

ENVIRONMENTAL REVIEW RECORD

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

CDBG Entitlement

**DCED Contract No.
C000082259; C000082954**



ENVIRONMENTAL REVIEW RECORD

GRANT NUMBER:

C000082259; C000082954

PROJECT NAME:

HBJTJMA Rt 147 Waterline Replacement Herndon

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Environmental Review Record Checklist

Components	Yes	No	N/A	Comments
1. Brief Project Description	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Page 3
2. Explanation of Exemption or Categorical Exclusion Determinations (as relevant)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Statutory Checklist*; Environmental Requirements other than NEPA (For all Cat. Excl. Projects, including Cat. Excl. Projects determined to be exempt pursuant to 58.34(a)12, and projects requiring EA or EIS)/Other Requirements Checklist**	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pages 6-7 24CFR58.36
4. Environmental Assessment Document (Depending on level of clearance req.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pages 2-14
5. Environmental Assessment Checklist (Optional)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Page 11
6. Notice of Finding of No Significant Impact as posted/published (as relevant)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. Notice of Intent to Request a Release of Funds as posted/published (as relevant)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Combined FONSI/RROF as posted/published (as relevant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix N
9. a. Distribution List of FONSI (as relevant) b. Distribution List of RROF (as relevant) c. Distribution List of FONSI/RROF (as relevant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix N
10. Any comments received and recipient responses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendices A through M
11. Certification of Environmental Review, Request for Release of Funds submitted (as relevant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix N
12. Notice of Removal of Grant Condition/Release of funds (as relevant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appendix O
13. Post-Review Revisions and Changes, Written Decisions, Amendments, and Supplements (as relevant)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14. Continuing Project (58.47) Determination (as relevant)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
15. EIS documentation required by 58.55-60 (as relevant)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

* Section 58.5 Requirements

** Section 58.6 Other Requirement

PART 1

DRAFT



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

Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58

Project Information

Project Name: HBJTJMA Rt 147 Waterline Replacement Herndon

Responsible Entity: Northumberland County
399 Stadium Drive
Sunbury, PA 17801-3201
(570) 988-4100

Grant Recipient (if different than Responsible Entity): N/A

State/Local Identifier: C000082259; C000082954

Preparer: Nadine Simpson, Program Analyst, SEDA-Council of Governments

Certifying Officer Name and Title: Justin Skavery, Grants Manager

Consultant (if applicable): SEDA-Council of Governments

Direct Comments to: Nadine Simpson, Program Analyst
SEDA-Council of Governments
201 Furnace Road
Lewisburg, PA 17837
(570) 524-4491
nsimpson@seda-cog.org

Project Location: Herndon Borough

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

Northumberland County has allocated \$155,140 of Community Development Block Grant funding from FFY 2021, Contract No. C000082259, and \$1,412,852 of Community Development Block Grant Competitive funding from FFY 2021-C, toward the HBJTJMA Rt 147 Waterline Replacement activity in Herndon Borough, Northumberland County. The funds will be used to replace the water main along Route 147. The new water main line will be 8" in diameter replacing the 6" diameter pipe.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The purpose of this project is to replace the water main along Route 147.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The existing conditions of the current water main is deteriorating.

Funding Information

Grant Number	HUD Program	Funding Amount
C000082259	CDBG Entitlement	\$155,140
C000082954	CDBG Entitlement	\$1,412,852

Estimated Total HUD Funded Amount: \$1,567,992

This project anticipates the use of funds or assistance from another Federal agency in addition to HUD in the form of (if applicable): \$ 0

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$1,567,992

Historic Properties (includes archeology): The "circumstances requiring compliance" threshold is considered to be a determination by the RE, made in consultation with the SHPO/THPO (and ACHP if it has decided to participate in 36 CFR Part 800 required consultations), that the undertaking will have either No Adverse Effect or an Adverse Effect on properties/archaeological resources on or eligible for listing on the National Register of Historic Properties (NR) in the Area of Potential Effect for the proposed undertaking. Compliance is achieved by documenting implementation of procedures set forth at 36 CFR 800 et. seq. The phrase "no circumstances which require compliance" [as used in §58.34(a)(12)] shall apply only when the RE has: reached an adequately documented finding of "No Historic Properties Affected," in accordance with 36 CFR §800.4(d)(1); AND, received no objections within thirty (30) days from the SHPO's/THPO's (and the ACHP's if it has decided to participate in Part 800 required consultations) date of receipt of a formal consultation letter from the Responsible Entity transmitting that finding. For the definition of an "adequately documented finding," see 36 CFR §800.11(b) & (d). Determinations are based on a review of the NR, field observation, a check with other individuals or groups having the requisite expertise, and consultations with the SHPO required by 36 CFR Part 800.

Floodplain Management: The project is within or will impact on the 100-year floodplain identified by the FEMA Flood Hazard Boundary or Flood Insurance Rate Map. If no such maps have been published, the same finding is necessary by the grantee's Engineer or local Flood Control Agency. If the Project involves a critical Capital Fund (e.g. a fire station, a hospital, etc.), the 500-year flood plain applies. Initiate and complete reviews required by the HUD Procedures for the Implementation of Executive Order 11988", as set forth in 24 CFR Part 55 (Project may be approved if there is no practicable alternative outside the floodplain).

Wetlands Protection: The project is within, or will affect a wetland. This finding is based on review of Federal National Wetlands Inventory Maps unless more current information is available. Initiate and complete the Water Resources Council 8-step procedure (Project may be approved if there is no practicable alternative outside the wetland area).

Coastal Zone Management (CZM): The project is within the area covered by a Federally-approved CZM Program. A consistency determination/permit from the State CZM agency or other relevant jurisdictional authority is required to document consistency.

Sole Source Aquifers and Safe Drinking Water: The project will occur in an area designated by EPA as a sole source aquifer. Contact US EPA Regional Office to confirm whether project meets the threshold for a formal EPA review. If it does, then a circumstance requiring compliance exists. Compliance is achieved by obtaining EPA's formal review and approval of the project.

Farmland Protection Policy Act of 1981: The project involves the conversion of farmland to non-agricultural use. Recipients can obtain assistance from the USDA Soil Conservation Service, in determining whether a proposed location or site meets the Act's definition of farmland. If the site meets the Act's definition, then the recipient must complete the review process as set forth in 7 CFR Part 658, "Farmland Protection Policy: Final Rule."

Endangered Species: The project will affect an endangered species of plants or animals, or an critical habitat. This finding is based on a review of the "Federally-Listed Endangered and Threatened Species" for the area in which the project is situated. Initiate and complete consultation with the U.S. Fish and Wildlife Service (FWS) as required under Section 7 of the Endangered Species Act.

Wild and Scenic Rivers: The project will have an effect on a river which is a component of the National Wild and Scenic Rivers System or is under consideration for inclusion in the System. This finding is based on information from and consultation with the Department of the Interior (DOI). Consult DOI Park Service for resolution assistance.

Air Quality: The project is within a non-attainment area for which EPA has approved the State Implementation Plan (SIP), and there are SIP controls for such a project. Consider compliance issues in the project decision. If issues are transportation-related, priority must be given to implementing those portions of the SIP to achieve and maintain national primary air quality standards. The Department of Environmental Protection responsible for SIP implementation should be consulted. Permits should be obtained as relevant.

Noise Abatement and Control (24 CFR Part 51B): The project involves noise sensitive uses [24 CFR Part 51.101(a)(3)], and the ambient noise level at the Project site is above 65 dB. This finding is based on the HUD Noise Assessment Guidelines (NAG) or other acoustical data. Require appropriate mitigation measures or justify deviation from the HUD standards.

Hazardous Operations Explosive or Flammable in Nature (24 CFR Part 51C): The project is in the vicinity of hazardous operation involving explosive or flammable fuels or chemicals which exceed the standards and application of HUD Guidebook, "Siting of HUD-Assisted Projects Near Hazardous Facilities". Require appropriate mitigation measures as per the above-cited regulations. NOTE: 24 CFR Part 51C does not apply to projects involving the renovation only of existing commercial, industrial, institutional, or open space–recreational facilities.

Runway Clear Zones at Designated Commercial Service Airports and Clear Zones and Accident Potential Zones at Military Airfields (24 CFR Part 51D): The project is located in such zones and consists of activities as cited in 24 CFR Part 51D, Section 51.302. Comply with appropriate procedures and policies set forth in the above cited regulations.

Site Contamination* [24 CFR part 58.5(i)(2)]: Based upon an evaluation of previous uses of the project site/structures involved and area in proximity** to the site, a site inspection, and other current techniques by qualified professionals determined necessary by the RE, site contamination issues have been identified. Particular attention should be given to any proposed site on or in the general proximity to such areas as dumps, landfills, industrial sites or other locations that are creating problems, or are suspected of creating problems related to hazardous materials, contamination, toxic chemicals and gases, and radioactive substances. Since it is HUD policy that properties being proposed for use in HUD programs be free of contamination problems that could affect the health and safety of occupants, or conflict with the intended utilization of a project property, the RE must either require appropriate mitigation measures to assure a safe site, or require evidence from the project sponsor that appropriate mitigation measures have been implemented by qualified professionals, consistent with relevant Federal, State, and local laws and regulations, ensuring that the occupants of proposed sites will not be adversely affected by the type of hazards listed above.

Environmental Justice (Executive Order 12898): The project has been determined to have adverse health or environmental effects, which disproportionately impact a minority or low-income population relative to the community at large. The potential for new or continued adverse effects must then be evaluated. If susceptible populations are impacted: mitigation or avoidance must be considered to the extent practicable; and public participation processes must involve the affected population in the decision-making process. Steps taken to identify, and as appropriate, to avoid or mitigate such impacts, and to involve the affected population, should be documented in the ERR.***

* Excerpted from point III, page 56120, in the Supplementary Information section of amendment to 24 CFR Part 58, as published in the Federal Register, 9/29/03 (Volume 68, Number 188): "The policy set forth in Sec. 58.5(i)(2) requires due diligence in accordance with the language in that section, but is not intended to suggest any liability for damages caused by unknown or undiscovered hazards where an appropriate review has been performed. In addition, the policy that sites be free from hazardous materials, etc., does not require a complete absence of such materials, but only that the property be free of hazards where the hazard could affect the health and safety of occupants or conflict with the intended use of the property. The policy also does not prescribe any specific form of remediation, which may vary depending upon the nature of the hazard."

** HUD has left the definition of the term "proximity" as used in Sec. 58.5(i)(2), up to the Responsible Entity. As concerns certain Programs under which HUD is to perform environmental reviews (i.e. the HOPWA, SHOP, and Youthbuild Programs), proximity is discussed as the area within 3,000 feet of the project site.

*** The Executive Order calls on Federal agencies, and in the case of HUD, units of general purpose government acting under an assumption of HUD's environmental review responsibility, to identify and address, to the extent practicable, disproportionately high adverse human health or environmental effects of their programs, policies and activities on minority and low income populations.

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

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits of approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	No airports located near project. Appendix H – Checklist and map
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	“Out” determination made. Appendix B contains FIRM and Coastal Barrier Resources Map
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	NFIP CID # 420735 Appendix A
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	No air contaminants in proximity to project. Air Quality map included in Appendix L
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Only coastal areas in PA are Lake Erie and Delaware River. Appendix B - map
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	EPA Superfund and CERCLA list were reviewed; property is not located within 3,000 feet of a toxic or solid waste landfill. PACT conducted Appendix K
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	PNDI-787523 No endangered species or impacts to the environment identified. Appendix D - letter
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	No areas of concern in project area per site visit and photographs. No increase in number of persons exposed. Appendix K & Attachment 2
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	No farmlands affected by project. No change in land use. Appendix G - NRCS USDA Websoil Mapper

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Project is not located in a floodplain. FEMA Map No. 42035C0389E Effective Date: 6/16/2016 Appendix A - checklist
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	PHMC/SHPO consulted. ER # [REDACTED] Appendix C - letter
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Project is not a noise sensitive use; as such the project is not subject to noise standards. Site visit – Part 1, page 12 Appendix I - checklist
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	No sole source aquifers in project area. Appendix F - map
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	No wetlands located in project area. Appendix A - map
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	No effect to wild and scenic rivers. Appendix E - map
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Project provides service to all persons and does not disproportionately affect LMI persons. Appendix J - map

Other Requirements (Section 58.6) Checklist

PROJECT NAME: HBJTJMA Rt 147 Waterline Replacement Herndon

GRANT NUMBER: C000082259; C000082954

In addition to the duties under the laws and authorities specified in 58.5 for assumption by Responsible Entities (RE) under the laws cited in 58.1(b), RE must comply with the following requirements. Applicability of the following requirements does not trigger the certification and release of funds procedure under this Part or preclude exemption of an activity under 58.34 (a) (12) and/or the applicability of 58.35(b). However, the RE remains responsible for addressing the following requirements in its ERR and meeting these requirements, where applicable, regardless of whether the activity is exempt under 58.34 or Categorically Excluded under 58.35 (a) or (b).

(a) Federal Flood Insurance Purchase Requirements (do not apply to funds from Federal formula grants made to a State).

(1) Does the project involve acquisition or construction (including rehabilitation) in a community identified by the Federal Emergency Management Agency (FEMA) as having special flood hazard areas (100-year and 500-year floodplains)?

Yes ☐ No ☒ If "Yes," go to (a)(2). If "No," go to Question (b).

(2) Is the project located in 100-year flood plain (500-year floodplain for "critical" Capital Funds*)? Yes ☐ No ☐
If "Yes," go to (a) (3). If "No," go to Question (b).

(3) Is the community in which the project is located (X) participating in the National Flood Insurance Program or, () has less than a year passed since FEMA notified the community concerning such hazards. (Please check one of the above depending on the situation) Yes ☐ No ☐. If "Yes," attach a statement concerning how you will assure that flood insurance will be maintained in accordance with the "Flood Insurance Protection" guidance sheet attached to this Checklist and go to Question (b). The implementation of this project consistent with your statement must be made a condition on the environmental findings and recommendations for the project. If "No," project cannot be funded.

*As defined in the U.S. Water Resources Council's Floodplain Management Guidelines for Implementing Executive Order 11988.

(b) Coastal Barriers Resources

Is the project to be undertaken located in the coastal Barrier Resources System, as amended by the Coastal Barrier Improvement Act of 1990 (16 U.S.C. 3501)?

Yes ☐ No ☒ If "Yes," Federal financial assistance may not be provided. If "No," then go to Question (c).

(c) Projects located in Close Proximity to Airports Contained on the HUD list of 24 CFR Part 51D Covered Airports.

Does the project involve assistance, subsidy, or insurance for the purchase or sale of an existing property in a Runway Clear Zone or Clear Zone as defined in 24 CFR Part 51D? Yes ☐ No ☒ If "Yes," the buyer must be advised that the property is in a runway Clear Zone or Clear Zone, what the implications of such a location are, and then there is a possibility that the property may, at a later date, be acquired by the airport operator. The buyer must sign a statement acknowledging receipt of this information. The implementation of this requirement must be made a condition in the environmental review findings and recommendations for this project.

Prepared by: Nadine Simpson Title: Program Analyst, Community Development, SEDA-COG

Date: 6/1/2023 Signature: _____

Flood Insurance Protection

Duration of Flood Insurance Coverage. The statutory period for flood insurance coverage may extend beyond project completion. For loans, loan insurance or guaranty, flood insurance coverage must be continued for the term of the loan. For grants and other non-loan forms of assistance, coverage must be continued for the life of the property, regardless of transfer of ownership of such property. Section 582(c) of the Community Development and Regulatory Improvement Act of 1994 mandates that "...The requirement of maintaining flood insurance shall apply during the life of the property, regardless of transfer of ownership of such property." (42 U.S.C. 5154a)

Dollar Amount of Flood Insurance Coverage. For loans, loan insurance or guaranty, the amount of flood insurance coverage need not exceed the outstanding principal balance of the loan. For grants and other forms of financial assistance, the amount of flood insurance coverage must be at least equal to the development or project cost (less estimated land cost) or to the maximum limit of coverage made available by the Act with respect to the particular type of building involved (SF-Single Family, OR-Other Residential, NR-Non Residential, or SB-Small Business), whichever is less. The development or project cost is the total cost for acquiring, constructing, reconstructing, repairing or improving the building. This cost covers both the Federally assisted and the non-Federally assisted portion of the cost, including any machinery, equipment, fixtures, and furnishings. If the Federal assistance includes any portion of the cost of any machinery, equipment, fixtures or furnishings, the total cost of such items must also be covered by flood insurance.

Proof of Purchase. The standard documentation for compliance with Section 102 (a) is the Policy Declarations form issued by the National Flood Insurance Program or issued by any property insurance company offering coverage under the National Flood Insurance Program. The insured has its insurer automatically forward to the grantee in the same manner as to the insured, information copies of the Policy Declarations form for verification of compliance with the Act. Any financially assisted SFHA building lacking a current Policy Declarations form is in Noncompliance.

Grantee's Evidence of Compliance under the Certification. The grantee must maintain a complete and up-to-date listing of its on-file and current Policy Declarations for all financially assisted SFHA buildings. As a part of the listing, the grantee should identify any such assisted building for which a current Policy Declarations form is lacking and attach a copy of the written request made by the grantee to the owner to obtain a current Policy Declarations form.

**NOTICE TO PROSPECTIVE BUYERS OF PROPERTIES LOCATED IN
RUNWAY CLEAR ZONES AND CLEAR ZONES/ACCIDENT POTENTIAL ZONES**

(In accordance with 24 CFR Part 51, Section 51.303(a)(3), this notice must be given to anyone interested either in buying an existing HUD property, or using HUD assistance to buy an existing property that is located in either a Runway Clear Zone at a civil airport or a Clear Zone/Accident Potential Zone at a military installation.)

The property which you are interested in purchasing at _____ is located in the Runway Clear Zone/Clear Zone/Accident Potential Zone for _____.

Studies have shown that if an accident were to occur it is more likely to occur within the Runway Clear Zone/Clear Zone/Accident Potential Zone than in other areas around the airport/airfield. Please note that we are not discussing the chances that an accident will occur, only where one is most likely to occur.

You should also be aware that the airport/airfield operator may wish to purchase the property at some point in the future as part of a Runway Clear Zone/Clear Zone/Accident Potential Zone acquisition program. Such programs have been underway for many years at airports and airfields across the country. We cannot predict if or when this might happen since it is a function of many factors, particularly the availability of funds, but it is a possibility.

We wanted to bring this information to your attention. Your signature on the space below indicates that you are now aware that the property you are interested in is located in a Runway Clear Zone/Clear Zone/Accident Potential Zone.

Signature of prospective buyer

Date

Type or print name of prospective buyer

N/A

(This notice must be maintained as part of the file on this Capital Fund)

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- | | |
|-----------------------------|---|
| (1) Minor beneficial impact | (3) Minor Adverse Impact – May require mitigation |
| (2) No impact anticipated | (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement |

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	Consultation with Northumberland County Planning
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	Consultation with Northumberland County Conservation
Hazards and Nuisances including Site Safety and Noise	2	Consultation with Northumberland County Planning, PA Department of Environmental Protection, U.S. Environmental Protection Agency
Energy Consumption	2	No Impact
SOCIOECONOMIC		
Employment and Income Patterns	2	No Impact
Demographic Character Changes, Displacement	2	No Impact, no displacement.
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	2	No Impact
Commercial Facilities	2	No Impact
Health Care and Social Services	2	No Impact
Solid Waste Disposal / Recycling	2	No Impact
Waste Water / Sanitary Sewers	2	No Impact
Water Supply	1	Minor Beneficial Impact
Public Safety - Police, Fire and Emergency Medical	2	No Impact
Parks, Open Space and Recreation	2	No Impact
Transportation and Accessibility	2	No Impact
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	PNDI-787523 - No known impact
Vegetation, Wildlife	2	PNDI-787523 - No known impact
Other Factors	2	None

Additional Studies Performed: No additional studies performed.

Field Inspection (Date and completed by): **3/26/2023** by Tonia Troup

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

U.S. Army Corps of Engineers
Northumberland County Historical Society
Pennsylvania Historical & Museum Commission
Northumberland County Conservation District
Department of Environmental Protection
U.S. Environmental Protection Agency
Pennsylvania Department of Transportation
Herndon Borough
HBJTJMA
Northumberland County Planning
Pennsylvania Department of Community & Economic Development

List of Permits Obtained:

Permits will be obtained as determined by results of the Environmental Review.

Public Outreach [24 CFR 50.23 & 58.43]:

Letters sent on: 6/1/2023, with 30-day comment period ending: 7/3/2023

Finding of No Significant Impact and Notice of Intent to Request Release of Funds published in The Daily Item on 7/7/2023.

Cumulative Impact Analysis [24 CFR 58.32]:

- Department of the Army authorization required for discharge of dredged and/or fill material into waters of the U.S., including jurisdictional wetlands.
- Historical properties – No known impact.
- Endangered species – PNDI-787523
- Erosion controls addressed by E&S Plan.

It has been determined that the HBJTJMA Rt 147 Waterline Replacement Herndon Project activities are in compliance with local and area planning and will have no adverse impact on the environment.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

An alternative to the project scope would be to only replace a portion of the water main along Route 147 - Option rejected due to the need for a full replacement.

No Action Alternative [24 CFR 58.40(e)]:

No action alternative would be to not complete the project scope. - Option rejected due to the need for a water main replacement.

Summary of Findings and Conclusions:

Upon consultation with local, state, and federal agencies, it has been determined that the HBJTJMA Rt 147 Waterline Replacement Herndon Project activities will not have an adverse impact on the surrounding environment.

The Environmental Review has been leveled as an Environmental Assessment as 58.36 due to the project area increasing in size by more than 20.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]

Summarize below all 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 in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
	No mitigation required.

Determination:

☒ **Finding of No Significant Impact** [24 CFR 58.40(g)(1); 40 CFR 1508.27]

The project will not result in a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact** [24 CFR 58.40(g)(2); 40 CFR 1508.27]

The project may significantly affect the quality of the human environment.

Preparer Signature: _____ Date: July 4, 2023

Name/Title/Organization: Nadine Simpson, Program Analyst, Community Development

201 Furnace Road, Lewisburg, PA 17837

Certifying Officer Signature: _____ Date: July 4, 2023

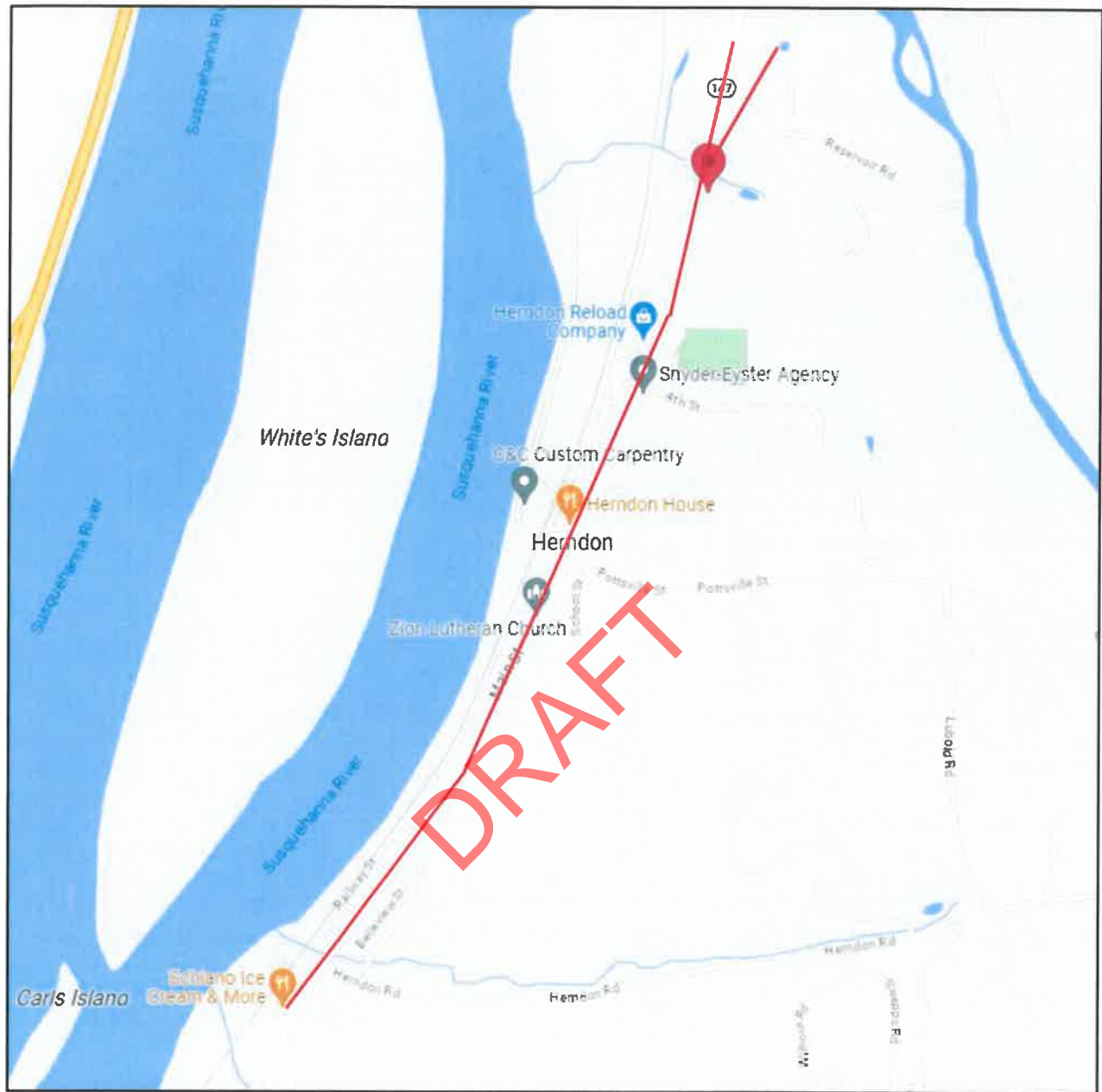
Name/Title: Justin Skavery, Grants Manager

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

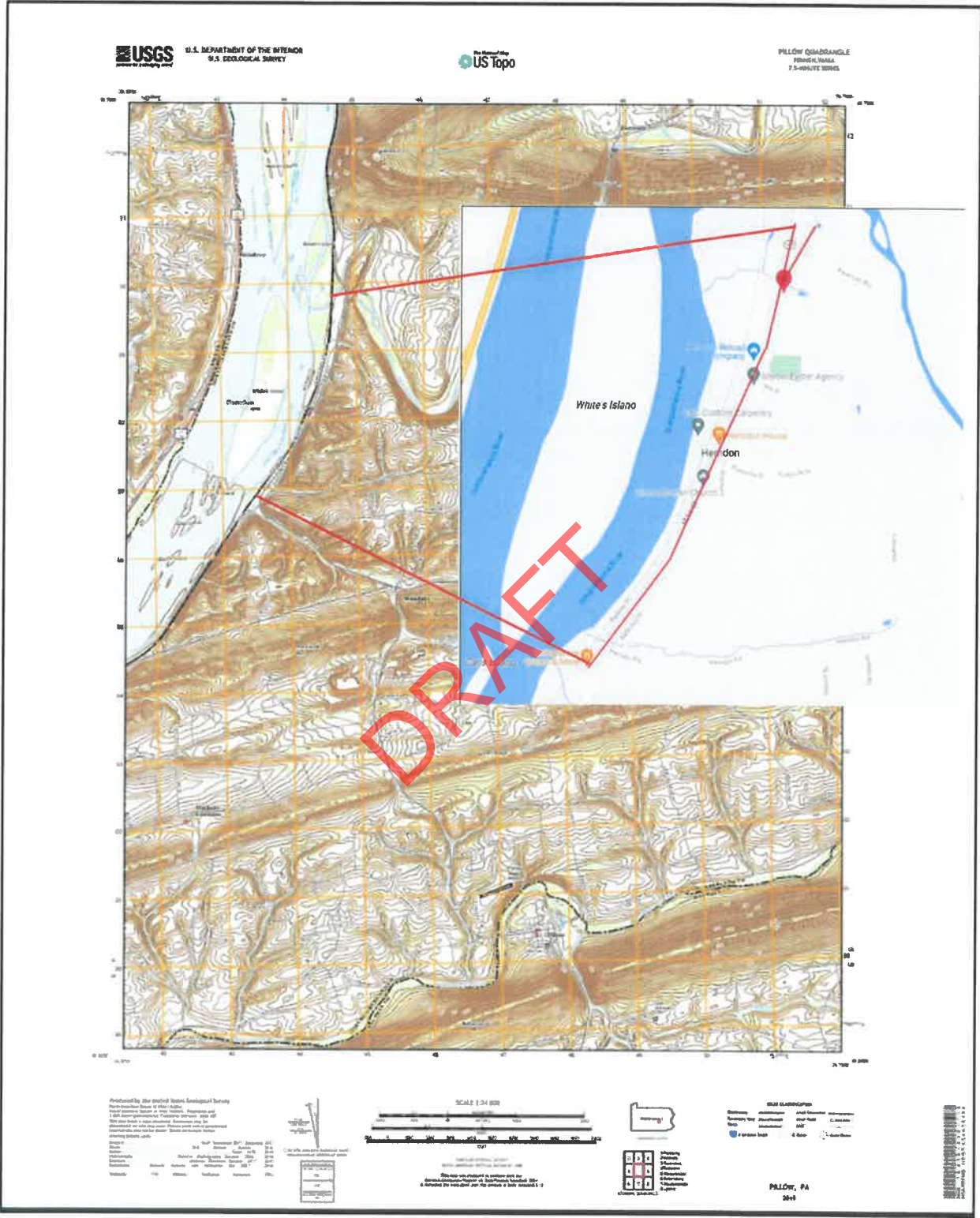
ATTACHMENT 1

TOPOGRAPHIC AND PROJECT LOCATION MAPS

DRAFT



HBJTJMA Rt. 147 Waterline Replacement
Herndon, Northumberland County, PA



HBJTJMA Rt. 147 Waterline Replacement
Herndon, Northumberland County, PA
Quad Herndon, PA

ATTACHMENT 2

PHOTOGRAPHS

DRAFT

APPENDIX A

FLOODPLAIN MANAGEMENT WETLANDS PROTECTION FLOOD INSURANCE

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Floodplain Management (CEST and EA)

General Requirements	Legislation	Regulation
Executive Order 11988, Floodplain Management, requires Federal activities to avoid impacts to floodplains and to avoid direct and indirect support of floodplain development to the extent practicable.	Executive Order 11988	24 CFR 55
Reference https://www.hudexchange.info/environmental-review/floodplain-management		

1. Does [24 CFR 55.12\(c\)](#) exempt this project from compliance with HUD's floodplain management regulations in Part 55?

☐ Yes

Provide the applicable citation at 24 CFR 55.12(c) here. If project is exempt under 55.12(c)(7) or (8), provide supporting documentation.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

☒ No → Continue to Question 2.

2. Provide a FEMA/FIRM or ABFE map showing the site.

The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs) or Advisory Base Flood Elevations (ABFEs). For projects in areas not mapped by FEMA, use the best available information to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site.

Does your project occur in a floodplain?

☒ No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

☐ Yes

Select the applicable floodplain using the FEMA map or the best available information:

☐ Floodway → Continue to Question 3, Floodways

☐ Coastal High Hazard Area (V Zone) → Continue to Question 4, Coastal High Hazard Areas

☐ 500-year floodplain (B Zone or shaded X Zone) → Continue to Question 5, 500-year Floodplains

☐ 100-year floodplain (A Zone) → The 8-Step Process is required. Continue to Question 6, 8-Step Process

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

3. Floodways

Is this a functionally dependent use?

☐ Yes

The 8-Step Process is required. Work with your HUD FEO to determine a way to satisfactorily continue with this project. Provide a completed 8-Step Process, including the early public notice and the final notice.

→ Continue to Question 6, 8-Step Process

☐ No

Federal assistance may not be used at this location unless a 55.12(c) exception applies. You must either choose an alternate site or cancel the project at this location.

4. Coastal High Hazard Area

Is this a critical action?

☐ Yes

Critical actions are prohibited in coastal high hazard areas. Federal assistance may not be used at this location. Unless the action is excepted at 24 CFR 55.12(c), you must either choose an alternate site or cancel the project.

☐ No

Does this action include construction that is not a functionally dependent use, existing construction (including improvements), or reconstruction following destruction caused by a disaster?

☐ Yes, there is new construction.

New construction is prohibited in V Zones ((24 CFR 55.1(c)(3)).

☐ No, this action concerns only a functionally dependent use, existing construction (including improvements), or reconstruction following destruction caused by a disaster.

This construction must have met FEMA elevation and construction standards for a coastal high hazard area or other standards applicable at the time of construction.

→ Continue to Question 6, 8-Step Process

5. 500-year Floodplain

Is this a critical action?

☐ No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

☐ Yes → Continue to Question 6, 8-Step Process

6. 8-Step Process.

Does the 8-Step Process apply? Select one of the following options:

☐ 8-Step Process applies.

Provide a completed 8-Step Process, including the early public notice and the final notice.

→ Continue to Question 7, Mitigation

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- ☐ 5-Step Process is applicable per 55.12(a)(1-3).

Provide documentation of 5-Step Process.

Select the applicable citation:

- ☐ 55.12(a)(1) HUD actions involving the disposition of HUD-acquired multifamily housing projects or "bulk sales" of HUD-acquired one- to four-family properties in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24).
- ☐ 55.12(a)(2) HUD's actions under the National Housing Act (12 U.S.C. 1701) for the purchase or refinancing of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, and intermediate care facilities, in communities that are in good standing under the NFIP.
- ☐ 55.12(a)(3) HUD's or the recipient's actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, intermediate care facilities, and one- to four-family properties, in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and are in good standing, provided that the number of units is not increased more than 20 percent, the action does not involve a conversion from nonresidential to residential land use, the action does not meet the thresholds for "substantial improvement" under § 55.2(b)(10), and the footprint of the structure and paved areas is not significantly increased.
- ☐ 55.12(a)(4) HUD's (or the recipient's) actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing nonresidential buildings and structures, in communities that are in the Regular Program of the NFIP and are in good standing, provided that the action does not meet the thresholds for "substantial improvement" under § 55.2(b)(10) and that the footprint of the structure and paved areas is not significantly increased.

→ Continue to Question 7, Mitigation

- ☐ 8-Step Process is inapplicable per 55.12(b)(1-4).

Select the applicable citation:

- ☐ 55.12(b)(1) HUD's mortgage insurance actions and other financial assistance for the purchasing, mortgaging or refinancing of existing one- to four-family properties in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24), where the action is not a critical action and the property is not located in a floodway or coastal high hazard area.
- ☐ 55.12(b)(2) Financial assistance for minor repairs or improvements on one- to four-family properties that do not meet the thresholds for "substantial improvement" under § 55.2(b)(10)
- ☐ 55.12(b)(3) HUD actions involving the disposition of individual HUD-acquired, one- to four-family properties.
- ☐ 55.12(b)(4) HUD guarantees under the Loan Guarantee Recovery Fund Program (24 CFR part 573) of loans that refinance existing loans and mortgages, where any new construction or rehabilitation financed by the existing loan or mortgage has been completed prior to the filing of an application under the program, and the refinancing will not allow further construction or rehabilitation, nor result in any physical impacts or changes except for routine maintenance.

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- ☐ 55.12(b)(5) The approval of financial assistance to lease an existing structure located within the floodplain, but only if—
- (i) The structure is located outside the floodway or Coastal High Hazard Area, and is in a community that is in the Regular Program of the NFIP and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24);
 - (ii) The project is not a critical action; and
 - (iii) The entire structure is or will be fully insured or insured to the maximum under the NFIP for at least the term of the lease.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

7. Mitigation

For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

- All areas of earth disturbance will be returned to their original condition.
- Sedimentation controls will be implemented during project activities.
- The activity will conform to all applicable laws, regulations, and permits.
- Upon completion, the site will be returned to its natural contours

Which of the following mitigation/minimization measures have been identified for this project in the 8-Step or 5-Step Process? Select all that apply.

- ☐ Permeable surfaces
- ☐ Natural landscape enhancements that maintain or restore natural hydrology
- ☐ Planting or restoring native plant species
- ☐ Bioswales
- ☐ Evapotranspiration
- ☐ Stormwater capture and reuse
- ☐ Green or vegetative roofs with drainage provisions
- ☐ Natural Resources Conservation Service conservation easements or similar easements
- ☐ Floodproofing of structures
- ☐ Elevating structures including freeboarding above the required base flood elevations
- ☐ Other

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

***HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County***

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

FEMA Map No. 42097C0380D effective 7/16/2008

Consultation 6/1/2023 with:

- U.S. Army Corps of Engineers
- Northumberland County Historical Society
- State Historic Preservation Office
- Northumberland County Conservation
- Environmental Protection Agency
- PennDOT
- Herndon Borough
- Northumberland County Planning
- Pennsylvania Department of Community and Economic Development

No additional requirements identified from consultations.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

National Flood Hazard Layer FIRMette



N 50°28'W 40°43'19"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000
 Basemap: USGS National Map: Orthorectified; Data refreshed October, 2020

Legend

SEE FIRM REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FROM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
 Without Base Flood Elevation (BFE)
 Zone A, X, AP
 With BFE or Depth Zone AC, AE, AH, VE, AP
 Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone Z
 Future Conditions 1% Annual Chance Flood Hazard Zone X
 Area with Reduced Flood Risk due to Levees, See Notes, Zone F
 Area with Flood Risk due to Levees Zone D

OTHER AREAS
 NO ZONING Area of Minimal Flood Hazard Zone H
 Effective LOMRs
 Area of Undetermined Flood Hazard Zone O

GENERAL STRUCTURES
 Channel, Culvert, or Storm Sewer
 Levee, Dike, or Floodwall

OTHER FEATURES
 Coast Section with 1% Annual Chance Water Surface Elevation
 Coastal Tract
 Base Flood Elevation Line (BFE)
 Limit of Study
 Jurisdiction Boundary
 Coastal Tract Baseline
 Profile Baseline
 Hydrographic Feature

MAP PANELS
 Digital Data Available
 No Digital Data Available
 Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps. If it is not valid as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was prepared on 08/16/2020 at 10:00 AM and does not represent an official FEMA product. It is not for use in legal proceedings. The NFHL and effective information may change or become superseded by new data over time.

This map image is valid if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

HBJTJMA Rt. 147 Waterline Replacement
 Herndon, Northumberland County, PA

National Flood Hazard Layer FIRMette



79°28'44"W 40°43'N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

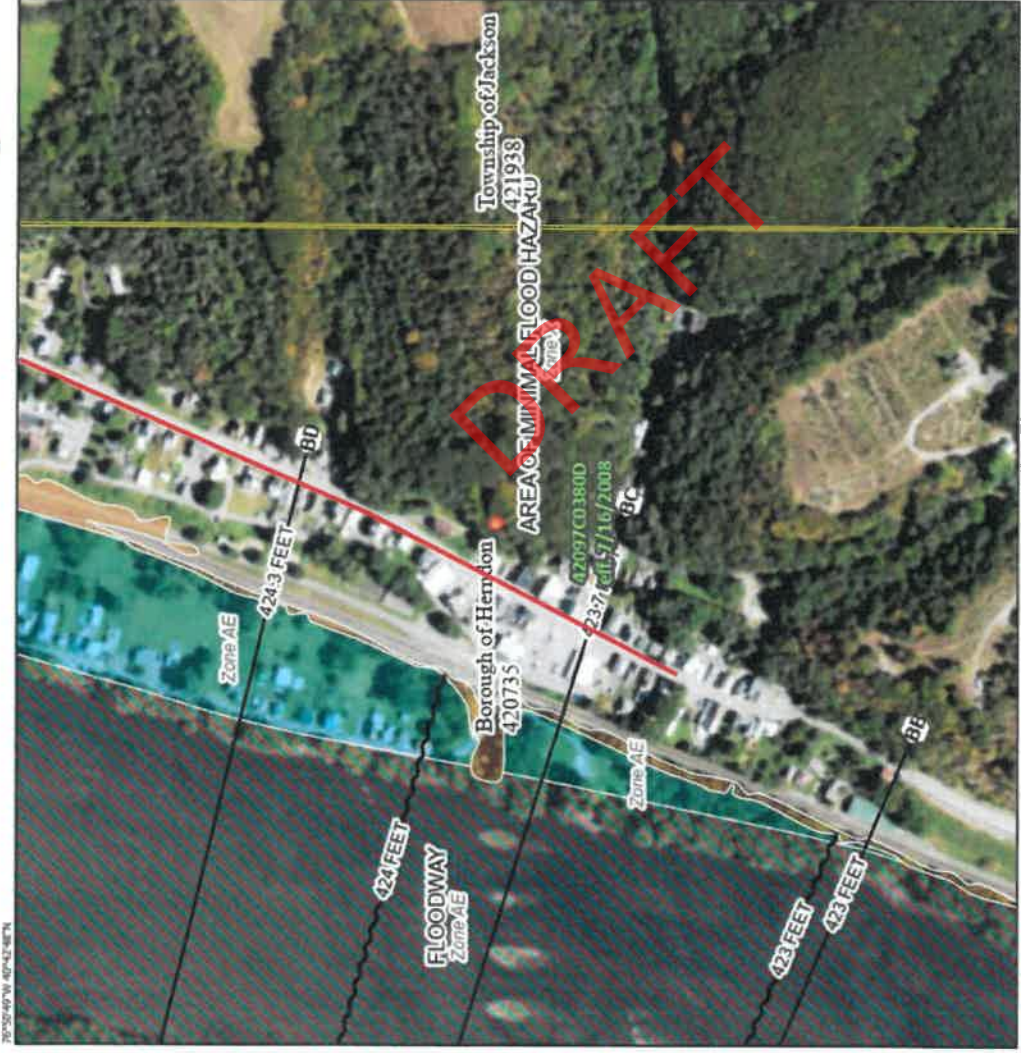
Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIRM REPORT FOR DETAILED LEGEND AND NOTES MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
Without Base Flood Elevation (BFE)
Zone A 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 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1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 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1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 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1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141,

National Flood Hazard Layer FIRMette



Legend

SEE THIS REPORT FOR DETAILED LEGEND AND WORK MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
- With BFE or Depth Zone AE, AO, AH, VC, AP
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone A
- Area with Reduced Flood Risk due to Levees, See Notes, Zone C
- Area with Flood Risk due to Levees Zone D

OTHER AREAS

- Area of Minimal Flood Hazard Zone F
- Effective LDMs
- Area of Undetermined Flood Hazard Zone G

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Tract
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Tract Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/18/2023 at 11:49 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

HB1JMA Rt. 147 Waterline Replacement
Herndon, Northumberland County, PA

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Flood Insurance (CEST and EA)

General requirements	Legislation	Regulation
Certain types of federal financial assistance may not be used in floodplains unless the community participates in National Flood Insurance Program and flood insurance is both obtained and maintained.	Flood Disaster Protection Act of 1973 as amended (42 USC 4001-4128)	24 CFR 50.4(b)(1) and 24 CFR 58.6(a) and (b); 24 CFR 55.1(b).
Reference		
https://www.hudexchange.info/environmental-review/flood-insurance		

1. Does this project involve financial assistance for construction, rehabilitation, or acquisition of a mobile home, building, or insurable personal property?

☒ No. This project does not require flood insurance or is excepted from flood insurance.
→ Continue to the Worksheet Summary.

☐ Yes → Continue to Question 2.

2. Provide a FEMA/FIRM map showing the site.

The Federal Emergency Management Agency (FEMA) designates floodplains. The [FEMA Map Service Center](#) provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs). For projects in areas not mapped by FEMA, use the best available information to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site. Provide FEMA/FIRM floodplain zone designation, panel number, and date within your documentation.

Is the structure, part of the structure, or insurable property located in a FEMA-designated Special Flood Hazard Area?

☐ No → Continue to the Worksheet Summary.

☐ Yes → Continue to Question 3.

3. Is the community participating in the National Flood Insurance Program or has less than one year passed since FEMA Notification of Special Flood Hazards?

☐ Yes, the community is participating in the National Flood Insurance Program. For loans, loan insurance or loan guarantees, flood insurance coverage must be continued for the term of the loan. For grants and other non-loan forms of financial assistance, flood insurance coverage must be continued for the life of the building irrespective of the transfer of ownership. The amount of coverage must equal the total project cost or the maximum coverage limit of the National Flood Insurance Program, whichever is less

Provide a copy of the flood insurance policy declaration or a paid receipt for the current annual flood insurance premium and a copy of the application for flood insurance.

→ Continue to the Worksheet Summary.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

- ☐ Yes, less than one year has passed since FEMA Notification of Special Flood Hazards.
If less than one year has passed since Notification of Special Flood Hazards, no flood
Insurance is required.

→ Continue to the Worksheet Summary.

- ☐ No. The community is not participating, or its participation has been suspended.
Federal assistance may not be used at this location. Cancel the project at this location.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

FEMA Map No. 42097C0380D 7/16/2008

Consultation 6/1/2023 with:

- U.S. Army Corps of Engineers
- Northumberland County Historical Society
- State Historic Preservation Office
- Northumberland County Conservation
- Environmental Protection Agency
- PennDOT
- Herndon Borough
- Northumberland County Planning
- Pennsylvania Department of Community and Economic Development

No additional requirements identified from consultations.

Are formal compliance steps or mitigation required?

- ☐ Yes
☒ No

Federal Emergency Management Agency

Community Status Book Report

PENNSYLVANIA

Communities Participating in the National Flood Program

CID	Community Name	County	Init FHBM Identified	Init FIRM Identified	Curr Eff Map Date	Reg-Emer Date	Tribal
421223A	HANOVER, TOWNSHIP OF	BEAVER COUNTY	09/06/74	09/01/86	08/17/15	09/01/86	No
421144B	HARBORCREEK, TOWNSHIP OF	ERIE COUNTY	09/13/74	09/17/80	06/07/17	09/17/80	No
422081A	HARFORD, TOWNSHIP OF	SUSQUEHANNA COUNTY	09/20/74	09/01/86	04/02/13(M)	09/01/86	No
421068#	HARMAR, TOWNSHIP OF	ALLEGHENY COUNTY	09/06/74	07/02/80	09/26/14	07/02/80	No
420217A	HARMONY, BOROUGH OF	BUTLER COUNTY	06/14/74	05/04/89	08/02/18	05/04/89	No
422082#	HARMONY, TOWNSHIP OF	SUSQUEHANNA COUNTY	01/17/75	01/16/81	04/02/13	01/16/81	No
421038A	HARMONY, TOWNSHIP OF	BEAVER COUNTY	03/22/74	01/03/79	08/17/15	01/03/79	No
421645#	HARMONY, TOWNSHIP OF	FOREST COUNTY	07/18/75	11/05/86	11/26/10	11/05/86	No
420262#	HARRIS, TOWNSHIP OF	CENTRE COUNTY	06/28/74	06/05/89	05/04/09	06/05/89	No
420380#	HARRISBURG, CITY OF	DAUPHIN COUNTY	04/05/74	05/02/77	08/02/12	05/02/77	No
421338#	HARRISON, TOWNSHIP OF	BEDFORD COUNTY	01/24/75	07/04/89	03/02/12	07/04/89	No
421978#	HARRISON, TOWNSHIP OF	POTTER COUNTY	02/28/75	06/01/87	07/18/11(M)	06/01/87	No
420041#	HARRISON, TOWNSHIP OF	ALLEGHENY COUNTY	11/02/73	09/29/78	09/26/14	09/29/78	No
422351A	HARRISVILLE, BOROUGH OF	BUTLER COUNTY	01/24/75	06/30/76	08/02/18(M)	06/30/76	No
422102#	HARTLEY, TOWNSHIP OF	UNION COUNTY	12/20/74	03/04/88	09/28/07	03/04/88	No
420609#	HARVEYS LAKE, BOROUGH OF	LUZERNE COUNTY	12/28/73	12/02/80	11/02/12(M)	12/02/80	No
420230#	HASTINGS, BOROUGH OF	CAMBRIA COUNTY	07/26/74	08/03/89	06/19/12	08/03/89	No
420697B	HATBORO, BOROUGH OF	MONTGOMERY COUNTY	08/09/74	06/15/77	03/02/16	06/15/77	No
420698B	HATFIELD, BOROUGH OF	MONTGOMERY COUNTY	07/30/76	08/15/78	03/02/16	08/15/78	No
420699B	HATFIELD, TOWNSHIP OF	MONTGOMERY COUNTY	07/26/74	11/15/79	03/02/16	11/15/79	No
420417#	HAVERFORD, TOWNSHIP OF	DELAWARE COUNTY	12/28/73	07/05/77	11/18/09	07/05/77	No
420863#	HAWLEY, BOROUGH OF	WAYNE COUNTY	02/01/74	08/19/91	05/16/13	08/19/91	No
421503#	HAWTHORN, BOROUGH OF	CLARION COUNTY	12/27/74	05/01/86	12/09/14(M)	05/01/86	No
421127D	HAYCOCK, TOWNSHIP OF	BUCKS COUNTY	07/26/74	09/03/80	03/16/15	09/03/80	No
421227#	HAYFIELD, TOWNSHIP OF	CRAWFORD COUNTY	08/30/74	08/02/90	08/16/12	08/02/90	No
420042#	HAYSVILLE, BOROUGH OF	ALLEGHENY COUNTY	08/09/74	03/18/80	09/26/14	03/18/80	No
421830#	HAZLE, TOWNSHIP OF	LUZERNE COUNTY	11/08/74	04/01/81	11/02/12	04/01/81	No
421203#	HAZLETON, CITY OF	LUZERNE COUNTY		11/02/12	(NSFHA)	07/31/78	No
421728#	HEATH, CITY OF	JEFFERSON COUNTY	12/06/74	04/01/86	03/15/12(M)	04/01/86	No
421979#	HEBRON, TOWNSHIP OF	POTTER COUNTY	01/17/75	12/01/86	07/18/11(M)	12/01/86	No
421980#	HECTOR, TOWNSHIP OF	POTTER COUNTY	01/17/75	12/01/86	07/18/11(M)	12/01/86	No
422008A	HEGINS, TOWNSHIP OF	SCHUYLKILL COUNTY	01/03/75	09/01/86	11/19/14	09/01/86	No
420043#	HEIDELBERG, BOROUGH OF	ALLEGHENY COUNTY	02/01/74	06/15/81	09/26/14	06/15/81	No
421809#	HEIDELBERG, TOWNSHIP OF	LEHIGH COUNTY	12/27/74	12/04/85	07/16/04	12/04/85	No
422221B	HEIDELBERG, TOWNSHIP OF	YORK COUNTY	01/10/75	09/30/81	12/16/15	09/30/81	No
420969B	HEIDELBERG, TOWNSHIP OF	LEBANON COUNTY	07/19/74	01/20/82	07/08/20	01/20/82	No
421069B	HEIDELBERG, TOWNSHIP OF	BERKS COUNTY	12/06/74	05/03/90	03/21/17	05/03/90	No
420927B	HELLAM, TOWNSHIP OF	YORK COUNTY	03/29/74	03/18/80	12/16/15	03/18/80	No
420723#	HELLERTOWN, BOROUGH OF	NORTHAMPTON COUNTY	02/08/73	09/05/79	07/16/14	09/05/79	No
420344#	HEMLOCK TOWNSHIP OF	COLUMBIA COUNTY	09/13/74	08/01/79	08/19/08	08/01/79	No
421868#	HEMPFIELD, TOWNSHIP OF	MERCER COUNTY	08/30/74	02/15/91	06/09/14	02/15/91	No
420878#	HEMPFIELD, TOWNSHIP OF	WESTMORELAND COUNTY	07/26/74	09/29/78	03/17/11	09/29/78	No
421729#	HENDERSON, TOWNSHIP OF	JEFFERSON COUNTY	10/18/74	04/01/86	03/15/12(M)	04/01/86	No
420960#	HENDERSON, TOWNSHIP OF	HUNTINGDON COUNTY	05/31/74	08/03/89	10/16/12	08/03/89	No
421628A	HENRY CLAY, TOWNSHIP OF	FAYETTE COUNTY	12/06/74	01/01/87	07/18/17(M)	01/01/87	No
420640C	HEPBURN, TOWNSHIP OF	LYCOMING COUNTY	05/10/74	02/17/82	06/02/16	02/17/82	No
421379#	HEREFORD, TOWNSHIP OF	BERKS COUNTY	11/15/74	05/03/90	07/03/12	05/03/90	No
421862#	HERMITAGE, CITY OF	MERCER COUNTY	09/20/74	07/09/76	06/09/14	09/30/81	No
420735#	HERNDON, BOROUGH OF	NORTHUMBERLAND COUNTY	01/23/74	08/01/79	07/16/08	08/01/79	No
422580#	HERRICK, TOWNSHIP OF	SUSQUEHANNA COUNTY	04/04/75	11/05/86	04/02/13(M)	12/19/84	No
421792#	HICKORY, TOWNSHIP OF	LAWRENCE COUNTY	01/31/75	08/02/82	01/18/12	08/02/82	No
421646#	HICKORY, TOWNSHIP OF	FOREST COUNTY	12/20/74	11/19/86	11/26/10	11/19/86	No

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Wetlands (CEST and EA)

General requirements	Legislation	Regulation
Executive Order 11990 discourages that direct or indirect support of new construction impacting wetlands wherever there is a practicable alternative. The Fish and Wildlife Service's National Wetlands Inventory can be used as a primary screening tool, but observed or known wetlands not indicated on NWI maps must also be processed. Off-site impacts that result in draining, impounding, or destroying wetlands must also be processed.	Executive Order 11990	24 CFR 55.20 can be used for general guidance regarding the 8 Step Process.
References		
https://www.hudexchange.info/environmental-review/wetlands-protection		

1. Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance?

The term "new construction" shall include draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective date of the Order.

☒ No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.*

☐ Yes → *Continue to Question 2.*

2. Will the new construction or other ground disturbance impact an on- or off-site wetland?

The term "wetlands" means those areas that are inundated by surface or ground water with a frequency sufficient to support, and under normal circumstances does or would support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, potholes, wet meadows, river overflows, mud flats, and natural ponds. Wetlands under E.O. 11990 include isolated and non-jurisdictional wetlands.

☐ No, a wetland will not be impacted in terms of E.O. 11990's definition of new construction.

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map or any other relevant documentation to explain your determination.*

☐ Yes, there is a wetland that be impacted in terms of E.O. 11990's definition of new construction.

→ *You must determine that there are no practicable alternatives to wetlands development by completing the 8-Step Process.*

Provide a completed 8-Step Process as well as all documents used to make your determination, including a map. Be sure to include the early public notice and the final notice with your documentation.

Continue to Question 3.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

3. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Which of the following mitigation actions have been or will be taken? Select all that apply:

- ☐ Permeable surfaces
- ☐ Natural landscape enhancements that maintain or restore natural hydrology through infiltration
- ☐ Native plant species
- ☐ Bioswales
- ☐ Evapotranspiration
- ☐ Stormwater capture and reuse
- ☐ Green or vegetative roofs with drainage provisions
- ☐ Natural Resources Conservation Service conservation easements
- ☐ Compensatory mitigation

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Wetlands map from <https://www.fws.gov/wetlands/Data/Mapper.html>

FEMA Map No. 42097C0380D 7/16/2008

Consultation 6/1/2023 with:

- U.S. Army Corps of Engineers
- Northumberland County Historical Society
- State Historic Preservation Office
- Northumberland County Conservation
- Environmental Protection Agency
- PennDOT
- Herndon Borough
- Northumberland County Planning
- Pennsylvania Department of Community and Economic Development

No additional requirements identified from consultations.

Are formal compliance steps or mitigation required?

- ☐ Yes
- ☒ No



U.S. Fish and Wildlife Service
National Wetlands Inventory

HBJTJMA Rt. 147 Waterline Replacement



May 16, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currency 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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

HBJTJMA Rt. 147 Waterline Replacement
Herndon, Northumberland County, PA



May 16, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
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- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currency 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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper.

HBJTJMA Rt. 147 Waterline Replacement
Herndon, Northumberland County, PA



U.S. Fish and Wildlife Service
National Wetlands Inventory

HBJTJMA Rt. 147 Waterline Replacement



May 16, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currency 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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

HBJTJMA Rt. 147 Waterline Replacement
Herndon, Northumberland County, PA

APPENDIX B

COASTAL BARRIER RESOURCES COASTAL ZONE MANAGEMENT

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Coastal Barrier Resources (CEST and EA)

General requirements	Legislation	Regulation
HUD financial assistance may not be used for most activities in units of the Coastal Barrier Resources System (CBRS). See 16 USC 3504 for limitations on federal expenditures affecting the CBRS.	Coastal Barrier Resources Act (CBRA) of 1982, as amended by the Coastal Barrier Improvement Act of 1990 (16 USC 3501)	
References		
https://www.hudexchange.info/environmental-review/coastal-barrier-resources		

Projects located in the following states must complete this form.

Alabama	Georgia	Massachusetts	New Jersey	Puerto Rico	Virgin Islands
Connecticut	Louisiana	Michigan	New York	Rhode Island	Virginia
Delaware	Maine	Minnesota	North Carolina	South Carolina	Wisconsin
Florida	Maryland	Mississippi	Ohio	Texas	

1. Is the project located in a CBRS Unit?

☒ No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a CBRS Unit.*

☐ Yes → *Continue to Question 2.*

Federal assistance for most activities may not be used at this location. You must either choose an alternate site or cancel the project. In very rare cases, federal monies can be spent within CBRS units for certain exempted activities (e.g., a nature trail), after consultation with the Fish and Wildlife Service (FWS) (see [16 USC 3505](#) for exceptions to limitations on expenditures).

2. Indicate your selected course of action.

☐ After consultation with the FWS the project was given approval to continue

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map and documentation of a FWS approval.*

☐ Project was not given approval

Project cannot proceed at this location.

***HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County***

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

No Coastal Barrier Resources located in Pennsylvania.
Pennsylvania is not required to complete this form.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

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Coastal Barrier Resources Act

Ecological Service

 Search CBRA Website

[Home](#) | [CBRA Act ↓](#) | [CBRS Maps ↓](#) | [Property Determinations](#) | [Project Consultations ↓](#) | [Search Engine](#) | [Other Information ↓](#)

Official CBRS Maps

The John H. Chafee Coastal Barrier Resources System (CBRS) is a collection of specific units of land and associated aquatic habitats that serve as barriers protecting the Atlantic, Gulf, and Great Lakes coasts. The CBRS currently includes 585 System units, which comprise nearly 1.3 million acres of land and associated aquatic habitat. There are also 271 "otherwise protected areas," a category of coastal barriers already held for conservation purposes that include an additional 1.8 million acres of land and associated aquatic habitat.

Step 1: Use the [Google Earth KML file](#) or the State Locator Maps (PDF format) below to find a unit name(s).

State Locator Maps

Alabama	Georgia	Massachusetts	New Jersey	Ohio	Texas
Connecticut	Louisiana	Michigan	New York Great Lakes	Puerto Rico	Virgin Islands
Delaware	Maine	Minnesota	New York Long Island	Rhode Island	Virginia
Florida	Maryland	Mississippi	North Carolina	South Carolina	Wisconsin

Step 2: Download Official CBRS Maps (PDF format)

To download a map, click on a file name to save it, then open the file with a PDF viewer or editor.



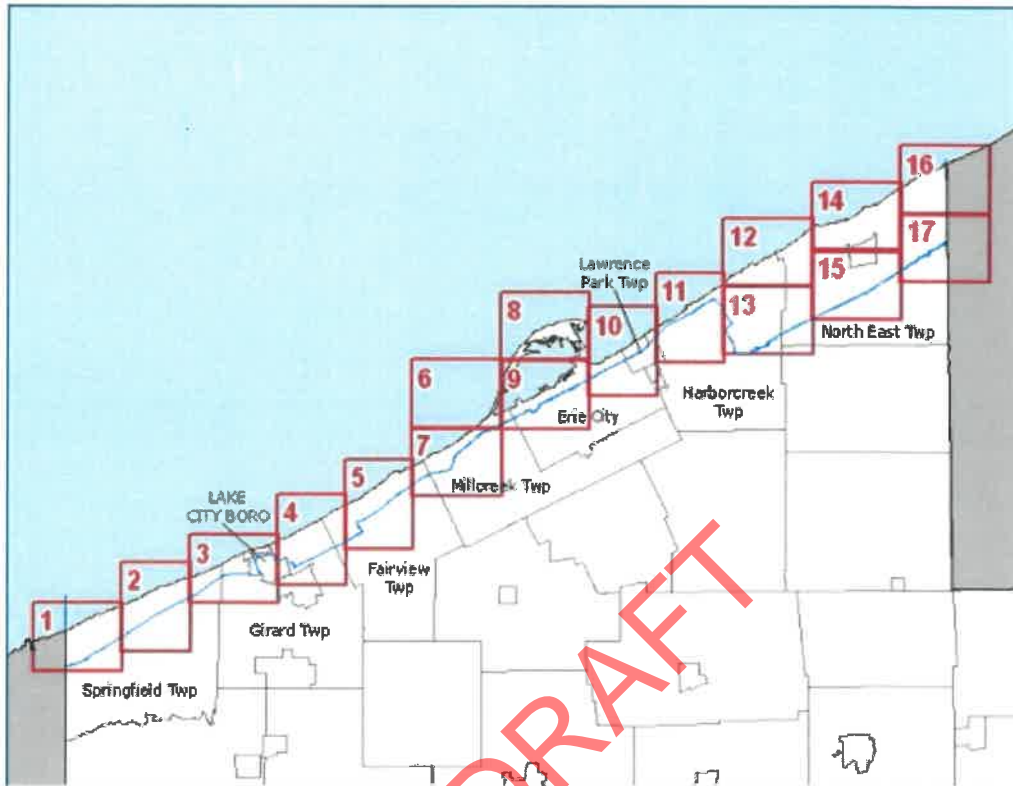
[Click here to access Official CBRS Maps](#)

Last updated: 04/04/2014 11:38:40

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[U.S. Fish and Wildlife Service Home Page](#) | [Department of the Interior](#) | [USA.gov](#) | [About the U.S. Fish and Wildlife Service](#) | [Accessibility](#) | [Privacy](#) | [Notices](#) | [Disclaimer](#) | [FOIA](#)
[DOI Inspector General](#)



Lake Erie Coastal Zone Topographic Boundary Maps (306 area)



[Access Lake Erie Coastal Zone Topographic Map Series \(pdf\) \(15MB\)](#)

Numbers on the map and below correspond to PDF page numbers.

Page 1
Springfield Township

Page 6
Millcreek Township
Presque Isle

Page 10
Erie City
Lawrence Park Township
Harborcreek Township

Page 14
North East Township

Page 2
Springfield Township

Page 7
Fairview Township
Millcreek Township

Page 11
Harborcreek Township

Page 15
North East Township

Page 3
Springfield Township
Girard Township
Lake City Borough

Page 8
Presque Isle

Page 12
Harborcreek Township
North East Township

Page 16
North East Township

Page 4
Girard Township
Fairview Township

Page 9
Millcreek Township
Erie City
Presque Isle

Page 13
Harborcreek Township
North East Township

Page 17
North East Township

Page 5
Fairview Township

Nether Providence Township
Ridley Township
Upland Borough

Hulmeville Borough
Langhorne Manor Borough
Middletown Township
Pennel Borough

Page 4

Eddystone Borough
Norwood Borough
Prospect Park Borough
Ridley Township
Ridley Park Borough
Tinicum Township

Page 11

Philadelphia City

Page 18

Bristol Borough
Bristol Township
Middletown Township

Page 24

Falls Township
Morrisville Borough

Page 5

Darby Township
Folcroft Borough
Philadelphia City
Sharon Hill Borough
Tinicum Township

Page 12

Philadelphia City

Page 19

Bristol Township
Falls Township
Tullytown Borough

Page 25

Falls Township
Morrisville Borough

Page 6

Philadelphia City
Tinicum Township

Page 13

Bensalem Township
Philadelphia City

Page 20

Falls Township

Page 26

Morrisville Borough

Page 7

Philadelphia City

Page 14

Bensalem Township
Bristol Township

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Coastal Zone Management Act (CEST and EA)

General requirements	Legislation	Regulation
Federal assistance to applicant agencies for activities affecting any coastal use or resource is granted only when such activities are consistent with federally approved State Coastal Zone Management Act Plans.	Coastal Zone Management Act (16 USC 1451-1464), particularly section 307(c) and (d) (16 USC 1456(c) and (d))	15 CFR Part 930
References		
https://www.onecpd.info/environmental-review/coastal-zone-management		

Projects located in the following states must complete this form.

Alabama	Florida	Louisiana	Mississippi	Ohio	Texas
Alaska	Georgia	Maine	New Hampshire	Oregon	Virgin Islands
American Samoa	Guam	Maryland	New Jersey	Pennsylvania	Virginia
California	Hawaii	Massachusetts	New York	Puerto Rico	Washington
Connecticut	Illinois	Michigan	North Carolina	Rhode Island	Wisconsin
Delaware	Indiana	Minnesota	Northern Mariana Islands	South Carolina	

1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?

☐ Yes → Continue to Question 2.

☒ No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a Coastal Zone.

2. Does this project include activities that are subject to state review?

☐ Yes → Continue to Question 3.

☐ No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

3. Has this project been determined to be consistent with the State Coastal Management Program?

☐ Yes, with mitigation. → Continue to Question 4.

☐ Yes, without mitigation. → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

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Herndon Borough, Northumberland County**

☐ No, project must be canceled.

Project cannot proceed at this location.

- 1. Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

→ Continue to the Worksheet Summary below. Provide documentation of the consultation (including the State Coastal Management Program letter of consistency) and any other documentation used to make your determination.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Project is not located in a coastal zone area. (See project location map in Attachment 1)

Coastal Zone Map (Lake Erie): <http://www.dep.state.pa.us/river/about/docs/LECZTopos.pdf>

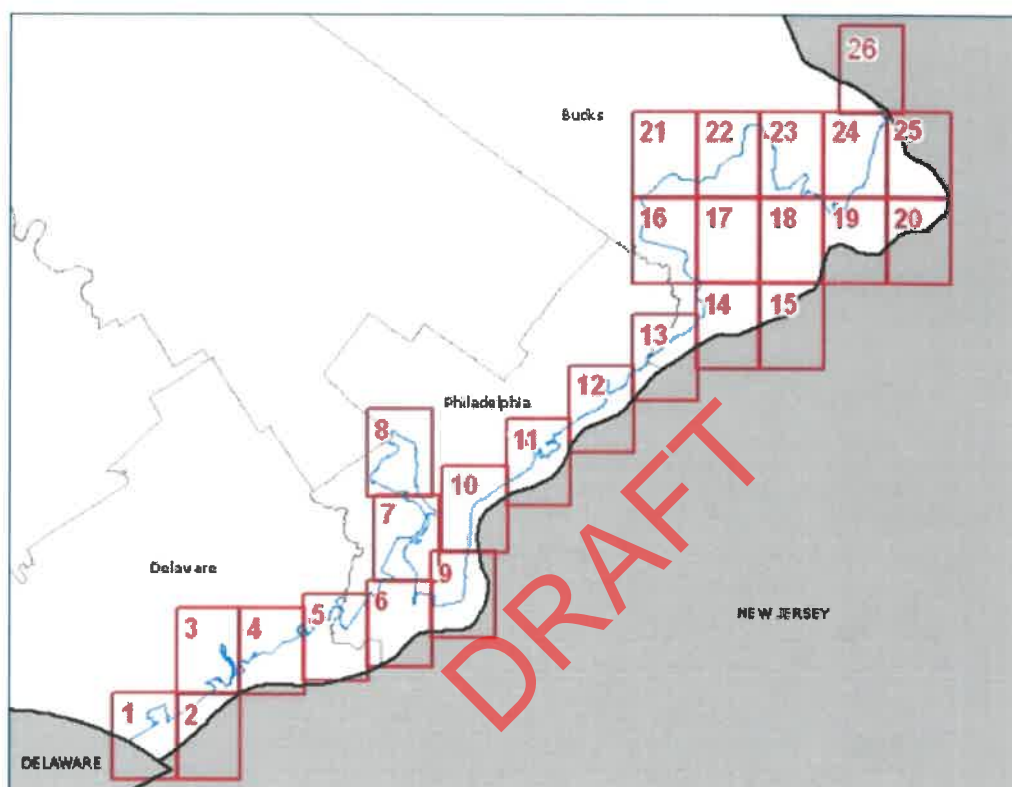
Coastal Zone Map (Delaware Estuary): <https://www.dep.state.pa.us/river/about/boundMapsDECZ.htm>

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

Delaware Estuary Coastal Zone Topographic Boundary Maps (306 area)



[Access Delaware Estuary Coastal Zone Topographic Map Series \(pdf\) \(22MB\)](#)

Numbers on the map and below correspond to PDF page numbers.

Page 1

Lower Chichester Township
Marcus Hook Borough
Trainer Borough
Upper Chichester Township

Page 8

Philadelphia City

Page 15

Bristol Borough
Bristol Township

Page 21

Lower Southampton Twp
Middletown Twp

Page 2

Chester City
Trainer Borough

Page 9

Philadelphia City

Page 16

Bensalem Township
Lower Southampton Twp
Middletown Township

Page 22

Langhorne Borough
Langhorne Manor Borough
Middletown Township

Page 3

Chester City
Eddystone Borough

Page 10

Philadelphia City

Page 17

Bensalem Township
Bristol Township

Page 23

Bristol Township
Middletown Township

Nether Providence Township
Ridley Township
Upland Borough

Page 4

Eddystone Borough
Norwood Borough
Prospect Park Borough
Ridley Township
Ridley Park Borough
Tinicum Township

Page 5

Darby Township
Folcroft Borough
Philadelphia City
Sharon Hill Borough
Tinicum Township

Page 6

Philadelphia City
Tinicum Township

Page 7

Philadelphia City

Page 11

Philadelphia City

Page 12

Philadelphia City

Page 13

Bensalem Township
Philadelphia City

Page 14

Bensalem Township
Bristol Township

Hulmeville Borough
Langhorne Manor Borough
Middletown Township
Penndel Borough

Page 18

Bristol Borough
Bristol Township
Middletown Township

Page 19

Bristol Township
Falls Township
Tullytown Borough

Page 20

Falls Township

Page 24

Falls Township
Morrisville Borough

Page 25

Falls Township
Morrisville Borough

Page 26

Morrisville Borough

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APPENDIX C

CULTURAL RESOURCES

HISTORIC PRESERVATION

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**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Historic Preservation (CEST and EA)

General requirements	Legislation	Regulation
Regulations under Section 106 of the National Historic Preservation Act (NHPA) require a consultative process to identify historic properties, assess project impacts on them, and avoid, minimize, or mitigate adverse effects	Section 106 of the National Historic Preservation Act (16 U.S.C. 470f)	36 CFR 800 "Protection of Historic Properties"
References		
https://www.hudexchange.info/environmental-review/historic-preservation		

Threshold

Is Section 106 review required for your project?

- ☐ No, because the project consists solely of activities listed as exempt in a Programmatic Agreement (PA). (See the [PA Database](#) to find applicable PAs.)

Either provide the PA itself or a link to it here. Mark the applicable exemptions or include the text here:

III. EXEMPT ACTIVITIES

Municipalities are not required to complete Section 106 reviews for undertakings that are **limited solely** to those activities listed in Attachment B as they have limited potential to alter character defining qualities of properties listed on or eligible for listing on the National Register.

(See attached "CDBG Small Communities Programmatic Agreement No Effect Activities List.")

→ Continue to the Worksheet Summary.

- ☐ No, because the project consists solely of activities included in a No Potential to Cause Effects memo or other determination [36 CFR 800.3(a)(1)].

Either provide the memo itself or a link to it here. Explain and justify the other determination here:

→ Continue to the Worksheet Summary.

- ☒ Yes, because the project includes activities with potential to cause effects (direct or indirect).

→ Continue to Step 1.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

The Section 106 Process

After determining the need to do a Section 106 review, initiate consultation with regulatory and other interested parties, identify and evaluate historic properties, assess effects of the project on properties listed on or eligible for the National Register of Historic Places, and resolve any adverse effects through project design modifications or mitigation.

Note that consultation continues through all phases of the review.

Step 1: Initiate consultation

Step 2: Identify and evaluate historic properties

Step 3: Assess effects of the project on historic properties

Step 4: Resolve any adverse effects

Step 1 - Initiate Consultation

The following parties are entitled to participate in Section 106 reviews: Advisory Council on Historic Preservation; State Historic Preservation Officers (SHPOs); federally recognized Indian tribes/Tribal Historic Preservation Officers (THPOs); Native Hawaiian Organizations (NHOs); local governments; and project grantees. The general public and individuals and organizations with a demonstrated interest in a project may participate as consulting parties at the discretion of the RE or HUD official. Participation varies with the nature and scope of a project. Refer to HUD's website for guidance on consultation, including the required timeframes for response. Consultation should begin early to enable full consideration of preservation options.

Use the [When to Consult with Tribes checklist](#) within [Notice CPD-12-006: Process for Tribal Consultation](#) to determine if you should invite tribes to consult on a particular project. Use the [Tribal Directory Assessment Tool \(TDAT\)](#) to identify tribes that may have an interest in the area where the project is located. Note that consultants may not initiate consultation with Tribes.

Select all consulting parties below (check all that apply):

- ☒ State Historic Preservation Officer (SHPO)
- ☐ Advisory Council on Historic Preservation
- ☒ Indian Tribes, including Tribal Historic Preservation Officers (THPOs) or Native
- ☐ Hawaiian Organizations (NHOs)

List all tribes that were consulted here and their status of consultation:

II. Consultation with Indian Tribes

Delaware Nation, Oklahoma
Delaware Tribe of Indians
Eastern Shawnee Tribe of Oklahoma
Onondaga Nation
Seneca-Cayuga Nation

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☒ Other Consulting Parties

List all consulting parties that were consulted here and their status of consultation:

Northumberland County Historical Society

Describe the process of selecting consulting parties and initiating consultation here:

All known parties with a demonstrated interest in the project and/or local area history. All parties were consulted via email.

Provide all correspondence, notices, and notes (including comments and objections received) and continue to Step 2.

Step 2 - Identify and Evaluate Historic Properties

Define the Area of Potential Effect (APE), either by entering the address(es) or providing a map depicting the APE. Attach an additional page if necessary.

APE identified through PA-SHARE. No historic properties identified.

Gather information about known historic properties in the APE. Historic buildings, districts and archeological sites may have been identified in local, state, and national surveys and registers, local historic districts, municipal plans, town and county histories, and local history websites. If not already listed on the National Register of Historic Places, identified properties are then evaluated to see if they are eligible for the National Register.

Refer to HUD's website for guidance on identifying and evaluating historic properties.

In the space below, list historic properties identified and evaluated in the APE.

Every historic property that may be affected by the project should be listed. For each historic property or district, include the National Register status, whether the SHPO has concurred with the finding, and whether information on the site is sensitive. Attach an additional page if necessary.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Provide the documentation (survey forms, Register nominations, concurrence(s) and/or objection(s), notes, and photos) that justify your National Register Status determination.

Was a survey of historic buildings and/or archeological sites done as part of the project?

If the APE contains previously unsurveyed buildings or structures over 50 years old, or there is a likely presence of previously unsurveyed archeological sites, a survey may be necessary. For Archeological surveys, refer to HP Fact Sheet #6, [Guidance on Archeological Investigations in HUD Projects](#).

- ☐ Yes → Provide survey(s) and report(s) and continue to Step 3.

Additional notes:

- ☒ No → Continue to Step 3.

Step 3 - Assess Effects of the Project on Historic Properties

Only properties that are listed on or eligible for the National Register of Historic Places receive further consideration under Section 106. Assess the effect(s) of the project by applying the Criteria of Adverse Effect. ([36 CFR 800.5](#)) Consider direct and indirect effects as applicable as per HUD guidance.

Choose one of the findings below - No Historic Properties Affected, No Adverse Effect, or Adverse Effect; and seek concurrence from consulting parties.

- ☒ No Historic Properties Affected

Document reason for finding:

- ☒ No historic properties present. → Provide concurrence(s) or objection(s) and continue to the Worksheet Summary.

- ☐ Historic properties present, but project will have no effect upon them. → Provide concurrence(s) or objection(s) and continue to the Worksheet Summary.

If consulting parties concur or fail to respond to user's request for concurrence, project is in compliance with this section. No further review is required. If consulting parties object, refer to ([36 CFR 800.4\(d\)\(1\)](#)) and consult further to try to resolve objection(s).

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

☐ No Adverse Effect

Document reason for finding:

Does the No Adverse Effect finding contain conditions?

☐ Yes

Check all that apply: (check all that apply)

☐ Avoidance

☐ Modification of project

☐ Other

Describe conditions here:

→ Monitor satisfactory implementation of conditions. Provide concurrence(s) or objection(s) and continue to the Worksheet Summary.

☐ No → Provide concurrence(s) or objection(s) and continue to the Worksheet Summary.

If consulting parties concur or fail to respond to user's request for concurrence, project is in compliance with this section. No further review is required. If consulting parties object, refer to ([36 CFR 800.5\(c\)\(2\)](#)) and consult further to try to resolve objection(s).

☐ Adverse Effect

Document reason for finding:

Copy and paste applicable Criteria into text box with summary and justification. Criteria of Adverse Effect: [36 CFR 800.5](#)]

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Notify the Advisory Council on Historic Preservation of the Adverse Effect and provide the documentation outlined in [36 CFR 800.11\(e\)](#). The Council has 15 days to decide whether to enter the consultation (Not required for projects covered by a Programmatic Agreement).

→ Continue to Step 4.

Step 4 - Resolve Adverse Effects

Work with consulting parties to try to avoid, minimize or mitigate adverse effects. Refer to HUD guidance and [36 CFR 800.6 and 800.7](#).

Were the Adverse Effects resolved?

☐ Yes

Describe the resolution of Adverse Effects, including consultation efforts and participation by the Advisory Council on Historic Preservation:

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For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ Provide signed Memorandum of Agreement (MOA) or Standard Mitigation Measures Agreement (SMMA). Continue to the Worksheet Summary.

☐ No

The project must be cancelled unless the "Head of Agency" approves it. Either provide approval from the "Head of Agency" or cancel the project at this location.

Describe the failure to resolve Adverse Effects, including consultation efforts and participation by the Advisory Council on Historic Preservation and "Head of the Agency":

Historic Preservation (CEST and EA)

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Explain in detail the exact conditions or measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ Provide correspondence, comments, documentation of decision, and "Head of Agency" approval. Continue to the Worksheet Summary.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Consultation 6/1/2023 with:

- U.S. Army Corps of Engineers
- Northumberland County Historical Society
- State Historic Preservation Office
- Northumberland County Conservation
- Environmental Protection Agency
- PennDOT
- Herndon Borough
- Northumberland County Planning
- Pennsylvania Department of Community and Economic Development

No additional requirements identified from consultations.

Are formal compliance steps or mitigation required?

- ☐ Yes
☒ No

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Appendix A

When To Consult With Tribes Under Section 106

Section 106 requires consultation with federally-recognized Indian tribes when a project may affect a historic property of religious and cultural significance to the tribe. Historic properties of religious and cultural significance include: archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places, traditional cultural landscapes, plant and animal communities, and buildings and structures with significant tribal association. The types of activities that may affect historic properties of religious and cultural significance include: ground disturbance (digging), new construction in undeveloped natural areas, introduction of incongruent visual, audible, or atmospheric changes, work on a building with significant tribal association, and transfer, lease or sale of properties of the types listed above.

If a project includes any of the types of activities below, invite tribes to consult:

X significant ground disturbance (digging)

Examples: new sewer lines, utility lines (above and below ground), foundations, footings, grading, access roads

new construction in undeveloped natural areas

Examples: industrial-scale energy facilities, transmission lines, pipelines, or new recreational facilities, in undeveloped natural areas like mountaintops, canyons, islands, forests, native grasslands, etc., and housing, commercial, and industrial facilities in such areas

incongruent visual changes

Examples: construction of a focal point that is out of character with the surrounding natural area, impairment of the vista or viewshed from an observation point in the natural landscape, or impairment of the recognized historic scenic qualities of an area

incongruent audible changes

Examples: increase in noise levels above an acceptable standard in areas known for their quiet, contemplative experience

incongruent atmospheric changes

Examples: introduction of lights that create skyglow in an area with a dark night sky

work on a building with significant tribal association

Examples: rehabilitation, demolition or removal of a surviving ancient tribal structure or village, or a building or structure that there is reason to believe was the location of a significant tribal event, home of an important person, or that served as a tribal school or community hall

transfer, lease or sale of a historic property of religious and cultural significance

Example: transfer, lease or sale of properties that contain archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, plant and animal communities, or buildings and structures with significant tribal association

None of the above apply

**HBJTJMA Rt 147 Waterline Replacement Herndon
Project**

Reviewed By

**7/24/2023
Date**

APPENDIX D

ENDANGERED SPECIES

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Endangered Species Act (CEST and EA)

General requirements	ESA Legislation	Regulations
Section 7 of the Endangered Species Act (ESA) mandates that federal agencies ensure that actions that they authorize, fund, or carry out shall not jeopardize the continued existence of federally listed plants and animals or result in the adverse modification or destruction of designated critical habitat. Where their actions may affect resources protected by the ESA, agencies must consult with the Fish and Wildlife Service and/or the National Marine Fisheries Service ("FWS" and "NMFS" or "the Services").	The Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.); particularly section 7 (16 USC 1536).	50 CFR Part 402
References		
https://www.hudexchange.info/environmental-review/endangered-species		

1. Does the project involve any activities that have the potential to affect species or habitats?

☐ No, the project will have No Effect due to the nature of the activities involved in the project.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

☐ No, the project will have No Effect based on a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office.

Explain your determination:

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

☒ Yes, the activities involved in the project have the potential to affect species and/or habitats.

→ Continue to Question 2.

2. Are federally listed species or designated critical habitats present in the action area?

Obtain a list of protected species from the Services. This information is available on the [FWS Website](#) or you may contact your [local FWS](#) and/or [NMFS](#) offices directly.

☒ No, the project will have No Effect due to the absence of federally listed species and designated critical habitat.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation may include letters from the Services, species lists from the Services' websites, surveys or other documents and analysis showing that there are no species in the action area.

☐ Yes, there are federally listed species or designated critical habitats present in the action area.

→ Continue to Question 3.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

3. What effects, if any, will your project have on federally listed species or designated critical habitat?

- ☐ No Effect: Based on the specifics of both the project and any federally listed species in the action area, you have determined that the project will have absolutely no effect on listed species or critical habitat.

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation should include a species list and explanation of your conclusion, and may require maps, photographs, and surveys as appropriate.*

- ☐ May Affect, Not Likely to Adversely Affect: Any effects that the project may have on federally listed species or critical habitats would be beneficial, discountable, or insignificant.

→ *Continue to Question 4, Informal Consultation.*

- ☐ Likely to Adversely Affect: The project may have negative effects on one or more listed species or critical habitat.

→ *Continue to Question 5, Formal Consultation.*

4. Informal Consultation is required

Section 7 of ESA (16 USC 1536) mandates consultation to resolve potential impacts to endangered and threatened species and critical habitats. If a HUD-assisted project may affect any federally listed endangered or threatened species or critical habitat, then compliance is required with Section 7. See 50 CFR Part 402 Subpart B Consultation Procedures.

Did the Service(s) concur with the finding that the project is Not Likely to Adversely Affect?

- ☐ Yes, the Service(s) concurred with the finding.

→ *Based on the response, the review is in compliance with this section. Continue to Question 6 and provide the following:*

- (1) *A biological evaluation or equivalent document*
- (2) *Concurrence(s) from FWS and/or NMFS*
- (3) *Any other documentation of informal consultation*

Exception: If finding was made based on procedures provided by a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office, provide whatever documentation is mandated by that agreement.

- ☐ No, the Service(s) did not concur with the finding.

→ *Continue to Question 5.*

5. Formal consultation is required

Section 7 of ESA (16 USC 1536) mandates consultation to resolve potential impacts to federally listed endangered and threatened species and critical habitats. If a HUD assisted project may affect any endangered or threatened species or critical habitat, then compliance is required with Section 7. See 50 CFR Part 402 Subpart B Consultation Procedures.

→ *Once consultation is complete, the review is in compliance with this section. Continue to Question 6 and provide the following:*

- (1) *A biological assessment, evaluation, or equivalent document*

Endangered Species Act (CEST and EA)

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

- (2) *Biological opinion(s) issued by FWS and/or NMFS*
(3) *Any other documentation of formal consultation*

6. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the proposed measures that will be implemented to mitigate for the impact or effect, including the timeline for implementation.

☐ Mitigation as follows will be implemented:

☐ No mitigation is necessary.

Explain why mitigation will not be made here:

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Consultation 6/1/2023 with:

- U.S. Army Corps of Engineers
- Northumberland County Historical Society
- State Historic Preservation Office
- Northumberland County Conservation
- Environmental Protection Agency
- Pennsylvania Game Commission
- Pennsylvania Department of Conservation and Natural Resources
- Pennsylvania Fish and Boat Commission
- U.S. Fish and Wildlife Service
- PennDOT
- Herndon Borough
- Northumberland County Planning
- Pennsylvania Department of Community and Economic Development

No additional requirements identified from consultations.

Are formal compliance steps or mitigation required?

- ☐ Yes
☒ No

1. PROJECT INFORMATION

Project Name: **HBJTJMA Rt. 147 Waterline Replacement, Herndon, PA**

Date of Review: **5/17/2023 08:44:02 AM**

Project Category: **Development, Additions/maintenance to existing development facilities**

Project Area: **56.07 acres**

County(s): **Northumberland**

Township/Municipality(s): **HERNDON; JACKSON TOWNSHIP**

ZIP Code:

Quadrangle Name(s): **PILLOW**

Watersheds HUC 8: **Lower Susquehanna-Penns**

Watersheds HUC 12: **Fidlers Run-Susquehanna River; Lower Mahanoy Creek-Susquehanna River**

Decimal Degrees: **40.715929, -76.839423**

Degrees Minutes Seconds: **40° 42' 57.3456" N, 76° 50' 21.9215" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

HBJTJMA Rt. 147 Waterline Replacement, Herndon, PA

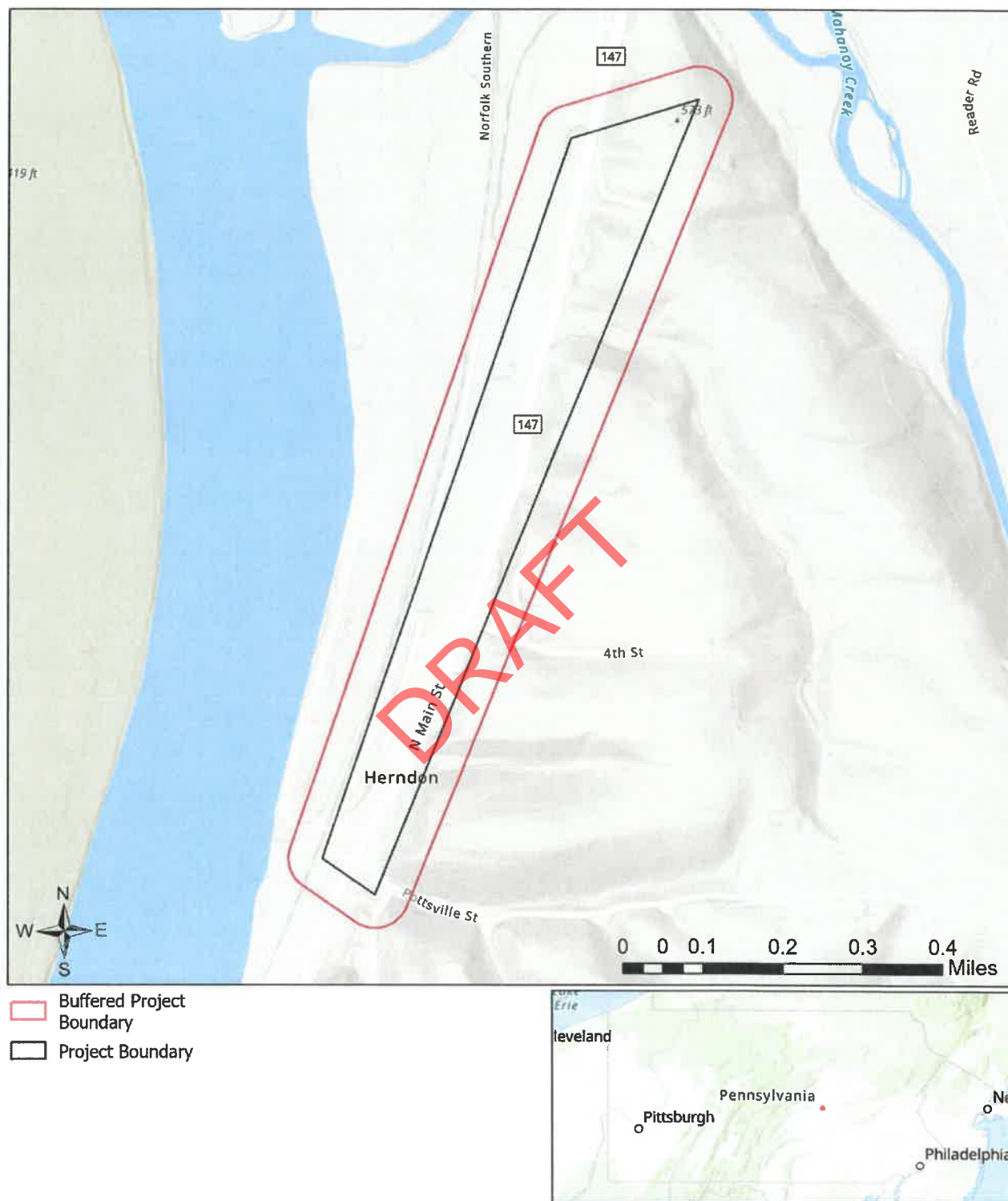


- Buffered Project Boundary
- Project Boundary



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

HBJTJMA Rt. 147 Waterline Replacement, Herndon, PA



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:

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

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:

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

U.S. Fish and Wildlife Service

RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

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). 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

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: 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
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
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: Nadine Simpson
Company/Business Name: SEDA-Council of Governments
Address: 201 Furnace Road
City, State, Zip: Lewistown, Pa 17837
Phone: (570) 524-4491 Fax: (570) 524-9190
Email: nsimpson@seda-cog.org

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.

Nadine Simpson

applicant/project proponent signature

5/25/2023

date

APPENDIX E

WILD AND SCENIC RIVERS

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Wild and Scenic Rivers (CEST and EA)

General requirements	Legislation	Regulation
The Wild and Scenic Rivers Act provides federal protection for certain free-flowing, wild, scenic and recreational rivers designated as components or potential components of the National Wild and Scenic Rivers System (NWSRS) from the effects of construction or development.	The Wild and Scenic Rivers Act (16 U.S.C. 1271-1287), particularly section 7(b) and (c) (16 U.S.C. 1278(b) and (c))	36 CFR Part 297
References		
https://www.hudexchange.info/environmental-review/wild-and-scenic-rivers		

1. Is your project within proximity of a NWSRS river as defined below?

Wild & Scenic Rivers: These rivers or river segments have been designated by Congress or by states (with the concurrence of the Secretary of the Interior) as wild, scenic, or recreational.

Study Rivers: These rivers or river segments are being studied as a potential component of the Wild & Scenic River system.

Nationwide Rivers Inventory (NRI): The National Park Service has compiled and maintains the NRI, a register of river segments that potentially qualify as national wild, scenic, or recreational river areas

☒ No

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map identifying the project site and its surrounding area or a list of rivers in your region in the Screen Summary at the conclusion of this screen.

☐ Yes, the project is in proximity of a Nationwide Rivers Inventory (NRI) River.

→ Continue to Question 2.

2. Could the project do any of the following?

- Have a direct and adverse effect within Wild and Scenic River Boundaries,
- Invade the area or unreasonably diminish the river outside Wild and Scenic River Boundaries, or
- Have an adverse effect on the natural, cultural, and/or recreational values of a NRI segment.

Consultation with the appropriate federal/state/local/tribal Managing Agency(s) is required, pursuant to Section 7 of the Act, to determine if the proposed project may have an adverse effect on a Wild & Scenic River or a Study River and, if so, to determine the appropriate avoidance or mitigation measures.

Wild and Scenic Rivers (CEST and EA)

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Note: Concurrence may be assumed if the Managing Agency does not respond within 30 days; however, you are still obligated to avoid or mitigate adverse effects on the rivers identified in the NWSRS

- ☐ No, the Managing Agency has concurred that the proposed project will not alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

- ☐ Yes, the Managing Agency was consulted and the proposed project may alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.

→ *Continue to Question 3.*

3. **For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the proposed measures that must be implemented to mitigate**

for the impact or effect, including the timeline for implementation.

→ *Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Map located at <http://www.dcnr.state.pa.us/brc/conservation/rivers/scenicrivers/index.htm>

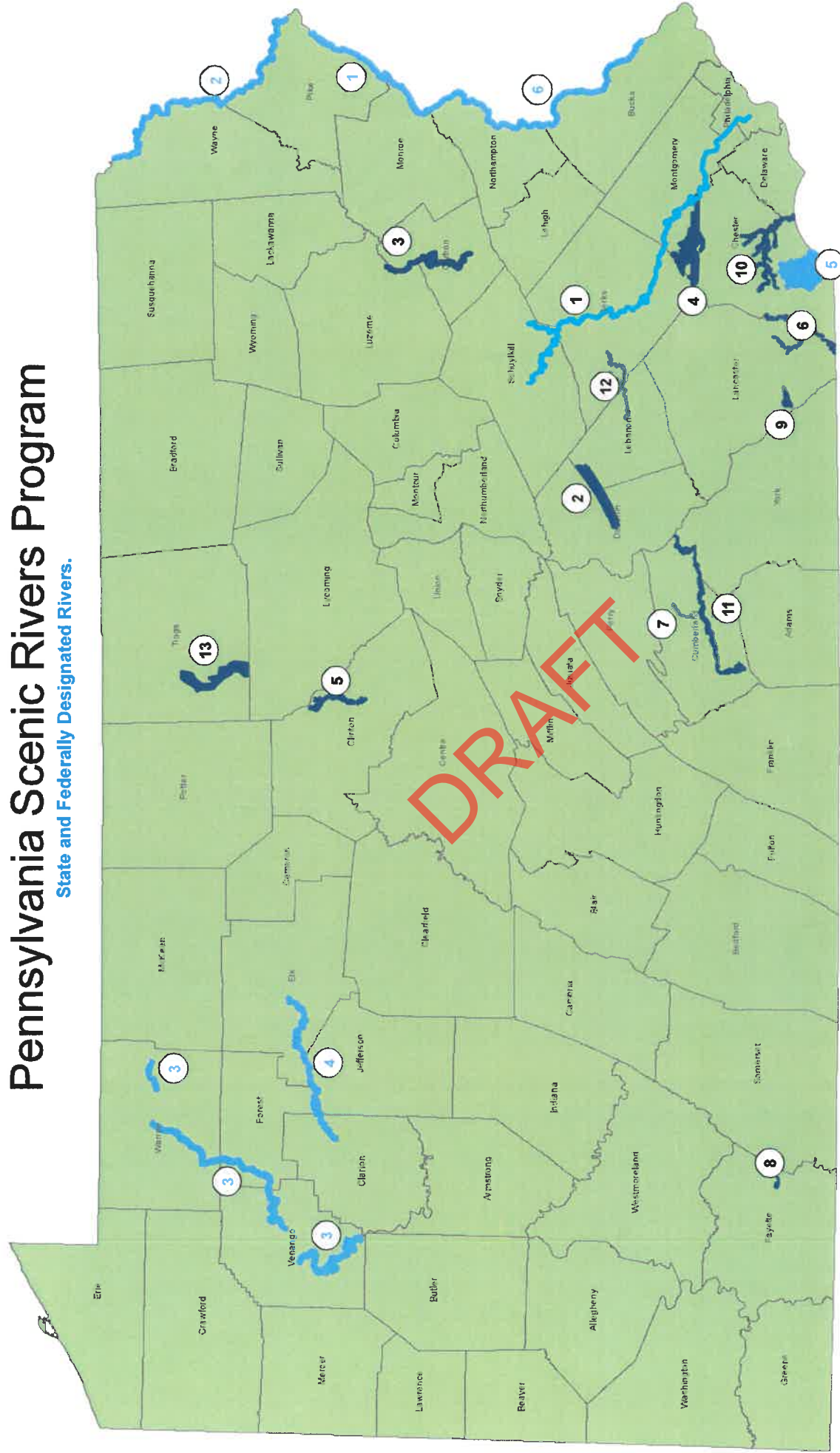
Map located at <http://www.rivers.gov/pennsylvania.php>

Are formal compliance steps or mitigation required?

- ☐ Yes
☒ No

Pennsylvania Scenic Rivers Program

State and Federally Designated Rivers.



LEGEND

Scenic Rivers

Type

Federal Scenic River

Pennsylvania Scenic River

Counties

Pennsylvania Scenic Rivers			Federal Scenic Rivers		
Name	Date Designated		Name	Date Designated	
1 Schuylkill River	November 26, 1978		1 Middle Delaware River	September 1, 1965	
2 Stony Creek	March 24, 1980		2 Upper Delaware River	November 10, 1978	
3 Lehigh River	April 5, 1982		3 Allegheny River	April 20, 1992	
4 French Creek	April 29, 1982		4 Clarion River	October 19, 1996	
5 Lick Run	December 17, 1982		5 White Clay Creek	October 19, 1996	
6 Octoraro Creek	October 21, 1983		6 Lower Delaware River	November 1, 2000	
7 Le Tort Spring Run	March 30, 1988				
8 Bear Run					
9 Tucquan Creek					
10 Lower Brandywine					
11 Yellow Breeches Creek					
12 Tulpehocken Creek					
13 Pine Creek					



NATIONAL WILD AND SCENIC RIVERS SYSTEM



[HOME](#) [NATIONAL SYSTEM](#) [MANAGEMENT](#) [RESOURCES](#) [PUBLICATIONS](#) [CONTACT US](#) [KID'S SITE](#)

PENNSYLVANIA

Pennsylvania has approximately 83,280 miles of river, of which 406.3 miles are designated as wild & scenic—approximately 1/2 of 1% of the state's river miles.

Allegheny River
Clarion River
Delaware River (Lower)
Delaware River (Middle)
Delaware River (Upper)
White Clay Creek

EXPLORE DESIGNATED RIVERS



Choose a State ▼

Go

Choose a River ▼

Go

Still, white winters, subtle shades of spring green, lazy summer days, autumns lit with color, rivers in the Northeast showcase the seasons.



[NATIONWIDE RIVERS INVENTORY](#) | [KID'S SITE](#) | [CONTACT US](#) | [PRIVACY NOTICE](#) | [Q & A SEARCH ENGINE](#) | [SITE MAP](#)

Designated Rivers

About WSR Act
State Listings
Profile Pages

National System

WSR Table
Study Rivers
Stewardship
WSR Act Legislation

River Management

Council
Agencies
Management Plans
GIS Mapping

Resources

Q & A Search
Bibliography
Publications
GIS Mapping
Logo & Sign Standards
Display

Conservation and Outdoor Recreation

National Park Service
U.S. Department of the Interior



Pennsylvania Segments

Chuck Barscz
National Park Service
Rivers, Trails & Conservation Assistance
200 Chestnut Street, Rm. 260
Philadelphia, PA 19106
(215) 597-6482
charles_barscz@nps.gov



River	County	Reach	Length (miles)	Year Listed/Updated	Potential Classification	ORVs	Description
Beech Creek	Centre	Orviston to headwaters	17	1982		R, G	Geologic-(Segment flows through a narrow natural canyon which includes gorges and sheer mountain walls.) Recreation-(Segment includes, on a seasonal basis, a diversity of gradients including class 3-4 rapids.)
Black Moshannon Creek	Centre	Moshannon Creek to Black Moshannon Dam	22	1982		R	Recreation-(Segment includes a diversity of gradients including Class 3-5 rapids.)
Brandywine Creek	New Castle, Chester, Delaware	Rockland to Chadds Ford Junction	6	1982		R, H, C	Historic-(Segment includes a National Historic Register district in Rockland.) Recreation-(Unique proximity to urban populations in Wilmington, Newark, and Philadelphia.) Cultural-(Stream valley has national significance as home of artists in the Wyeth family.)
Casselman River	Somerset	Youghiogheny River to Casselman	14	1982		O	Wild-(Corridor is virtually undeveloped and remote.)

River	County	Reach	Length (miles)	Year Listed/Updated	Potential Classification	ORVs	Description
Clarion River	Clarion, Forest, Jefferson, Elk	Clarion to Ridgeway	53	1982		R	Recreation-(Corridor includes, or is adjacent to, a high diversity of public recreation areas, access sites and natural resource attractions.)
Clarion River	Clarion	Confluence with Allegheny River to Piney Dam Power Station	25	1982		S	Scenic-(Segment includes a unique diversity of views and spatial experiences due to landforms, vegetation, stream channel variation and flow gradients.)
Conewago Creek	Adams	Beaverdam Creek to headwaters	19	1982		G	Geologic-(Segment flows through the unique 680' "Narrows" water gap.)
Conneaut Creek	Ashtabula, Erie	SW limits of Conneaut (City) to Pennside, PA	50	1982		H, O	Botanic-(Rich flora including instances of unique types in Ohio.) Historic-(A prehistoric earthwork fortification at the Conneaut Works which is a National Historic Register Site.)
Conococheague Creek	Franklin	Maryland state border to Williamson	13	1982		C	Cultural-(Segment includes an exceptional density of stone arch bridges.)
Devils Race Course - Rattling Run	Dauphin	Confluence with Stony Creek to the headwaters	3	1982		O	See Stony Creek comments.
Double Run	Sullivan	Confluence with Loyalsock Creek to headwaters	3	1982		S, R, G, H	See Loyalsock Creek comments.
Dry Run	Sullivan	Confluence with Loyalsock Creek to headwaters	4	1982		S, R, G, H	See Loyalsock Creek comments.
French Creek	Crawford, Erie	Erie-Lackawanna R.R. outside of Cambridge Springs to the Union City Dam	22	1982		O	Botanic-(Area includes the Muddy Creek Swamp which possesses an unusually diverse and complete range of succession types including virgin climax forest stand.)
French Creek	Berks, Chester	Hares Hill Road to the headwaters within Hopewell Village	18	1982		G, H, O	Hydrologic-(Segment is the northernmost, least developed, free-flowing river within the Piedmont Province.) Historic-(River related National Historic Register sites and a Historic District within the corridor.) Geologic-(Area includes the unique Falls of French Creek, a series of diabase boulders.)
Hell Run	Lawrence	Confluence with Slippery Rock Creek to Houk Rd. Bridge	2	1982		G, O	See Slippery Rock Creek (segment form Wurtenburg to south of McConnell's Mill) comments.

River	County	Reach	Length (miles)	Year Listed/Updated	Potential Classification	ORVs	Description
Indian Creek	Fayette, Westmoreland	Youghiogheny River to headwaters	21	1982		R	Recreation-(Segment includes a diversity of gradients including Class 3-5 rapids.)
Kettle Creek	Sullivan	Confluence with Loyalsock Creek to headwaters	8	1982		S, R, G, H	See Loyalsock Creek comments.
Kinzua Creek	McKean	Allegheny Reservoir to headwaters	18	1982		H	Historic-(Segment includes the Kinzua Viaduct, a National Historic Register Site, which is the second highest bridge of this type on the North American continent.)
Laurel Hill Creek	Somerset	Ursina to Allen Creek	15	1982		S	Scenic-(Segment includes a significant and diverse juxtaposition and combination of land, land uses, water and vegetative elements.)
Lehigh River	Carbon	Jim Thorpe to Lehigh Tannery	23	1982		R, G	Recreation-(One of the most highly used whitewater runs in the mid-Atlantic region of the northeast United States. Segment includes a diversity of gradients including Class 3-5 rapids.) Geologic-(Segment includes the Lehigh River Gorge with side walls of approximately 500 feet in height. Within the corridor is Glen Onoko a steep walled canyon of uncut timber and spectacular waterfalls.)
Little Juniata Creek	Blair, Huntingdon	Two miles south of Barree to south of Ironville	10	1982		G	Geologic-(Segment passes through Tussey Mountain where the river winds within 2 miles trench with cliff-like valley walls up to 700' in height.)
Loyalsock Creek	Lycoming, Sullivan	Tiadahton State Forest to Lopez	36	1982		S, R, G, H	Geologic-(Segment includes a diversity of significant features including the 500' deep canyon gorge, the haystack outcrops, a labyrinth area and numerous waterfalls.) Scenic-(The canyon vista area affords a diversity of views of the 500' deep canyon gorge.) Historic-(Corridor includes the Hills Grove Covered Bridge, a National Historic Register Site.) Recreation-(Portion of segment is the location for the National Whitewater championships.)
Moshannon Creek	Clearfield, Centre	W. Br. Susquehanna River to Winburne	26	1982		R	Recreation-(Segment possesses a unique combination of access sites, gradients, campsites and natural areas.)
Muddy Creek	Crawford	Confluence with French Creek to the bridge crossing near Eaton Corners	7	1982		O	See French Creek (segment from Erie-Lackawanna R.R. outside of Cambridge Springs to the Union City Dam) comments.

River	County	Reach	Length (miles)	Year Listed/Updated	Potential Classification	ORVs	Description
Octoraro Creek	Lancaster, Chester	Octoraro Lake to one mile south of Christina	11	1982		G	Geologic-(River flows through a unique valley with cliff-like walls over 250' high.)
Octoraro Creek	Cecil, Lancaster	Camp Horseshoe to Pine Grove	9	1982		O	Botanic-(Corridor includes the highest quality extensive stand of hemlock documented in the Piedmont region. Also adjacent to the river is a red oak community with a regionally unique combination of canopy trees and ferns.)
Penns Creek	Centre, Mifflin, Union	Upstream from Glen Iron to Springs Mill	19	1982		S, G	Geologic-(Segment flows through a lengthy series of water gaps.) Scenic-(Within the segment is the nationally recognized Poe Paddy Drive, which affords a unique diversity of views due to variations in land forms and river channel.)
Slippery Rock Creek	Lawrence	Wurtenburg to south of McConnells Mill	5	1982		G, O	Botanic-(Segment includes the McConnell's Mill State Park, a National Natural Landmark.) Geologic-(Segment is unique in that its geologic history represents a deviation from the normal stream erosional evolution. McConnell's Mill gorge, in decided contrast to most river corridors in the region, represents inverse mountainous scenery.)
Slippery Rock Creek	Lawrence	South of Route 422 to east of Elliots Mills	8	1982		G	Geologic-(Segment is a portion of a unique example of a deviation from normal stream erosional evolution.)
Stony Creek	Dauphin	Stony Creek Reservoir to the headwaters near the Appalachian Trail	18	1982		G, O	Wild-(A major portion of the segment corridor and surrounding watersheds are virtually undeveloped and remote.) Geologic-(Segment includes an undisturbed relic of a former periglacial climate.)

River	County	Reach	Length (miles)	Year Listed/Updated	Potential Classification	ORVs	Description
Susquehanna River	Bradford, Wyoming	Laceyville to south of Rt. 187	28	1982		S, H, O	<p>Historic-(Segment includes the Iroquois "Prayer Rocks"; over this trail traveled the Six Nations war parties against southern Indians; a portion was the site of the colony for refugees from the French Revolution settled in 1793.)</p> <p>Scenic-(A unique, undeveloped view of a large meander.)</p> <p>Hydrologic-(One of the largest (in CFS) free-flowing, relatively undeveloped high order rivers in the northeast.)</p>
Susquehanna River	Wyoming	Tunkhannock to one mile south of Carney Flat	8	1982		G, O	<p>Geologic-(Segment includes a sectionally unique undeveloped meander isolating a piece of land over 2 miles long and a mile wide.)</p> <p>Hydrologic-(One of the largest (in CFS) free-flowing, relatively undeveloped high order rivers in the northeast.)</p>
Susquehanna River	Bradford	North of Towanda to Paines Island	12	1982		O	Hydrologic-(One of the largest (in CFS) free-flowing, relatively undeveloped high order rivers in the northeast.)
Susquehanna River, West Branch	Clearfield, Centre	West of Renova to Karthus	20	1982		S, G	<p>Geologic-("Canyon" reach between Keating and Karthus is the largest gentle water canyon in the northeast.)</p> <p>Scenic-(A wide variety and diversity of unique views and spatial experiences related to the steep and mountainous topography, vegetation cover and diversity of the channel pattern.)</p>
Susquehanna River, West Branch	Lycoming	Muncy to the Montoursville corporate boundary	5	1982		O	Hydrologic-(An excellent example of a relatively undeveloped, high order river.)
Susquehanna River, West Branch	Clearfield, Centre	Karthus to downstream of Walton	19	1982		O	Hydrologic-(An excellent and rare example of a relatively undeveloped river which flows through open low mountains.)
Susquehanna River, West Branch	Clearfield	Dowler Junction to north of Stiffertown	8	1982		O	Hydrologic-(An excellent and rare example of a relatively undeveloped river which flows through open low mountains.)
Susquehanna River, West Branch	Clinton	Queens Run to Young Woman's Creek	18	1982		O	Hydrologic-(An excellent and rare example of a relatively undeveloped high order river which flows through open low mountains.)

APPENDIX F

SOLE SOURCE AQUIFERS

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Sole Source Aquifers (CEST and EA)

General requirements	Legislation	Regulation
The Safe Drinking Water Act of 1974 protects drinking water systems which are the sole or principal drinking water source for an area and which, if contaminated, would create a significant hazard to public health.	Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300f et seq., and 21 U.S.C. 349)	40 CFR Part 149
Reference		
https://www.hudexchange.info/environmental-review/sole-source-aquifers		

1. Is the project located on a sole source aquifer (SSA)¹?

☒ No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map of your project (or jurisdiction, if appropriate) in relation to the nearest SSA and its source area.*

☐ Yes → *Continue to Question 2.*

2. Does your project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)?

☐ Yes → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.*

☐ No → *Continue to Question 3.*

3. Does your region have a memorandum of understanding (MOU) or other working agreement with EPA for HUD projects impacting a sole source aquifer?

Contact your Field or Regional Environmental Officer or visit the HUD webpage at the link above to determine if an MOU or agreement exists in your area.

☐ Yes → *Provide the MOU or agreement as part of your supporting documentation. Continue to Question 4.*

☐ No → *Continue to Question 5.*

4. Does your MOU or working agreement exclude your project from further review?

☐ Yes → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination and document where your project fits within the MOU or agreement.*

☐ No → *Continue to Question 5.*

¹ A sole source aquifer is defined as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. This includes streamflow source areas, which are upstream areas of losing streams that flow into the recharge area.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

5. Will the proposed project contaminate the aquifer and create a significant hazard to public health?

Consult with your Regional EPA Office. Your consultation request should include detailed information about your proposed project and its relationship to the aquifer and associated streamflow source area. EPA will also want to know about water, storm water and waste water at the proposed project. Follow your MOU or working agreement or contact your Regional EPA office for specific information you may need to provide. EPA may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

☐ No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide your correspondence with the EPA and all documents used to make your determination.*

☐ Yes → *Work with EPA to develop mitigation measures. If mitigation measures are approved, attach correspondence with EPA and include the mitigation measures in your environmental review documents and project contracts. If EPA determines that the project continues to pose a significant risk to the aquifer, federal financial assistance must be denied. Continue to Question 6.*

6. In order to continue with the project, any threat must be mitigated, and all mitigation must be approved by the EPA. Explain in detail the proposed measures that can be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ *Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.*

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Region 3 Water Protection Division Sole Source Aquifer Program Map located at:
<http://epa.gov.reg3wapd/presentations.ssa/>

Are formal compliance steps or mitigation required?

- ☐ Yes
☒ No

Region 3 Water Protection Division Sole Source Aquifer Program

[What is a sole source aquifer? \(and other information\)](#)

Click on the aquifer system name in the list below or on the map to access individual maps (note: pages contain frames).

- [Columbia and Yorktown-Eastover Multi-aquifer](#)
- [Maryland Piedmont Aquifer](#)
- [New Jersey Coastal Plain Aquifer](#)
- [Poolesville Area Aquifer](#)
- [Prospect Hill Aquifer](#)
- [Seven Valleys Aquifer](#)



APPENDIX G

FARMLAND PROTECTION

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Farmlands Protection (CEST and EA)

General requirements	Legislation	Regulation
The Farmland Protection Policy Act (FPPA) discourages federal activities that would convert farmland to nonagricultural purposes.	Farmland Protection Policy Act of 1981 (7 U.S.C. 4201 et seq.)	7 CFR Part 658
Reference		
https://www.hudexchange.info/environmental-review/farmlands-protection		

1. Does your project include any activities, including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a Non-agricultural use?

☐ Yes → Continue to Question 2.

☒ No

Explain how you determined that agricultural land would not be converted:

Consultation with Northumberland County Conservation District.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting your determination.

2. Does "important farmland," including prime farmland, unique farmland, or farmland of statewide or local importance regulated under the Farmland Protection Policy Act, occur on the project site?

You may use the links below to determine important farmland occurs on the project site:

- Utilize USDA Natural Resources Conservation Service's (NRCS) Web Soil Survey
<http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>
- Check with your city or county's planning department and ask them to document if the project is on land regulated by the FPPA (zoning important farmland as Non-agricultural does Not exempt it from FPPA requirements)
- Contact NRCS at the local USDA service center
<http://offices.sc.egov.usda.gov/locator/app?agency=nrcs> or your NRCS state soil scientist
http://soils.usda.gov/contact/state_offices/ for assistance

☐ No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

☐ Yes → Continue to Question 3.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

3. Consider alternatives to completing the project on important farmland and means of avoiding impacts to important farmland.

- Complete form AD-1006, "Farmland Conversion Impact Rating"
http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045394.pdf and contact the state soil scientist before sending it to the local NRCS District Conservationist.
- (NOTE: for corridor type projects, use instead form NRCS-CPA-106, "Farmland Conversion Impact Rating for Corridor Type Projects:
http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1045395.pdf.)
- Work with NRCS to minimize the impact of the project on the protected farmland.
- When you have finished with your analysis, return a copy of form AD-1006 (or form NRCS-CPA-106 if applicable) to the USDA-NRCS State Soil Scientist or his/her designee informing them of your determination.

Document your conclusion:

- ☐ Project will proceed with mitigation.

Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

- ☐ Project will proceed without mitigation.

Explain why mitigation will not be made here:

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.*

***HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County***

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Consultation 6/1/2023 with:

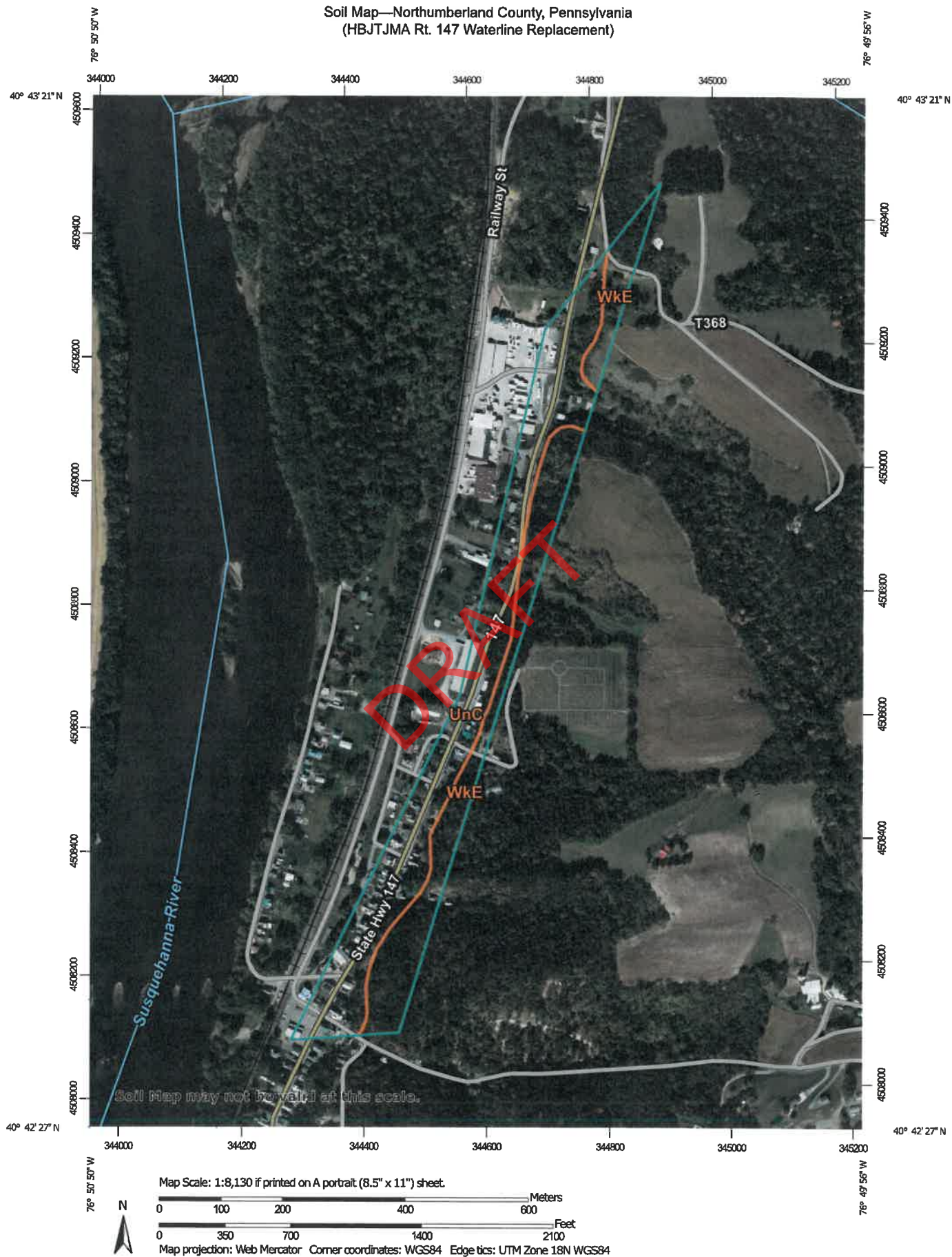
- U.S. Army Corps of Engineers
- Northumberland County Historical Society
- State Historic Preservation Office
- Northumberland County Conservation
- Environmental Protection Agency
- PennDOT
- Herndon Borough
- Northumberland County Planning
- Pennsylvania Department of Community and Economic Development

No additional requirements identified from consultations.

Are formal compliance steps or mitigation required?


- ☐ Yes
☒ No


Soil Map—Northumberland County, Pennsylvania
(HBJTJMA Rt. 147 Waterline Replacement)





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
- 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 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

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: Northumberland County, Pennsylvania
Survey Area Data: Version 16, Sep 6, 2022

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 7, 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
UnC	Unadilla silt loam, 8 to 15 percent slopes	20.8	61.5%
WkE	Weikert and Klinesville shaly silt loams, steep	13.0	38.5%
Totals for Area of Interest		33.9	100.0%

DRAFT

APPENDIX H

**TRANSPORTATION
AND
AVIATION**

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Airport Hazards (CEST and EA)

General policy	Legislation	Regulation
It is HUD's policy to apply standards to prevent incompatible development around civil airports and military airfields.		24 CFR Part 51 Subpart D
References		
https://www.hudexchange.info/environmental-review/airport-hazards		

1. To ensure compatible land use development, you must determine your site's proximity to civil and military airports. Is your project within 15,000 feet of a military airport or 2,500 feet of a civilian airport?

☒ No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within the applicable distances to a military or civilian airport.*

☐ Yes → *Continue to Question 2.*

1. Is your project located within a Runway Potential Zone/Clear Zone (RPZ/CZ) or Accident Potential Zone (APZ)?

☐ Yes, project is in an APZ → *Continue to Question 3.*

☐ Yes, project is an RPZ/CZ → *Project cannot proceed at this location.*

☐ No, project is not within an APZ or RPZ/CZ

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within either zone.*

2. Is the project in conformance with DOD guidelines for APZ?

☐ Yes, project is consistent with DOD guidelines without further action.

Explain how you determined that the project is consistent:

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

☐ No, the project cannot be brought into conformance with DOD guidelines and has not been approved. → *Project cannot proceed at this location.*

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

- ☐ Project is not consistent with DOD guidelines, but it has been approved by Certifying Officer or HUD Approving Official.

Explain approval process:

If mitigation measures have been or will be taken, explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting this determination.*

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The Environmental Justice Map measurement shows no civilian airports within 2,500 feet of the project and no military airports within 15,000 feet of the project.

Are formal compliance steps or mitigation required?

- ☐ Yes
☒ No

NPIAS Airports

- Primary
- Commercial Service
- Reliever
- General Aviation

Map labels include: Lake Erie, Erie Int'l/Ridge Fld, Corry-Lawrence, Port Meadville, Greenville Municipal, Venango Regional, Grove City Regional, New Castle Municipal, Zelenople Municipal, Beaver County, Pittsburgh Int'l, Allegheny Co, Rostraver, Washington County, Joseph A. Hardy Connellsville, Somerset County, Bedford County, Johnstown-Cambria Co-Murtha, Ebensburg, Indiana Co/Jimmy Stewart Field, Punxsutawney Municipal, Du Bois-Jefferson Co, Clearfield-Lawrence, St Marys Municipal, Bradford Rgnl, Bradford County, Wellsboro-Johnston, Williamsport Rgnl, William T. Piper Memorial, University Park, Mid-State, Mifflin County, Harrisburg Int'l, Capital City, Lancaster, Chester County/G.O. Carlson, Brandywine, Wings Field, Philadelphia Int'l, New Garden Flying Flds, Pottstown Municipal, Reading Rgnl/Spaatz Fld, Quakertown, Doylestown, Lehigh Valley Int'l, Allentown/Queen City Muni, Jake Arner Memorial, Hazleton Municipal, Pocono Mountains Municipal, Wilkes-Barre/Scranton Int'l, Wilkes-Barre/Wyoming Valley, Bloomsburg Municipal, Northumberland County, Schuylkill Co/Joe Zerbey, Penn Valley, Gettysburg Rgnl, Franklin Co Rgnl, Maryland, West Virginia, New Jersey, New York, Delaware River.

Scale: 0, 40, 80 miles. North arrow pointing up.



NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION

PLEASE TYPE OR PRINT ALL INFORMATION IN BLUE OR BLACK INK

DATE:

SPONSOR INFORMATION

NAME OF SPONSOR			SPONSOR'S REPRESENTATIVE (If different than Sponsor)		
DAYTIME PHONE NUMBER	EMAIL OR FAX NUMBER	DAYTIME PHONE NUMBER	EMAIL OR FAX NUMBER		
STREET ADDRESS/P.O. BOX			STREET ADDRESS/P.O. BOX		
CITY	STATE	ZIP CODE	CITY	STATE	ZIP CODE

NATURE OF PROPOSAL

A. NOTICE OF: <input type="checkbox"/> New Construction <input type="checkbox"/> Alteration		B. DURATION: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary (____ months, ____ days)		C. WORK SCHEDULE DATES: Beginning _____ End _____	
D. DESCRIPTION OF PROPOSAL Include sketches, diagrams and/or maps as necessary to depict the location or structures.					
<input type="checkbox"/> Antenna Tower <input type="checkbox"/> Crane <input type="checkbox"/> Building <input type="checkbox"/> Landfill <input type="checkbox"/> Wind Turbine <input type="checkbox"/> Pole <input type="checkbox"/> Antenna Extension <input type="checkbox"/> Other _____					

LOCATION OF STRUCTURE**HEIGHT & ELEVATION**
(Complete to nearest foot)

A. Coordinates: (To nearest second)		B. Nearest City or Town, and State:		C. Name of nearest airport, heliport or seaplane base:		A. ELEVATION OF SITE: (above mean sea level)		
°	'	"	D. County		Distance from C: _____ miles		B. HEIGHT OF STRUCTURE: Including all appurtenances and lighting (if any) above ground level.	
LATITUDE					Direction from structure to airport:		C. OVERALL HEIGHT: (above mean sea level (A + B))	
°	'	"						
LONGITUDE								

CERTIFICATION

I HEREBY CERTIFY that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to obstruction mark and/or light the structure in accordance with established marking and lighting standards if necessary.

DATE: T	NAME/TITLE OF PERSON FILING NOTICE (Print):	SIGNATURE:
---------	---	------------

FOR BUREAU OF AVIATION USE ONLY**THE PROPOSAL:**

- ☐ IS NOT IDENTIFIED AS AN OBSTRUCTION under any standard of FAR Part 77, Subpart C and PA Aviation Code, Act 1984-164.
- ☐ IS IDENTIFIED AS AN OBSTRUCTION under the standards of FAR Part 77, Subpart C and PA Aviation Code, Act 1984-164.
- ☐ Should be obstruction ☐ marked, ☐ lighted per FAA Advisory Circular 70/7460-1. Chapter(s) 3 & 4.
- ☐ Obstruction marking and lighting are not necessary.
- ☐ Proposal was determined to be a NON-COMPATIBLE LAND USE in accordance with Pennsylvania Airport Land Use Compatibility Guidelines.

NOTE: A Notice is required anytime the project is abandoned and when construction is completed.

SIGNATURE: _____ DATE: _____

T NOTICE OF PROPOSED DEVELOPMENT OR ALTERATION (AV-57)

REFERENCES:

- A. Department of Transportation Aviation Regulations, Chapter 471, Title 67, PA Consolidated Statutes.

Sec. 479.4. AIRPORT OBSTRUCTIONS

A person who plans to erect a new structure, to add to an existing structure, or to erect or maintain any object (natural or man-made), as defined in 14 Code of Federal Regulations Part 77.9 (as amended or replaced), shall first obtain approval from the Department by submitting a written notice (Form AV-57) to the Department at least thirty (30) days prior to commencement thereof.

- B. Federal Air Regulation, Part 77 and Part 157

§77.9 CONSTRUCTION OR ALTERATION REQUIRING NOTICE

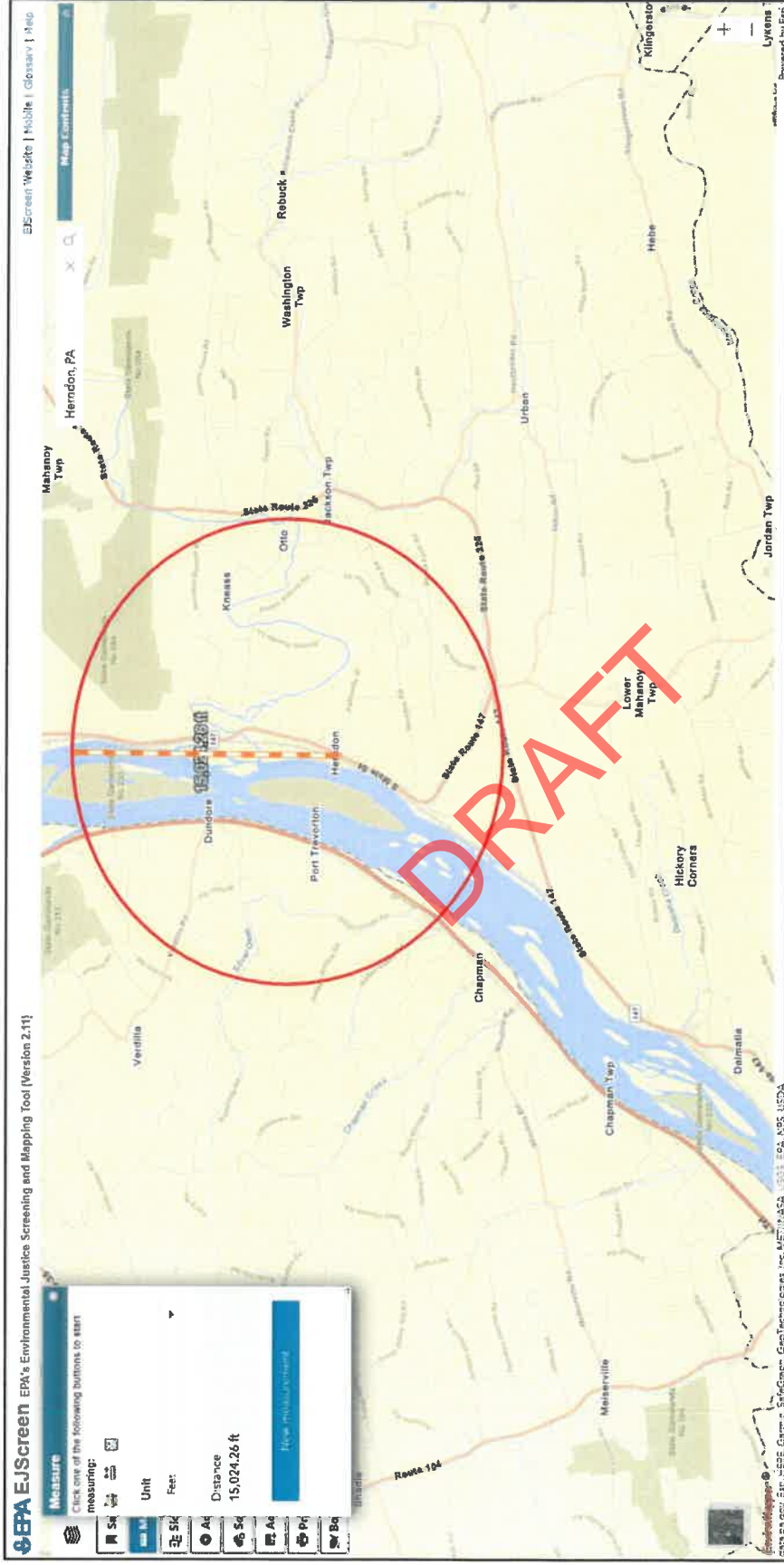
If requested by the FAA, or if you propose any of the following types of construction or alteration, you must file notice with the FAA of:

- (a) Any construction or alteration of more than 200 feet in height above the ground level at its site.
- (b) Any construction or alteration of greater height than an imaginary surface extending outward and upward at one of the following slopes:
 - (1) 100 to 1 for a horizontal distance of 20,000 feet from the nearest point of the nearest runway of each airport described in subparagraph (d) of this paragraph with at least one runway more than 3,200 feet in actual length, excluding heliports.
 - (2) 50 to 1 for a horizontal distance of 10,000 feet from the nearest point of the nearest runway of each airport described in subparagraph (d) of this paragraph with its longest runway no more than 3,200 feet in actual length, excluding heliports.
 - (3) 25 to 1 for a horizontal distance of 5,000 feet from the nearest point of the nearest landing and takeoff area of each heliport described in subparagraph (d) of this paragraph.
- (c) Any highway, railroad, or other traverse way for mobile objects, of a height which, if adjusted upward 17 feet for an interstate Highway that is part of the National System of Military and Interstate Highways where overcrossings are designed for a minimum of 17 feet vertical distance, 15 feet for any other public roadway, 10 feet or the height of the highest mobile object that would normally traverse the road, whichever is greater, for a private road, 23 feet for a railroad, and for a waterway or any other traverse way not previously mentioned, an amount equal to the height of the highest mobile object that would normally traverse it, would exceed a standard of subparagraph (a) or (b) of this paragraph.
- (d) Any construction or alteration on any of the following airports (and heliports):
 - (1) An airport that is available for public use and is listed in the Airport Directory of the current Airman's Information Manual or in either the Alaska or Pacific Airman's Guide and Chart Supplement.
 - (2) An airport under construction, that is the subject of a notice or proposal on file with the Federal Aviation Administration, and except for military airports, it is clearly indicated that that airport will be available for public use.
 - (3) An airport that is operated by an armed force of the United States.
 - (4) An airport or heliport with at least one FAA-approved instrument approach procedure.

INSTRUCTIONS:

- 1. Complete all applicable sections of the form:
 - (a) Sponsor Information (and point of contact if different than sponsor).
 - (b) Nature of Proposal: List type of notice, duration of proposal, work dates, and full description of the proposal (Include sketches, diagrams and/or maps as necessary to depict the location or structures.)
 - (c) Location of Structure: Enter exact latitude/longitudinal coordinates of the structure(s). Indicate County, nearest city or town, and proximity to nearest airport (public or private).
 - (d) Height and Elevation: Enter the base elevation of the site, the height of the structure, and the overall height projected above mean sea level - to the nearest foot.
 - (e) Certification: Owner/authorized agent must sign and date.

Please mail the completed notice to: PA Department of Transportation
Bureau of Aviation
P.O. Box 3457
Harrisburg, PA 17105



HBJTJMA Rt. 147 Waterline Replacement
Herndon, Northumberland County, PA

APPENDIX I

NOISE ABATEMENT AND CONTROL

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Noise (EA Level Reviews)

General requirements	Legislation	Regulation
HUD's noise regulations protect residential properties from excessive noise exposure. HUD encourages mitigation as appropriate.	Noise Control Act of 1972 General Services Administration Federal Management Circular 75-2: "Compatible Land Uses at Federal Airfields"	Title 24 CFR 51 Subpart B
References		
https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control		

1. What activities does your project involve? Check all that apply:

☐ New construction for residential use

NOTE: HUD assistance to new construction projects is generally prohibited if they are located in an Unacceptable zone, and HUD discourages assistance for new construction projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.
→ Continue to Question 2.

☐ Rehabilitation of an existing residential property

NOTE: For major or substantial rehabilitation in Normally Unacceptable zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. For major rehabilitation in Unacceptable zones, HUD strongly encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.
→ Continue to Question 2.

☐ A research demonstration project which does not result in new construction or reconstruction, interstate, land sales registration, or any timely emergency assistance under disaster assistance provisions or appropriations which are provided to save lives, protect property, protect public health and safety, remove debris and wreckage, or assistance that has the effect of restoring facilities substantially as they existed prior to the disaster

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

☒ None of the above

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

2. Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport).

Indicate the findings of the Preliminary Screening below:

☐ There are no noise generators found within the threshold distances above.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing the location of the project relative to any noise generators.

☐ Noise generators were found within the threshold distances.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

→ Continue to Question 3.

3. Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:

☐ Acceptable: (65 decibels or less; the ceiling may be shifted to 70 decibels in circumstances described in §24 CFR 51.105(a))

Indicate noise level here:

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis.

☐ Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in circumstances described in 24 CFR 51.105(a))

Indicate noise level here:

If project is rehabilitation:

→ Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis.

If project is new construction:

Is the project in a largely undeveloped area²?

☐ No

→ Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.

☐ Yes

→ Your project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). Elevate this review to an EIS-level review.

☐ Unacceptable: (Above 75 decibels)

Indicate noise level here:

If project is rehabilitation:

HUD strongly encourages conversion of noise-exposed sites to land uses compatible with high noise levels. Consider converting this property to a non-residential use compatible with high noise levels.

→ Continue to Question 4. Provide noise analysis, including noise level and data used to complete the analysis, and any other relevant information.

If project is new construction:

Your project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). You may either complete an EIS or provide a waiver signed by the appropriate authority. Indicate your choice:

² A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses or does not have water and sewer capacity to serve the project.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

☐ Convert to an EIS

→ Provide noise analysis, including noise level and data used to complete the analysis.

Continue to Question 4.

☐ Provide waiver

→ Provide an Environmental Impact Statement waiver from the Certifying Officer or the Assistant Secretary for Community Planning and Development per 24 CFR 51.104(b)(2) and noise analysis, including noise level and data used to complete the analysis.

Continue to Question 4.

4. HUD strongly encourages mitigation be used to eliminate adverse noise impacts. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation. This information will be automatically included in the Mitigation summary for the environmental review.

☐ Mitigation as follows will be implemented:

DRAFT

→ Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures. Continue to the Worksheet Summary.

☐ No mitigation is necessary.

Explain why mitigation will not be made here:

→ Continue to the Worksheet Summary.

***HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County***

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

DRAFT

APPENDIX J

ENVIRONMENTAL JUSTICE

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Environmental Justice (CEST and EA)

General requirements	Legislation	Regulation
Determine if the project creates adverse environmental impacts upon a low-income or minority community. If it does, engage the community in meaningful participation about mitigating the impacts or move the project.	Executive Order 12898	
References		
https://www.hudexchange.info/environmental-review/environmental-justice		

HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.

- 1. Were any adverse environmental impacts identified in any other compliance review portion of this project's total environmental review?**

☐ Yes → Continue to Question 2.

☒ No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

- 2. Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?**

☐ Yes

Explain:

→ Continue to Question 3. Provide any supporting documentation.

☐ No

Explain:

→ Continue to Question 3. Provide any supporting documentation.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

3. All adverse impacts should be mitigated. Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

☐ Mitigation as follows will be implemented:

→ Continue to Question 4.

☐ No mitigation is necessary.

Explain why mitigation will not be made here:

→ Continue to Question 4.

4. Describe how the affected low-income or minority community was engaged or meaningfully involved in the decision on what mitigation actions, if any, will be taken.

→ Continue to the Worksheet Summary and provide any supporting documentation.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Consultation 6/1/2023 with:
U.S. Army Corps of Engineers
Northumberland County Historical Society
State Historic Preservation Office
Northumberland County Conservation
Environmental Protection Agency
PennDOT
Herndon Borough
Northumberland County Planning
Pennsylvania Department of Community and Economic Development

No additional requirements identified from consultations.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

APPENDIX K

CONTAMINATION AND TOXIC SUBSTANCES

EXPLOSIVE AND FLAMMABLE HAZARDS

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Contamination and Toxic Substances (Multifamily and Non-Residential Properties)

General requirements	Legislation	Regulations
It is HUD policy that all properties that are being proposed for use in HUD programs be free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of the occupants or conflict with the intended utilization of the property.		24 CFR 58.5(i)(2) 24 CFR 50.3(i)
Reference		
https://www.hudexchange.info/programs/environmental-review/site-contamination		

1. How was site contamination evaluated?¹ Select all that apply.

- ☐ ASTM Phase I ESA
- ☐ ASTM Phase II ESA
- ☐ Remediation or clean-up plan
- ☐ ASTM Vapor Encroachment Screening
- ☒ None of the above

→ Provide documentation and reports and include an explanation of how site contamination was evaluated in the Worksheet Summary.
Continue to Question 2.

2. Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect the health and safety of project occupants or conflict with the intended use of the property? (Were any recognized environmental conditions or RECs identified in a Phase I ESA and confirmed in a Phase II ESA?)

- ☒ No

Explain:

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

- ☐ Yes.

→ Describe the findings, including any recognized environmental conditions (RECs), in Worksheet Summary below. Continue to Question 3.

¹ HUD regulations at 24 CFR § 58.5(i)(2)(ii) require that the environmental review for multifamily housing with five or more dwelling units or Non-residential property include the evaluation of previous uses of the site or other evidence of contamination on or near the site. For acquisition and new construction of multifamily and Nonresidential properties HUD strongly advises the review include an ASTM Phase I Environmental Site Assessment (ESA) to meet real estate transaction standards of due diligence and to help ensure compliance with HUD's toxic policy at 24 CFR §58.5(i) and 24 CFR §50.3(i). Also note that some HUD programs require an ASTM Phase I ESA.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

3. Mitigation

Document the mitigation needed according to the requirements of the appropriate federal, state, tribal, or local oversight agency. If the adverse environmental effects cannot be mitigated, then HUD assistance may not be used for the project at this site.

Can adverse environmental impacts be mitigated?

☐ Adverse environmental impacts cannot feasibly be mitigated

→ Project cannot proceed at this location.

☐ Yes, adverse environmental impacts can be eliminated through mitigation.

→ *Provide all mitigation requirements² and documents. Continue to Question 4.*

4. Describe how compliance was achieved. Include any of the following that apply: State Voluntary Clean-up Program, a No Further Action letter, use of engineering controls³, or use of institutional controls⁴.

DRAFT

If a remediation plan or clean-up program was necessary, which standard does it follow?

☐ Complete removal

→ *Continue to the Worksheet Summary.*

☐ Risk-based corrective action (RBCA)

→ *Continue to the Worksheet Summary.*

² Mitigation requirements include all clean-up actions required by applicable federal, state, tribal, or local law. Additionally, provide, as applicable, the long-term operations and maintenance plan, Remedial Action Work Plan, and other equivalent documents.

³ Engineering controls are any physical mechanism used to contain or stabilize contamination or ensure the effectiveness of a remedial action. Engineering controls may include, without limitation, caps, covers, dikes, trenches, leachate collection systems, signs, fences, physical access controls, ground water monitoring systems and ground water containment systems including, without limitation, slurry walls and ground water pumping systems

⁴ Institutional controls are mechanisms used to limit human activities at or near a contaminated site, or to ensure the effectiveness of the remedial action over time, when contaminants remain at a site at levels above the applicable remediation standard which would allow for unrestricted use of the property. Institutional controls may include structure, land, and natural resource use restrictions, well restriction areas, classification exception areas, deed notices, and declarations of environmental restrictions.

***HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County***

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

U.S. EPA SUPERFUND PROGRAM DATA - SEMS Superfund Public User Database

DEP PACT Tool –

Environmental Justice Map at <https://www.epa.gov/ejscreen>

Consultation 6/1/2023 with:

U.S. Army Corps of Engineers

Northumberland County Historical Society

State Historic Preservation Office

Northumberland County Conservation

Environmental Protection Agency

PennDOT

Herndon Borough

Northumberland County Planning

Pennsylvania Department of Community and Economic Development

No additional requirements identified from consultations.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No



Mid-Atlantic Superfund

Serving Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia

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Pennsylvania Superfund Sites

[[All Sites](#) | [District of Columbia](#) | [Delaware](#) | [Federal Facilities](#) | [Maryland](#) | [Pennsylvania](#) | [Virginia](#) | [West Virginia](#)]

Site Name	EPA ID	NPL Status	City	County	Zip
Bell Landfill	PAD980705107	Final	Wyalusing	Bradford	18853
Centre County Kepone	PAD000436261	Final	State College	Centre	16801
Drake Chemical	PAD003058047	Final	Lock Haven	Clinton	17745
Safety Light Corporation	PAD987295276	Final	Bloomsburg	Columbia	17815
AVCO Lycoming	PAD003053709	Final	Williamsport	Lycoming	17701
Jacks Creek/Sitkin Smelting	PAD980829493	Final	Lewistown	Mifflin	17044
Route 522 Bridge	PA0002021731	Non	Lewistown	Mifflin	17044
MW Manufacturing	PAD980691372	Final	Valley TWP	Montour	17821
Dewart Farms	PASFN0305473	Non	Watsonstown	Northumberland	17777
Baker Brothers Scrap Yard	PAD987389624	Non	Lewisburg	Union	17837

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EPA in Pennsylvania

CONTACT US [https://epa.gov/contacts-us/about-us/penncsylvania](#)

List of Superfund Sites in Pennsylvania

Below is a list that shows:

- proposed, final and deleted sites on the [National Priorities List \(NPL\)](#)
- non-NPL sites subject to Superfund alternative approach (SAA) agreements
<https://epa.gov/epa/consent/consuperfund/alternative-approach/penncsylvania>

Related Information

- View a community guide to EPA's Superfund program (PDF)
<https://www.epa.gov/owh/712197.pdf> (17 pp., 1.1 MB, About PDF)
- Learn more about...
 - The Superfund cleanup process
<https://www.epa.gov/superfund/about-superfund-cleanup-process>
 - Deleting sites from the National Priorities List
<https://www.epa.gov/superfund/superfund-deleting-sites-from-national-priorities-list>
- Frequent questions about Superfund <https://www.epa.gov/superfund/superfund-frequently-asked-questions>

Show **All** entries

Search:

All Sites

Region	State	EPA ID	Site Name	NPL Status	SAA?
3	Pennsylvania	PAD004931003	ALIX FRANK/MID-COUNTY MUSTANG	Final	No
3	Pennsylvania	PAD075953578	ALADDIN PLATING	Deleted	No
3	Pennsylvania	PAD000430436	ANIBLER ASBESTOS PILES	Deleted	No
3	Pennsylvania	PAD041431323	AMP, INC. (GLEN ROCK FACILITY)	Deleted	No
3	Pennsylvania	PAD057381716	AUSTIN AVENUE RADIATION SITE	Deleted	No
3	Pennsylvania	PAD000053709	AVCO LYCOMING (WILLIAMSPORT DIVISION)	Final	No
3	Pennsylvania	PAN000000030	BAGHURST DRIVE	Final	No
3	Pennsylvania	PAD061105128	BALLY GROUND WATER CONTAMINATION	Final	No
3	Pennsylvania	PAD000705007	BELL LANDFILL	Final	No
3	Pennsylvania	PAD000047374	BENTON PLANT SYSTEMS DIVISION	Final	No
3	Pennsylvania	PAD000530649	BERKLEY PRODUCTS CO. DUMP	Deleted	No
3	Pennsylvania	PAD000653310	BERKS LANDFILL	Deleted	No
3	Pennsylvania	PAD000603734	BERKS SANG HFF	Final	No
3	Pennsylvania	PAD000000000	BLOOMSBURG LANDFILL	Final	No
3	Pennsylvania	PAD047726101	BOARHEAD FARMS	Final	No
3	Pennsylvania	PAD000034007	BORT ASBESTOS	Final	No
3	Pennsylvania	PAD000667005	BREXLER-LEVIN, INC.	Final	No
3	Pennsylvania	PAD000000150	BROOKDALE CREEK	Deleted	No
3	Pennsylvania	PAD000000000	BROWN'S BATTERY BREAKING	Final	No
3	Pennsylvania	PAD000712305	BURN LAGOON	Deleted	No
3	Pennsylvania	PAD000000000	BUTLER TUNNEL	Final	No
3	Pennsylvania	PAD000000000	BUTZ LANDFILL	Final	No
3	Pennsylvania	PAD000000000	C & D RECYCLING	Final	No
2	Pennsylvania	PAD000000000	CENTRE COUNTY KEPONE	Final	No
3	Pennsylvania	PAD000000000	CHEM-FAB	Final	No
3	Pennsylvania	PAD000000000	COMMODORE SEMICONDUCTOR GROUP	Final	No
3	Pennsylvania	PAD000000000	CRAW FARM DRUM	Deleted	No
3	Pennsylvania	PAD000000000	CENTER RESOURCES, INC./REYSTONE CORE CO./ALAN WOOD STEEL CO.	Final	No
3	Pennsylvania	PAD000000000	CROSSLEY FARM	Final	No
3	Pennsylvania	PAD000000000	CROYDON TCE	Final	No
3	Pennsylvania	PAD000000000	CRYOCHEM, INC.	Final	No
3	Pennsylvania	PAD000000000	DELTA QUARRIES & DISPOSAL, INC./STOTLER LANDFILL	Final	No
3	Pennsylvania	PAD000000000	DORNEY ROAD LANDFILL	Final	No
3	Pennsylvania	PAD000000000	DOUGLASSVILLE DISPOSAL	Final	No
3	Pennsylvania	PAD000000000	DRAKE CHEMICAL	Final	No
3	Pennsylvania	PAD000000000	DUBLIN TCE SITE	Final	No
3	Pennsylvania	PAD000000000	EAST MOUNTAIN	Final	No
3	Pennsylvania	PAD000000000	EAST TOWN SITE	Proposed	No
3	Pennsylvania	PAD000000000	EASTERN DIVERSIFIED METALS	Final	No
3	Pennsylvania	PAD000000000	ELIZABETHTOWN LANDFILL	Final	No
3	Pennsylvania	PAD000000000	ENTERPRISE AVENUE	Deleted	No
3	Pennsylvania	PAD000000000	FISCHER & PORTER CO.	Final	No
3	Pennsylvania	PAD000000000	HOSTETTER MINERAL CO.	Final	No
3	Pennsylvania	PAD000000000	FOSTER WHEELER ENERGY CORP./CHENIER ROAD TCE	Proposed	Yes
3	Pennsylvania	PAD000000000	FRANKLIN SLAG PILE (HDC)	Final	No
3	Pennsylvania	PAD000000000	HAVERTOWN PCP	Final	No
3	Pennsylvania	PAD000000000	HEBELUX AUTO SALVAGE YARD	Deleted	No
3	Pennsylvania	PAD000000000	HELEVA LANDFILL	Final	No
3	Pennsylvania	PAD000000000	HELLERTOWN MANUFACTURING CO.	Final	No
3	Pennsylvania	PAD000000000	HENDERSON ROAD	Final	No
3	Pennsylvania	PAD000000000	HARAMCA LANDFILL	Deleted	No
3	Pennsylvania	PAD000000000	HUNTERSTOWN ROAD	Final	No
3	Pennsylvania	PAD000000000	INDUSTRIAL LANE	Final	No
3	Pennsylvania	PAD000000000	JACKS CREEK/STOKES SMELTING & REFINING, INC.	Final	No

Region	State	EPA ID	Site Name	NPL Status	SAA?
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Region	State	EPA ID	Site Name	RPL Status	SAZ?
3	Pennsylvania	PAD001222025	JACKSON CERAMIC, INC.	Final	No
3	Pennsylvania	PAD054142781	KEYSTONE SANITATION LANDFILL	Final	No
3	Pennsylvania	PAD080012703	KIMBERTON	Final	No
3	Pennsylvania	PAD080508667	LACKAWANNA REFUSE	Deleted	No
3	Pennsylvania	PAD080830921	LANSDOWNE RADIATION SITE	Deleted	No
3	Pennsylvania	PAD080712231	LEHIGH ELECTRIC & ENGINEERING CO.	Deleted	No
3	Pennsylvania	PAD210990454	LETTERKENNY ARMY DEPOT (PDO AREA)	Final	No
3	Pennsylvania	PAD213820603	LETTERKENNY ARMY DEPOT (SE AREA)	Final	No
3	Pennsylvania	PAD090712788	LINDANE DUMP	Final	No
3	Pennsylvania	PAD080508931	LORD-SHOPE LANDFILL	Final	No
3	Pennsylvania	PAS040305021	LOWER DARBY CREEK AREA	Final	No
3	Pennsylvania	PAD014253445	MALVERN TCE	Final	No
3	Pennsylvania	PAD090712616	MCADOO ASSOCIATES	Deleted	No
3	Pennsylvania	PAD042557096	METAL BANK	Final	No
3	Pennsylvania	PAD044545895	METRO CONTAINER CORPORATION	Final	No
3	Pennsylvania	PAD082306057	METROPOLITAN MIRROR AND GLASS CO., INC.	Deleted	No
3	Pennsylvania	PAD090508763	MIDDELTOWN AIR FIELD	Deleted	No
3	Pennsylvania	PAD080231890	MILL CREEK DUMP	Final	No
3	Pennsylvania	PAD090509063	MODERN SANITATION LANDFILL	Final	No
3	Pennsylvania	PAD080508766	MOYERS LANDFILL	Deleted	No
3	Pennsylvania	PAD0906031372	NEW MANUFACTURING	Final	No
3	Pennsylvania	PAD170034145	NAVAL AIR DEVELOPMENT CENTER (B WASTE AREAS)	Final	No
3	Pennsylvania	PAD170022104	NAVY SHIPS PARTS CONTROL CENTER	Final	No
3	Pennsylvania	PAD0906034694	NORTH PENN - AREA 1	Final	No
3	Pennsylvania	PAD0507152365	NORTH PENN - AREA 12	Final	No
3	Pennsylvania	PAD002342475	NORTH PENN - AREA 2	Final	No
3	Pennsylvania	PAD080602893	NORTH PENN - AREA 5	Final	No
3	Pennsylvania	PAD090920976	NORTH PENN - AREA 6	Final	No
3	Pennsylvania	PAD002408632	NORTH PENN - AREA 7	Final	No
3	Pennsylvania	PAD070150842	NOXON SANITARY LANDFILL	Final	No
3	Pennsylvania	PAD080225096	OCCIDENTAL CHEMICAL CORP./FIRESTONE TIRE & RUBBER CO.	Final	No
3	Pennsylvania	PAD090508016	OHIO RIVER PARK	Final	No
3	Pennsylvania	PAD090802420	OLD CITY OF YORK LANDFILL	Final	No
3	Pennsylvania	PAD050508039	OLD WILMINGTON ROAD CIVIL CONTAMINATION	Final	No
3	Pennsylvania	PAD080712673	OSBORNE LANDFILL	Final	No
3	Pennsylvania	PAD002305087	PALMERTON ZINC MINE	Final	No
3	Pennsylvania	PAD090602204	PAOLI RAIL YARD	Final	No
3	Pennsylvania	PAD090508065	PRESQUE ISLE	Deleted	No
3	Pennsylvania	PAN000305579	PRICE BATTERY LEAD SMELTER	Final	No
3	Pennsylvania	PAD090509300	PUBLICORA INDUSTRIES INC.	Deleted	No
3	Pennsylvania	PAD0120017684	RAYMARK	Final	No
3	Pennsylvania	PAD002303169	RECTICOR VALUED STEEL CORP.	Final	No
3	Pennsylvania	PAD0507082101	REESER'S LANDFILL	Deleted	No
3	Pennsylvania	PAD0601164228	RESIN DISPOSAL	Deleted	No
3	Pennsylvania	PAD050305409	REVERE CHEMICAL CO.	Final	No
3	Pennsylvania	PAD002439083	RIVER ROAD LANDFILL (WASTE MANAGEMENT, INC.)	Deleted	No
3	Pennsylvania	PAD090303285	RODALE MANUFACTURING CO., INC.	Final	No
3	Pennsylvania	PAD0903034620	ROUTE 940 DRUM DUMP	Deleted	No
3	Pennsylvania	PAD090303459	RYELAND ROAD ARSENIC SITE	Final	No
3	Pennsylvania	PAD0808030487	SAKERTOWN INDUSTRIAL AREA	Final	No
3	Pennsylvania	PAD0807205076	SAFETY LIGHT CORPORATION	Final	No
3	Pennsylvania	PAD080803204	SALFORD QUARRY	Final	No
3	Pennsylvania	PAD0605033175	SHARON STEEL CORP (FABRILL WORKS DISPOSAL AREA)	Final	No
3	Pennsylvania	PAD080303039	SHRIVER'S CORNER	Final	No
3	Pennsylvania	PAD014269971	STANLEY KESSLER	Final	No
3	Pennsylvania	PAD000441337	STRASBURG LANDFILL	Final	No
3	Pennsylvania	PAD090603007	TAYLOR BOROUGH DUMP	Deleted	No
3	Pennsylvania	PAS213820892	TOBISAWANNA ARMY DEPOT	Final	No
3	Pennsylvania	PAD0706033663	TONKILL CORP.	Final	No
3	Pennsylvania	PAD0806092024	TYSON'S DUMP	Final	No
3	Pennsylvania	PAD0805091125	UGI COLUMBIA GAS PLANT	Final	No
3	Pennsylvania	PAD0823050970	VALMONT TCE SITE (FORMER - VALMONT INDUSTRIAL PARK)	Final	No
3	Pennsylvania	PAD0906032719	VOORTMAN FARM	Deleted	No
3	Pennsylvania	PAD090509407	WADE (ASB)	Deleted	No
3	Pennsylvania	PAD0908209637	WALSH LANDFILL	Final	No
3	Pennsylvania	PAD0807060324	WATSON JOHNSON LANDFILL	Final	No
3	Pennsylvania	PAD0500005075	WESTINGHOUSE ELECTRIC CORP. (SHARON PLANT)	Final	No
3	Pennsylvania	PAD040822081	WESTINGHOUSE ELEVATOR CO. PLANT	Final	No
3	Pennsylvania	PAD0906032537	WESTLINE	Deleted	No
3	Pennsylvania	PAD003005014	WHI (MOTEX) LAROUX DRILLS	Final	No
3	Pennsylvania	PAD0806037773	WILLIAM DRILL LAGOONS	Final	No
3	Pennsylvania	PAD0807277837	WILLOW GROVE NAVAL AIR AND AIR RESERVE STATION	Final	No
3	Pennsylvania	PAD0908030715	YORK COUNTY SOLID WASTE AND REFUSE AUTHORITY LANDFILL	Deleted	No
Region	State	EPA ID	Site Name	RPL Status	SAZ?

Showing 1 to 127 of 127 entries (filtered from 1,061 total entries)

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Explosive and Flammable Hazards (CEST and EA)

General requirements	Legislation	Regulation
HUD-assisted projects must meet Acceptable Separation Distance (ASD) requirements to protect them from explosive and flammable hazards.	N/A	24 CFR Part 51 Subpart C
Reference		
https://www.hudexchange.info/environmental-review/explosive-and-flammable-facilities		

1. Does the proposed HUD-assisted project include a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries)?

☒ No

→ Continue to Question 2.

☐ Yes

Explain:

→ Continue to Question 5.

2. Does this project include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion?

☒ No

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

☐ Yes

→ Continue to Question 3.

3. Within 1 mile of the project site, are there any current or *planned* stationary aboveground storage containers:

- Of more than 100-gallon capacity, containing common liquid industrial fuels OR
- Of any capacity, containing hazardous liquids or gases that are not common liquid industrial fuels?

☐ No

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide all documents used to make your determination.

☐ Yes

→ Continue to Question 4.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

4. Is the Separation Distance from the project acceptable based on standards in the Regulation?

Please visit HUD's website for information on calculating Acceptable Separation Distance.

☐ Yes

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the "assessed tank."*

☐ No

→ *Provide map(s) showing the location of the project site relative to any tanks and your separation distance calculations. If the map identifies more than one tank, please identify the tank you have chosen as the "assessed tank."
Continue to Question 6.*

5. Is the hazardous facility located at an acceptable separation distance from residences and any other facility or area where people may congregate or be present?

Please visit HUD's website for information on calculating Acceptable Separation Distance.

☐ Yes

→ *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.*

☐ No

→ *Provide map(s) showing the location of the project site relative to residences and any other facility or area where people congregate or are present and your separation distance calculations.
Continue to Question 6.*

6. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to make the Separation Distance acceptable, including the timeline for implementation. If negative effects cannot be mitigated, cancel the project at this location.

Note that only licensed professional engineers should design and implement blast barriers. If a barrier will be used or the project will be modified to compensate for an unacceptable separation distance, provide approval from a licensed professional engineer.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

U.S. EPA SUPERFUND PROGRAM DATA - SEMS Superfund Public User Database

DEP PACT Tool –

Environmental Justice Map at <https://www.epa.gov/ejscreen>

Consultation 6/1/2023 with:

U.S. Army Corps of Engineers

Northumberland County Historical Society

State Historic Preservation Office

Northumberland County Conservation

Environmental Protection Agency

PennDOT

Herndon Borough

Northumberland County Planning

Pennsylvania Department of Community and Economic Development

No additional requirements identified from consultations.

Are formal compliance steps or mitigation required?

☐ Yes

☒ No

APPENDIX L

CLEAN AIR

DRAFT

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

Air Quality (CEST and EA)

General Requirements	Legislation	Regulation
The Clean Air Act is administered by the U.S. Environmental Protection Agency (EPA), which sets national standards on ambient pollutants. In addition, the Clean Air Act is administered by States, which must develop State Implementation Plans (SIPs) to regulate their state air quality. Projects funded by HUD must demonstrate that they conform to the appropriate SIP.	Clean Air Act (42 USC 7401 et seq.) as amended particularly Section 176(c) and (d) (42 USC 7506(c) and (d))	40 CFR Parts 6, 51 and 93
Reference		
https://www.hudexchange.info/environmental-review/air-quality		

Scope of Work

1. Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?

☐ Yes

→ Continue to Question 2.

☒ No Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

Air Quality Attainment Status of Project's County or Air Quality Management District

2. Is your project's air quality management district or county in non-attainment or maintenance status for any criteria pollutants?

Follow the link below to determine compliance status of project county or air quality management district:

<http://www.epa.gov/oaqps001/greenbk/>

☐ No, project's county or air quality management district is in attainment status for all criteria pollutants

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

☐ Yes, project's management district or county is in non-attainment or maintenance status for one or more criteria pollutants.

Describe the findings:

→ Continue to Question 3.

**HBJTJMA Rt 147 Waterline Replacement Herndon
Herndon Borough, Northumberland County**

3. Determine the estimated emissions levels of your project for each of those criteria pollutants that are in non-attainment or maintenance status on your project area. Will your project exceed any of the *de minimis* or *threshold* emissions levels of non-attainment and maintenance level pollutants or exceed the screening levels established by the state or air quality management district?

☐ No, the project will not exceed *de minimis* or threshold emissions levels or screening levels
→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Explain how you determined that the project would not exceed *de minimis* or threshold emissions.

☐ Yes, the project exceeds *de minimis* emissions levels or screening levels.
→ Continue to Question 4. Explain how you determined that the project would not exceed *de minimis* or threshold emissions in the Worksheet Summary.

4. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

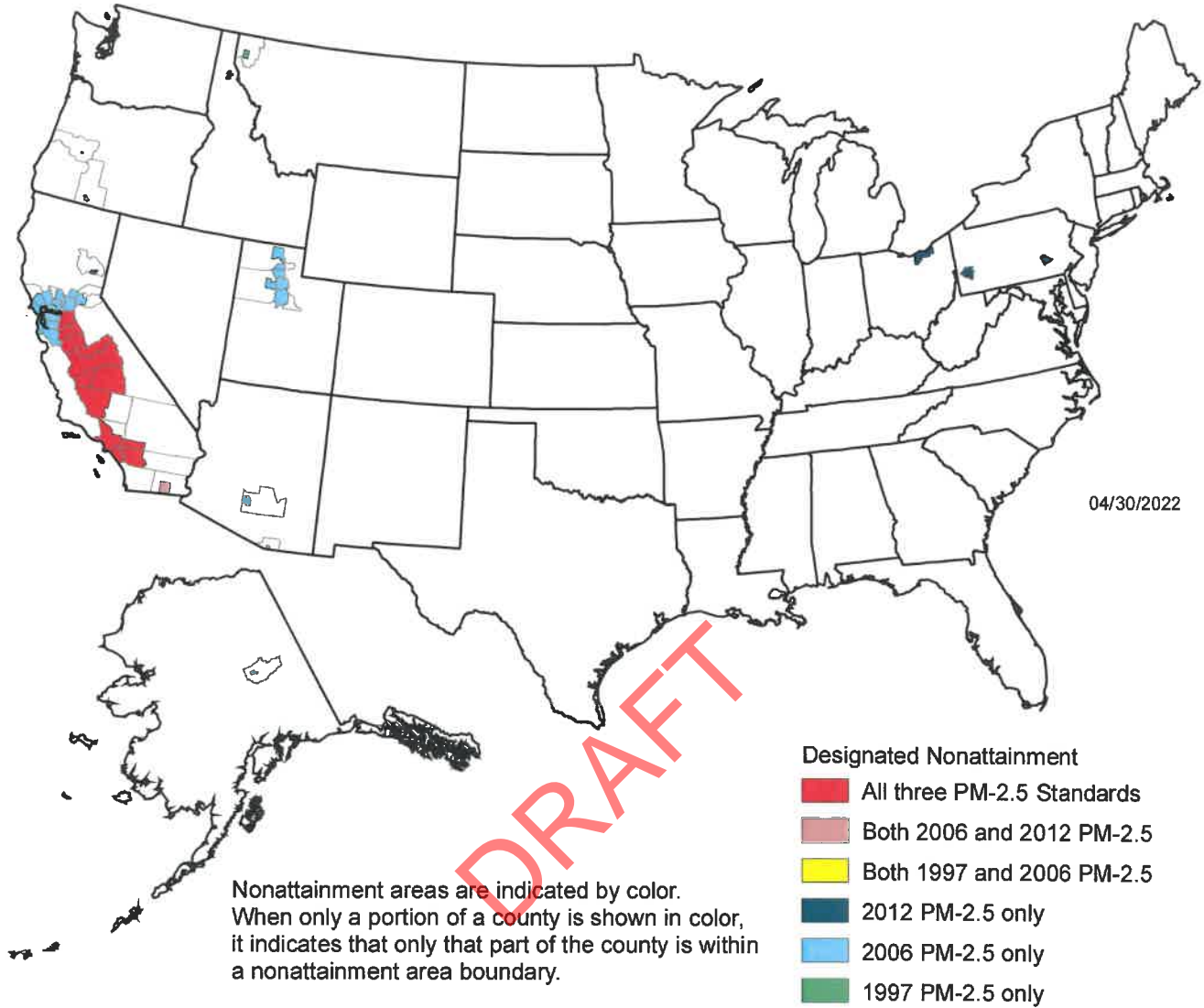
<https://www3.epa.gov/airquality/greenbook/>

Nonattainment area maps.

Are formal compliance steps or mitigation required?

- ☐ Yes
☒ No

**Counties Designated Nonattainment
for PM-2.5 (1997, 2006, and/or 2012 Standards)**

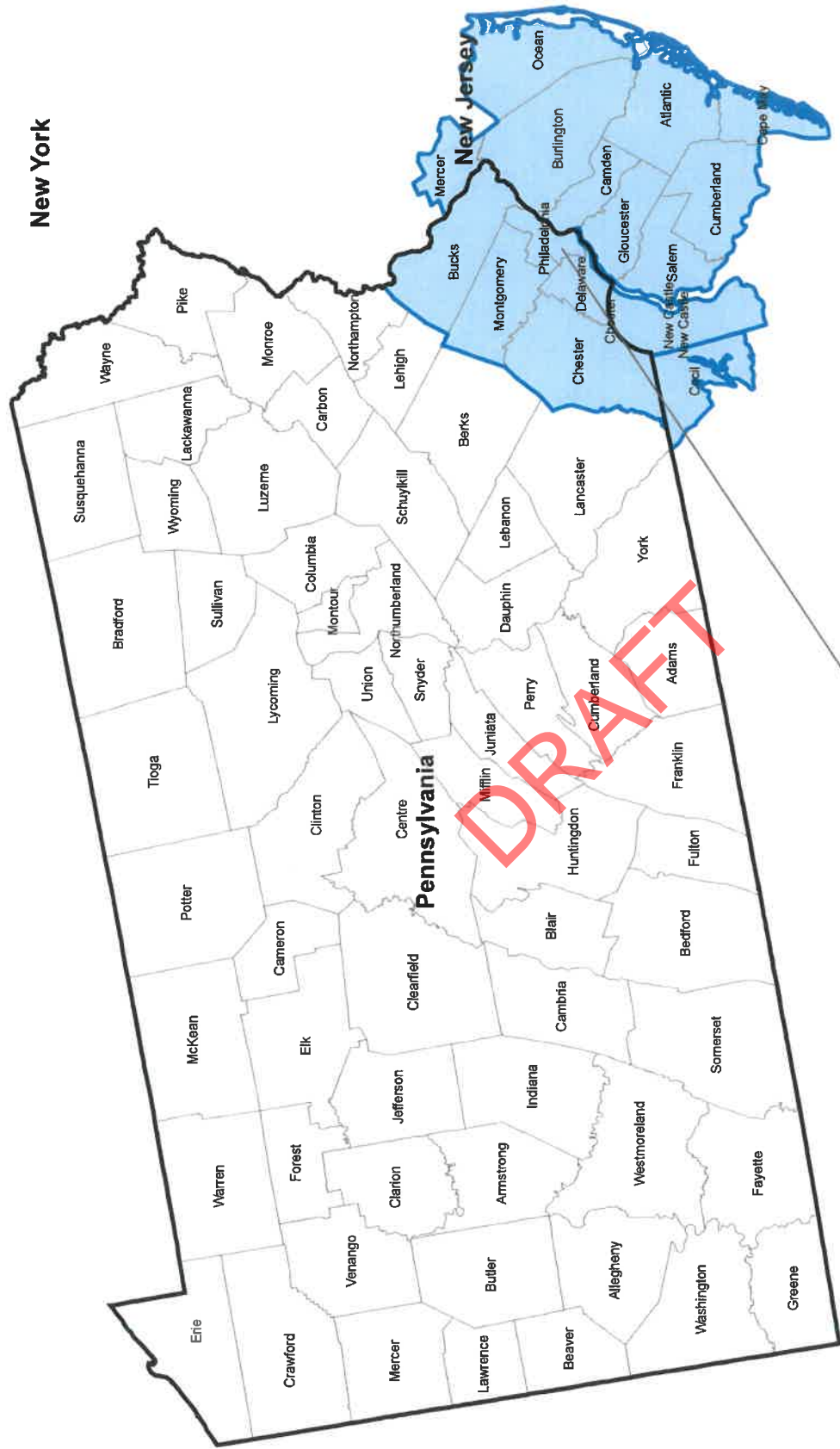


12/05/2013

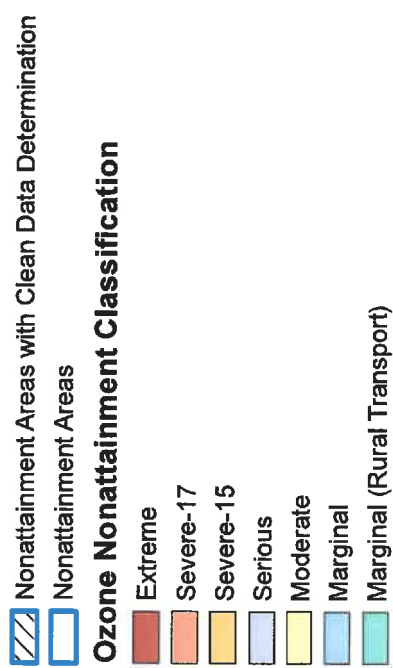


Pennsylvania 8-hour Ozone Nonattainment Areas (2015 Standard)

04/30/2022



Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE



West Virginia

Maryland

Delaware



1/30/2015





You are here: EPA Home > Green Book > PM-2.5 (2012) Designated Areas by State/County/Area

PM-2.5 (2012) Designated Areas by State/County/Area

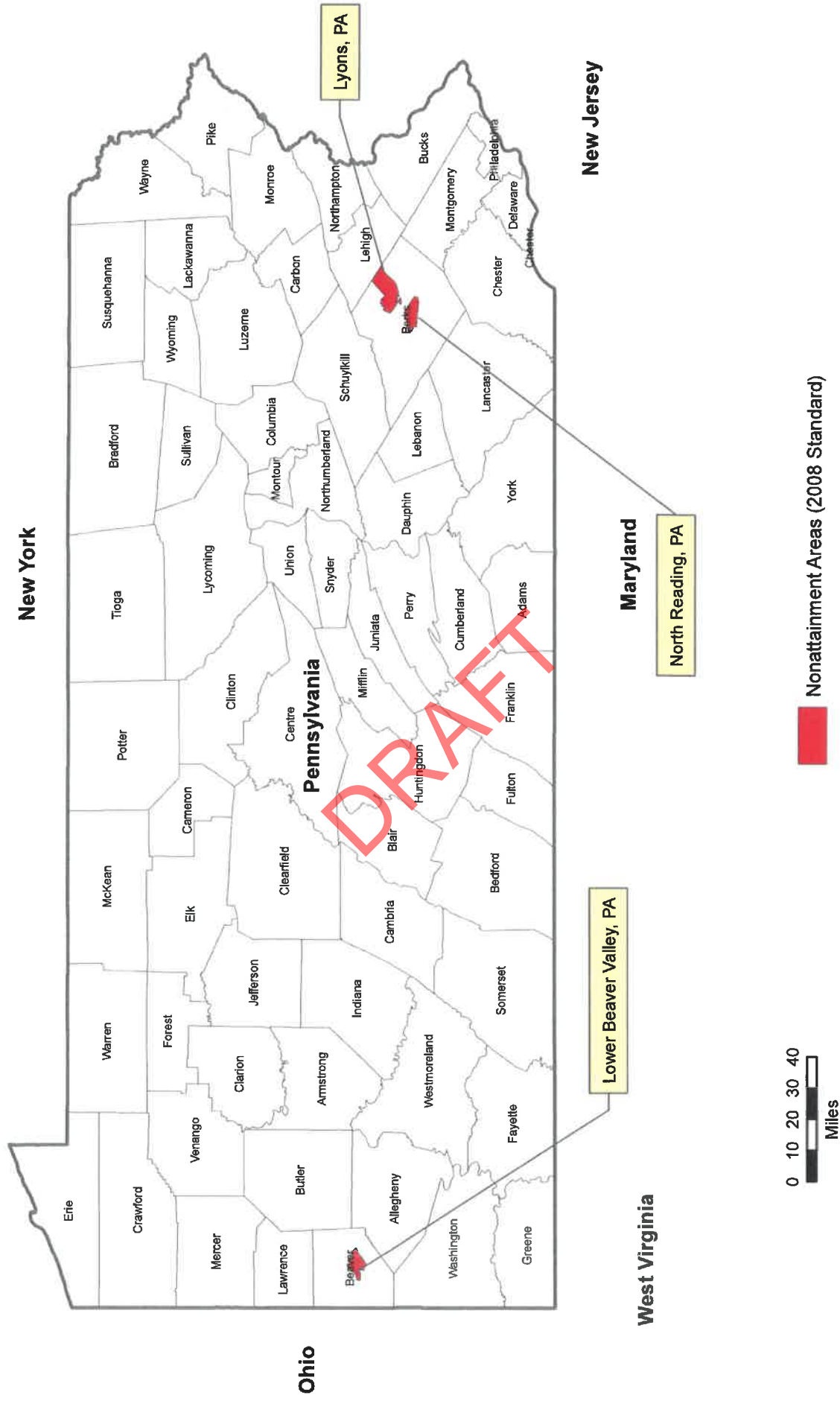
Data is current as of April 30, 2022

Click underlined column heading to change report order

State	County	Area Name	Current Status	County NA Whole/Part	2010 Population	State/County FIPS
				click link for partial county description	whole or partial county population	
CALIFORNIA	Fresno County	San Joaquin Valley, CA	Nonattainment	Whole	930,450	06/019
CALIFORNIA	Imperial County	Imperial County, CA	Nonattainment	Part	154,061	06/025
CALIFORNIA	Kern County	San Joaquin Valley, CA	Nonattainment	Part	710,137	06/029
CALIFORNIA	Kings County	San Joaquin Valley, CA	Nonattainment	Whole	152,982	06/031
CALIFORNIA	Los Angeles County	Los Angeles-South Coast Air Basin, CA	Nonattainment	Part	9,438,565	06/037
CALIFORNIA	Madera County	San Joaquin Valley, CA	Nonattainment	Whole	150,865	06/039
CALIFORNIA	Merced County	San Joaquin Valley, CA	Nonattainment	Whole	255,793	06/047
CALIFORNIA	Orange County	Los Angeles-South Coast Air Basin, CA	Nonattainment	Whole	3,010,232	06/059
CALIFORNIA	Plumas County	Plumas County, CA	Nonattainment	Part	5,843	06/063
CALIFORNIA	Riverside County	Los Angeles-South Coast Air Basin, CA	Nonattainment	Part	1,740,819	06/065
CALIFORNIA	San Bernardino County	Los Angeles-South Coast Air Basin, CA	Nonattainment	Part	1,526,626	06/071
CALIFORNIA	San Joaquin County	San Joaquin Valley, CA	Nonattainment	Whole	685,306	06/077
CALIFORNIA	Stanislaus County	San Joaquin Valley, CA	Nonattainment	Whole	514,453	06/099
CALIFORNIA	Tulare County	San Joaquin Valley, CA	Nonattainment	Whole	442,179	06/107
IDAHO	Shoshone County	West Silver Valley, ID	Maintenance	Part	7,497	16/079
OHIO	Cuyahoga County	Cleveland, OH	Maintenance	Whole	1,280,122	39/035
OHIO	Lorain County	Cleveland, OH	Maintenance	Whole	301,356	39/093
PENNSYLVANIA	Allegheny County	Allegheny County, PA	Nonattainment	Whole	1,223,348	42/003
PENNSYLVANIA	Delaware County	Delaware County, PA	Maintenance	Whole	558,979	42/045
PENNSYLVANIA	Lebanon County	Lebanon County, PA	Maintenance	Whole	133,568	42/075

Pennsylvania Lead Nonattainment Areas (2008 Standard)

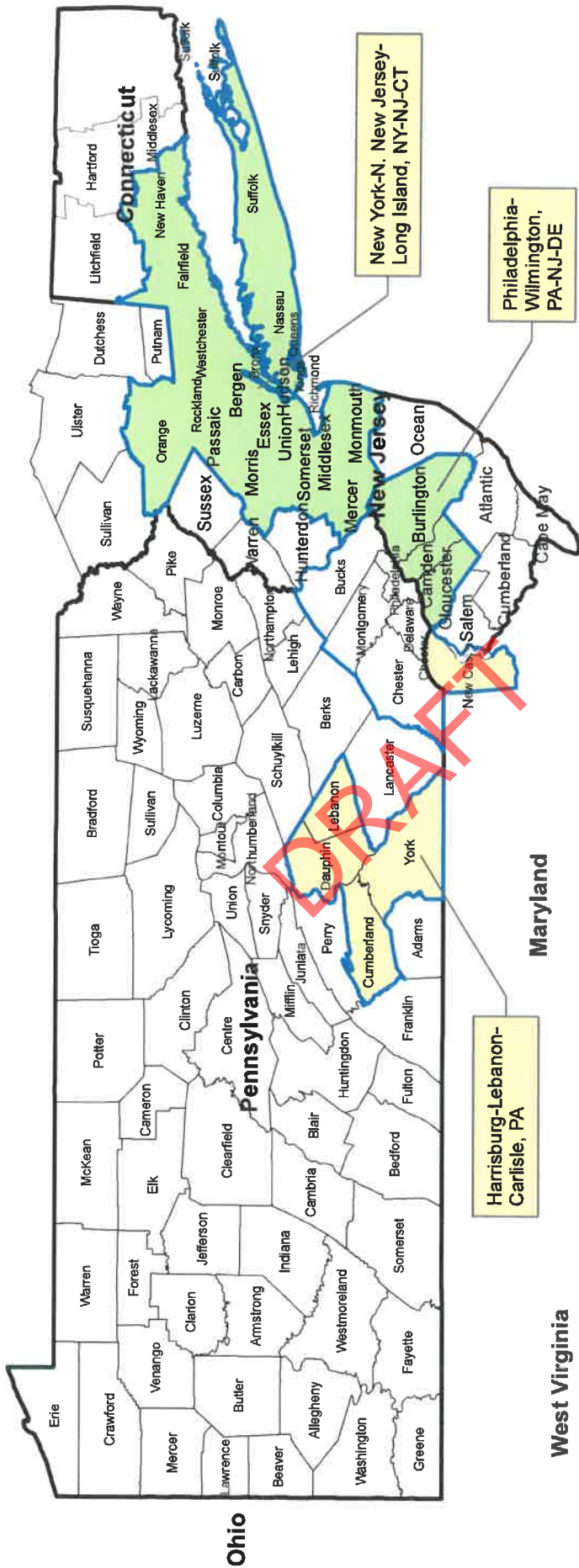
12/05/2013



Pennsylvania, New York, New Jersey, Connecticut, Delaware PM-2.5 Maintenance Areas (2006 Standard)

1/30/2015

New York



For PM-2.5 (2006 Standard) Philadelphia-Wilmington, PA-NJ-DE nonattainment area, the New Jersey portion was redesignated on September 4, 2013 and the Delaware portion was redesignated a year later on September 4, 2014. The Pennsylvania portion has not been redesignated. The entire area is not considered in maintenance until all states in a multi-state area are redesignated.

Delaware

Maryland

West Virginia

PM-2.5 Maintenance Areas

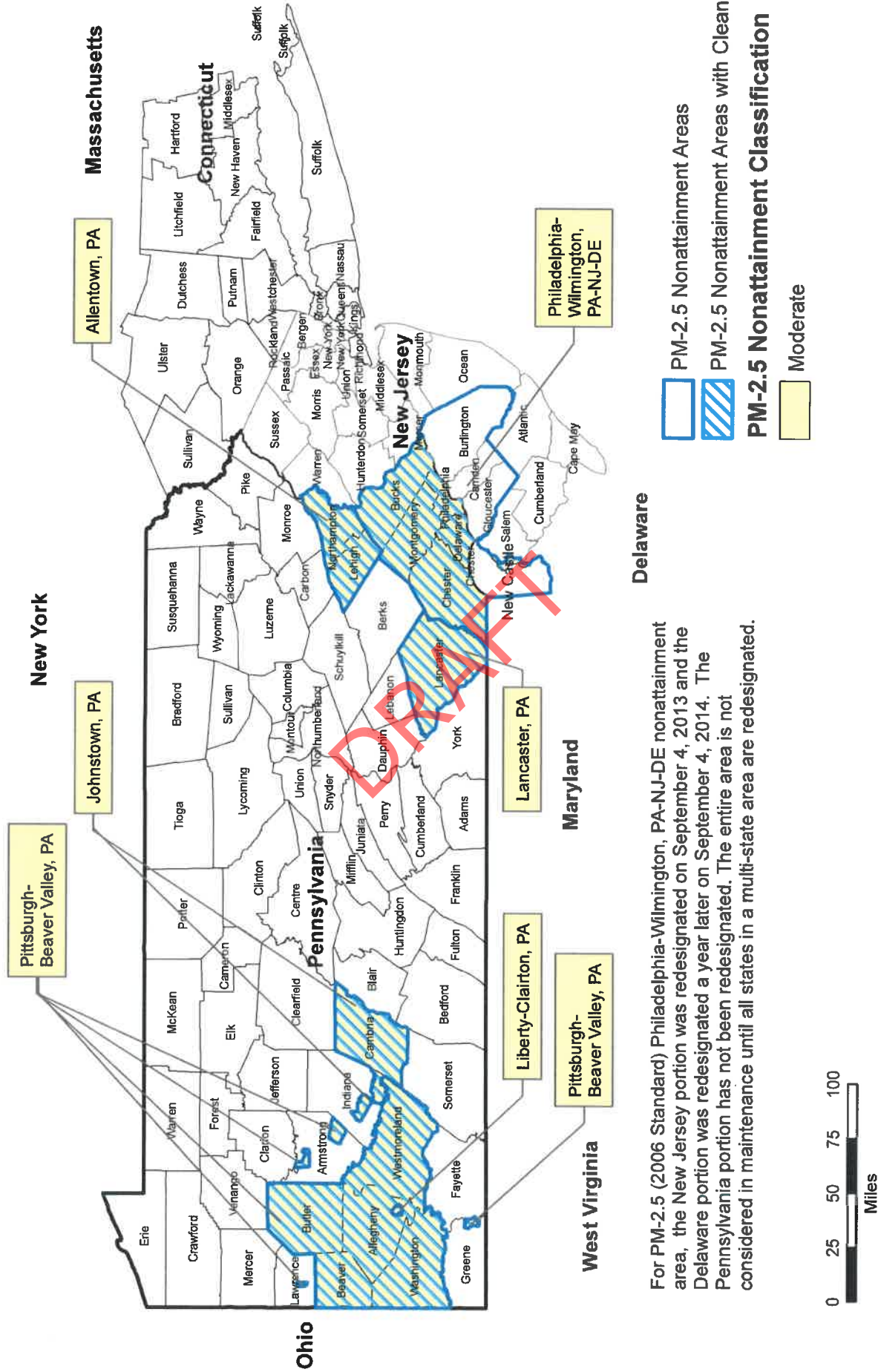
PM-2.5 Maintenance Classification

Previously Moderate
Previously Subpart 1



Pennsylvania, New York, New Jersey, Connecticut, Delaware PM-2.5 Nonattainment Areas (2006 Standard)

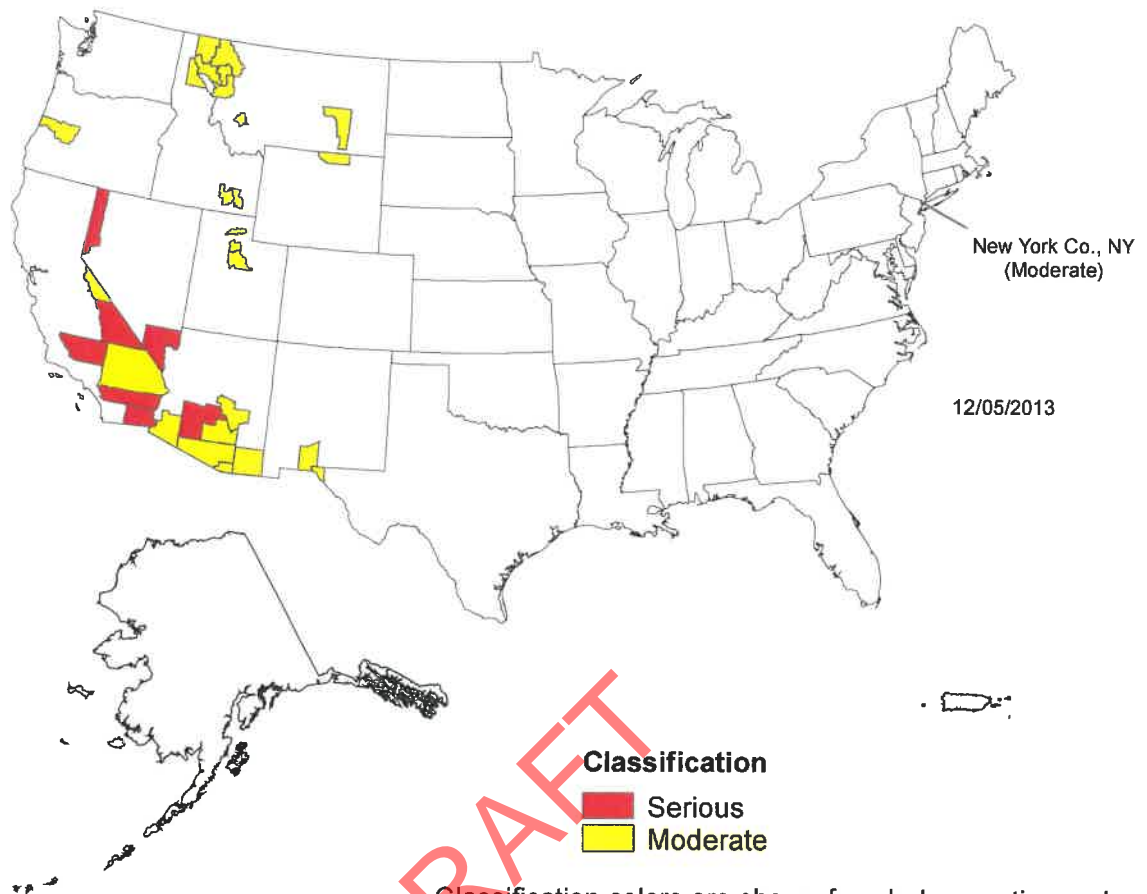
1/30/2015



Delaware

For PM-2.5 (2006 Standard) Philadelphia-Wilmington, PA-NJ-DE nonattainment area, the New Jersey portion was redesignated on September 4, 2013 and the Delaware portion was redesignated a year later on September 4, 2014. The Pennsylvania portion has not been redesignated. The entire area is not considered in maintenance until all states in a multi-state area are redesignated.

Counties Designated Nonattainment for PM-10



Classification colors are shown for whole counties and denote the highest area classification that the county is in

APPENDIX M

GENERAL CONSULTATION

DRAFT



June 1, 2023

SUBJECT: NEPA ENVIRONMENTAL REVIEW
HBJTJMA RT 147 WATERLINE REPLACEMENT HERNDON
HERNDON BOROUGH, NORTHUMBERLAND COUNTY
COMMUNITY DEVELOPMENT BLOCK GRANT

Northumberland County has committed Community Development Block Grant (CDBG) funds from the Pennsylvania Department of Community and Economic Development (DCED) to be used for the following multi-year project:

HBJTJMA Rt 147 Waterline Replacement Herndon

Northumberland County has allocated \$155,140 of Community Development Block Grant funding from FFY 2021, Contract No. C000082259, and \$1,412,852 of Community Development Block Grant Competitive funding from FFY 2021-C, Contract No. C000082954 toward the HBJTJMA Rt 147 Waterline Replacement activity in Herndon Borough, Northumberland County. The funds will be used to replace the water main along Route 147. The new water main line will be 8" in diameter replacing the 6" diameter pipe.

Enclosed you will find location maps of the proposed project. Please review this project as to its impact on wetlands protection, and on any other environmental issues pertinent to your department.

We also believe that there are no historic properties or eligible historic properties located in the project area. If your agency knows of any such properties, please inform us as soon as possible.

In accordance with grant regulations, an Environmental Review must be performed on all projects which utilize federal funds. This includes consulting with various community groups and public agencies which may have an interest in this project.

So that we may proceed in obtaining environmental clearance from DCED on this project, we are asking, if you choose to respond, please do so by July 3, 2023. Your comments will become a part of the Environmental Review Record.

If you have any questions, or require additional information, please feel free to contact me.

Sincerely,

Nadine Simpson

Nadine Simpson, Program Analyst
Community Development Program
Community Services Division



APPENDIX N

**NOTICE OF FINDING OF
NO SIGNIFICANT IMPACT AND
INTENT TO REQUEST
RELEASE OF FUNDS**

**CERTIFICATION OF
ENVIRONMENTAL REVIEW,
REQUEST FOR RELEASE OF FUNDS**

APPENDIX O

AUTHORITY TO USE GRANT FUNDS

DRAFT