

**APPENDIX A**  
**INDIAN ROCK DAM/CODORUS CREEK FLOOD RISK MANAGEMENT**  
**PROJECT**  
**PROGRAMMATIC ENVIRONMENTAL ASSESSMENT**  
**APRIL 2024**

**Appendix A1:** Codorus Creek Flood Risk Management Project Maps

**Appendix A2:** Soil Map

**Appendix A3:** U.S. Fish and Wildlife Service Coordination

**Appendix A4:** Pennsylvania Natural Diversity Inventory (PNDI) Receipt and Coordination

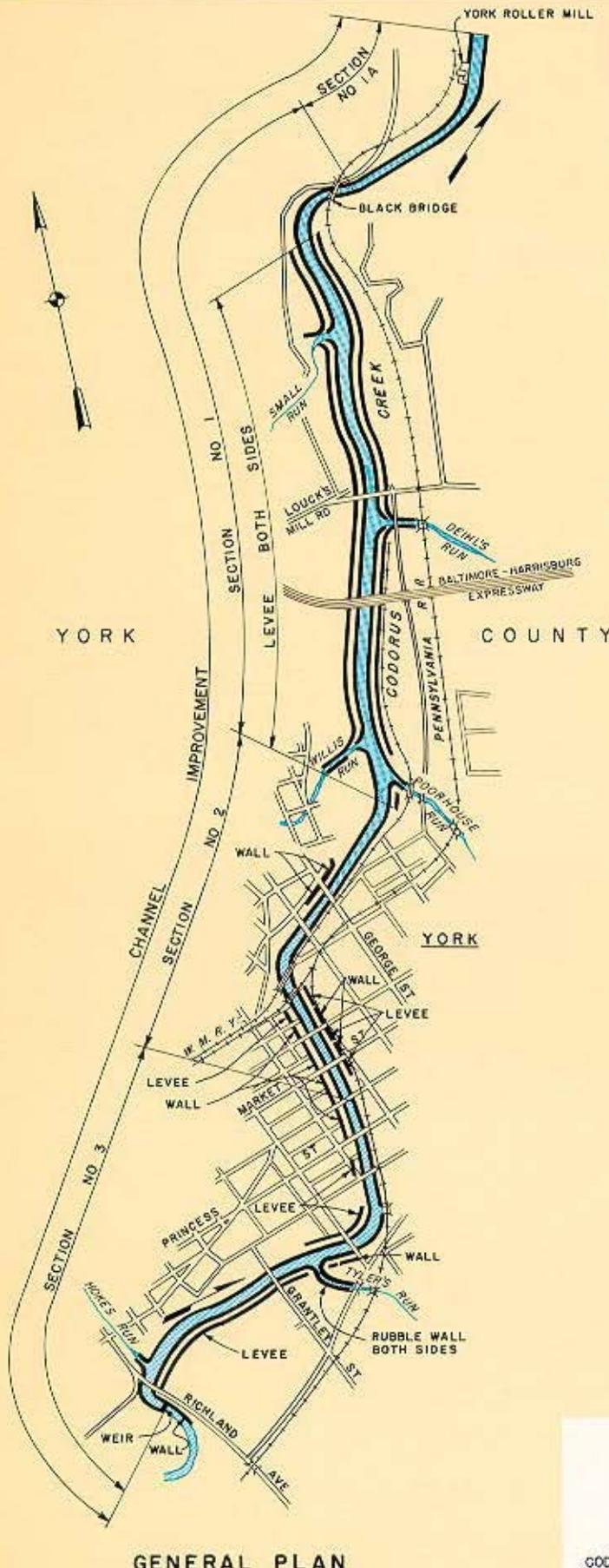
**Appendix A5:** Economically Disadvantaged Communities in the City of York, and West York, PA

**Appendix A6:** Tribal Nation and Pennsylvania State Historic Preservation Office (SHPO) Coordination

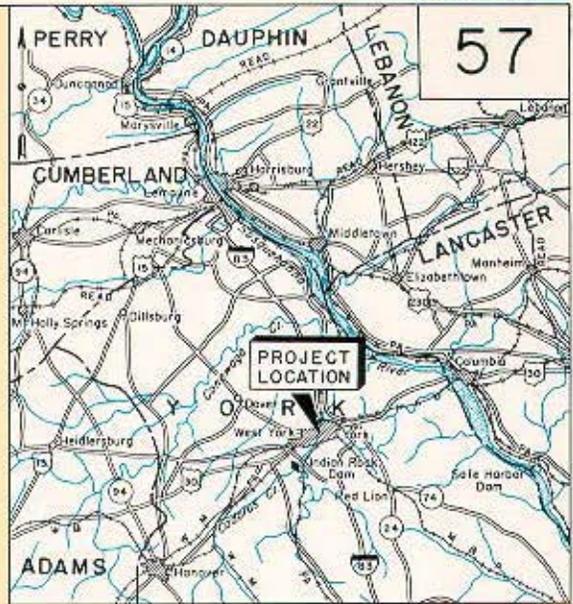
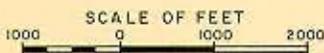
**Appendix A7:** Public Notice

## **Appendix A1. Codorus Creek Flood Risk Management Project Maps**

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**GENERAL PLAN**



**VICINITY MAP**

SCALE OF MILES



**SECTION CHANNEL AND LEVEE**

NOT TO SCALE

STREAM	DRAINAGE AREA	DESIGN DISCHARGE	MINIMUM FREEBOARD
Godorus Creek	229 SqMi	24,000 CFS	3.0 Ft.

**LEGEND**

WORK COMPLETED

**SUSQUEHANNA RIVER BASIN  
YORK, PA.  
GENERAL PLAN & SECTION**

REVISED: SEPTEMBER 1985

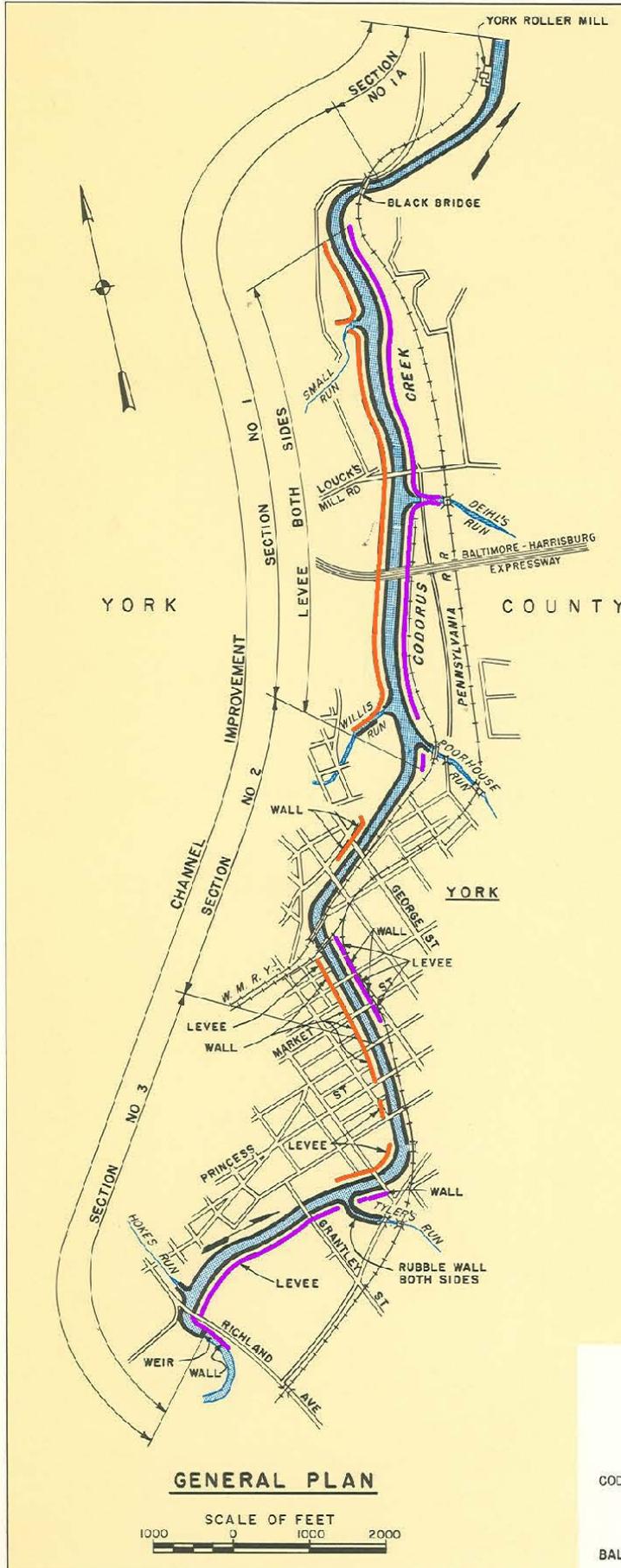
CODORUS CREEK

PENNSYLVANIA

SCALE: AS SHOWN

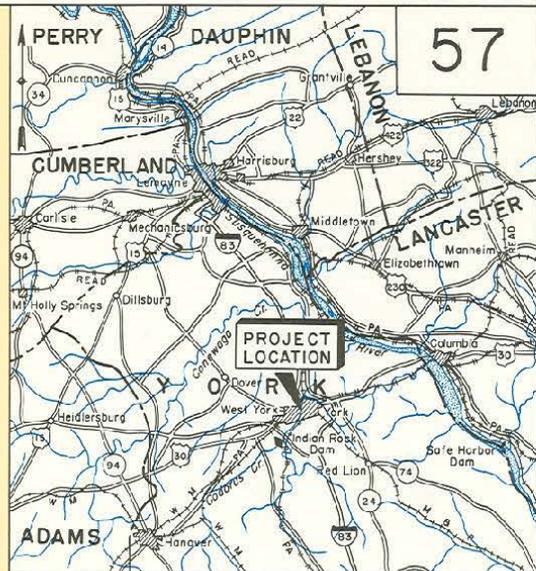
BALTIMORE DISTRICT OFFICE

BALTIMORE, MARYLAND



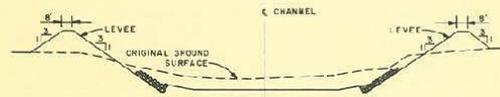
**GENERAL PLAN**

SCALE OF FEET  
1000 0 1000 2000



**VICINITY MAP**

SCALE OF MILES  
0 8 16



**SECTION CHANNEL AND LEVEE**  
NOT TO SCALE

STREAM	DRAINAGE AREA	DESIGN DISCHARGE	MINIMUM FREEBOARD
Codrus Creek	229 SqMi	24,000 CFS	3.0 Ft.

**System**

- East York
- West York

**SUSQUEHANNA RIVER BASIN  
YORK, PA.  
GENERAL PLAN & SECTION**

REVISED: SEPTEMBER 1985

CODRUS CREEK

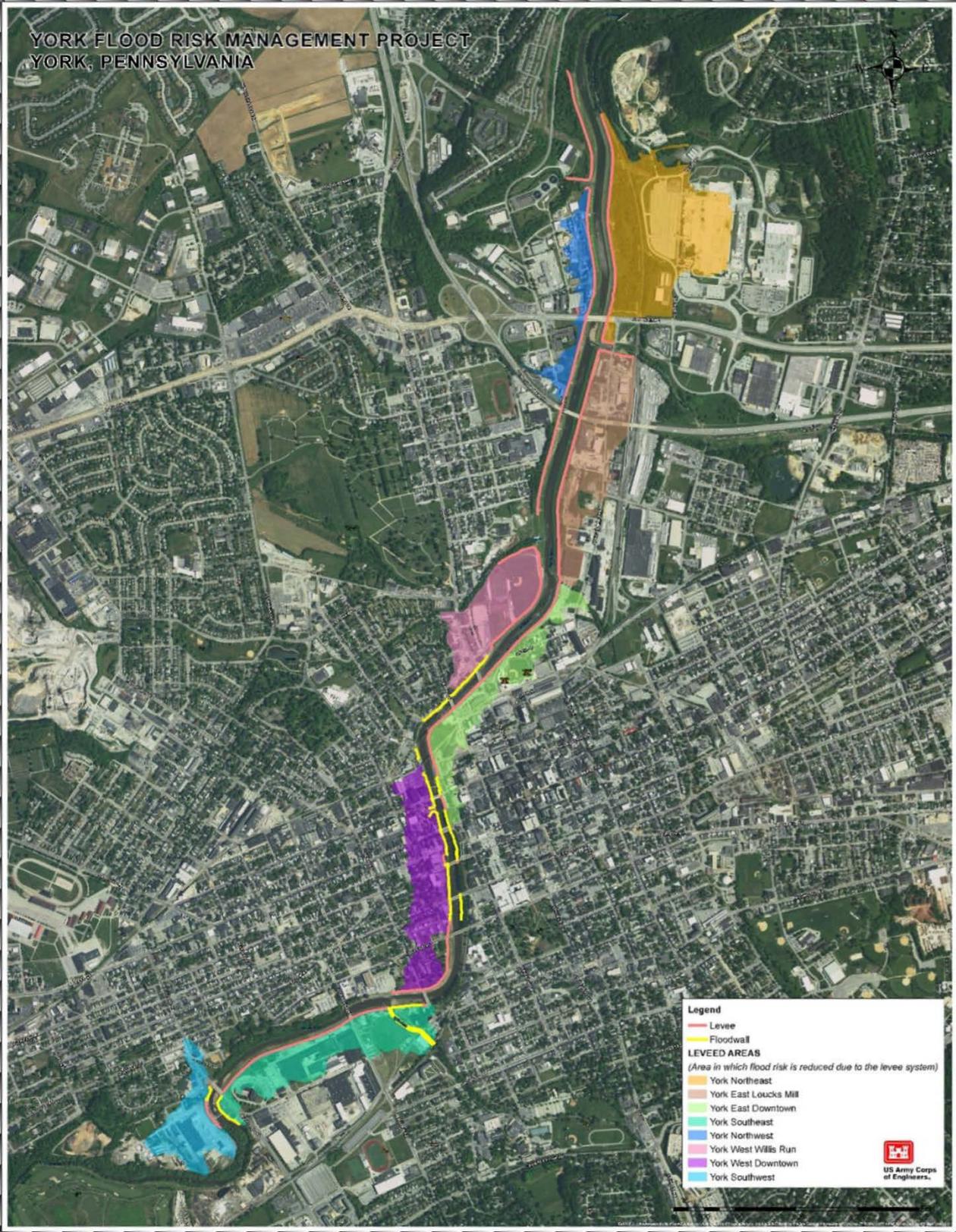
PENNSYLVANIA

SCALE: AS SHOWN

BALTIMORE DISTRICT OFFICE

BALTIMORE, MARYLAND

# YORK FLOOD RISK MANAGEMENT PROJECT YORK, PENNSYLVANIA



### Legend

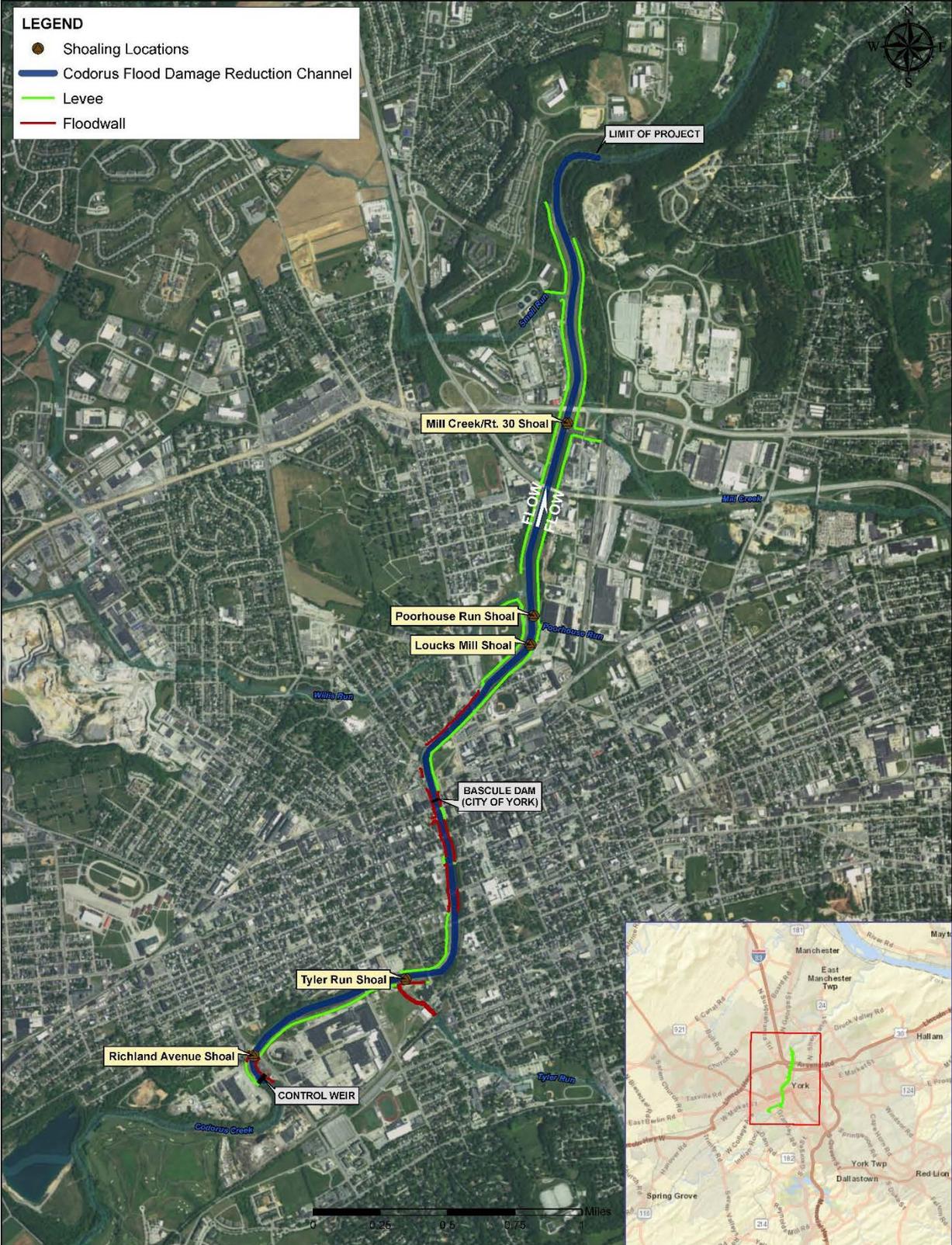
- Levee
- Floodwall

### LEVEEED AREAS

(Area in which flood risk is reduced due to the levee system)

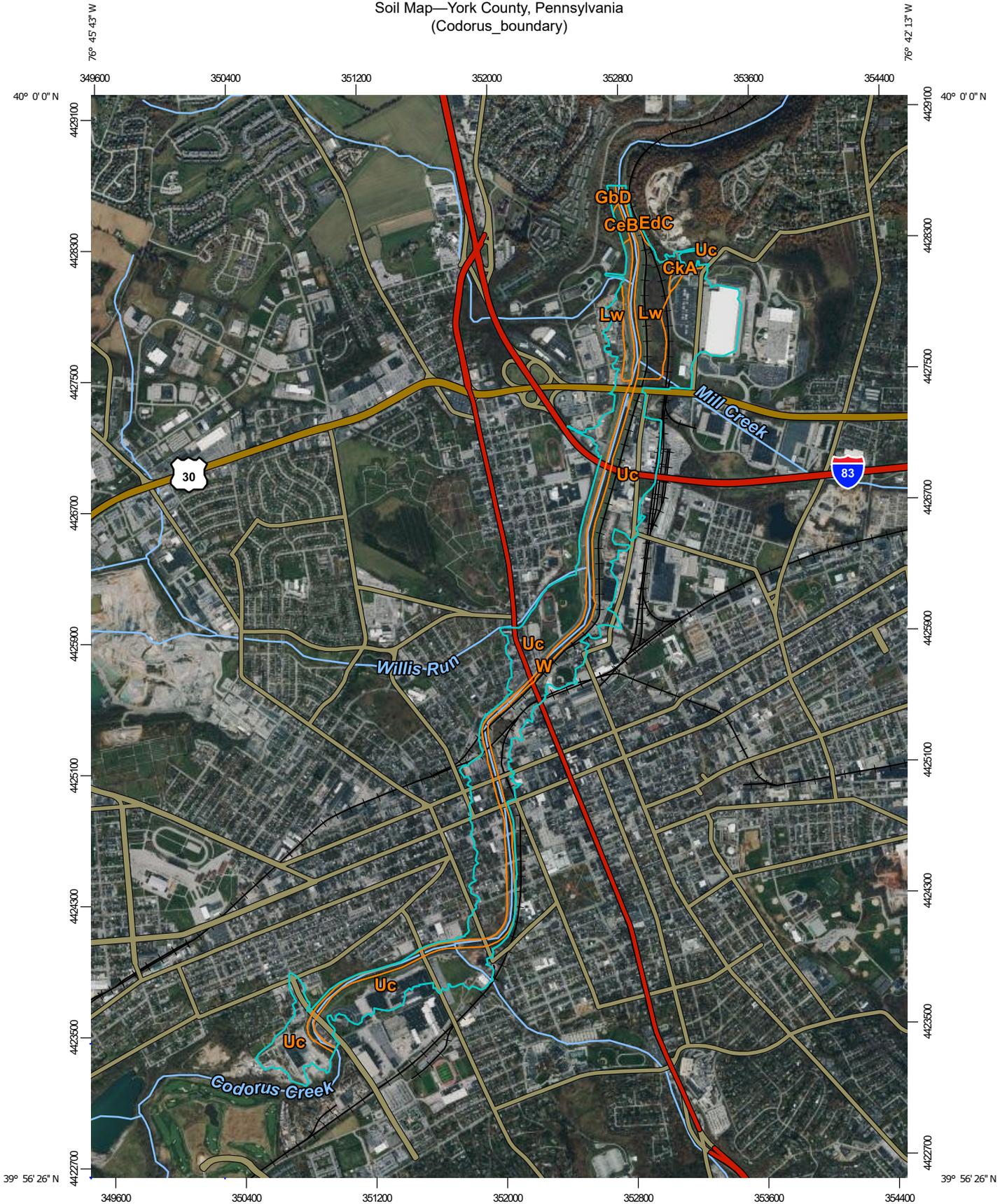
- York Northeast
- York East Loucks Mill
- York East Downtown
- York Southeast
- York Northwest
- York West Willis Run
- York West Downtown
- York Southwest





**Appendix A2. Soil Map**

Soil Map—York County, Pennsylvania  
(Codus\_boundary)



Map Scale: 1:32,200 if printed on A portrait (8.5" x 11") sheet.



## 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 1:24,000.

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: York County, Pennsylvania

Survey Area Data: Version 16, Sep 1, 2021

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

Date(s) aerial images were photographed: Jul 6, 2020—Nov 20, 2020

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
CeB	Chester silt loam, 3 to 8 percent slopes	<b>Prime Farmland</b>	2.7	0.5%
CkA	Clarksburg silt loam, 0 to 3 percent slopes	<b>Prime Farmland</b>	4.8	0.9%
EdC	Edgemont channery loam, 8 to 15 percent slopes	<b>Farmland of Statewide Importance</b>	1.2	0.2%
EeF	Edgemont channery loam, 25 to 70 percent slopes, very stony		0.7	0.1%
GbD	Glenelg channery silt loam, 15 to 25 percent slopes		1.5	0.3%
Lw	Lindside silt loam	<b>Prime Farmland</b>	46.0	9.0%
Uc	Urban land		391.4	77.0%
W	Water		60.1	11.8%
<b>Totals for Area of Interest</b>			<b>508.3</b>	<b>100.0%</b>

## **Appendix A3. U.S. Fish and Wildlife Service Coordination**



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Pennsylvania Ecological Services Field Office  
110 Radnor Road Suite 101  
State College, PA 16801-7987  
Phone: (814) 234-4090 Fax: (814) 234-0748

In Reply Refer To:  
Project Code: 2023-0004607  
Project Name: Codorus Creek Operation and Maintenance

February 09, 2024

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

### To Whom It May Concern:

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

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

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

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

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

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

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

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, 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
- USFWS National Wildlife Refuges and Fish Hatcheries
- 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:

**Pennsylvania Ecological Services Field Office**

110 Radnor Road Suite 101  
State College, PA 16801-7987  
(814) 234-4090

## PROJECT SUMMARY

Project Code: 2023-0004607

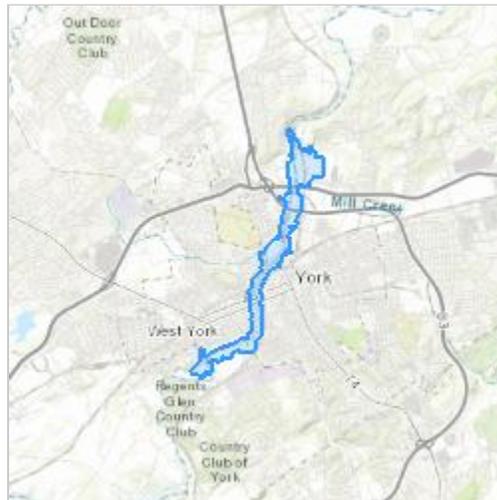
Project Name: Codorus Creek Operation and Maintenance

Project Type: Levee / Dike - Maintenance/Modification

Project Description: The U.S. Army Corps of Engineers (USACE) is beginning to prepare a National Environmental Policy Act (NEPA) document to assess effects to the human environment from operation and maintenance (O&M) activities routinely conducted at the USACE Codorus Creek Flood Risk Management (FRM) levee system. O&M activities include channel maintenance and shoal removal, pipe/outflow replacement and repairs, floodwall maintenance (pointing, grouting, sealing), and levee maintenance (vegetation management, invasive management, animal control). The NEPA document would cover future O&M activities for the next 10 years. The NEPA document will not include O&M activities at the Indian Rock Dam.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@39.97034755,-76.7294563132563,14z>



Counties: York County, Pennsylvania

## ENDANGERED SPECIES ACT SPECIES

There is a total of 4 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 Fisheries<sup>1</sup>, 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 <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>	Proposed Endangered

## INSECTS

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

# USFWS NATIONAL WILDLIFE REFUGE LANDS AND FISH HATCHERIES

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

## BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act<sup>1</sup> and the Migratory Bird Treaty Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats<sup>3</sup>, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the ["Supplemental Information on Migratory Birds and Eagles"](#).

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, see the PROBABILITY OF PRESENCE SUMMARY below 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. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Sep 1 to Jul 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 ["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "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 (■)**

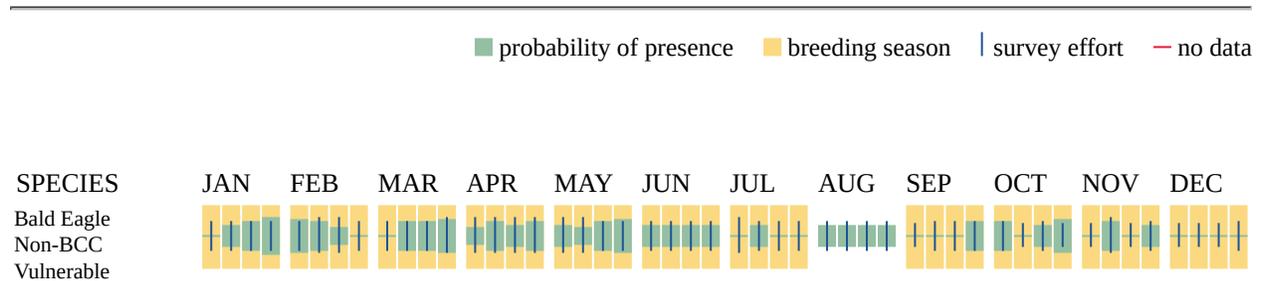
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

**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 Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats<sup>3</sup> should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

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, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
<p><b>Bald Eagle</b> <i>Haliaeetus leucocephalus</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><a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a></p>	Breeds Sep 1 to Jul 31
<p><b>Black-billed Cuckoo</b> <i>Coccyzus erythrophthalmus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p><a href="https://ecos.fws.gov/ecp/species/9399">https://ecos.fws.gov/ecp/species/9399</a></p>	Breeds May 15 to Oct 10
<p><b>Cerulean Warbler</b> <i>Dendroica cerulea</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p><a href="https://ecos.fws.gov/ecp/species/2974">https://ecos.fws.gov/ecp/species/2974</a></p>	Breeds Apr 28 to Jul 20
<p><b>Chimney Swift</b> <i>Chaetura pelagica</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p> <p><a href="https://ecos.fws.gov/ecp/species/9406">https://ecos.fws.gov/ecp/species/9406</a></p>	Breeds Mar 15 to Aug 25
<p><b>Kentucky Warbler</b> <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><a href="https://ecos.fws.gov/ecp/species/9443">https://ecos.fws.gov/ecp/species/9443</a></p>	Breeds Apr 20 to Aug 20
<p><b>Prairie Warbler</b> <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><a href="https://ecos.fws.gov/ecp/species/9513">https://ecos.fws.gov/ecp/species/9513</a></p>	Breeds May 1 to Jul 31
<p><b>Prothonotary Warbler</b> <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><a href="https://ecos.fws.gov/ecp/species/9439">https://ecos.fws.gov/ecp/species/9439</a></p>	Breeds Apr 1 to Jul 31

NAME	BREEDING SEASON
<b>Red-headed Woodpecker <i>Melanerpes erythrocephalus</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9398">https://ecos.fws.gov/ecp/species/9398</a>	Breeds May 10 to Sep 10
<b>Wood Thrush <i>Hylocichla mustelina</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9431">https://ecos.fws.gov/ecp/species/9431</a>	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 "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "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 (■)

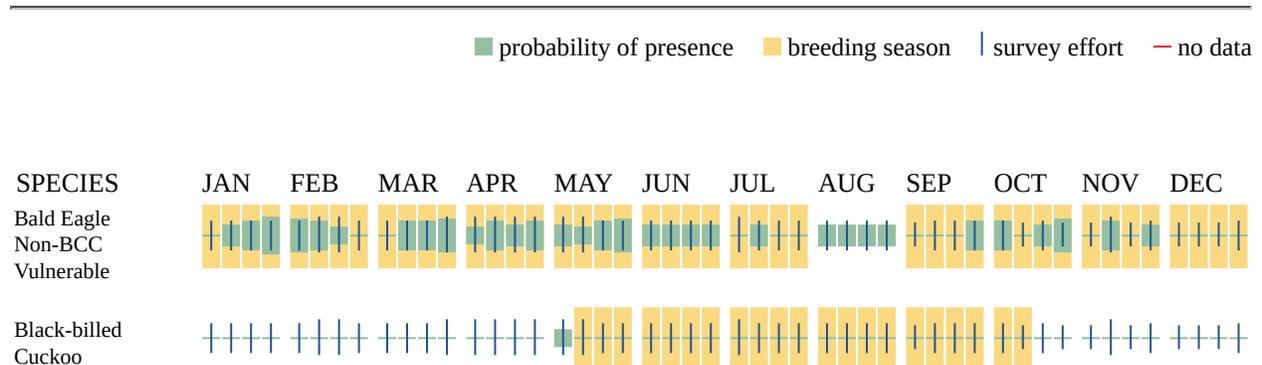
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

### 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)

Cerulean Warbler  
BCC Rangewide  
(CON)

Chimney Swift  
BCC Rangewide  
(CON)

Kentucky Warbler  
BCC Rangewide  
(CON)

Prairie Warbler  
BCC Rangewide  
(CON)

Prothonotary  
Warbler  
BCC Rangewide  
(CON)

Red-headed  
Woodpecker  
BCC Rangewide  
(CON)

Wood Thrush  
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-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>

## 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.

RIVERINE

- R5UBH
- R2UBH

FRESHWATER FORESTED/SHRUB WETLAND

- PSS1/EM5A

FRESHWATER POND

- PUBH

## **IPAC USER CONTACT INFORMATION**

Agency: Army Corps of Engineers  
Name: Kristina May  
Address: 2 Hopkins Plaza  
Address Line 2: Planning Division  
City: Baltimore  
State: MD  
Zip: 21201  
Email: kristina.k.may@usace.army.mil  
Phone: 4109626100

**From:** [May, Kristina K CIV USARMY CENAB \(USA\)](#)  
**To:** [IR1\\_ESPenn@fws.gov](mailto:IR1_ESPenn@fws.gov)  
**Subject:** Project Review Request - Codorus Creek Programmatic Environmental Assessment  
**Date:** Friday, February 16, 2024 10:07:00 AM  
**Attachments:** [DraftProgrammaticEA\\_Codorus\\_Feb162024.pdf](#)  
[APPENDIX A\\_CodorusProgEA\\_508\\_compliant.pdf](#)

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Good morning,

The U.S. Army Corps of Engineers, Baltimore District prepared a draft environmental assessment (EA) for operation and maintenance activities at the Codorus Creek Flood Risk Management Project in York, Pennsylvania. In the EA, USACE determined that the proposed project “may affect but is not likely to adversely affect” the tri-colored bat. Please see Sections 6.10 and 7.10 of the attached EA for an affected environment and effect determination for the tri-colored bat. USACE is requesting USFWS concurrence on the USACE “may affect but is not likely to adversely affect” determination for the tri-colored bat.

Please contact me if you have any questions.

Thanks,

**Kristina May**

Biologist, Planning Division  
U.S. Army Corps of Engineers, Baltimore District  
2 Hopkins Plaza, Baltimore, MD 21201  
Cube 10-E-10  
Email: [kristina.k.may@usace.army.mil](mailto:kristina.k.may@usace.army.mil)  
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**Appendix A4. Pennsylvania Natural Diversity Inventory (PNDI) Receipt  
and Coordination**

## 1. PROJECT INFORMATION

Project Name: **Codorus Creek Programmatic Environmental Assessment**

Date of Review: **1/12/2024 04:19:10 PM**

Project Category: **In-stream / Riverine Activities and Projects, Levees and similar flood control structures (construction, modification, maintenance)**

Project Area: **508.30 acres**

County(s): **York**

Township/Municipality(s): **MANCHESTER TOWNSHIP; NORTH YORK; SPRING GARDEN TOWNSHIP; SPRINGETTSBURY TOWNSHIP; WEST MANCHESTER TOWNSHIP; YORK**

ZIP Code:

Quadrangle Name(s): **WEST YORK; YORK**

Watersheds HUC 8: **Lower Susquehanna**

Watersheds HUC 12: **Codorus Creek-Susquehanna River; Mill Creek; Willis Run-Codorus Creek**

Decimal Degrees: **39.970851, -76.729290**

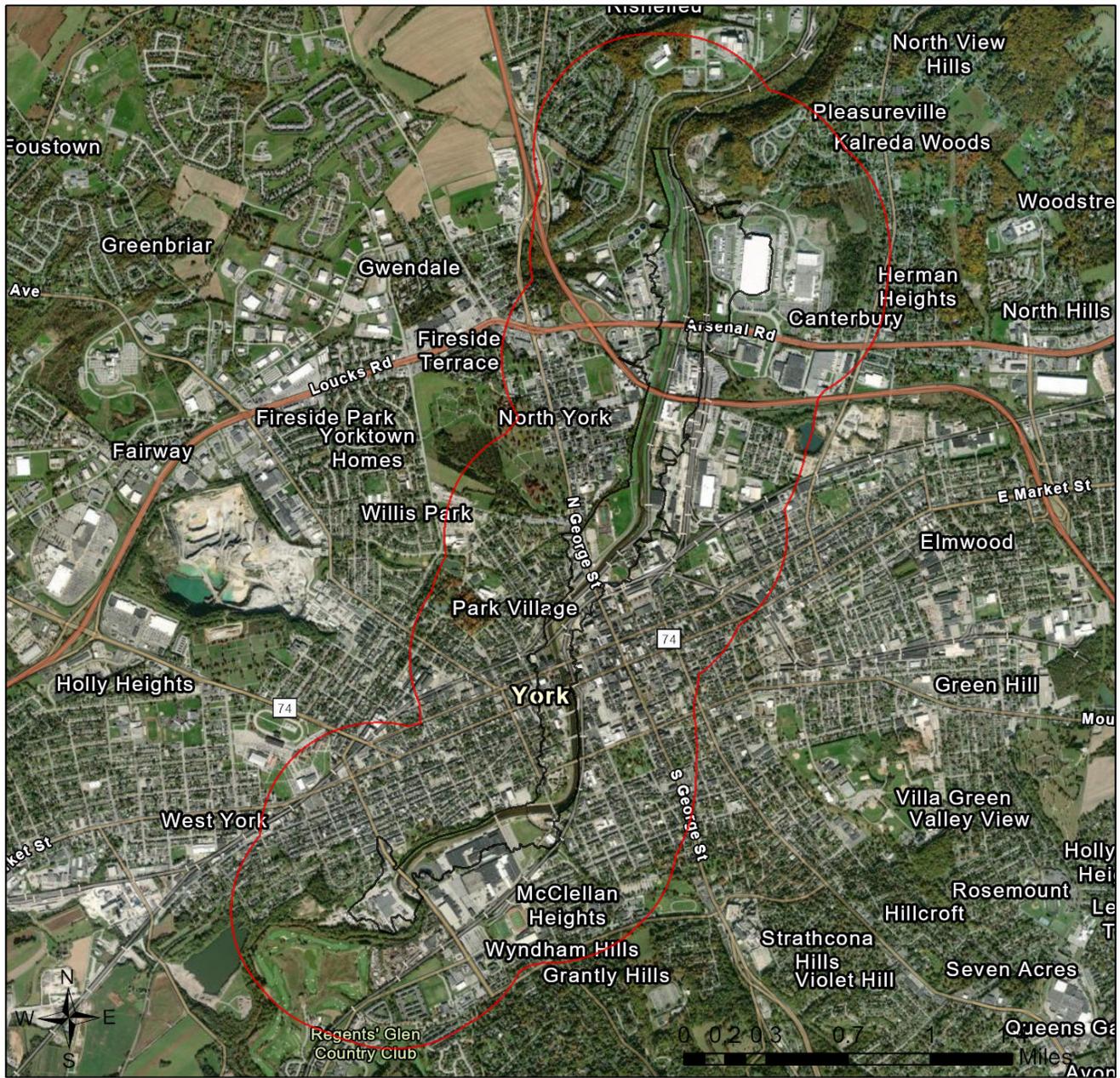
Degrees Minutes Seconds: **39° 58' 15.630" N, 76° 43' 45.4430" W**

## 2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	<b>Potential Impact</b>	<b>FURTHER REVIEW IS REQUIRED, See Agency Response</b>
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	<b>Potential Impact</b>	<b>FURTHER REVIEW IS REQUIRED, See Agency Response</b>
U.S. Fish and Wildlife Service	<b>Potential Impact</b>	<b>MORE INFORMATION REQUIRED, See Agency Response</b>

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

## Codorus Creek Programmatic Environmental Assessment

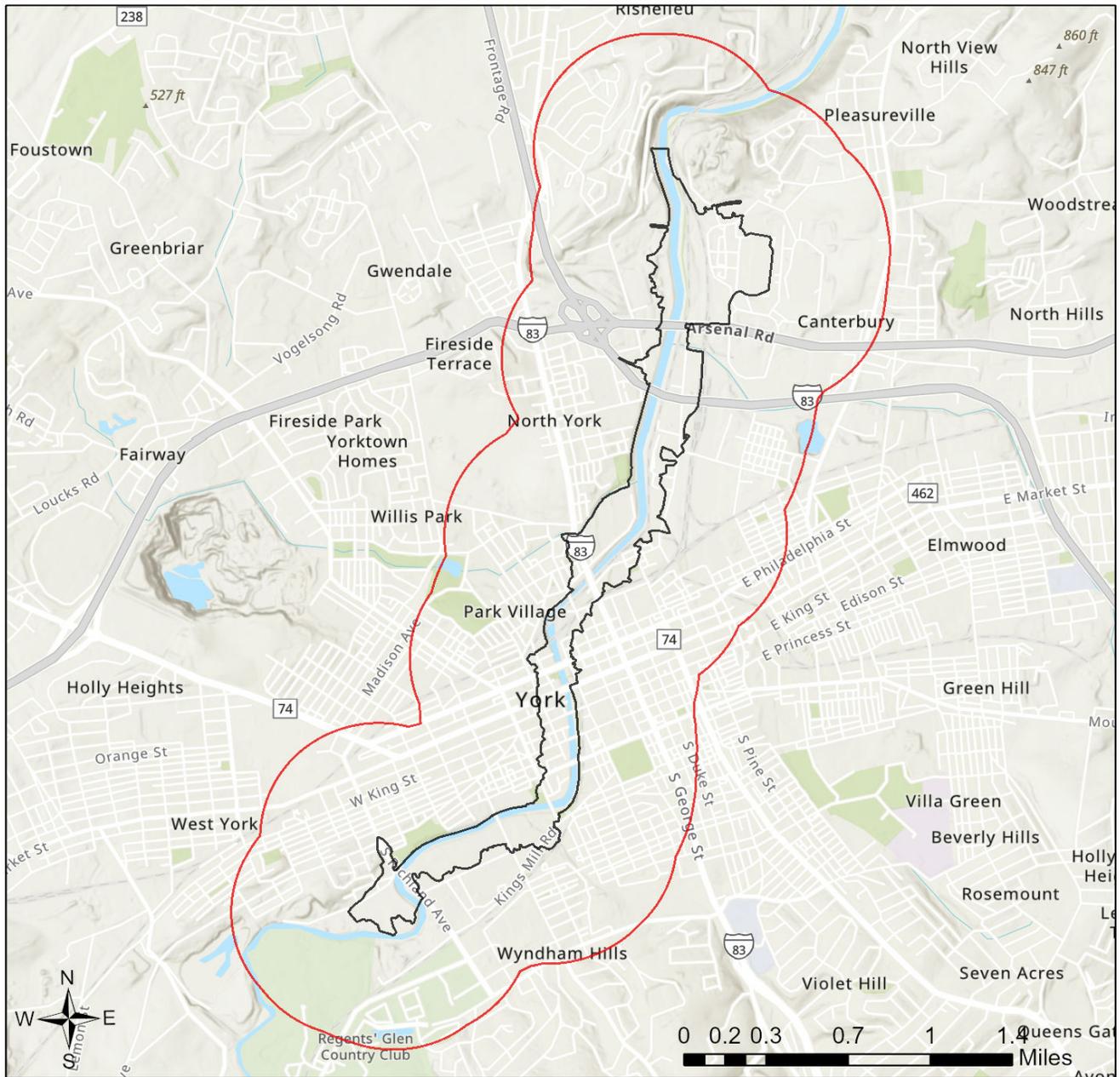


- Buffered Project Boundary
- Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

### Codorus Creek Programmatic Environmental Assessment



- Buffered Project Boundary
- Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

### 3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

#### PA Game Commission

##### RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

**PGC Species:** (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name	Common Name	Current Status
Ardea alba	Great Egret	Endangered
Ardea herodias	Great Blue Heron	Special Concern Species*
Nyctanassa violacea	Yellow-crowned Night-heron	Endangered
Nycticorax nycticorax	Black-crowned Night-heron	Endangered

#### PA Department of Conservation and Natural Resources

##### RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

#### PA Fish and Boat Commission

##### RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

**PFBC Species:** (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name	Common Name	Current Status
Sensitive Species**		Special Concern Species*
Sensitive Species**		Special Concern Species*

#### U.S. Fish and Wildlife Service

##### RESPONSE:

Information Request: Due to the proximity of this project to a bald eagle nest, it is possible that project activities may disturb bald eagles, which is a form of "take" under the Bald and Golden Eagle Protection Act and may require a permit. The Service has prepared a project screening form to help you determine which specific measures may be necessary to avoid disturbing bald eagles and their nests, based on the type and scope of your proposed project or activity, and its distance from a bald eagle nest. Complete the "Bald Eagle Project Screening Form" (see [https://www.fws.gov/northeast/ecologicalservices/pdf/eagle/NE\\_Bald-Eagle\\_Project-Screening-Form\\_rev20200416.pdf](https://www.fws.gov/northeast/ecologicalservices/pdf/eagle/NE_Bald-Eagle_Project-Screening-Form_rev20200416.pdf)) and implement the measures identified on that form. Submit a copy of the completed Screening Form to the appropriate federal or state permitting agencies (e.g., PA DEP).

\* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

\*\* Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

## WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload\* or email the following information to the agency(s) (see AGENCY CONTACT INFORMATION). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies (but not USFWS).

\*If information was requested by USFWS, applicants must email, or mail, project information to [IR1\\_ESPenn@fws.gov](mailto:IR1_ESPenn@fws.gov) to initiate a review. USFWS will not accept uploaded project materials.

### Check-list of Minimum Materials to be submitted:

\_\_\_ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

\_\_\_ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

**In addition to the materials listed above, USFWS REQUIRES the following**

\_\_\_ **SIGNED** copy of a Final Project Environmental Review Receipt

### The inclusion of the following information may expedite the review process.

\_\_\_ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

\_\_\_ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

## 4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

## 5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page ([www.naturalheritage.state.pa.us](http://www.naturalheritage.state.pa.us)). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

## 6. AGENCY CONTACT INFORMATION

### PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section  
400 Market Street, PO Box 8552  
Harrisburg, PA 17105-8552  
Email: [RA-HeritageReview@pa.gov](mailto:RA-HeritageReview@pa.gov)

### PA Fish and Boat Commission

Division of Environmental Services  
595 E. Rolling Ridge Dr., Bellefonte, PA 16823  
Email: [RA-FBPACENOTIFY@pa.gov](mailto:RA-FBPACENOTIFY@pa.gov)

### U.S. Fish and Wildlife Service

Pennsylvania Field Office  
Endangered Species Section  
110 Radnor Rd; Suite 101  
State College, PA 16801  
Email: [IR1\\_ESPenn@fws.gov](mailto:IR1_ESPenn@fws.gov)  
NO Faxes Please

### PA Game Commission

Bureau of Wildlife Management  
Division of Environmental Review  
2001 Elmerton Avenue, Harrisburg, PA 17110-9797  
Email: [RA-PGC\\_PNDI@pa.gov](mailto:RA-PGC_PNDI@pa.gov)  
NO Faxes Please

## 7. PROJECT CONTACT INFORMATION

Name: Kristina May  
Company/Business Name: U.S. Army Corps of Engineers  
Address: 2 Hopkins Plaza  
City, State, Zip: Baltimore, MD 21201  
Phone: (410) 962-6100 Fax: ( )  
Email: kristinak.may@usace.army.mil

## 8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

Kristina May  
applicant/project proponent signature

2/12/2024  
date



February 13, 2024

**IN REPLY REFER TO**

SIR# 59191

USACE

Kristina May

2 Hopkins Place

Baltimore, Maryland 21201

**RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species  
PNDI Search No. 794239\_1  
Codorus Creek Programmatic Environmental Assessment  
Manchester Township, North York Borough, Spring Garden Township, Springettsbury  
Township, West Manchester Township, York Township: YORK County**

Dear Kristina May:

This responds to your inquiry about a Pennsylvania Natural Diversity Inventory (PNDI) Internet Database search “potential conflict” or a threatened and endangered species impact review. These projects are screened for potential conflicts with rare, candidate, threatened or endangered species under Pennsylvania Fish and Boat Commission jurisdiction (fish, reptiles, amphibians, aquatic invertebrates only) using the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files. These species of special concern are listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, and the Pennsylvania Fish and Boat Code (Chapter 75), or the Wildlife Code.

An element occurrence of a rare, candidate, threatened, or endangered species under our jurisdiction is known from the vicinity of the proposed project. However, given the nature of the proposed project, the immediate location, or the current status of the nearby element occurrence(s), no adverse impacts are expected to the species of special concern.

This response represents the most up-to-date summary of the PNDI data and our files and is valid for two (2) years from the date of this letter. An absence of recorded species information does not necessarily imply species absence. Our data files and the PNDI system are continuously being updated with species occurrence information. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered, and consultation shall be re-initiated.

**If you have any questions regarding this review, please contact Dave Lieb at 814-359-5234 or [cdlieb@pa.gov](mailto:cdlieb@pa.gov) and refer to the SIR # 59191.** Thank you for your cooperation and attention to this important matter of species conservation and habitat protection.

Sincerely,

A handwritten signature in black ink that reads "Christopher A. Urban". The signature is written in a cursive style with a large initial "C".

Christopher A. Urban, Chief  
Natural Diversity Section

CAU//DAL/dn



# PENNSYLVANIA GAME COMMISSION

## BUREAU OF WILDLIFE MANAGEMENT

2001 ELMERTON AVENUE HARRISBURG, PA 17110-9797 | (717) 787-5529

February 15, 2024

Kristina May  
USACE  
2 Hopkins Place  
Baltimore, Maryland 21201  
[kristina.k.may@usace.army.mil](mailto:kristina.k.may@usace.army.mil)

Re: Codorus Creek Programmatic Environmental Assessment  
PNDI Receipt File: *project\_receipt\_codorus\_creek\_programmati\_794239\_FINAL\_1.pdf*  
Manchester, North York, Spring Garden, Springettsbury and West Manchester Townships, and York, York County, PA

Dear Kristina May,

Thank you for submitting the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt File *project\_receipt\_codorus\_creek\_programmati\_794239\_FINAL\_1.pdf* for review. The Pennsylvania Game Commission (PGC) screened this project for potential impacts to species and resources of concern under PGC responsibility, which includes birds and mammals only.

### **No Impact Anticipated – PNDI Species**

PNDI records indicate species or resources of concern are located within the vicinity of the project. However, based on the information you submitted concerning the nature of the project, the immediate location, and our detailed resource information, the PGC has determined that no impact is likely. Therefore, no further PNDI coordination with the PGC will be necessary for this project at this time.

This response represents the most up-to-date summary of the PNDI data files and is valid for two (2) years from the date of this letter. An absence of recorded information does not necessarily imply actual conditions on site. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered.

Should the proposed work continue beyond the period covered by this letter, please resubmit the project to this agency as an “Update” (including an updated PNDI receipt, project narrative and accurate map). If the proposed work has not changed and no additional information concerning listed species is found, the project will be cleared for PNDI requirements under this agency for two additional years.

This finding applies to impacts to birds and mammals only. To complete your review of state and federally-listed threatened and endangered species and species of special concern, please be sure that the U.S. Fish and Wildlife Service, the PA Department of Conservation and Natural Resources, and/or the PA Fish and Boat Commission have been contacted regarding this project as directed by the online PNDI ER Tool found at [www.naturalheritage.state.pa.us](http://www.naturalheritage.state.pa.us).

Sincerely,



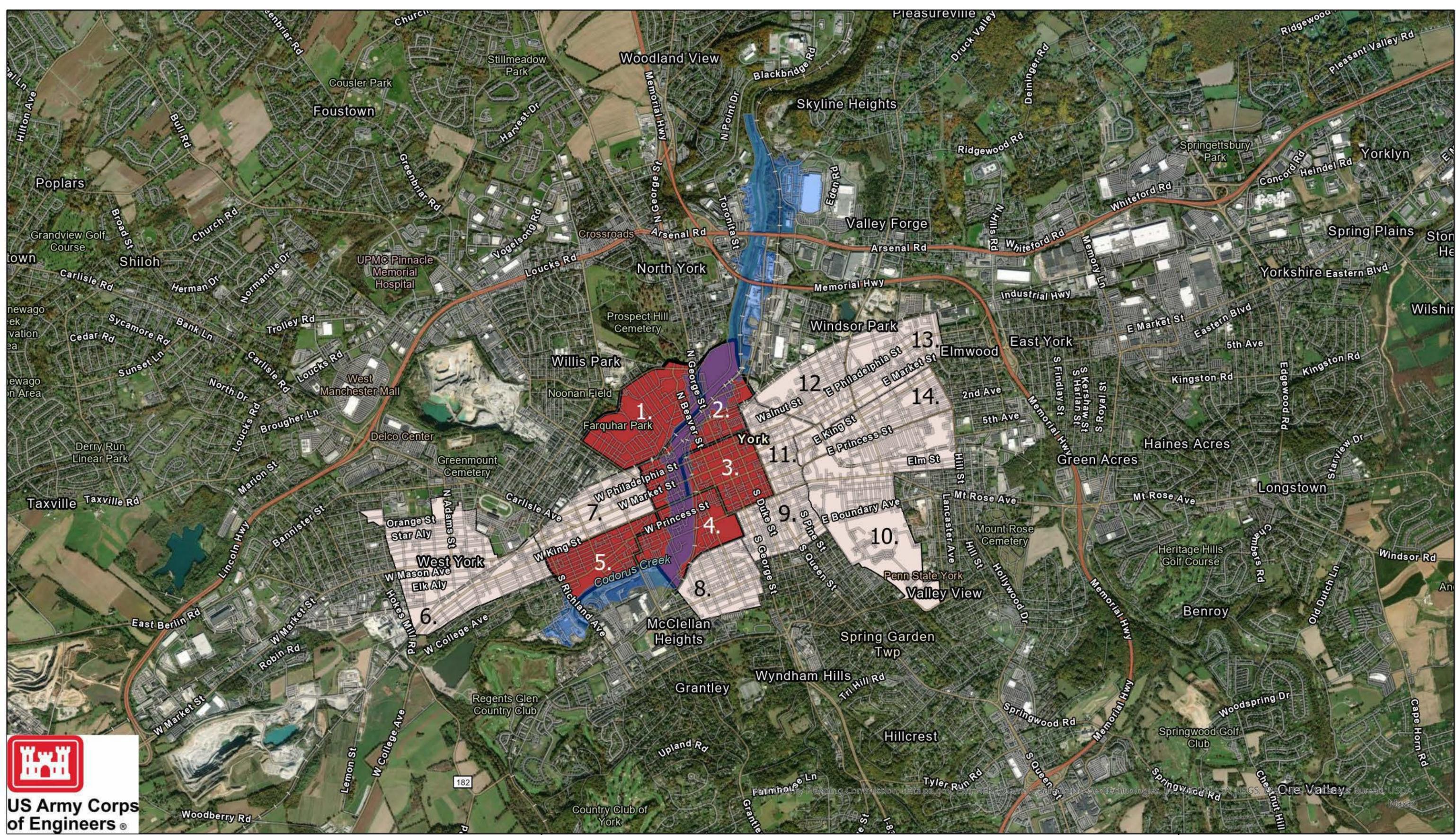
Sue Guers  
Environmental Review Lead  
Bureau of Wildlife Management  
Phone: 717-787-4250, Extension 73412  
Fax: 717-787-6957  
E-mail: [suguers@pa.gov](mailto:suguers@pa.gov)

A PNHP Partner



SLG/slg

**Appendix A5. Economically Disadvantaged Communities in the City  
of York, and West York, PA**



Tracts Within Project Area		Tracts Outside of Project Area	
1. 42133001500 (pop. 3,443)	6. 421330021300 (pop. 4,563)	11. 42133000200 (pop. 2,938)	
2. 42133001600 (pop. 1,588)	7. 42133001200 (pop. 3,238)	12. 42133000300 (pop. 2,196)	
3. 42133000100 (pop. 1,131)	8. 42133000900 (pop. 3,549)	13. 42133000400 (pop. 1,989)	
4. 42133001000 (pop. 1,493)	9. 42133000700 (pop. 3,586)	14. 42133000500 (pop. 2,724)	
5. 42133001100 (pop. 3,579)	10. 42133000600 (pop. 3,127)		

Data Source: CJEST  
18 October, 2023

## Historically Economically Disadvantaged Communities (HEDC) City of York and West York, PA Codorus Creek Flood Risk Management Project

Surrounding HED Communities  
 Codorus Creek FRM Boundary  
 HED Communities in Project Area

0 0.25 0.5 1 Miles

## Codorus Creek Flood Risk Management Project Programmatic Environmental Assessment

### Indicators of Burdens for the Economically Disadvantaged Communities in the City of York and West York, PA (CEQ, 2022)

Census Tract	Population	Public Housing	Indicators of Burdens	Percentiles (Nationally)
42133000400	1,989	Yes	Lead Paint	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			High School Education	13% (above 10%)
			Low Income	82 <sup>nd</sup> (above 90 <sup>th</sup> percentile)
42133000500	2,724	No	Energy Cost	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Asthma	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Diabetes	90 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Low Life Expectancy	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Historic Underinvestment	Yes
			Housing Cost	91 <sup>st</sup> (above 90 <sup>th</sup> percentile)
			Lead Paint	90 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Low Median Income	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Poverty	91 <sup>st</sup> (above 90 <sup>th</sup> percentile)
			High School Education	25% (above 10%)
			Low Income	92 <sup>nd</sup> percentile (above 90 <sup>th</sup> percentile)
42133000600	3,127	Yes	Energy Cost	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Asthma	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)
			Low Life Expectancy	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Housing Cost	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lead Paint	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Underground Storage Tanks and Releases	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)
			Unemployment	98 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			High School Education	17% (above 10%)
			Low Income	88 <sup>th</sup> (above 65 <sup>th</sup> percentile)
42133000300	2,196	No	Energy Cost	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Asthma	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Low Life Expectancy	98 <sup>th</sup> (above 90 <sup>th</sup> percentile)

Census Tract	Population	Public Housing	Indicators of Burdens	Percentiles (Nationally)
			Historic Underinvestment	Yes
			Housing Cost	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lack of Green Space	91 <sup>st</sup> (above 90 <sup>th</sup> percentile)
			Lead Paint	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	98 <sup>th</sup> percentile (above 90 <sup>th</sup> percentile)
			Underground Storage Tanks and Releases	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Low Median Income	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Poverty	91 <sup>st</sup> (above 90 <sup>th</sup> percentile)
			Unemployment	92 <sup>nd</sup> (above 90 <sup>th</sup> percentile)
			High School Education	25% (above 10%)
			Low Income	94 <sup>th</sup> (above 65 <sup>th</sup> percentile)
			42133000200	2,938
Asthma	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)			
Low Life Expectancy	99 <sup>th</sup> (above 90 <sup>th</sup> percentile)			
Historic Underinvestment	Yes			
Housing Cost	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)			
Lack of Green Space	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)			
Lead Paint	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)			
Proximity to Risk Management Plan Facilities	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)			
Underground Storage Tanks and Releases	92 <sup>nd</sup> (above 90 <sup>th</sup> percentile)			
Low Median Income	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)			
Poverty	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)			
Unemployment	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)			
High School Education	28% (above 10%)			
Low Income	98 <sup>th</sup> (above 65 <sup>th</sup> percentile)			
42133000100	1,131	No	Energy Cost	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Asthma	92 <sup>nd</sup> (above 90 <sup>th</sup> percentile)
			Low Life Expectancy	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Housing Cost	99 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lack of Green Space	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lead Paint	98 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Traffic Proximity and Volume	90 <sup>th</sup> (above 90 <sup>th</sup> percentile)

Census Tract	Population	Public Housing	Indicators of Burdens	Percentiles (Nationally)
			Low Median Income	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Poverty	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			High School Education	24% (above 10%)
			Low Income	98 <sup>th</sup> (above 65 <sup>th</sup> percentile)
42133000700	3,586	No	Energy Cost	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Asthma	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Diabetes	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Housing Cost	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lack of Green Space	91 <sup>st</sup> (above 90 <sup>th</sup> percentile)
			Lead Paint	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	92 <sup>nd</sup> (above 90 <sup>th</sup> percentile)
			Linguistic Isolation	90 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Low Median Income	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Poverty	98 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Unemployment	92 <sup>nd</sup> (above 90 <sup>th</sup> percentile)
			High School Education	37% (above 10%)
			Low Income	99 <sup>th</sup> (above 65 <sup>th</sup> percentile)
42133000900	3,549	No	Poverty	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			High School Education	19% (above 10%)
42133001000	1,493	Yes	Projected Flood Risk	90 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Energy Cost	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)
			Asthma	96 <sup>h</sup> (above 90 <sup>th</sup> percentile)
			Historic Underinvestment	Yes
			Housing Cost	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lead Paint	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Hazardous Waste Facilities	92 <sup>nd</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	91 <sup>st</sup> (above 90 <sup>th</sup> percentile)
			High School Education	23% (above 10%)
			Low Median Income	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)
			Poverty	92 <sup>nd</sup> (above 90 <sup>th</sup> percentile)
			Low Income	93 <sup>rd</sup> (above 65 <sup>th</sup> percentile)
42133001600	1,588	No	Projected Flood Risk	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)

Census Tract	Population	Public Housing	Indicators of Burdens	Percentiles (Nationally)
			Asthma	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Diabetes	92 <sup>nd</sup> (above 90 <sup>th</sup> percentile)
			Heart Disease	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lack of Green Space	90 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lack of Indoor Plumbing	99 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)
			Low Median Income	98 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Poverty	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Unemployment	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			High School Education	26% (above 10%)
			Low Income	96 <sup>th</sup> (above 65 <sup>th</sup> percentile)
42133021300	4,563	No	Proximity to Risk Management Plan Facilities	91 <sup>st</sup> (above the 90 <sup>th</sup> percentile)
			Low income	80 <sup>th</sup> (above 65 <sup>th</sup> percentile)
42133001100	3,579	No	Energy Cost	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Asthma	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Historic Underinvestment	Yes
			Housing Cost	98 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lead Paint	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Low income	98 <sup>th</sup> (above 90 <sup>th</sup> percentile)
42133001200	3,238	No	Energy Cost	92 <sup>nd</sup> (above 90 <sup>th</sup> percentile)
			Asthma	94 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Low Life Expectancy	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Housing Cost	99 <sup>th</sup> percentile
			Lack of Green Space	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Lack of Indoor Plumbing	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	91 <sup>st</sup> (above 90 <sup>th</sup> percentile)
			Low Median Income	94 (above 90 <sup>th</sup> percentile)
			High School Education	28% (above 10%)
			Low income	98 <sup>th</sup> (above 65 <sup>th</sup> percentile)

Census Tract	Population	Public Housing	Indicators of Burdens	Percentiles (Nationally)
42133001500	3,443	No	Energy Cost	97 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Asthma	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Low Life Expectancy	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Historic Underinvestment	Yes
			Housing Cost	91 <sup>st</sup> (above 90 <sup>th</sup> percentile)
			Lead Paint	95 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Proximity to Risk Management Plan Facilities	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)
			Low Median Income	96 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Poverty	90 <sup>th</sup> (above 90 <sup>th</sup> percentile)
			Unemployment	93 <sup>rd</sup> (above 90 <sup>th</sup> percentile)
			High School Education	26% (above 10%)
			Low income	96 <sup>th</sup> (above 65 <sup>th</sup> percentile)

Burden and Socioeconomic Threshold Categories Table

Climate Change
Energy
Health
Housing
Legacy Pollution
Transportation
Water and Wastewater
Workforce Development

**Appendix A6. Tribal Nation and Pennsylvania State Historic  
Preservation Office (SHPO) Coordination**



December 15, 2023

*Sent Via PA-SHARE*

RE: ER Project # 2023PR05883.001, Codorus Creek Flood Risk Management (FRM) Project, Army Corps of Engineers, York City, York County

Dear Submitter,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project's potential effects on both historic and archaeological resources.

**Above Ground Resources**

*No Above Ground Concerns - Environmental Review - No Effect - Above Ground*

Based on the information received and available within our files, it is our opinion that the proposed project will have No Effect on above ground historic properties, including historic buildings, districts, structures, and/or objects as the proposed work will be carried out in accordance with the Secretary of the Interior's Standards for the Treatment of Historic Properties with repairs made in-kind using like methods and materials. Should the scope of the project change and/or should you be made aware of historic property concerns, you will need to reinitiate consultation with our office using PA-SHARE.

For questions concerning above ground resources, please contact Barbara Frederick at [bafrederic@pa.gov](mailto:bafrederic@pa.gov).

**Archaeological Resources**

*No Archaeological Concerns - Environmental Review - No Effect - Archaeological*

Based on the information received and available in our files, in our opinion, the proposed project should have No Effect on archaeological resources. Our analysis indicates that archaeological resources are potentially located in this project area. Should the scope of the project be amended to include additional ground-disturbing activity that extends beyond the existing limits of disturbance and/or should you be made aware of historic property concerns, you will need to reinitiate consultation with our office using PA-SHARE.

For questions concerning archaeological resources, please contact Justin McKeel at [jusmckeel@pa.gov](mailto:jusmckeel@pa.gov).

Sincerely,

A handwritten signature in black ink that reads "Emma Diehl". The signature is written in a cursive style with a long horizontal flourish at the end.

Emma Diehl  
Environmental Review Division Manager

## **Appendix A7. Public Notice**



US Army Corps  
of Engineers  
Baltimore District

**CODORUS CREEK  
FLOOD RISK MANAGEMENT PROJECT  
PROGRAMMATIC ENVIRONMENTAL ASSESSMENT  
YORK, PENNSYLVANIA  
NOTICE OF AVAILABILITY**

The U.S. Army Corps of Engineers, Baltimore District (USACE) has prepared a draft Programmatic Environmental Assessment (EA) and Finding of No Significant Impact (FONSI), in accordance with the National Environmental Policy Act of 1969, as amended, (NEPA) for the following future operation and maintenance (O&M) tasks within the Codorus Creek Flood Risk Management Project (FRMP) for the next 10 years: repair/replacement of riprap, floodwalls, drainage outlets or other flood control structures to their authorized FRMP system capacity, standards, and integrity; levee maintenance; and channel maintenance and shoal removal (sediment/gravel bars). The Codorus Creek FRMP is located along 4.8 miles of Codorus Creek in the City of York, Pennsylvania.

Failure to perform O&M tasks would result in adverse effects to waters of the U.S. and loss of flood risk management and life safety benefits provided by a fully functioning project. These adverse impacts would result from the continued deterioration of the Codorus Creek FRMP, including continued shoaling and loss of flood channel capacity, and eventual erosion or collapse of flood channel walls and levees, loss of sediments and debris into the channel and downstream receiving waters, and other failures. The programmatic EA is intended to provide long-term NEPA coverage for the O&M tasks identified above.

The draft programmatic EA, appendix, and FONSI are available at the following USACE website: <https://www.nab.usace.army.mil/Missions/Dams-Recreation/Indian-Rock-Dam-Codorus-Creek/repairs/>. Comments on the draft programmatic EA, appendix, and FONSI can be submitted electronically to: [Kristina.K.May@usace.army.mil](mailto:Kristina.K.May@usace.army.mil) or to the following address: U.S. Army Corps of Engineers, Baltimore District, Attn: Kristina May, Planning Division, 10<sup>th</sup> Floor, 2 Hopkins Plaza, Baltimore, MD 21201. Comments must be submitted by March 13, 2024, to be considered.