnpD2	Miami silt loam, 12 to 18 percent slopes, eroded	6.5	0.0%
NaaB2	Nabb silt loam, 2 to 6 percent slopes, eroded	457.0	2.3%
NpcA	Nineveh gravelly sandy loam, 0 to 2 percent slopes	186.8	1.0%
NpcAQ	Nineveh gravelly sandy loam, 0 to 2 percent slopes, rarely flooded	188.5	1.0%
NpeA	Nineveh sandy loam, 0 to 2 percent slopes	234.6	1.2%
NpeB2	Nineveh sandy loam, 2 to 6 percent slopes, eroded	61.6	0.3%
ObaA	Ockley loam, 0 to 2 percent slopes	26.4	0.1%
Omz	Orthents, earthen dam	16.1	0.1%
PcrB2	Pekin silt loam, 2 to 6 percent slopes, eroded	11.4	0.1%
PcrC2	Pekin silt loam, 6 to 12 percent slopes, eroded	2.9	0.0%
Ppu	Pits, sand and gravel	49.8	0.3%
ReyA	Rensselaer loam, 0 to 1 percent slopes	144.4	0.7%
ReyAQ	Rensselaer loam, 0 to 1 percent slopes, rarely flooded	4.4	0.0%
RqaG	Rodman sandy loam, 25 to 50 percent slopes	41.3	0.2%
RtxAH	Rosburg silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	965.4	4.9%
Rywb2	Russell silt loam, 2 to 6 percent slopes, eroded	52.6	0.3%
SifE	Senachwine loam, 18 to 25 percent slopes	6.5	0.0%
SifG	Senachwine loam, 25 to 70 percent slopes	120.6	0.6%
SldAH	Shoals silt loam, 0 to 2 percent slopes, frequently flooded, brief duration	807.1	4.1%
SldAW	Shoals silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	12.1	0.1%
SnfA	Sleeth loam, 0 to 2 percent slopes	41.9	0.2%
SocAH	Sloan silty clay loam, 0 to 1 percent slopes, frequently flooded, brief duration	270.1	1.4%





Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
StdAQ	Stendal silt loam, 0 to 2 percent slopes, rarely flooded	14.5	0.1%
SuoAH	Stonelick fine sandy loam, 0 to 2 percent slopes, frequently flooded	412.6	2.1%
Uaz	Udorthents, sandy	182.1	0.9%
Uby	Udorthents, loamy	320.3	1.6%
UemB	Urban land-Alvin-Princeton complex, 2 to 6 percent slopes	237.6	1.2%
UemC	Urban land-Alvin-Princeton complex, 6 to 12 percent slopes	89.0	0.5%
UenA	Urban land-Fox complex, 0 to 2 percent slopes	2,673.5	13.6%
UenB	Urban land-Fox complex, 2 to 6 percent slopes	323.5	1.6%
UepC	Urban land-Fox-Casco complex, 6 to 12 percent slopes	100.6	0.5%
UfcB	Urban land-Cincinnati-Nabb complex, 2 to 12 percent slopes	751.7	3.8%
UfdA	Urban land-Cobbsfork-Avonburg complex, 0 to 2 percent slopes	149.1	0.8%
UhyA	Urban land-Martinsville, sandy substratum, complex, 0 to 2 percent slopes	493.3	2.5%
UkpA	Urban land-Ockley complex, 0 to 2 percent slopes	301.6	1.5%
UkqA	Urban land-Nineveh complex, 0 to 2 percent slopes	2,011.7	10.2%
UkqB	Urban land-Nineveh complex, 2 to 6 percent slopes	50.0	0.3%
UmqA	Urban land-Sleeth complex, 0 to 2 percent slopes	220.8	1.1%
UnnA	Urban land-Westland complex, 0 to 1 percent slopes	77.0	0.4%
W	Water	778.4	4.0%
WaaAW	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	281.0	1.4%
WokAW	Wilbur silt loam, 0 to 2 percent slopes, occasionally flooded, very brief duration	2.7	0.0%
WqlA	Westland clay loam, 0 to 1 percent slopes	11.8	0.1%

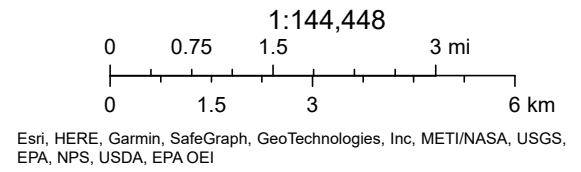
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
WqIAQ	Westland clay loam, 0 to 1 percent slopes, rarely flooded	71.6	0.4%
WsuA	Whitaker loam, 0 to 2 percent slopes	139.8	0.7%
WsyAQ	Whitaker sandy loam, 0 to 2 percent slopes, rarely flooded	77.3	0.4%
WufB2	Williamstown silt loam, 2 to 6 percent slopes, eroded	20.2	0.1%
XabB2	Xenia silt loam, 2 to 6 percent slopes, eroded	80.5	0.4%
ZboA	Zipp silty clay loam, 0 to 1 percent slopes	3.5	0.0%
Totals for Area of Interest		19,657.9	100.0%

Columbus IN - Noise Generators



December 7, 2023

-  Airport Points
-  Railroads
-  Airport Polygons
-  City Boundary

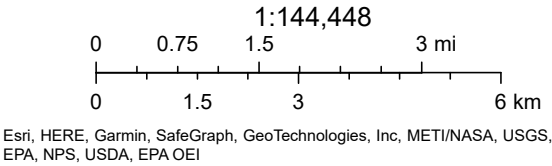


Columbus-Sole Source Aquifer



December 7, 2023

 City Boundary

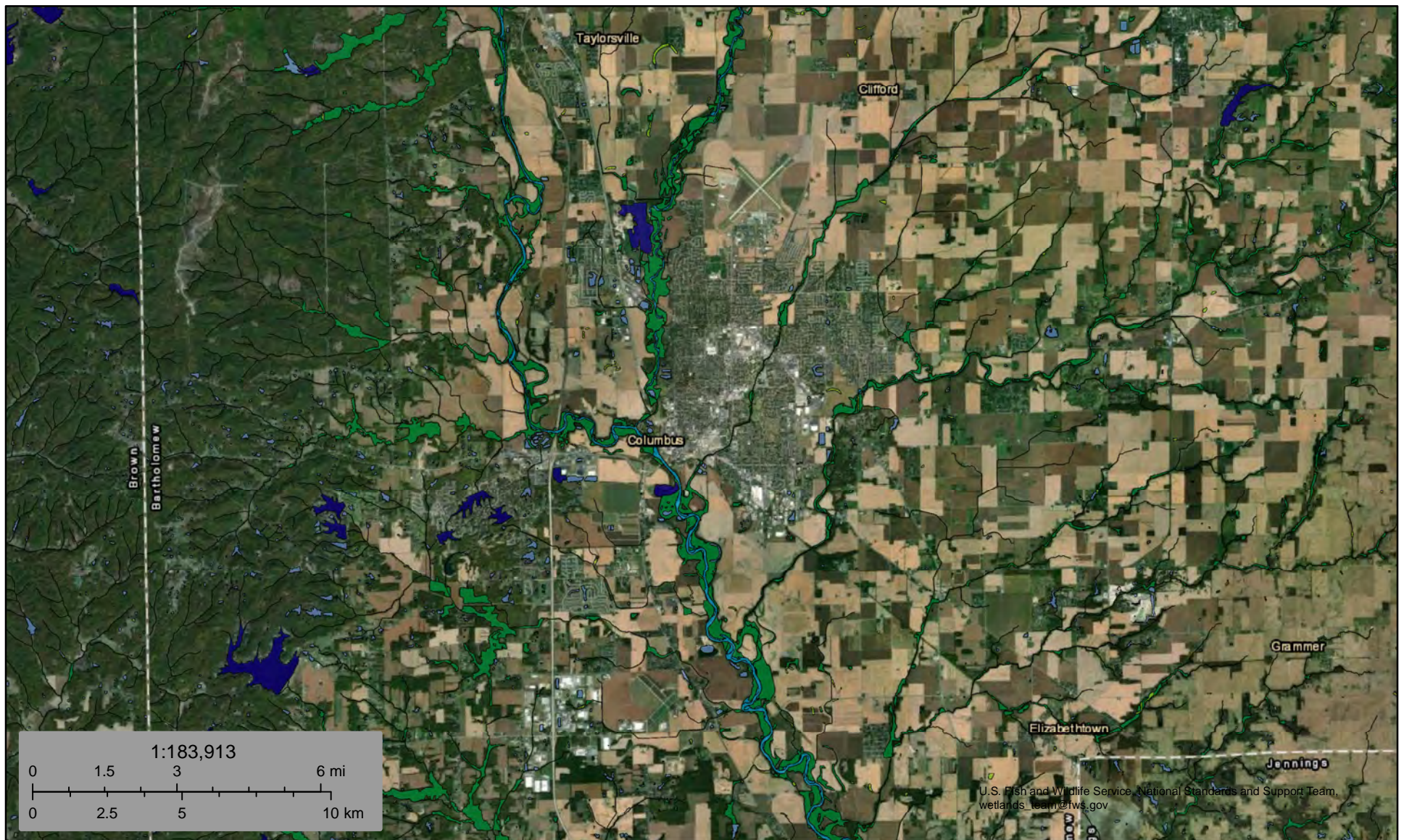




U.S. Fish and Wildlife Service

National Wetlands Inventory

Columbus IN - Wetlands - Riparian Areas



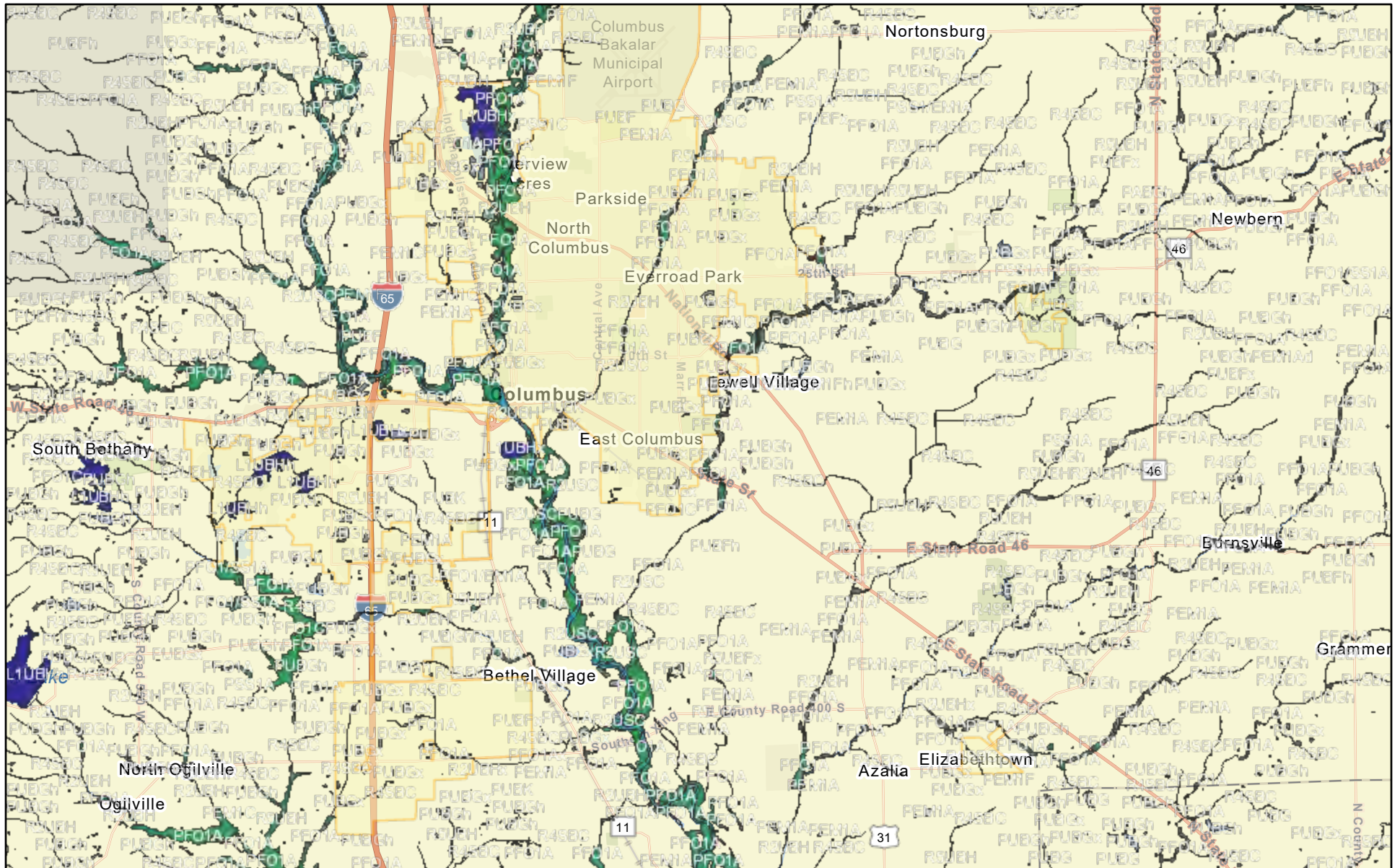
December 7, 2023

Wetlands

- | | | |
|--------------------------------|-----------------------------------|----------|
| Estuarine and Marine Deepwater | Freshwater Emergent Wetland | Lake |
| Estuarine and Marine Wetland | Freshwater Forested/Shrub Wetland | Other |
| | Freshwater Pond | 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 IN - Wetlands



December 7, 2023

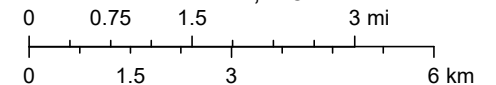
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland

- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake

- Other
- Riverine
- City Boundary

1:144,448



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



Indiana is river rich. The entire southern border is the Ohio River (as is part of the eastern border), and more than a third of the western border is the Wabash River. The Ohio River carries much of the commerce in the middle of the country. The November 7, 1811, Battle of Tippecanoe, fought along the Tippecanoe River (then called *Keth-tip-pe-can-nunk*) had far-lasting implications with Native American policy and the approaching conflict known as the War of 1812.



The state song, *On the Banks of the Wabash, Far Away*, was designated in 1913. Many other songs have been written about the Wabash River, and performed by such artists as Johnny Cash, John Hiatt, Kate Smith, and Bing Crosby.

Despite the importance of rivers to Indiana's history and economy, there are no designated wild and scenic rivers out of the state's approximate 35,673 miles of rivers.

Indiana's **Natural, Scenic, and Recreational River System** [↗](#) designates sections of three rivers—Blue River, Cedar Creek, and Wildcat Creek. The Blue River is the only one of the three designated streams to have a **River Commission** [↗](#).

[National Awards \(/national-awards\)](/national-awards) | [The Numbers \(/numbers\)](/numbers) |
[Nationwide Rivers Inventory \(/nri\)](/nri) | [Documents \(/documents\)](/documents)

PARTNERS

Bureau of Land Management (<https://blm.gov/programs/national-conservation-lands/wild-and-scenic-rivers>)

National Park Service (<https://www.nps.gov/orgs/1912/index.htm>)

NPS Partnership Rivers (<https://www.nps.gov/orgs/1912/partnership-wild-and-scenic-rivers.htm>)

U.S. Fish & Wildlife Service (<https://fws.gov>)

U.S. Forest Service (<https://www.fs.usda.gov/managing-land/wild-scenic-rivers>)

River Management Society (<http://river-management.org/>)

REFERENCES

Bibliography (/bibliography)

Interagency Council (/council)

Stewardship (/stewardship)

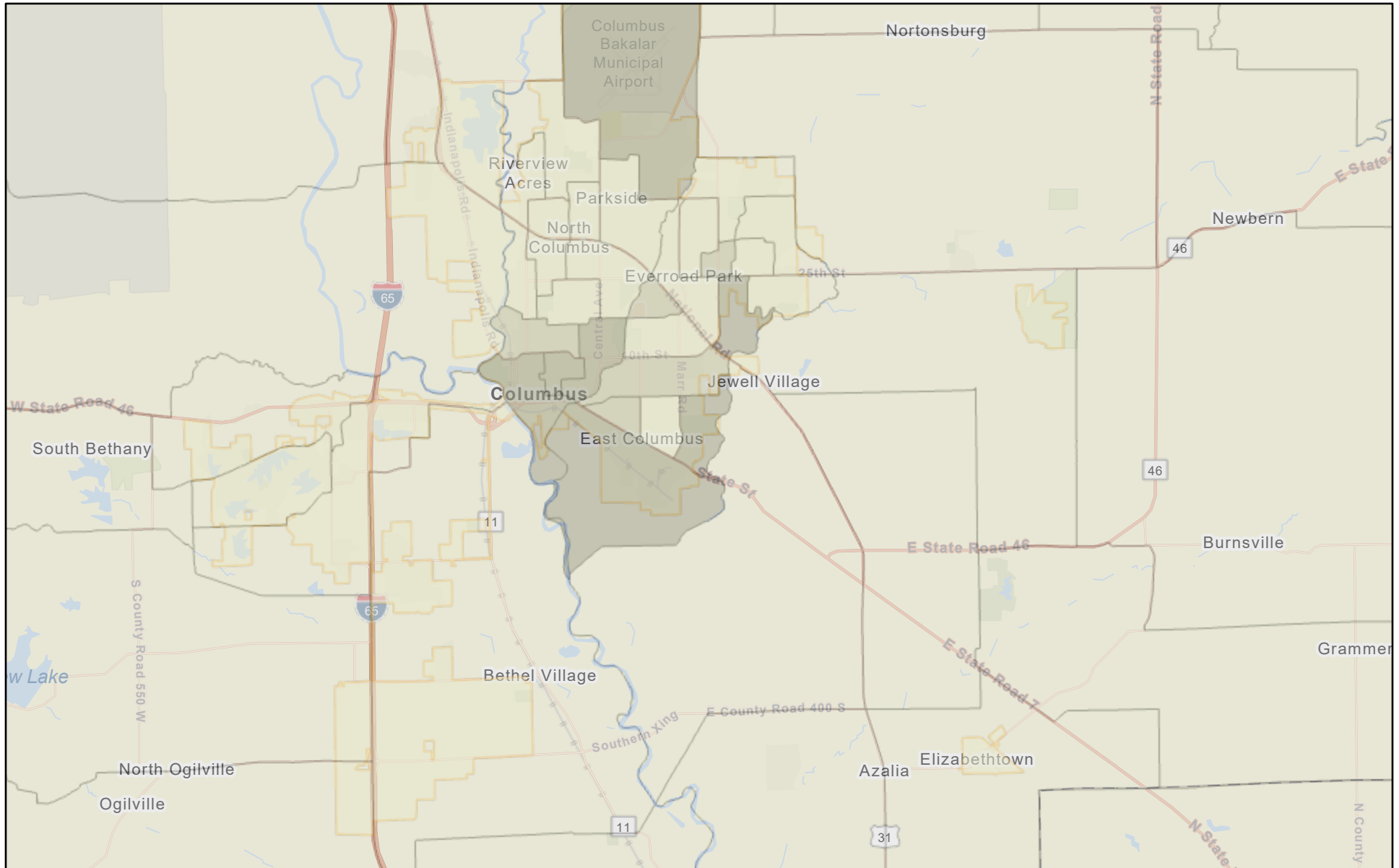
News (/news)

Videos (/video)

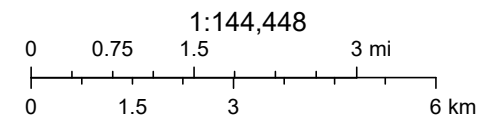
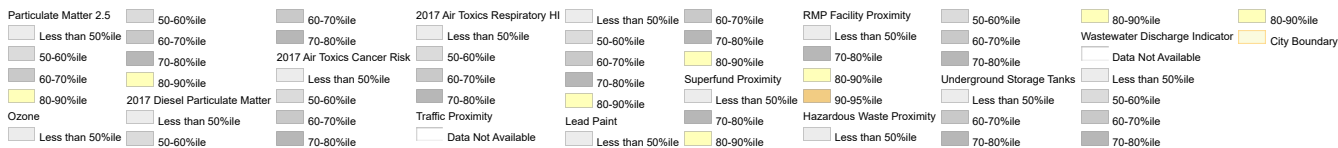
Vulnerability Disclosure Policy (/vulnerability-disclosure-policy)



Columbus IN - NEPAssist EJ Screen Indexes



December 7, 2023



Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, U.S. Environmental Protection Agency, Headquarters,



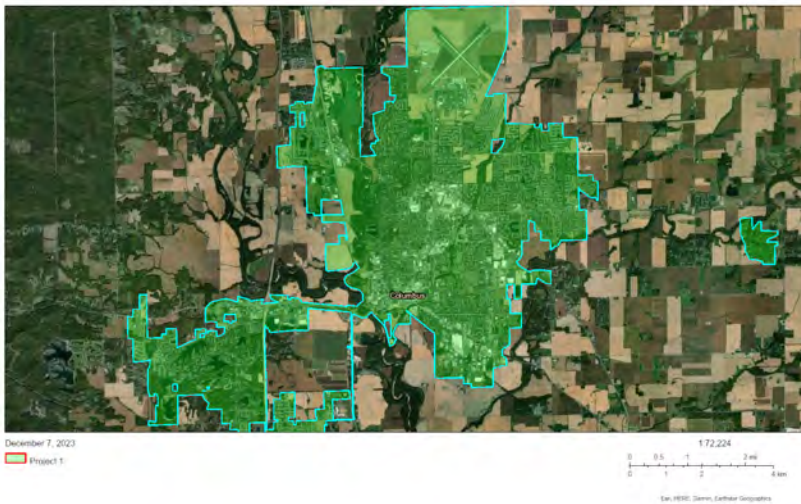
EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

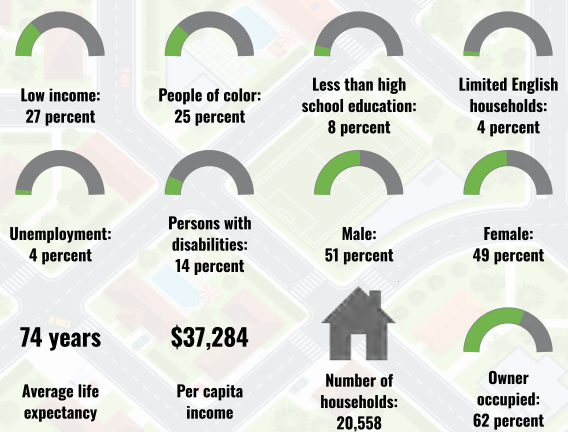
Columbus, IN

City: Columbus
Population: 49,977
Area in square miles: 28.75

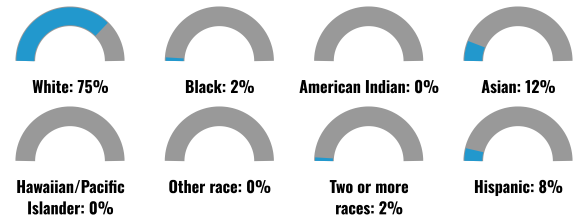
A3 Landscape



COMMUNITY INFORMATION



BREAKDOWN BY RACE



BREAKDOWN BY AGE



LIMITED ENGLISH SPEAKING BREAKDOWN



Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race. Source: U.S. Census Bureau, American Community Survey (ACS) 2017-2021. Life expectancy data comes from the Centers for Disease Control.

LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	84%
Spanish	5%
Other Indo-European	4%
Chinese (including Mandarin, Cantonese)	2%
Other Asian and Pacific Island	3%
Total Non-English	16%

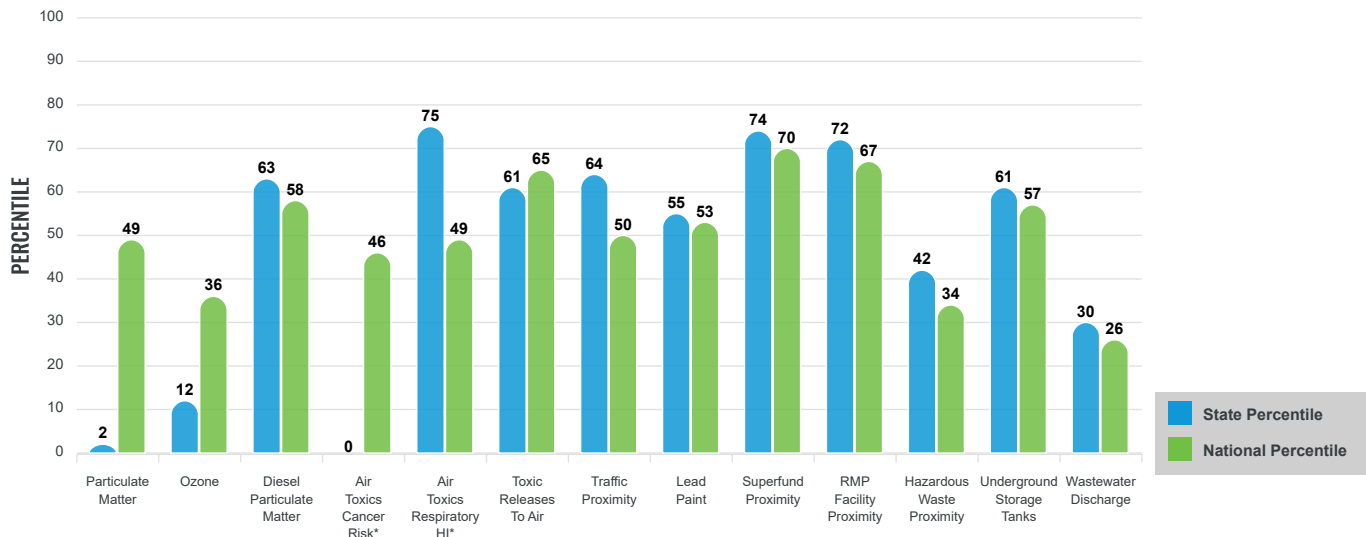
Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the [EJScreen website](#).

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

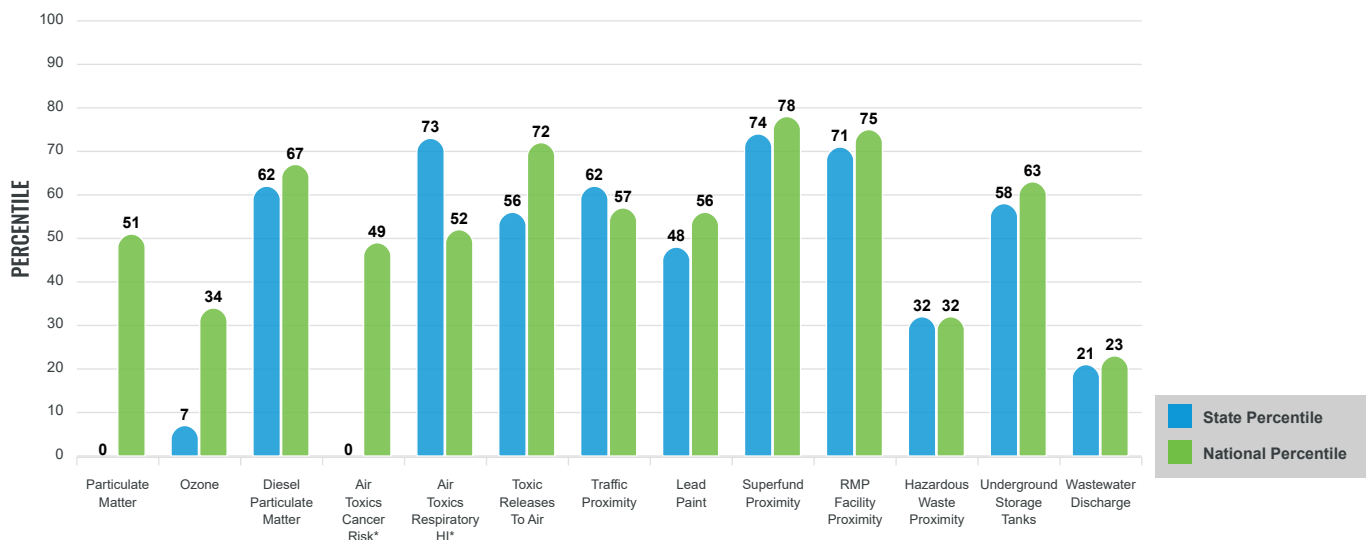
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for City: Columbus

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter ($\mu\text{g}/\text{m}^3$)	8.01	8.98	1	8.08	45
Ozone (ppb)	58.5	61.4	6	61.6	28
Diesel Particulate Matter ($\mu\text{g}/\text{m}^3$)	0.266	0.259	58	0.261	61
Air Toxics Cancer Risk* (lifetime risk per million)	21	21	0	25	5
Air Toxics Respiratory HI*	0.3	0.25	53	0.31	31
Toxic Releases to Air	2,700	16,000	56	4,600	77
Traffic Proximity (daily traffic count/distance to road)	89	96	66	210	54
Lead Paint (% Pre-1960 Housing)	0.27	0.38	42	0.3	55
Superfund Proximity (site count/km distance)	0.23	0.17	83	0.13	88
RMP Facility Proximity (facility count/km distance)	0.9	0.51	83	0.43	86
Hazardous Waste Proximity (facility count/km distance)	0.17	1	35	1.9	31
Underground Storage Tanks (count/km ²)	3.4	3.2	68	3.9	69
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00043	200	35	22	41
SOCIOECONOMIC INDICATORS					
Demographic Index	26%	27%	60	35%	44
Supplemental Demographic Index	13%	14%	48	14%	50
People of Color	25%	22%	69	39%	44
Low Income	27%	32%	45	31%	50
Unemployment Rate	4%	5%	59	6%	53
Limited English Speaking Households	4%	2%	85	5%	71
Less Than High School Education	8%	11%	46	12%	49
Under Age 5	7%	6%	66	6%	69
Over Age 64	16%	17%	53	17%	51
Low Life Expectancy	21%	21%	49	20%	62

*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>.

Sites reporting to EPA within defined area:

Superfund	1
Hazardous Waste, Treatment, Storage, and Disposal Facilities	2
Water Dischargers	218
Air Pollution	24
Brownfields	11
Toxic Release Inventory	31

Other community features within defined area:

Schools	14
Hospitals	2
Places of Worship	6

Other environmental data:

Air Non-attainment	No
Impaired Waters	Yes

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community	Yes
Selected location contains an EPA IRA disadvantaged community	Yes

Report for City: Columbus

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	21%	21%	49	20%	62
Heart Disease	6.3	6.8	32	6.1	54
Asthma	9.4	10.4	14	10	33
Cancer	6.8	6.4	57	6.1	64
Persons with Disabilities	13.4%	14.5%	45	13.4%	55

CLIMATE INDICATORS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	5%	9%	43	12%	44
Wildfire Risk	0%	2%	0	14%	0

CRITICAL SERVICE GAPS					
INDICATOR	HEALTH VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	11%	16%	38	14%	48
Lack of Health Insurance	7%	8%	49	9%	50
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	Yes	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Footnotes

Report for City: Columbus