



Missouri Department of Economic Development

DETERMINATION OF LEVEL OF ENVIRONMENTAL REVIEW

Last Modified 2/7/25

Project Name: City of Chillicothe - DemolitionOnly Responsible Entity(RE): City of Chillicothe

Project Location: 715 N. Washington, Chillicothe, MO 64601 CDBG Project#: 2023-DM-03-RPRP

Project Description: (all project activities, including those funded by sources other than CDBG funding)

The City of Chillicothe is proposing the demolition of 17 residential structures and 1 commercial structure within the city limit boundary. CDBG funds will be used for Demolition, Asbestos Inspection, Asbestos Abatement and Administration Activities. The City of Chillicothe will provide funds to assist with demolition costs, perform all demolition inspections and specifications and seed and mulch the lots after units have been removed. All demolition debris and any abated asbestos materials will be transported to the appropriate landfills.

The project has been reviewed by the RE in accordance with HUD regulation 24 CFR Part 58 The following Determination of Level of Environmental Review is made:

(Check the box for the appropriate level and insert full citation in the blank space provided. Refer to http://www.access.gpo.gov/nara/cfr/waisidx_09/24cfr58_09.html for appropriate citation.)

- Exempt from NEPA review requirements per 24 CFR 58.34(a)()
Categorically Excluded NOT Subject To (CENST) §58.5 authorities per 24 CFR 58.35(b)()
Categorically Excluded SUBJECT To (CEST) §58.5 authorities per 24 CFR 58.35(a)()
Environmental Assessment (EA) is required in accordance with subpart E of 24 CFR Part 58.36
Environmental Impact Statement (EIS) is required.

The Environmental Review Record (ERR), pursuant to §58.38, contains all environmental documents, public notices and written determinations or findings required as evidence of the review, decision making, and actions pertaining to this project. Additional information (e.g., checklists, studies, analyses, etc.) are included, as appropriate, in the ERR.

Lisa Colson
Preparer Name

Preparer Signature

12/8/2025
Date

Theresa Kelly
RE Certifying Officer Name

RE Certifying Officer Signature

12/10/2025
Date

FINDING OF EXEMPTION

For Specific Exempt Project Activities ([24 CFR §58.34](#))

Select one:

Some Project Activities are Exempt

Entire Project is Exempt

Project Name: City of Chillicothe - Demolition Only

Responsible Entity (RE): City of Chillicothe

Project Location: 715 N. Washington, Chillicothe, MO 64601

CDBG Project #: 2023-DM-03-RP

Project Description: *(all project activities, including those funded by sources other than CDBG funding)*

The City of Chillicothe is proposing the demolition of 18 residential structures and 1 commercial structure within the city limit boundary. CDBG funds will be used for Demolition, Asbestos Inspection, Asbestos Abatement and Administration Activities. The City of Chillicothe will provide funds to assist with demolition costs, perform all demolition inspections and specifications and seed and mulch the lots after units have been removed. All demolition debris and any abated asbestos materials will be transported to the appropriate landfills.

The following activities have been determined Exempt in accordance with [24 CFR 58.34](#).

List all exempt activities by all funding sources.

Demolition Inspection - \$7,650.00 City of Chillicothe will perform inspections as in-kind match.

Administration - \$19,020.00, Green Hills Regional Planning Commission has been procured to perform administration services. This services will be paid for with CDBG funds.

Asbestos Inspection - \$7,500. Services have been procured and will be paid for with CDBG funds.

Total Amount Of Funds For Exempt Activities: 34,170.00

As RE Certifying Officer, I understand the activities listed above are exempt from NEPA review requirements as specified at [58.34](#) and do not require a formal release of funds (environmental approval). I understand the RE may proceed with the above activities.

Lisa Colson

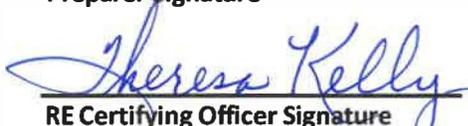
Preparer Name


Preparer Signature

12/8/2025
Date

Theresa Kelly

RE Certifying Officer Name


RE Certifying Officer Signature

12/10/2025
Date



Missouri Department of
Economic Development

DETERMINATION OF LEVEL OF ENVIRONMENTAL REVIEW

Last Modified 2/7/25

Project Name: _____ Responsible Entity(RE): _____

Project Location: _____ CDBG Project#: _____

Project Description: *(all project activities, including those funded by sources other than CDBG funding)*

The project has been reviewed by the RE in accordance with HUD regulation [24 CFR Part 58](#)

The following Determination of Level of Environmental Review is made:

(Check the box for the appropriate level and insert full citation in the blank space provided. Refer to http://www.access.gpo.gov/nara/cfr/waisidx_09/24cfr58_09.html for appropriate citation.)

Exempt from NEPA review requirements per [24 CFR 58.34\(a\)](#)(_____)

Categorically Excluded NOT Subject To (CENST) §58.5 authorities per [24 CFR 58.35\(b\)](#)(_____)

Categorically Excluded SUBJECT To (CEST) §58.5 authorities per [24 CFR 58.35\(a\)](#)(_____)
(Preparation of the Statutory Checklist is required.)

Environmental Assessment (EA) is required in accordance with subpart E of [24 CFR Part 58.36](#)

Environmental Impact Statement (EIS) is required.

The Environmental Review Record (ERR), pursuant to [§58.38](#), contains all environmental documents, public notices and written determinations or findings required as evidence of the review, decision making, and actions pertaining to this project. Additional information (e.g., checklists, studies, analyses, etc.) are included, as appropriate, in the ERR.

Preparer Name

Preparer Signature

Date

RE Certifying Officer Name

RE Certifying Officer Signature

Date

FINDING OF EXEMPTION
For Specific Exempt Project Activities ([24 CFR §58.34](#))

Select one:

Some Project Activities are Exempt

Entire Project is Exempt

Project Name: _____ **Responsible Entity (RE):** _____

Project Location: _____ **CDBG Project #:** _____

Project Description: *(all project activities, including those funded by sources other than CDBG funding)*

The following activities have been determined Exempt in accordance with [24 CFR 58.34](#).

List all exempt activities by all funding sources.

Total Amount Of Funds For Exempt Activities: _____

As RE Certifying Officer, I understand the activities listed above are exempt from NEPA review requirements as specified at [58.34](#) and do not require a formal release of funds (environmental approval). I understand the RE may proceed with the above activities.

Preparer Name

Preparer Signature

Date

RE Certifying Officer Name

RE Certifying Officer Signature

Date

Environmental Assessment

[\[§ 58.36\]](#)

Project Name		CDBG Project Number <i>(IF FUNDED)</i>	
Responsible Entity/Grantee Location [24 CFR 58.2(a)(7)(ii)]		RE Telephone Number	
Certifying Officer [24 CFR 58.2(A)(2)]			
Name		Title	
Email			
Environmental Review Report Preparer			
Name		Email	
Address		Phone	
Project Location(s)/Address(es)			
Estimated Project Costs – All Funding Sources & Amounts			
Total Project Cost			
CDBG Funds		Other State Funds	
Local Cash Contribution		Federal Funds	
Private Contribution		In-Kind Contribution	
Responsible Entity Project Contact			
Name		Email	
Address		Phone	
Name of Grant <i>Subrecipient, If Applicable</i>		<input type="checkbox"/> NA	
Subrecipient Contact			
Name		Email	
Address		Phone	

Conditions of Approval: [24 CFR 58.40(d) and 58.71(b), 40 CFR 1505.2(c), and 40 CFR 1508.1(y)] - As appropriate: (List all mitigation and project modification measures, including permits, adopted by the Responsible Entity to eliminate or minimize adverse environmental impacts. These conditions must be included in project contracts and all relevant agreement documents.) Attach additional pages as necessary.

In the event that an inadvertent discovery of potentially relevant cultural sites, objects, etc., occurs the project will be immediately halted and the proper authorities will be contacted.

If any solid or hazardous waste is found during demolition of structures, the work will be stopped and the proper authorities will be contacted.

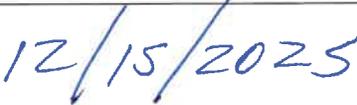
All structures will be inspected for asbestos containing materials by a licensed and certified professional.

All asbestos containing components will be abated by a licensed and certified removal firm prior to demolition.

Determination

- Finding of No Significant Impact (FONSI)**
The Project will not result in a significant impact on the quality of the human environment
- Finding of No Significant Impact (FONSI) with Conditions for Approval**
The project will not result in a significant impact on the quality of the human environment. Mitigation and project modification measures, as listed under "Conditions for Approval," will be adopted by the Responsible Entity to eliminate or minimize adverse environmental impacts.
- Finding of Significant Impact**
The project may significantly affect the quality of the human environment. The project must be rejected unless the Responsible Entity completes an Environmental Impact Statement.

In my capacity as Environmental Preparer as designated by the Responsible Entity, I hereby attest that the Environmental Assessment document is true and complete to the best of my knowledge and supports the finding above.

			
Preparer Signature		Date	
Lisa Colson		Executive Director	
Print Preparer's Name		Preparer's Title	
Green Hills Regional Planning Commission			
Preparer's Agency (If Different from RE)			

Description of the Project: [\[24 CFR 58.32, 40 CFR 1508\(kk\)\]](#) Provide a project description that captures the maximum anticipated scope of the proposed project with as much detail as possible, including the number of units affected, and the types of activities involved. It should include all contemplated actions that logically are, either geographically or functionally, a composite part of the project, regardless of funding source. Include the total project cost, including HUD funds, state and local funds, funds from other federal agencies, and private funds. Describe all physical aspects of the project, such as plans for multiple phases of development, size, and number of buildings, and activities to be undertaken. Include details of the physical impacts of the project, including whether there will be ground disturbance. If applicable, indicate whether the project site will require acquisition.

Statement of Purpose and Need for the Proposal: [\[40 CFR 1501.5\(c\)\(2\)\(i\)\]](#) Explain the underlying purpose and need that the project addresses in the proposed action and its alternatives. Describe how the proposed action is intended to address infrastructure, housing, and/or community development needs.

Existing Conditions and Trends: [\[24 CFR 58.40\(a\)\]](#) Determine existing conditions and describe the character, features and resources of the project area and its surroundings; identify the trends that are likely to continue in the absence of the project.

Examination of Project Alternatives: [\[24 CFR 58.40\(d\) & \(e\)\]](#) Examine and recommend feasible ways in which the project or external factors relating to the project could be modified in order to eliminate or minimize adverse environmental impacts. Include environmental impacts of the alternatives. Identify other reasonable courses of action that were considered and not selected, such as other sites, design modifications, or other uses of the subject site. Include the benefits and adverse impacts to the environment for each alternative and the reasons (e.g. economic, engineering, or others) for rejecting it.

No Action Alternative: [\[24 CFR 58.40\(d\) & \(e\)\]](#) Identify the "no action" alternative, describing the most likely conditions expected to exist in the future absence of any action.

List of Agencies Contacted: [\[24 CFR 58.40\(e\)\]](#) List all Federal and State Agencies and Tribes consulted during the environmental review process.

Public Outreach: [\[24 CFR 50.23 & 58.43\]](#) Describe any public meetings and hearings that were held. Attach meeting minutes, meeting attendance roster, proof of publication and posting.

SIGN-IN-SHEET
PUBLIC HEARING
THE CITY OF CHILLICOTHE

Monday, August 12, 2024, 10:00 am. City Hall, 715 Washington Street, Chillicothe MO, 64601.

1. Johnna Tuttle 20. _____
2. Rebecca Hampton 21. _____
3. Tina Pittman - BHP 22. _____
4. Amber 23. _____
5. Heather Gates 24. _____
6. Theresa Kelly 25. _____
7. Mary 26. _____
8. Omia Dely 27. _____
9. Unssa Dala 28. _____
10. _____ 29. _____
11. _____ 30. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____

Public Hearing
Demolition Project
Monday, August 12, 2024, 10:00 A.M.

MINUTES

The City of Chillicothe held a public hearing Monday, August 12, 2024, at 10:00 A.M. at City Hall in Chillicothe, Missouri. The city had a hearing to discuss a Demolition Grant and answer any questions citizens may have.

At 10:00 A.M., the meeting was opened, an introduction was made and information regarding a demolition grant was presented. We had nine people present during the public hearing.

During the meeting, a community needs assessment was completed. The demolition projects was discussed and all questions answered. The meeting ended at approximately 10:42 A.M.



Chillicothe City Clerk

CITY OF CHILLICOTHE

PUBLIC HEARING NOTICE

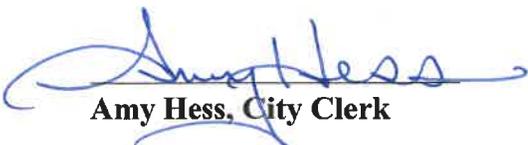
The City of Chillicothe will hold a public hearing on August 12, 2024, at 10AM at City Hall located at 715 Washington Street, Chillicothe, MO in the Council Chambers to discuss the city submission of a competitive cycle application for the fiscal year 2023/2024 Community Development Block Grant (CDBG) demolition program. The city is interested in obtaining all citizens' input on community development needs within the city. As part of the hearing process citizens will be asked to verbally assist in the completion of a Needs Assessment document. The document will detail what the residents feel are the strengths and weaknesses of the community. The city needs as much local participation as possible in order to reflect the true desires of the community as a whole, as well as the comments relating to the proposed project application. The State has established a maximum application request for each funding category.

Activities that are eligible for funding include the improvements of Community Facilities, Demolition, General Infrastructure, and others allowed by law. At least 51% of the funds must be used to benefit low-and-moderate income people. NO displacement of persons is anticipated. The city is proposing to demolish dilapidated houses within city limits. The area to be addressed is bounded within the city limits of Chillicothe and the total project cost is estimated at \$251,000.00. The city proposes to contribute up to \$25,000 in cash, \$22,500 in-kind labor by city crews, with grant funds of \$203,500 needed to make up the balance. The project, if funded, will eliminate slum and blight. All citizens, including those interested in demolition, are encouraged to attend to comment on the proposed activities.

For more information on the proposed project, contact Amy Hess at 660-646-1877 or by email at cityclerk@chillicothecity.org. If you need special accommodations for the public hearing, including LEP assistance, please contact Amy Hess by August 9, 2024 at 1pm. The meeting will be held at an accessible location and the city will make every effort possible to provide reasonable accommodation.

Date posed; August 5, 2024

Location: Facebook, Bulletin Board inside of City Hall, and on the doors of City Hall



Amy Hess, City Clerk

Summary of Findings and Conclusions

Compliance Factors	Are compliance steps, mitigation, or permitting required?	<p style="text-align: center;">Compliance Determinations</p> <p>Identify the main points of analysis in the environmental review. The summary should include any potential impacts of the proposed project, both beneficial and potentially adverse. The summary must also discuss any changes to the proposal necessary to avoid significant impacts.</p>
Historic Properties	<p style="text-align: center;">YES NO</p>	
Flood Insurance	<p style="text-align: center;">YES NO</p>	
Floodplain Management	<p style="text-align: center;">YES NO</p>	
Wetland Protection	<p style="text-align: center;">YES NO</p>	
Coastal Zone Management	<p>There are no coastal zones in the state of Missouri (NOAA Coastal Management).</p>	
Airport Hazards	<p style="text-align: center;">YES NO</p>	
Endangered Species	<p style="text-align: center;">YES NO</p>	

Wild & Scenic Rivers	YES	NO	
Farmland Protection	YES	NO	
Noise Control	YES	NO	
Explosive & Flammable Hazards	YES	NO	
Water Quality	There are no Sole Source Aquifers in the state of Missouri (EPA Water Management Division, Region VII).		
Air Quality	YES	NO	
Contamination & Toxic Substances	YES	NO	
Environmental Justice	YES	NO	

Impact Summary

Impact: 1=minor beneficial

2= no impact anticipated

3= minor adverse

4= significant adverse

Environmental Assessment Factors	Impact Code	Impact Evaluation Describe the impact the project will have for each factor. Include a summary of all evaluations, consultations, permits, or approvals related to each factor. Describe the impact the factor will have on the project.
Climate Change Impact/Energy Efficiency		
Conformance with Plans/ Compatible Land Use & Zoning /Scale & Urban Design		
Soil Suitability/Slope/ Erosion/Drainage/Storm Water Runoff		
Hazards & Nuisances		
Employment & Income Patterns		
Demographic Character Changes, Displacement		

Environmental Justice		
Education & Cultural Facilities/Commercial Facilities/Health Care & Social Services		
Solid Waste Disposal/Recycling		
Wastewater/Sanitary Sewers/Water Supply		
Public Safety		
Parks, Open Space, and Recreation		
Transportation & Accessibility		

Related Laws and Authorities cited in [24 CFR 58.5](#)

(CEST and EA Level Review)

FIELD VISIT CHECKLIST & SITE EVALUATION

Date of Visit	Time	Weather Conditions
Grantee/Applicant		
Project Name		CDBG Project Number <i>(if funded)</i>
Project Location/Address		
Project Area Bounded By		
Site Dimensions		
Site Owner(s)		
Field Visit Conducted By		

Attach the following:

- Photographs of site and surrounding areas
 Maps (street, topographic, aerial, etc.)

Land Use/Zoning - check all that apply:

- | | | | |
|---------------------------------------|-------------------------------------|--|---|
| <input type="checkbox"/> Residential | <input type="checkbox"/> Retail | <input type="checkbox"/> Never Developed | <input type="checkbox"/> Light Industrial |
| <input type="checkbox"/> Recreational | <input type="checkbox"/> Commercial | <input type="checkbox"/> Heavy industrial | <input type="checkbox"/> Currently Farmed |
| <input type="checkbox"/> Forest | <input type="checkbox"/> Pasture | <input type="checkbox"/> Conservation Area | <input type="checkbox"/> Other _____ |

Description of Existing Conditions: (Explain in detail and attach additional pages as necessary.)

Site Features and Topography: (i.e., elevations, unique natural features, site slope, ravines, banks, mounds, caverns, cliffs, hills, depressions, erosion, sedimentation, drainage paths, etc.)

Describe Site Access – Ingress & Egress: (Ease of accessing/exiting site, traffic control, safety and line of site, etc.)

Interviews Conducted: (Include names and titles of interviewees)

Existing infrastructure on or near site - check all that apply and comment as appropriate:

Existing infrastructure on or near site	Current Quality or Condition of Existing Infrastructure					
	Unknown	Doesn't Exist	Good	Fair	Poor	Not Applicable
Unpaved Roads						
Paved Roads						
Sidewalks						
Crosswalks						
Curb and/or Guttering						
Ditches						
Parking Facilities						
Intersections						
Water lines						
Water Wells						
Bike/Pedestrian Lanes/Paths						
Electricity						
Traffic Signs						
Gas Lines						
Railroad Facilities/Tracks/Spurs						
Fencing/Security						
Culverts						
Drop Inlets						
Bridges						
Water Treatment Facility						
Sewer Treatment Facilities						
Septic Tanks and/or Systems						
Centralized Sewer System						
Street Lights						
Fire Hydrants						
911 Emergency System						
Traffic Lights						
Other: add additional text here						

Check all that exist on or in close proximity to the project site. The importance of the proximity depends on the nature of the project. Further evaluation and documentation may be warranted if there is potential for environment concerns.

Airport/Airport Clear Zones	Funeral Home	Paint Facilities
Ambulance Facility	Gas Station	Police Station
Animal Processing Plant	Grocery Store	Power Station/Transformer
Apartments/Multi-Family	Group Home	Printing Facilities
Arts/Cultural Center	Heavily Traveled Roads	Prison/Jail/Detention Center
Auto Repair Shop	Heavy/Light Manufacturing Fac.	Quarry
Bio-diesel Facility	Highways – Interstate/State	Recycling Facilities
Bus Stop/Station	Historical Sites/Buildings	Restaurants
Car Dealership	Hospitals	Retaining Walls
Cemeteries	Industrial Park	Rivers/ Streams/Creeks
Chemical Manufacturer	Lakes/Ponds	Schools
Churches	Library	Senior Center
Community Center	Low Income Housing	Senior Housing
Conservation Areas	Medical/Health Clinic	Sheltered Workshop
Current/Former/Proposed EPA Superfund Site	Museum	Shopping Centers
Daycare Center	Neighborhoods	Storage/Use of Explosives
Doctor’s Office/Health Clinic	Nursing Homes	Train Depot
Dry Cleaners	Office Buildings	Veterinary Clinic/Hospital
Ethanol Plant	Open Spaces	Youth Center
Fire Station	Parks/Playgrounds	

Contamination & Toxic Materials
Is there evidence of any of the following?

	SUBJECT PROPERTY	ADJOINING PROPERTIES
A. Is the property or any adjoining property currently used, or has evidence of prior use, as a gasoline station, motor vehicle repair facility, printing facility, dry cleaners, photo developing laboratory, junkyard, or as a waste treatment, storage, disposal, processing or recycling facility?	YES	YES
	NO	NO
	UNKNOWN	UNKNOWN
B. Are there any damaged or discarded automobile(s), automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers greater than 5 gal in volume or 50 gal in the aggregate, stored on or used at the property or adjoining properties?	YES	YES
	NO	NO
	UNKNOWN	UNKNOWN
C. Are there any industrial drums (typically 55 gal) or sack of chemicals, herbicides or pesticides located on the property or adjoining properties?	YES	YES
	NO	NO
	UNKNOWN	UNKNOWN
D. Has fill dirt been brought onto the property or adjoining properties that originated from a suspicious site or that is of an unknown origin?	YES	YES
	NO	NO
	UNKNOWN	UNKNOWN
E. Are there any pits, ponds, or lagoons located on the property or adjoining properties in connection with waste treatment or waste disposal?	YES	YES
	NO	NO
	UNKNOWN	UNKNOWN
F. Is there any stained soil, distressed vegetation and/or discolored water on the property or adjoining properties?	YES	YES
	NO	NO
	UNKNOWN	UNKNOWN
G. Are there any storage tanks, aboveground or underground (other than residential), located on the property or adjoining properties within 1 mile of site?	YES	YES
	NO	NO
	UNKNOWN	UNKNOWN
H. Are there any vent pipes, fill pipes, or underground tank access ways visible on the property or adjoining properties	YES	YES
	NO	NO
	UNKNOWN	UNKNOWN
I. Are there any flooring, drains, walls, ceilings, or grounds on the property or adjoining properties stained by substances (other than water) or emitting noxious or foul odors of a chemical nature?	YES	YES
	NO	NO
	UNKNOWN	UNKNOWN

J. Is the property served by a private well or non-public water system? (If yes, a follow-up investigation is required to determine if contaminants have been identified in the well or system that exceeds guidelines applicable to the water system, or if the well has been designated contaminated by any government environmental/health agency.)

<input type="checkbox"/>	YES	<input type="checkbox"/>	YES
<input checked="" type="checkbox"/>	NO	<input checked="" type="checkbox"/>	NO
<input type="checkbox"/>	UNKNOWN	<input type="checkbox"/>	UNKNOWN

K. Has the owner or occupant of the property been informed of the existence of past or current hazardous substances or petroleum products or environmental violations with respect to the property or adjoining properties?

<input type="checkbox"/>	YES	<input type="checkbox"/>	YES
<input checked="" type="checkbox"/>	NO	<input checked="" type="checkbox"/>	NO
<input type="checkbox"/>	UNKNOWN	<input type="checkbox"/>	UNKNOWN

L. Do the property or adjoining properties discharge wastewater (not including sanitary waste or storm water) onto the property or adjoining properties and/or into a storm water system?

<input type="checkbox"/>	YES	<input type="checkbox"/>	YES
<input checked="" type="checkbox"/>	NO	<input checked="" type="checkbox"/>	NO
<input type="checkbox"/>	UNKNOWN	<input type="checkbox"/>	UNKNOWN

M. Is there a transformer, capacitor, or any hydraulic equipment on the property or adjoining properties that are not marked as "non-PCB"?

<input type="checkbox"/>	YES	<input type="checkbox"/>	YES
<input checked="" type="checkbox"/>	NO	<input checked="" type="checkbox"/>	NO
<input type="checkbox"/>	UNKNOWN	<input type="checkbox"/>	UNKNOWN

If answering "Yes" or "Unknown" to any above items, explain and describe the conditions. Use photographs and maps to mark and identify conditions. Attach additional documentation or information, as needed.

Structures have been vacant for some time. City code enforcement has inspected the interior of the structures and there is no evidence of hazardous materials present. There are no wells or underground storage tanks on the locations.

Is further evaluation warranted for determining the presence of contamination? YES NO

Preparer of this form must complete the following required information.

Lisa Colson <small>Inspection completed by (name)</small>	810 Washington Trenton, MO 64683 <small>Address</small>
Executive Director <small>Title</small>	lisa@ghrpc.org <small>Email</small>
Green Hills Regional Planning Commission <small>Agency</small>	660-359-5636 <small>Phone Number</small>

Preparer represents that to the best of his/her knowledge the above statements and facts are true and correct and to the best of his/her actual knowledge no material facts have been suppressed, omitted or misstated.

Signature 	Date: 7/15/2025
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DETERMINATION TO CONSULT WITH TRIBES UNDER SECTION 106

RE Name:	
Project Name:	
CDBG Project Number: <i>(If Funded)</i>	Project Location/Address:

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

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 view shed 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 sky glow 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 archaeological 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 applies.

Prepared By:

Date:



Tribal Directory Assessment Information



Contact Information for Tribes with Interests in Livingston County, Missouri

Tribal Name				County Name		
- Apache Tribe of Oklahoma				Livingston		
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Email Address	URL
Durell Cooper	Chairman	511 East Colorado, Anadarko, OK - 73005	(405) 247-9493	(405) 247-2763	durrell.cooper@apachetribe.org	http://www.apachetribe.org/
- Osage Nation				Livingston		
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Email Address	URL
Andrea A. Hunter	Director and THPO	N/A, Pawhuska, OK - 74056	(918) 287-5328	(918) 287-5376	s106@osagenation-nsn.gov	https://www.osageculture.com/culture/historic-preservation-office
1 - 2 of 2 results						« < 1 > » 10 ▾



City of Chillicothe
715 Washington St.
Chillicothe, MO 64601
660-646-2267
Fax: 660-646-6811

Request for Review & Comment

September 17, 2025

Apache Tribe of Oklahoma
Durell Cooper, Chairman
511 East Colorado
Anadarko, OK 73005

durell.cooper@apachetribe.org

VIA ELECTRONIC MAIL

Re: Chillicothe Demolition Grant, Chillicothe, Missouri 64601. Funding Agency: U. S. Department of Housing and Urban Development.

Dear Chariman Cooper:

The City of Chillicothe, Missouri (City) has been awarded funding from U.S. Department of Housing and Urban Development (HUD) to assist with our demolition project through the State-administered Community Development Block Grant Program (CDBG). CDBG funds are granted to the Missouri Department of Economic Development (DED) by HUD. An environmental review is required pursuant to the National Environmental Policy Act (NEPA) and environmental regulation, 24 CFR Part 58. The City would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

The city proposes to demolish 17 dilapidated residential structures and 1 dilapidated commercial structure to remove the slum and blight effecting the health and safety of our neighborhoods within the corporate city limits. All structures will be tested for asbestos containing material by a certified asbestos inspector and any asbestos containing material will be abated by a certified firm. All debris resulting from asbestos abatement and demolition activity will be transported to the appropriate landfill. The city will seed and mulch the locations after the demolitions are completed.

Enclosed you will find the following items:

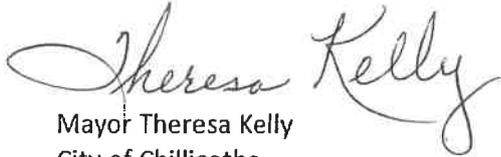
- Color photos of each structure
- Map of the project area with demolition locations marked
- Floodplain Map with demolition locations noted
- Wetlands map
- Topographic Map
- Section 106 Letter from Missouri SHPO

Please provide written comments and/or recommendations for any mitigation measures by within 30 days.

Should any significant changes be proposed to the location and/or scope of the proposed project, you will be notified in writing prior to the initiation of any construction activities for the opportunity to review and comment.

Please contact me at (660-646-2247) or by e-mail at cityclerk@chillicothe-city.org if you have any questions or require additional information. If you require more time for review of this project, have questions, or would like more information, please contact the environmental review preparer Ms. Lisa Colson by e-mail at lisa@ghrpc.org or by phone at 660-359-5636 ext. 0. Thank you for your interest and assistance

Sincerely,



Theresa Kelly

Mayor Theresa Kelly
City of Chillicothe

Letter in reference to Chillicothe Demolition Grant



City Clerk <cityclerk@chillicothe-city.org>

To: durrell.cooper@apachetribe.org

Reply, Reply All, Forward, Share to Teams, More options

Thu 9/18/2025 1:36 PM

Letter to Apache Tribe of Oklahoma 9-17-2025.pdf
578 KB

NEPA Review Documents (002).pdf
20 MB

Dear Mr. Durrell Cooper,

Please see the attached letter and NEPA Review Documents in reference to the Chillicothe Demolition Grant.

Best Regards,

Amy Hess



City Clerk
Chillicothe City Hall
715 Washington St.
Chillicothe, MO 64601
Phone: 660-646-1877
Fax: 660-646-6811



City of Chillicothe
715 Washington St.
Chillicothe, MO 64601
660-646-2267
Fax: 660-646-6811

Request for Review & Comment
September 17, 2025

Osage Nation
Dr. Andrea A. Hunter, Director and THPO Historic
Preservation Office
100 W. Main
Pawhuska, OK 74056
S106@osagenation-nsn.gov
VIA ELECTRONIC MAIL

Re: Chillicothe Demolition Grant, Chillicothe, Missouri 64601. Funding Agency: U. S. Department of Housing and Urban Development.

Dear Dr. Hunter:

The City of Chillicothe, Missouri (City) has been awarded funding from U.S. Department of Housing and Urban Development (HUD) to assist with our demolition project through the State-administered Community Development Block Grant Program (CDBG). CDBG funds are granted to the Missouri Department of Economic Development (DED) by HUD. An environmental review is required pursuant to the National Environmental Policy Act (NEPA) and environmental regulation, 24 CFR Part 58. The City would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

The city proposes to demolish 17 dilapidated residential structures and 1 dilapidated commercial structure to remove the slum and blight effecting the health and safety of our neighborhoods within the corporate city limits. All structures will be tested for asbestos containing material by a certified asbestos inspector and any asbestos containing material will be abated by a certified firm. All debris resulting from asbestos abatement and demolition activity will be transported to the appropriate landfill. The city will seed and mulch the locations after the demolitions are completed.

Enclosed you will find the following items:

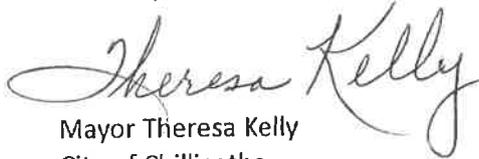
- Color photos of each structure
- Map of the project area with demolition locations marked
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- Topographic Map
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Please provide written comments and/or recommendations for any mitigation measures by within 30 days.

Should any significant changes be proposed to the location and/or scope of the proposed project, you will be notified in writing prior to the initiation of any construction activities for the opportunity to review and comment.

Please contact me at (660-646-2247) or by e-mail at cityclerk@chillicothecity.org if you have any questions or require additional information. If you require more time for review of this project, have questions, or would like more information, please contact the environmental review preparer Ms. Lisa Colson by e-mail at lisa@ghrpc.org or by phone at 660-359-5636 ext. 0. Thank you for your interest and assistance

Sincerely,

A handwritten signature in cursive script that reads "Theresa Kelly". The signature is written in black ink and is positioned above the typed name and title.

Mayor Theresa Kelly
City of Chillicothe



Letter in reference to Chillicothe Demolition Grant

From City Clerk <cityclerk@chillicothe-city.org>

Date Fri 9/19/2025 11:37 AM

To s106@osagenation-nsn.gov <s106@osagenation-nsn.gov>

Dr. Ander A. Hunter,

Please see the links below in reference to the Chillicothe Demolition Grant.

<https://acrobat.adobe.com/id/urn:aaid:sc:VA6C2:9ba93aa3-49b0-4712-a250-04005012ee36> – Letter to Osage Nation 9-17-2025

<https://acrobat.adobe.com/id/urn:aaid:sc:VA6C2:8505f233-ca87-4e15-8954-e499277e252a> – NEPA Review Documents

Best regards,

Amy Hess



City Clerk
Chillicothe City Hall
715 Washington St.
Chillicothe, MO 64601
Phone: 660-646-1877
Fax: 660-646-6811

October 29, 2025

VIA ELECTRONIC MAIL

Osage Nation

Dr. Andrea A. Hunter, Director and THPO Historic

Preservation Office

100 W.Main

Pawhuska, OK 74056

S106@osagenation-nsn.gov

Re: Chillicothe Demolition Grant, Chillicothe, Missouri 64601. Funding Agency: U.S. Department of Housing and Urban Development.

Dear Dr. Hunter,

Thank you for providing a response and an update on the status of your review. We understand that federal regulations do not provide an explicit timeframe for responses during tribal consultation, and HUD requires that grantees provide a reasonable amount of time for consultation with all interested parties, including Tribal Nations. HUD has provided guidance that their interpretation for a "reasonable" amount of time following no response from Tribal Nations, is 30-45 days from the last date of consultation, which last occurred for this project on September 17, 2025. This does not mean, however, that the Osage Nation is prevented from providing feedback after the consultation period. It is our intent to make all reasonable accommodations based on any additional environmental, historic, cultural, and religious significance conditions that are identified during the project, including those which may result from consultations with interested parties, including Tribal Nations.

In order to ensure that this project may be reasonably completed within the period of performance as established by our grant agreement, we intend to issue the FONSI as a courtesy, on or around November 12, 2025. If we have not received comment from your office by that time, we will proceed with the project as outlined. Regardless, we would appreciate the results of any analysis from your office once it is available so that it may be incorporated into the project's Environmental Review Record and Conditions of Approval amended, as feasible. We truly appreciate any feedback you may provide related to this project.

Sincerely,



Mayor Theresa Kelly
City of Chillicothe

October 29, 2025

VIA ELECTRONIC MAIL

Apache Tribe of Oklahoma
Durell Cooper, Chairman
511 East Colorado
Anadarko, OK 73005
durell.cooper@apachetribe.org

Re: Chillicothe Demolition Grant, Chillicothe, Missouri 64601. Funding Agency: U.S. Department of Housing and Urban Development.

Dear Chairman Cooper,

Thank you for providing a response and an update on the status of your review. We understand that federal regulations do not provide an explicit timeframe for responses during tribal consultation, and HUD requires that grantees provide a reasonable amount of time for consultation with all interested parties, including Tribal Nations. HUD has provided guidance that their interpretation for a "reasonable" amount of time following no response from Tribal Nations, is 30-45 days from the last date of consultation, which last occurred for this project on September 17, 2025. This does not mean, however, that the Apache Tribe of Oklahoma is prevented from providing feedback after the consultation period. It is our intent to make all reasonable accommodations based on any additional environmental, historic, cultural, and religious significance conditions that are identified during the project, including those which may result from consultations with interested parties, including Tribal Nations.

In order to ensure that this project may be reasonably completed within the period of performance as established by our grant agreement, we intend to issue the FONSI as a courtesy, on or around November 12, 2025. If we have not received comment from your office by that time, we will proceed with the project as outlined. Regardless, we would appreciate the results of any analysis from your office once it is available so that it may be incorporated into the project's Environmental Review Record and Conditions of Approval amended, as feasible. We truly appreciate any feedback you may provide related to this project.

Sincerely,



Theresa Kelly

Mayor Theresa Kelly
City of Chillicothe



Letter in reference to Chillicothe Demolition Grant

From City Clerk <cityclerk@chillicothe-city.org>

Date Wed 10/29/2025 1:57 PM

To s106@osagenation-nsn.gov <s106@osagenation-nsn.gov>

 1 attachment (383 KB)

Letter to Osage Nation 10-29-2025.pdf;

Dear Mr. Hunter,

Please see the attached letter in reference to the Chillicothe Demolition Grant, Chillicothe, Missouri 64601.

Thank you!

Amy Hess



City Clerk
Chillicothe City Hall
715 Washington St.
Chillicothe, MO 64601
Phone: 660-646-1877
Fax: 660-646-6811

Letter in reference to Chillicothe Demolition Grant

From City Clerk <cityclerk@chillicothe-city.org>
Date Wed 10/29/2025 1:57 PM
To s106@osagenation-nsn.gov <s106@osagenation-nsn.gov>

 1 attachment (383 KB)
Letter to Osage Nation 10-29-2025.pdf;

Dear Mr. Hunter,

Please see the attached letter in reference to the Chillicothe Demolition Grant, Chillicothe, Missouri 64601.

Thank you!

Amy Hess



City Clerk
Chillicothe City Hall
715 Washington St.
Chillicothe, MO 64601
Phone: 660-646-1877
Fax: 660-646-6811



Letter in reference to the Chillicothe Demolition Grant

From City Clerk <cityclerk@chillicothe-city.org>

Date Wed 10/29/2025 2:00 PM

To durell.cooper@apachetribe.org <durell.cooper@apachetribe.org>

 1 attachment (380 KB)

Letter to Apache Tribe of Oklahoma 10-29-25.pdf;

Dear Chairman Cooper,

Please see the attached letter in reference to the Chillicothe Demolition Grant, Chillicothe, Missouri 64601.

Thank you,

Amy Hess



City Clerk
Chillicothe City Hall
715 Washington St.
Chillicothe, MO 64601
Phone: 660-646-1877
Fax: 660-646-6811



Osage Nation Historic Preservation Office

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Date: November 13, 2025

File: 2425-8877MO-9

City of Chillicothe
Theresa Kelly
715 Washington St.
Chillicothe, MO 64601
cityclerk@chillicothe-city.org

RE: HUD, City of Chillicothe, Demo of 18 props, Chillicothe, Livingston County, MO

SENT VIA EMAIL

Dear Mayor Kelly,

The Osage Nation Historic Preservation Office (ONHPO) has evaluated your submission for the proposed HUD, City of Chillicothe, Demo of 18 props, Chillicothe, Livingston County, MO . The ONHPO is not aware of, but has a general concern for, any burials (graves, mounds, cairns), prehistoric districts, sites, or objects included in or eligible for inclusion in the National Register of Historic Places (36 CFR § 800.16(l)) or that have not been evaluated pursuant to 36 CFR § 800.4(c) in consultation with the Osage Nation that may be located within the area of potential effects (APE). **If any are identified within the APE during any identification efforts conducted for the proposed project, including background research and cultural resource surveys, the Osage Nation requests to be notified and provided with all relevant CRS reports and correspondence of the State Historic Preservation Office (SHPO), or affiliated reviewing state agency, for review and comment prior to the federal agency's approval of the proposed undertaking.** The Osage Nation, however, has no concern for **historic** graves unaffiliated with the Osage Nation or any identified historic archaeology sites that have no known connection to the Osage Nation. **There is no need to further notify or further consult with the Osage Nation regarding any such graves or non-Osage historic sites located in the project APE.**

In accordance with the National Historic Preservation Act, (NHPA) [54 U.S.C. § 300101 et seq.] 1966, undertakings subject to the review process are referred to in 54 U.S.C. § 302706 (a), which clarifies that historic properties may have religious and cultural significance to Indian tribes. Additionally, Section 106 of NHPA requires Federal agencies to consider the effects of their actions on historic properties (36 CFR Part 800) as does the National Environmental Policy Act (43 U.S.C. 4321 and 4331-35 and 40 CFR 1501.7(a) of 1969). **If no graves, historic properties, or cultural resources, as specified above, are identified within the APE during any identification efforts conducted for the proposed project, the Osage Nation concurs that the City of Chillicothe has fulfilled NHPA compliance by consulting with the Osage Nation Historic Preservation Office in regard to the proposed HUD, City of Chillicothe, Demo of 18 props, Chillicothe, Livingston County, MO .**

If artifacts or human remains are discovered during project-related activities, we ask that activities cease immediately and the Osage Nation Historic Preservation Office be contacted at 918-287-5328 within 48 hours of the discovery and prior to the resuming of project activities. Should you have any questions or need any additional information please feel free to contact Kathleen Kelley, MA at kathleen.kelley@osagenation-nsn.gov. Thank you for consulting with the Osage Nation on this matter.

Andrea A. Hunter, Ph.D.
Director, Tribal Historic Preservation Officer

Kathleen Kelley, MA
Archaeologist

HISTORIC PROPERTIES
[36 CFR Part 800 MO SHPO Website](#)

- | | | |
|---|-----|----|
| 1. Based on completion of the “Determination to Consult with Tribes” form, is consultation required? | YES | NO |
| 2. If “Yes,” are there Tribes with an interest in the county(ies) in which the project is to occur? If “Yes,” the Responsible Entity (rather than a consultant) must invite the tribes to consult directly. | YES | NO |
| 3. Has the SHPO been notified of the project and requested to provide comments? | YES | NO |
| 4. Is any property in the project listed on or eligible for the Missouri National Register of Historic Places (can also be accessed through NPS’s National Register of Historic Places)? | YES | NO |
| 5. Is the property located within or directly adjacent to a historic district? | YES | NO |
| 6. Does the property’s Area of Potential Effect (APE) include a historic district or property (including those that are listed and those that are eligible for inclusion in the National Register)? | YES | NO |
| 7. If fill material is required for the project, has SHPO been notified? | YES | NO |
| 8. Result of Section 106 Review: Attach Section 106 Compliance and Review Form , attachments, and correspondence | | |

Select all that apply below:

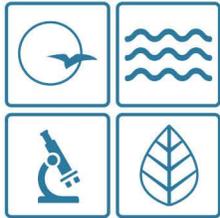
- Architectural Survey Completed
- Archaeological Survey Completed
- Memorandum of Agreement

Select one option below:

- No Historic Properties Affected**
- No Adverse Effect**
- Adverse Effect [Requires MOA or reject project]**

Explain all required mitigation measures resulting from the Section 106 review process:

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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, etc.)



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Michael L. Parson
Governor

Dru Buntin
Director

August 12, 2024

Lerissa Dolan
Green Hills Regional Planning Commission
810 Washington Street
Trenton, MO 64683

Re: SHPO Project Number: 003-LS-24 — Chillicothe Demolition Project – various locations, Chillicothe, Livingston County, Missouri (HUD/CDBG)

Dear Lerissa Dolan:

Thank you for submitting information to the State Historic Preservation Office (SHPO) regarding the above-referenced project for review pursuant to Section 106 of the National Historic Preservation Act, P.L. 89-665, as amended (NHPA), and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which require identification and evaluation of historic properties.

We have reviewed the information regarding the above-referenced project and have included our comments on the following page(s). Please retain this documentation as evidence of consultation with the Missouri SHPO under Section 106 of the NHPA. SHPO concurrence does not complete the Section 106 process as federal agencies will need to conduct consultation with all interested parties. **Please be advised that, if the current project area or scope of work changes, such as a borrow area being added, or cultural materials are encountered during construction, appropriate information must be provided to this office for further review and comment.**

If you have questions please contact the SHPO at (573)751-7858 or call/email Charles Horton (573) 526-4591, charles.horton@dnr.mo.gov. If additional information is required please submit the information via email to MOSection106@dnr.mo.gov.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

Dawn Scott
Director



August 12, 2024

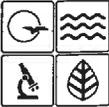
Lerissa Dolan

Page 2 of 2

SHPO Project Number: 003-LS-24 — Chillicothe Demolition Project – various locations, Chillicothe, Livingston County, Missouri (HUD/CDBG)

COMMENTS:

Adequate documentation has been provided as outlined in 36 CFR Section 800.11. After review of the initial submission, the project area has no known historic properties present and a low potential for the occurrence of cultural resources. SHPO concurs with your determination of **no historic properties affected**.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF STATE PARKS
STATE HISTORIC PRESERVATION OFFICE
REVIEW AND COMPLIANCE INFORMATION FORM (PAGE 1 OF 3)

FOR SHPO USE ONLY

SHPO PROJECT NUMBER	SHPO LOG NUMBER

Have you ever served on active duty in the Armed Forces of the United States and separated from such service under conditions other than dishonorable? YES NO

Submit one application for each project for which comment is requested. Consult the [Instructions for Completion of the Review and Compliance Information Form](#) when completing this application. Submission of a completed Review and Compliance Information Form with adequate information and attachments constitutes a request for review pursuant to Section 106 or 110 of the National Historic Preservation Act of 1966 (as amended). We reserve the right to request more information. **Please refer to the CHECKLIST on Page 3 to ensure that all basic information relevant to the project has been included.** For further information, refer to our website at <http://mostateparks.com/shpo> and follow the links to Section 106 Review.

NOTE: Section 106 regulations provide for a 30-day response time by the Missouri State Historic Preservation Office from the date of receipt.

I. REVIEW TYPE

Section 106 Section 110 Courtesy Review

II. SUBMISSION TYPE

New Submission Existing Project (Provide Existing Project Number)

Does this submission include a cultural resource investigation report? YES NO
 (If yes, you must include a [Cultural Resource Investigation Report Form](#))

Does this submission include architectural plans and/or construction documents (If yes, include them in your submission)? YES NO

Is this submission related to a programmatic agreement (PA) or memorandum of agreement (MOA)? YES NO
 If yes, provide PA or MOA Draft number _____ or MOA or PA Mitigation Stipulation number _____

III. PROJECT INFORMATION

PROJECT NAME (include any agency assigned project numbers and please do not include applicants' names)

Potential - Chillicothe Demolition Project

PROJECT DESCRIPTION (additional information may be provided in separate sheets)

Demolish delapidated houses. This county has many delapidated houses that need to be torn down. Attached you will find house pictures with address.

IV. PROJECT LOCATION

STREET ADDRESS

ALL AROUND THE TOWN

CITY	STATE	ZIP
Chillicothe	MO	64601

COUNTY	LATITUDE/LONGITUDE	SECTION	TOWNSHIP	RANGE
Livingston				

V. PROJECT CONTACT INFORMATION

PROJECT CONTACT NAME	PROJECT CONTACT ORGANIZATION
Lerissa Dolan	Green Hills Regional Planning Commission

PROJECT CONTACT EMAIL	PHONE (EXT.)
lerissa@ghrpc.org	660-359-5636 ext 19

STREET ADDRESS
810 Washington Street

CITY	STATE	ZIP
Trenton	MO	64683

VI. FEDERAL INVOLVEMENT

Does this project involve approval, funding, permit, or license from a federal agency or involve federal land or property? YES (Please complete this section) NO (Skip to next section)

FEDERAL AGENCY	FEDERAL PROGRAM, FUNDING, OR PERMIT TYPE
Community Development Block Grant (HUD/CDBG)	

FEDERAL AGENCY CONTACT PERSON	EMAIL	PHONE
Lyric Stotler	Lyric.Stotler@ded.mo.gov	(573) 751-2028



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF STATE PARKS
STATE HISTORIC PRESERVATION OFFICE
REVIEW AND COMPLIANCE INFORMATION FORM (PAGE 2 OF 3)

VII. CONTACTS FOR CC (please indicate all individuals to Cc for SHPO response letter)

CONTACT NAME Lerissa Dolan	ORGANIZATION Green Hills Regional Planning Commissic	EMAIL lerissa14@gmail.com
CONTACT NAME	ORGANIZATION	EMAIL
CONTACT NAME	ORGANIZATION	EMAIL

VIII. IDENTIFICATION OF HISTORIC PROPERTIES: ARCHAEOLOGY

Does this project involve ground-disturbing activity (including staging and borrow areas)? YES (Please complete this section) NO WILL SUBMIT LATER

DESCRIBE THE NATURE OF GROUND-DISTURBING ACTIVITY, INCLUDING BUT NOT LIMITED TO DEPTH, WIDTH, AND LENGTH
Possibly, taring down old houses

DESCRIBE THE PREVIOUS AND CURRENT LAND USE, CONDITIONS, AND DISTURBANCES
Residential Homes

Will the project require fill material? YES (If yes, indicate borrow areas on project area map) NO

Are you aware of archaeological sites on or adjacent to the project area? YES (If yes, indicate all archaeological sites on project area map) NO

IX. IDENTIFICATION OF HISTORIC PROPERTIES: BUILDINGS AND STRUCTURES

Does the project area or APE include buildings, structures, objects, or designed landscape features (such as parks or cemeteries)? YES (Please complete this section and provide a map showing resource locations) NO (Skip to next section)

ADDRESS AND RESOURCE NAME OR NUMBER	DATE OF CONSTRUCTION	DATES OF ADDITIONS

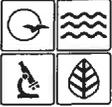
If there are more resources include a separate page identifying this information.

Is the project area or APE within or adjacent to a property or district that is listed in or eligible for listing in the National Register of Historic Places? YES NO UNKNOWN

X. DETERMINATION OF EFFECT

No Historic Properties Affected
 Historic Properties Will Be Affected and the Project Will (Check One):
 Have **NO ADVERSE EFFECT** on Historic Properties within the area of potential effects (APE). Have an **ADVERSE EFFECT** on One or More Historic Properties in the APE and the Federal Agency, or Federally Authorized Representative, will Consult with the SHPO and Other Parties to Resolve the Adverse Effect Under CFR 800.6.

BASIS FOR DETERMINATION OF EFFECT



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF STATE PARKS
STATE HISTORIC PRESERVATION OFFICE
REVIEW AND COMPLIANCE INFORMATION FORM (PAGE 3 OF 3)

XI. ADDITIONAL REQUIREMENTS

Map Requirements: Attach a map depicting the project area, and, if necessary, a large scale project map. If project involves ground disturbance, the project footprint must be clearly delineated on the map. Please do not send an individual map with each structure or site. While a topographic map is preferred, other styles of maps are acceptable.

Photography requirements: Recent photographs of the complete exterior elevations of the building(s). **Good quality photographs are important for expeditious project review.** Our office does not accept images from online image servers (e.g., Google Earth or Maps) due to the time elapsed between the image capture and the project date. Photographs of neighboring or nearby buildings should also be submitted. All photographs should be labeled and keyed to a map of the project area. Images should be at a minimum of 300 pixels per inch or 1200 x 1800 pixels. Please provide clear recent photographs to aid in the assessment of effects for this project.

CHECKLIST: DID YOU PROVIDE THE FOLLOWING INFORMATION?

- | | |
|---|--|
| <input checked="" type="checkbox"/> Project area map (per project, not structure) | <input checked="" type="checkbox"/> Other supporting documents (if necessary to explain the document) |
| <input type="checkbox"/> Thorough project description detailing all aspects of project | <input type="checkbox"/> For new construction, rehabilitations, etc., attach work write-ups, plans, drawings, etc. |
| <input checked="" type="checkbox"/> Photographs of all structures and overview photographs for archaeology (Note: all photographs should be labeled and keyed to one map of the project area) | <input type="checkbox"/> Dates of construction of structures in project area |

Return this form and attachments to: MOSection106@dnr.mo.gov with the following subject heading format: "Review Request – (SHPO Project Number (if previously assigned), Project Title and/or Address)." Please note that our system cannot receive emails exceeding 10 MB in size. If your submission contains large files, you may provide this information to our office via a large-file transfer service such as your organization's FTP system, Dropbox, Google Drive, etc. If your organization does not have access to a large-file transfer service you may request that SHPO sends you an FTP upload request from the State of Missouri system by checking the box below:

- APPLICANT IS REQUESTING AN FTP UPLOAD LINK BE SENT TO THE FOLLOWING EMAIL ADDRESS

FOR SHPO USE ONLY

REVIEWER 1 NAME	DATE
REVIEWER 2 NAME	DATE

SURVEY ACREAGE

NUMBER OF ELIGIBLE PROPERTIES

NUMBER OF NOT ELIGIBLE PROPERTIES

ARCHAEOLOGY REVIEW DETERMINATION

- | | | | | |
|-------------------------------|------------------------------------|----------------------------------|--|---------------------------------|
| <input type="checkbox"/> NHPA | <input type="checkbox"/> More Info | <input type="checkbox"/> Survey | <input type="checkbox"/> PA | <input type="checkbox"/> Other: |
| <input type="checkbox"/> NAE | <input type="checkbox"/> NRN | <input type="checkbox"/> Monitor | <input type="checkbox"/> ATF | |
| <input type="checkbox"/> AE | <input type="checkbox"/> Email | <input type="checkbox"/> MOA | <input type="checkbox"/> Continue to Consult | |

ARCHITECTURE REVIEW DETERMINATION:

- | | | | | |
|-------------------------------|------------------------------------|----------------------------------|--|---------------------------------|
| <input type="checkbox"/> NHPA | <input type="checkbox"/> More Info | <input type="checkbox"/> Survey | <input type="checkbox"/> PA | <input type="checkbox"/> Other: |
| <input type="checkbox"/> NAE | <input type="checkbox"/> NRN | <input type="checkbox"/> Monitor | <input type="checkbox"/> ATF | |
| <input type="checkbox"/> AE | <input type="checkbox"/> Email | <input type="checkbox"/> MOA | <input type="checkbox"/> Continue to Consult | |

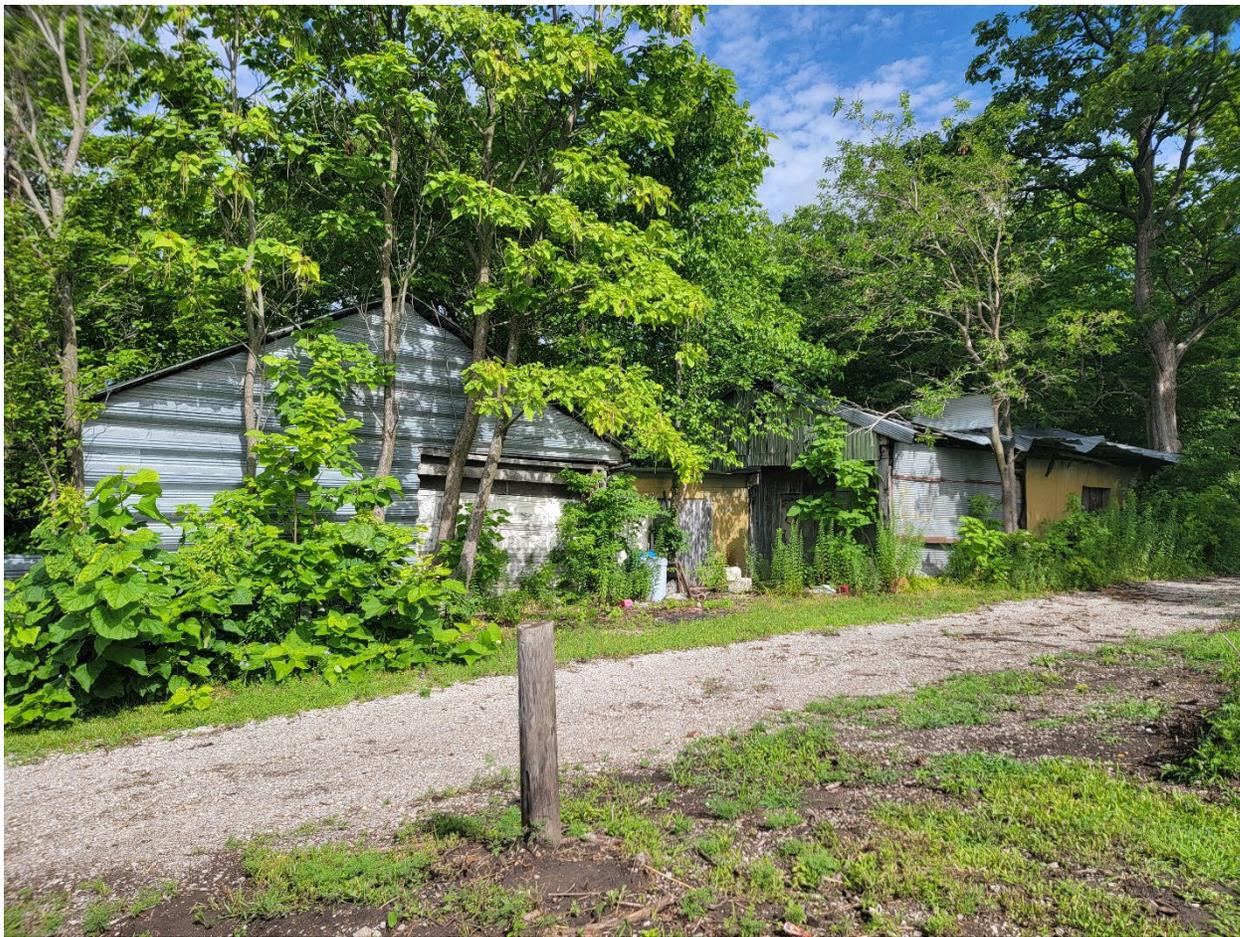
STAFF COMMENTS



HOUSE #1

201 Asher, Chillicothe MO





HOUSE #2 - Extra Large Old Garage – Tin siding all around

207 Asher, Chillicothe, MO





HOUSE #3 - 200 Liberia





HOUSE #4

415 Waples, Chillicothe, MO

Brown Trailer with add on in back.



BUILDING #5

1 Henry, Chillicothe, MO

Commercial Building, partial tare down.

Old MFA Building,



BUILDING #5





HOUSE #6

223 2nd Street, Chillicothe, MO

One Story Home, Possible Asbestos - \$9,000.00



HOUSE #7 - 631 Missouri, Chillicothe, MO





HOUSE #8

101 Webster, Chillicothe, MO

2 Story



HOUSE #9

336 Webster, Chillicothe, MO

2 Story – Large





HOUSE #10
343 Webster, Chillicothe MO
2 Story – Large





HOUSE #11

445 Webster, Chillicothe, MO

Extra Large 2 Story





HOUSE #12

822 Jefferson, Chillicothe MO





HOUSE #14

411 Reyhara, Chillicothe, MO





HOUSE #15

60 Wilson, Chillicothe, MO





HOUSE #16

720 Cowgill, Chillicothe, MO

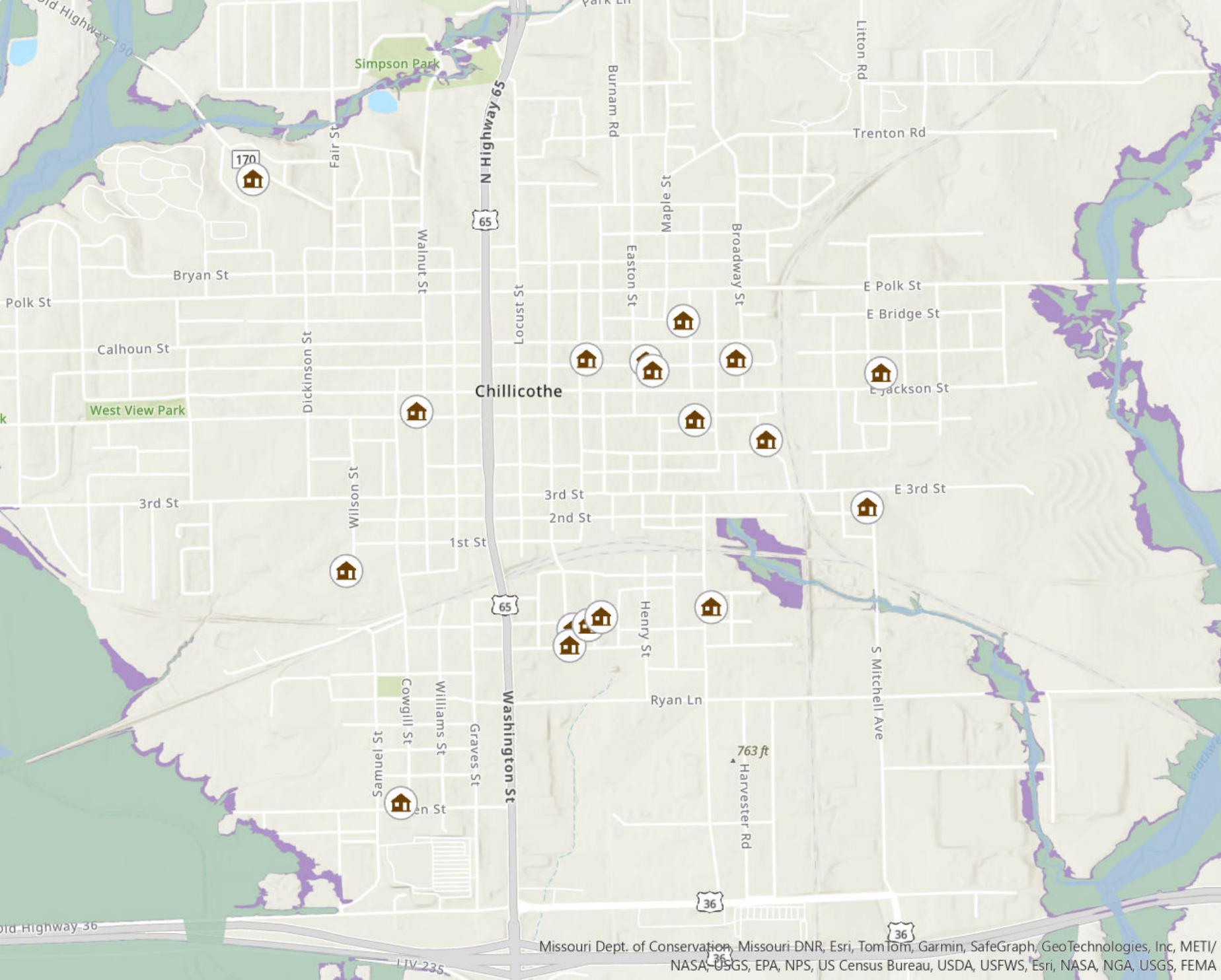


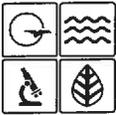


HOUSE #17

1502 Spring Hill, Chillicothe, MO







FOR SHPO USE ONLY

SHPO PROJECT NUMBER SHPO LOG NUMBER

Have you ever served on active duty in the Armed Forces of the United States and separated from such service under conditions other than dishonorable? YES NO

Submit one application for each project for which comment is requested. Consult the [Instructions for Completion of the Review and Compliance Information Form](#) when completing this application. Submission of a completed Review and Compliance Information Form with adequate information and attachments constitutes a request for review pursuant to Section 106 or 110 of the National Historic Preservation Act of 1966 (as amended). We reserve the right to request more information. **Please refer to the CHECKLIST on Page 3 to ensure that all basic information relevant to the project has been included.** For further information, refer to our website at <http://mostateparks.com/shpo> and follow the links to Section 106 Review.

NOTE: Section 106 regulations provide for a 30-day response time by the Missouri State Historic Preservation Office from the date of receipt.

I. REVIEW TYPE

Section 106 Section 110 Courtesy Review

II. SUBMISSION TYPE

New Submission Existing Project (Provide Existing Project Number) 003-LS-24

Does this submission include a cultural resource investigation report? YES NO
(If yes, you must include a [Cultural Resource Investigation Report Form](#))

Does this submission include architectural plans and/or construction documents (If yes, include them in your submission)? YES NO

Is this submission related to a programmatic agreement (PA) or memorandum of agreement (MOA)? YES NO
If yes, provide PA or MOA Draft number _____ or MOA or PA Mitigation Stipulation number _____

III. PROJECT INFORMATION

PROJECT NAME (include any agency assigned project numbers and please do not include applicants' names)

Chillicothe Demolition Project

PROJECT DESCRIPTION (additional information may be provided in separate sheets)

The city of Chillicothe was awarded MO DED CDBG funds to demolish dilapidated structures. 16 structures previously reviewed by SHPO. This review is an additional dilapidated house at 502 Walnut sent for review in case the city has remaining grant funds to remove another structure.

IV. PROJECT LOCATION

STREET ADDRESS

502 Walnut

CITY	STATE	ZIP
Chillicothe	MO	64601

COUNTY	LATITUDE/LONGITUDE	SECTION	TOWNSHIP	RANGE
Livingston	39deg 47' 33"N/93 deg 33' 22"W	36	58 N	24W

V. PROJECT CONTACT INFORMATION

PROJECT CONTACT NAME	PROJECT CONTACT ORGANIZATION
Lisa Colson	Green Hills Regional Planning Commission

PROJECT CONTACT EMAIL	PHONE (EXT.)
lisa@ghrpc.org	660-359-5636 ext. 0

STREET ADDRESS
810 Washington

CITY	STATE	ZIP
Trenton	MO	64683

VI. FEDERAL INVOLVEMENT

Does this project involve approval, funding, permit, or license from a federal agency or involve federal land or property? YES (Please complete this section) NO (Skip to next section)

FEDERAL AGENCY	FEDERAL PROGRAM, FUNDING, OR PERMIT TYPE
Department of Housing and Urban Development (HUD)	MO DED CDBG Program

FEDERAL AGENCY CONTACT PERSON	EMAIL	PHONE
Joe Scanning	joseph.sanning@ded.mo.gov	(573) 751-1830



**STATE HISTORIC PRESERVATION OFFICE
REVIEW AND COMPLIANCE INFORMATION FORM (PAGE 2 OF 3)**

VII. CONTACTS FOR CC (please indicate all individuals to Cc for SHPO response letter)

CONTACT NAME Hannah Carrico	ORGANIZATION MO DED CDBG - Environmental	EMAIL hannah.carrico@ded.mo.gov
CONTACT NAME lisa@ghrpc.org	ORGANIZATION Green Hills Regional Planning Commissio	EMAIL lisa@ghrpc.org
CONTACT NAME	ORGANIZATION	EMAIL

VIII. IDENTIFICATION OF HISTORIC PROPERTIES: ARCHAEOLOGY

Does this project involve ground-disturbing activity (including staging and borrow areas)? YES (Please complete this section) NO WILL SUBMIT LATER

DESCRIBE THE NATURE OF GROUND-DISTURBING ACTIVITY, INCLUDING BUT NOT LIMITED TO DEPTH, WIDTH, AND LENGTH
Heavy equipment will remove the structure including any basements or piers. Once demolition of debris is completed the contractor will use equipment to ensure the lot is level and provides proper drainage.

DESCRIBE THE PREVIOUS AND CURRENT LAND USE, CONDITIONS, AND DISTURBANCES
The structure is located in a residential neighborhood. The neighborhood lot has been previously disturbed by infrastructure improvements and preparing the location to construct a residential dwelling. Sidewalks, water, sewer and electric lines in addition to extensive dirtwork on the site to prepare for original housing construction.

Will the project require fill material? YES (If yes, indicate borrow areas on project area map) NO

Are you aware of archaeological sites on or adjacent to the project area? YES (If yes, indicate all archaeological sites on project area map) NO

IX. IDENTIFICATION OF HISTORIC PROPERTIES: BUILDINGS AND STRUCTURES

Does the project area or APE include buildings, structures, objects, or designed landscape features (such as parks or cemeteries)? YES (Please complete this section and provide a map showing resource locations) NO (Skip to next section)

ADDRESS AND RESOURCE NAME OR NUMBER	DATE OF CONSTRUCTION	DATES OF ADDITIONS

If there are more resources include a separate page identifying this information.

Is the project area or APE within or adjacent to a property or district that is listed in or eligible for listing in the National Register of Historic Places? YES NO UNKNOWN

X. DETERMINATION OF EFFECT

- No Historic Properties Affected
- Historic Properties Will Be Affected and the Project Will (Check One):
 - Have **NO ADVERSE EFFECT** on Historic Properties within the area of potential effects (APE).
 - Have an **ADVERSE EFFECT** on One or More Historic Properties in the APE and the Federal Agency, or Federally Authorized Representative, will Consult with the SHPO and Other Parties to Resolve the Adverse Effect Under CFR 800.6.

BASIS FOR DETERMINATION OF EFFECT
This structure is dilapidated and has been altered throughout the years. It is located in a residential neighborhood with no other structures detailing historic facades or relevance.



XI. ADDITIONAL REQUIREMENTS

Map Requirements: Attach a map depicting the project area, and, if necessary, a large scale project map. If project involves ground disturbance, the project footprint must be clearly delineated on the map. Please do not send an individual map with each structure or site. While a topographic map is preferred, other styles of maps are acceptable.

Photography requirements: Recent photographs of the complete exterior elevations of the building(s). **Good quality photographs are important for expeditious project review.** Our office does not accept images from online image servers (e.g., Google Earth or Maps) due to the time elapsed between the image capture and the project date. Photographs of neighboring or nearby buildings should also be submitted. All photographs should be labeled and keyed to a map of the project area. Images should be at a minimum of 300 pixels per inch or 1200 x 1800 pixels. Please provide clear recent photographs to aid in the assessment of effects for this project.

CHECKLIST: DID YOU PROVIDE THE FOLLOWING INFORMATION?

- | | |
|---|--|
| <input checked="" type="checkbox"/> Project area map (per project, not structure) | <input type="checkbox"/> Other supporting documents (if necessary to explain the document) |
| <input type="checkbox"/> Thorough project description detailing all aspects of project | <input type="checkbox"/> For new construction, rehabilitations, etc., attach work write-ups, plans, drawings, etc. |
| <input checked="" type="checkbox"/> Photographs of all structures and overview photographs for archaeology (Note: all photographs should be labeled and keyed to one map of the project area) | <input type="checkbox"/> Dates of construction of structures in project area |

Return this form and attachments to: MOSection106@dnr.mo.gov with the following subject heading format: "Review Request – (SHPO Project Number (if previously assigned), Project Title and/or Address)." Please note that our system cannot receive emails exceeding 10 MB in size. If your submission contains large files, you may provide this information to our office via a large-file transfer service such as your organization's FTP system, Dropbox, Google Drive, etc. If your organization does not have access to a large-file transfer service you may request that SHPO sends you an FTP upload request from the State of Missouri system by checking the box below:

- APPLICANT IS REQUESTING AN FTP UPLOAD LINK BE SENT TO THE FOLLOWING EMAIL ADDRESS

FOR SHPO USE ONLY

REVIEWER 1 NAME	DATE
REVIEWER 2 NAME	DATE

SURVEY ACREAGE

NUMBER OF ELIGIBLE PROPERTIES

NUMBER OF NOT ELIGIBLE PROPERTIES

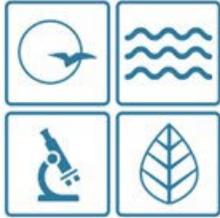
ARCHAEOLOGY REVIEW DETERMINATION

- | | | | | |
|-------------------------------|------------------------------------|----------------------------------|--|---------------------------------|
| <input type="checkbox"/> NHPA | <input type="checkbox"/> More Info | <input type="checkbox"/> Survey | <input type="checkbox"/> PA | <input type="checkbox"/> Other: |
| <input type="checkbox"/> NAE | <input type="checkbox"/> NRN | <input type="checkbox"/> Monitor | <input type="checkbox"/> ATF | |
| <input type="checkbox"/> AE | <input type="checkbox"/> Email | <input type="checkbox"/> MOA | <input type="checkbox"/> Continue to Consult | |

ARCHITECTURE REVIEW DETERMINATION:

- | | | | | |
|-------------------------------|------------------------------------|----------------------------------|--|---------------------------------|
| <input type="checkbox"/> NHPA | <input type="checkbox"/> More Info | <input type="checkbox"/> Survey | <input type="checkbox"/> PA | <input type="checkbox"/> Other: |
| <input type="checkbox"/> NAE | <input type="checkbox"/> NRN | <input type="checkbox"/> Monitor | <input type="checkbox"/> ATF | |
| <input type="checkbox"/> AE | <input type="checkbox"/> Email | <input type="checkbox"/> MOA | <input type="checkbox"/> Continue to Consult | |

STAFF COMMENTS



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Mike Kehoe
Governor

Kurt U. Schaefer
Director

December 18, 2025

Lisa Colson
Green Hills Regional Planning Commission
810 Washington
Trenton, MO 64683

Re: SHPO Project Number: 003-LS-24 — Chillicothe Demolition Project– 502 Walnut,
Chillicothe, Livingston County, Missouri (HUD)

Dear Lisa Colson:

Thank you for submitting information to the State Historic Preservation Office (SHPO) regarding the above-referenced project for review pursuant to Section 106 of the National Historic Preservation Act, P.L. 89-665, as amended (NHPA), and the Advisory Council on Historic Preservation's regulation 36 CFR Part 800, which require identification and evaluation of historic properties.

We have reviewed the information regarding the above-referenced project and have included our comments on the following page(s). Please retain this documentation as evidence of consultation with the Missouri SHPO under Section 106 of the NHPA. SHPO concurrence does not complete the Section 106 process as federal agencies will need to conduct consultation with all interested parties. **Please be advised that, if the current project area or scope of work changes, such as a borrow area being added, or cultural materials are encountered during construction, appropriate information must be provided to this office for further review and comment.**

If you have questions, please contact the SHPO at (573)751-7858 or call/email Kevin McHugh, (573) 751-7858, kevin.mchugh@dnr.mo.gov. If additional information is required, please submit the information via email to MOSection106@dnr.mo.gov.

Sincerely,

STATE HISTORIC PRESERVATION OFFICE

Dawn Scott, Director
Deputy State Historic Preservation Officer

c: Hannah Carrico, DED
lisa@ghrpc.org, Green Hills Regional Planning Commission



December 18, 2025

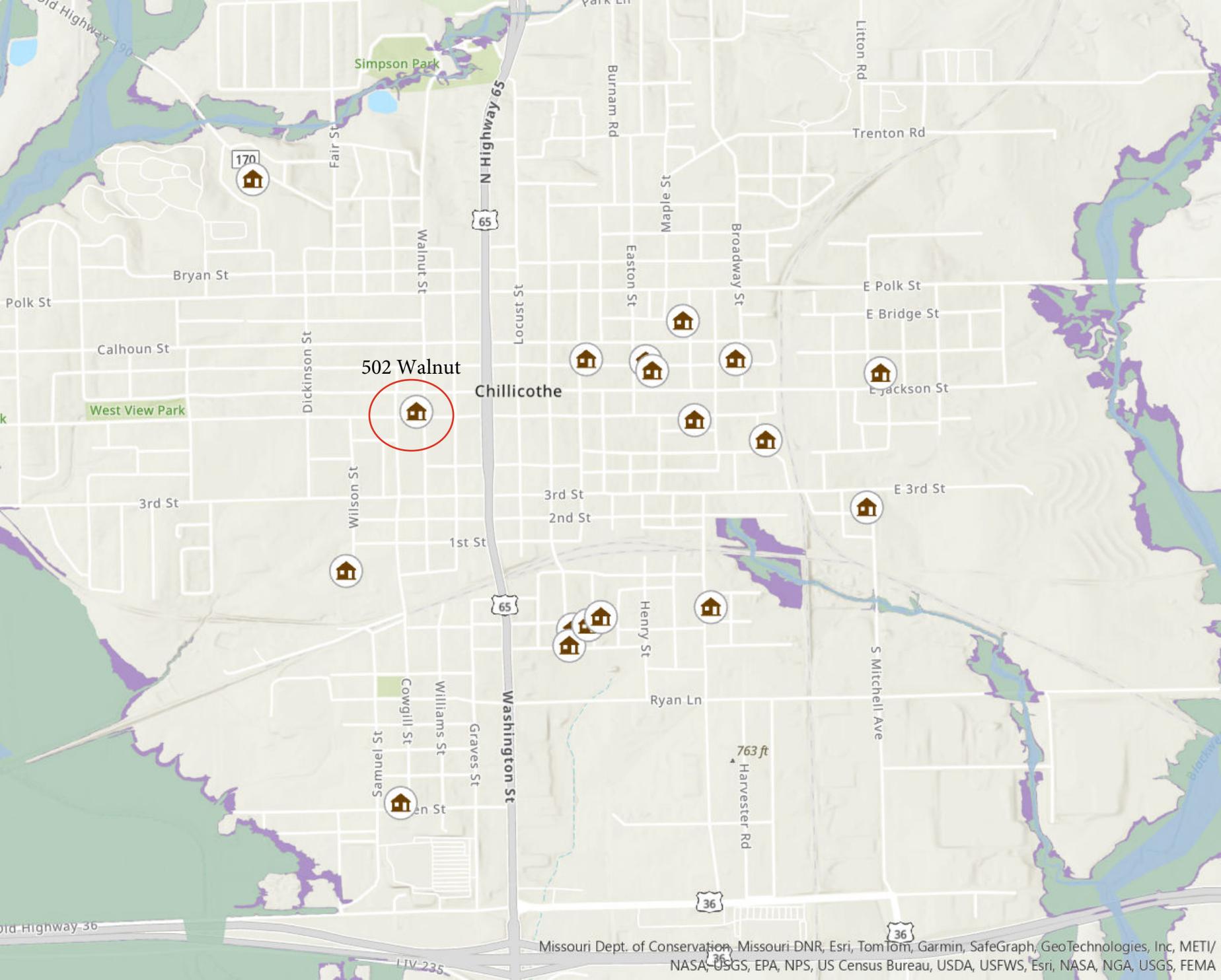
Lisa Colson

Page 2 of 2

SHPO Project Number: 003-LS-24 — Chillicothe Demolition Project– 502 Walnut, Chillicothe, Livingston County, Missouri (HUD)

COMMENTS:

Adequate documentation has been provided as outlined in 36 CFR Section 800.11. After review of the initial submission, the project area has no known historic properties present and a low potential for the occurrence of cultural resources. SHPO concurs with your determination of **no historic properties affected**.



502 Walnut

Chillicothe

502 Walnut Street – Front facing Walnut Street





502 Walnut Street



502 Walnut Street



502 Walnut Street

FLOOD INSURANCE
[42 U.S.C. 4106 24 CFR 58.6](#)

*Compliance with mandatory flood insurance purchase does not constitute compliance with floodplain management requirements discussed under the Floodplain Management section of this document

1. Does this project involve financial assistance for construction, rehabilitation, or acquisition of a mobile home, building, or insurable personal property or the purchase of machinery, equipment, fixtures, or furnishings that are insurable under NFIP? YES NO
2. If "Yes," is any portion of insurable structure or property located in a Federal Flood Risk Management Standard (FFRMS) or Special Flood Hazard Area (SFHA)? YES NO
- * "Special Flood Hazard Area" is the 100-year floodplain (blue area or "A[E,O,H,R,99]" on FIRM Map)*
*** "Federal Flood Risk Management Standard" is the 500-year floodplain (Zone A,B,C, or X on FIRM map)*
**** Sewer lift stations located in a Special Flood Hazard Area that are at least one foot above the base flood elevation, or as specified in the local floodplain management ordinance, are not subject to flood insurance requirements.*
3. If "Yes," does the RE participate in the [National Flood Insurance Program \(NFIP\)](#)? YES NO
4. If "Yes," is the community in good standing with the NFIP? YES NO
- If "Yes" to all of the above, please attach proof of flood insurance or submit during the project once available.

290026#	BUTLER, CITY OF	BATES COUNTY	04/05/74	09/04/85	05/03/10(M)	No	09/04/85				
290891B	BYRNES MILL, CITY OF	JEFFERSON COUNTY	07/29/80	05/16/83	06/20/19	No	05/16/83				
290439#	CABOOL, CITY OF	TEXAS COUNTY	05/03/74	08/01/78	08/01/78	No	08/01/78				
290620	CAINSVILLE, CITY OF	HARRISON COUNTY	04/25/75		(NSFHA)	No	10/10/97				
290788B	CALDWELL COUNTY *	CALDWELL COUNTY		07/05/05	06/16/15(M)	No	07/05/05				
290850B	CALEDONIA, VILLAGE OF	WASHINGTON COUNTY	11/05/76	12/19/06	06/05/20(M)	No	04/15/16				
	Non-floodprone (All Zone C & X)					No					
290622#	CALHOUN, CITY OF	HENRY COUNTY	02/14/75	08/19/85	01/06/11	No	08/19/85				
290238#	CALIFORNIA, CITY OF	MONITEAU COUNTY	04/05/74	03/03/11	03/03/11(M)	No	08/24/84				
290623#	CALLAO, CITY OF	MACON COUNTY	02/14/75	11/17/05	11/17/05	No	09/11/08				
290049#	CALLAWAY COUNTY*	CALLAWAY COUNTY	09/01/83	01/03/85	09/05/12	No	01/03/85				
290741A	CALVERTON PARK, CITY OF	ST. LOUIS COUNTY		08/02/95	(NSFHA)	No	09/24/15				
290789B	CAMDEN COUNTY *	CAMDEN COUNTY	04/19/83	05/01/94	04/18/18	No	05/01/94				
	Village of Climax Springs, MO has been dis-incorporated and is now part of Camden county, MO per the resolution adopted by the county on September 4, 2015. So for insurance purposes please use the County CID: 290789					No					
290742B	CAMDENTON, CITY OF	CAMDEN COUNTY	11/05/76	06/16/11	04/18/18	No	08/04/11				
290104#	CAMERON, CITY OF	CLINTON COUNTY	05/17/74	04/04/11	04/04/11(M)	No	08/24/84				
290124	CAMPBELL, CITY OF	DUNKLIN COUNTY	03/29/74			No	08/12/14				
290248#	CANALOU, TOWN OF	NEW MADRID COUNTY	06/11/76	07/16/81	07/16/81	No	07/16/81				



Community Status Book Report

Communities Participating in the National Flood Program

[Select here for not participating](#)



MISSOURI

CID	Community Name	County	Init FHBM Identified	Init FIRM Identified	Curr Eff Map Date	Tribal	Reg-Emer Date	CRS Entry Date	Curr Eff Date	Curr % Class
290204B	CANTON, CITY OF	LEWIS COUNTY	01/16/74	02/01/77	01/16/15	No	02/01/77			
290790#	CAPE GIRARDEAU COUNTY*	CAPE GIRARDEAU COUNTY	08/01/78	04/15/88	01/20/16	No	04/15/88			
290458#	CAPE GIRARDEAU, CITY OF	CAPE GIRARDEAU COUNTY	05/03/74	11/05/80	01/20/16	No	11/05/80			
290125#	CARDWELL, CITY OF	DUNKLIN COUNTY	05/03/74	03/01/79	03/01/79	No	03/01/79			
290179#	CARL JUNCTION, CITY OF	JASPER COUNTY	08/06/76	06/01/82	11/02/12	No	06/01/82			
290057#	CARROLL COUNTY*	CARROLL COUNTY	01/05/84	10/17/86	10/02/12	No	10/17/86			
290058#	CARROLLTON, TOWN OF	CARROLL COUNTY	01/09/74	12/18/84	10/02/12	No	12/18/84			
290060#	CARTER COUNTY*	CARTER COUNTY		02/04/87	02/04/87	No	02/04/87			
290180#	CARTERVILLE, CITY OF	JASPER COUNTY	12/28/73	07/16/84	11/02/12	No	07/16/84			
290181#	CARTHAGE, CITY OF	JASPER COUNTY	03/15/74	06/15/83	11/02/12	No	06/15/83			
290275#	CARUTHERSVILLE, CITY OF	PEMISCOT COUNTY	02/20/76	01/16/81	01/16/81	No	01/16/81			
290783#	CASS COUNTY *	CASS COUNTY	03/14/78	04/15/82	01/02/13	No	04/15/82			
290791#	CEDAR COUNTY *	CEDAR COUNTY		07/17/02	01/06/11	No	04/11/06			
290311	CENTERVILLE, CITY OF	REYNOLDS COUNTY	11/22/74	08/01/86	08/01/86(L)	No	08/01/86			
290035#	CENTRALIA, CITY OF	BOONE COUNTY	06/07/74	04/15/77	03/17/11	No	04/15/77			
290409#	CHAFFEE, CITY OF	SCOTT COUNTY	03/15/74	09/27/85	06/05/12(M)	No	09/27/85			
290750#	CHAIN OF ROCKS, VILLAGE OF	LINCOLN COUNTY		09/29/10	09/29/10	No	08/09/11			
290270#	CHAMOI, CITY OF	OSAGE COUNTY	03/29/74	11/15/84	09/19/12	No	11/15/84			
290073#	CHARITON COUNTY*	CHARITON COUNTY	04/19/83	12/03/87	05/16/12	No	12/03/87			
290743A	CHARLACK, CITY OF	ST. LOUIS COUNTY	02/14/75	11/23/84	(NSFHA)	No	11/23/84			
290231#	CHARLESTON, CITY OF	MISSISSIPPI COUNTY	03/29/74	01/04/85	01/18/89	No	01/04/85			
290896A	CHESTERFIELD, CITY OF	ST. LOUIS COUNTY		09/15/78	02/04/15	No	09/15/78			
290216A	CHILLICOTHE, CITY OF	LIVINGSTON COUNTY	01/09/74	08/05/85	12/20/19	No	08/05/85			
290847B	CHRISTIAN COUNTY *	CHRISTIAN COUNTY	04/19/83	04/01/04	11/02/23	No	04/01/04			
290792B	CLARK COUNTY *	CLARK COUNTY	09/15/81	02/01/97	01/29/21	No	02/01/97			
290630#	CLARKSDALE, CITY OF	DEKALB COUNTY	02/21/75	11/19/03	11/19/03(M)	No	11/19/03			
290340A	CLARKSON VALLEY, CITY OF	ST. LOUIS COUNTY	07/26/74	04/08/77	02/04/15	No	04/08/77			
290289#	CLARKSVILLE, CITY OF	PIKE COUNTY	05/24/74	04/19/10	04/19/10	No	04/01/77			
290126#	CLARKTON, CITY OF	DUNKLIN COUNTY	12/21/73	01/29/80	04/17/95	No	01/29/80			
290086A	CLAY COUNTY *	CLAY COUNTY	09/06/74	03/18/80	08/03/15	No	03/18/80			
290089A	CLAYCOMO, VILLAGE OF	CLAY COUNTY	01/23/74	08/01/77	08/03/15	No	08/01/77			
290341A	CLAYTON, CITY OF	ST. LOUIS COUNTY	04/05/74	02/14/76	02/04/15	No	02/14/76			
290952#	CLEVELAND, CITY OF	CASS COUNTY		03/16/06	01/02/13(M)	No	03/29/12			

FLOODPLAIN MANAGEMENT

E.O. 11988 24 CFR Part 55

1. Is this project exempt from the Floodplain Management requirements, per the conditions set forth in [24 CFR 55.12\(c\)](#)? YES NO

*See Guide for help making determination

Does the project occur in a [floodplain](#):

- A. Floodway YES NO
B. 500-year floodplain (B zone, shaded X zone) YES NO
C. BFE+2 floodplain (100-yr floodplain + 2 feet; **only required if 500-yr floodplain is not mapped; an FIS or USGS map** can be used to find relative elevation.) YES NO
D. 100-year floodplain (A zone) YES NO

2. If "Yes" to 1A, is an exception applicable per [24 CFR 55.8\(a\)](#)? YES NO

If "Yes," proceed to 5. Identify the citation paragraph: 24 CFR 55.8(a)(_____)

If "No," the project cannot take place at this location.

3. If "Yes" to 1B or 1C, is the project a [critical action](#)? YES NO

If "Yes" proceed to question 4.

If "No" proceed to question 5.

4. If "Yes" to 3, is the project located in the higher of the 500-year floodplain and the BFE+3 floodplain? An [FIS or USGS map](#) can be used to find relative elevation. YES NO

If "Yes" proceed to question 5.

If "No" and also "No" to 1A and 1D, the 8-Step Process is not required. Otherwise, proceed to question 5.

5. If "Yes" to 1D, 2, or 4, is the 8-step process [inapplicable](#) per [24 CFR 55.13](#)? YES NO

If "Yes," identify the citation paragraph: 24 CFR 55.13(_____)

If "No," proceed to question 6.

6. If "No" to 5, is the 5-step process (steps 1, 4-6, 8) [applicable](#) per [24 CFR 55.14](#)? YES NO

*Not common; see guide for more information

If "Yes," identify the citation paragraph: 24 CFR 55.14(_____)

If "No," the HUD 8-Step Process is required.

Explain all required mitigation measures identified in the 8-step/5-step process:

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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, etc.) *If no FIRMette data is showing the 500 yr floodplain or FIS map showing floodplain-relative elevation (100-year +2 feet can be used in place of 500-year elevation for non-critical action.) If unavailable, please use the best available flood data accessible to you.



City of Chillicothe
715 Washington St.
Chillicothe, MO 64601
660-646-2267
Fax: 660-646-6811

Request for Review & Comment

September 2, 2025

FEMA Region VII
ATTN: Teri Toye
Regional Environmental Officer, Mitigation Division
Region 7
11224 Holmes Rd
Kansas City, MO 64131-3626
Teri.Toye@fema.dhs.gov
VIA ELECTRONIC MAIL

Re: Chillicothe Demolition Grant, Chillicothe, Missouri 64601. Funding Agency: U. S. Department of Housing and Urban Development.

Dear Compliance Officer:

The City of Chillicothe, Missouri (City) has been awarded funding from U.S. Department of Housing and Urban Development (HUD) to assist with our proposed demolition grant project through the State-administered Community Development Block Grant Program (CDBG). An environmental review is required pursuant to the National Environmental Policy Act (NEPA) and environmental regulation, 24 CFR Part 58. The City requests your review of this proposed project to determine the potential for any adverse environmental impacts to concerns your agency may have.

The city proposes to demolish 17 dilapidated residential structures and 1 dilapidated commercial structure to remove the slum and blight effecting the health and safety of our neighborhoods within the corporate city limits. All structures will be tested for asbestos containing material by a certified asbestos inspector and any asbestos containing material will be abated by a certified firm. All debris resulting from asbestos abatement and demolition activity will be transported to the appropriate landfill. The city will seed and mulch the locations after the demolitions are completed.

Enclosed you will find the following items:

- Color photos of each structure
- Map of the project area with demolition locations marked
- Floodplain Map with demolition locations noted
- Wetlands map
- Topographic Map

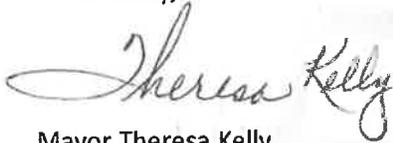
Please provide written comments and/or recommendations for any mitigation measures by within 30 days.

Should any significant changes be proposed to the location and/or scope of the proposed project, you will be notified in writing prior to the initiation of any construction activities for the opportunity to review and comment.

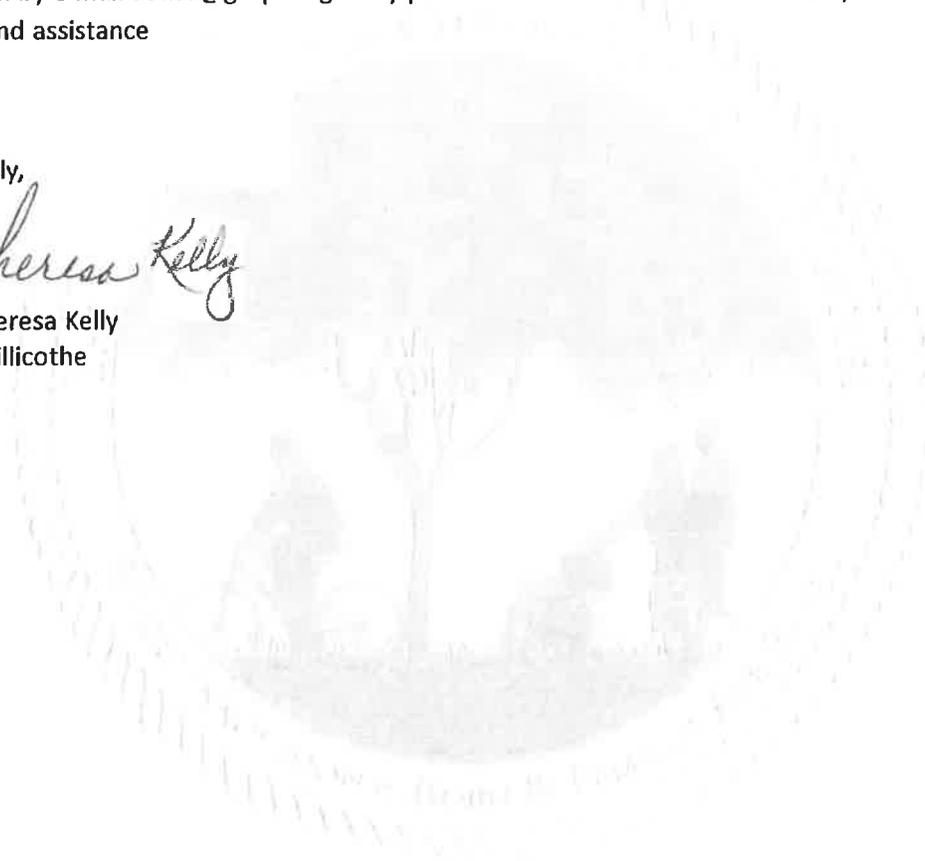
Please contact me at (660-646-2247) or by e-mail at cityclerk@chillicothe-city.org if you have any questions or require additional information. If you require more time for review of this project, have questions, or would like more information, please contact the environmental review preparer Ms. Lisa Colson by e-mail at lisa@ghrpc.org or by phone at 660-359-5636 ext. 0. Thank you for your interest and assistance

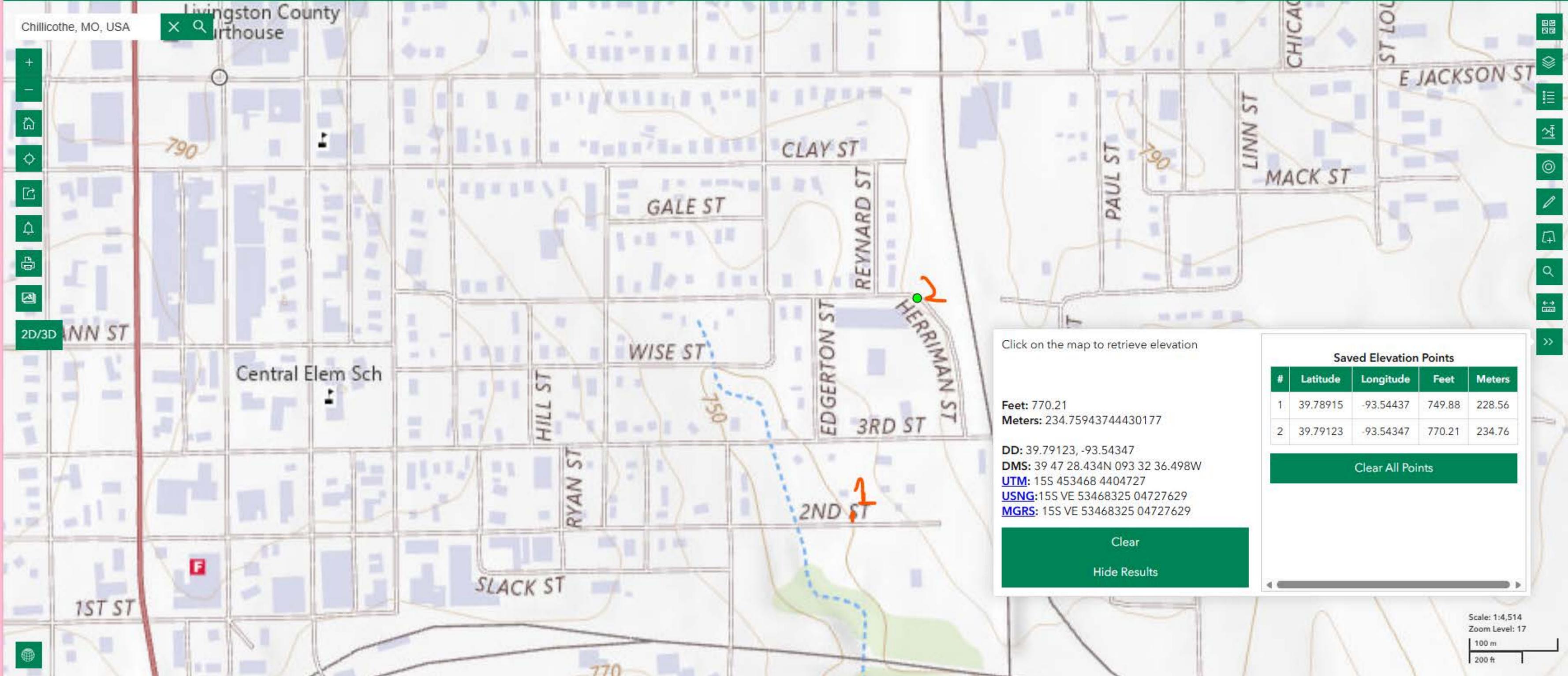
Sincerely,

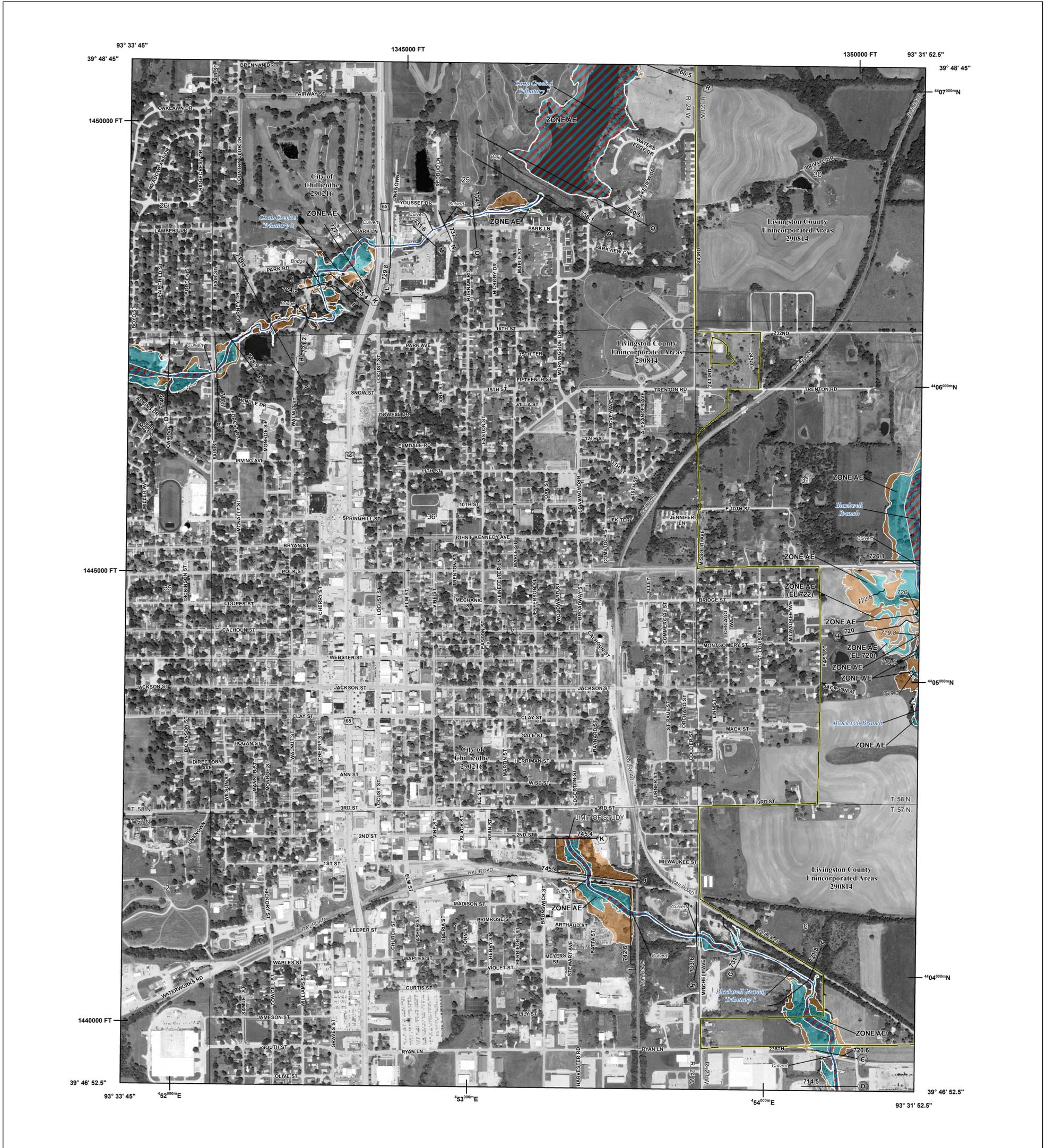
Sincerely,

A handwritten signature in cursive script that reads "Theresa Kelly". The signature is written in black ink and is positioned to the left of the printed name.

Mayor Theresa Kelly
City of Chillicothe







FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTP://MSC.FEMA.GOV](http://MSC.FEMA.GOV)

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		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 X
		Area with Reduced Flood Risk due to Levee See Notes Zone X
OTHER AREAS		Area of Minimal Flood Hazard Zone X
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation (BFE)
		Coastal Transect
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary

NOTES TO USERS

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-6227) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website. Users may determine the current map date for each FIRM panel by visiting the FEMA Map Service Center website or by calling the FEMA Map Information eXchange.

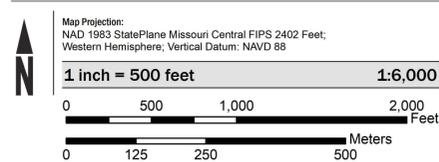
Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

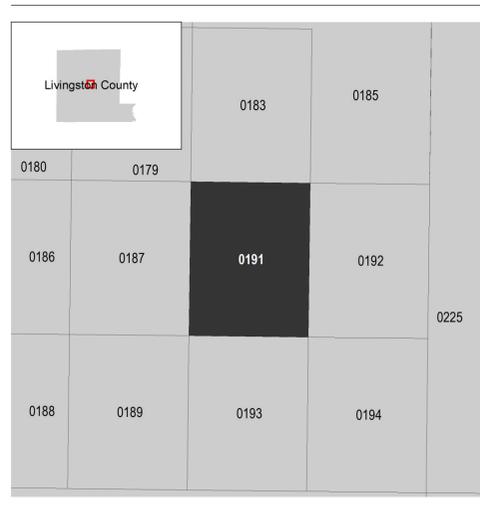
To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was derived from multiple sources. This information was photogrammetrically compiled at a scale of 1"=100' from aerial photography dated 2014.

SCALE



PANEL LOCATOR



**NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP**

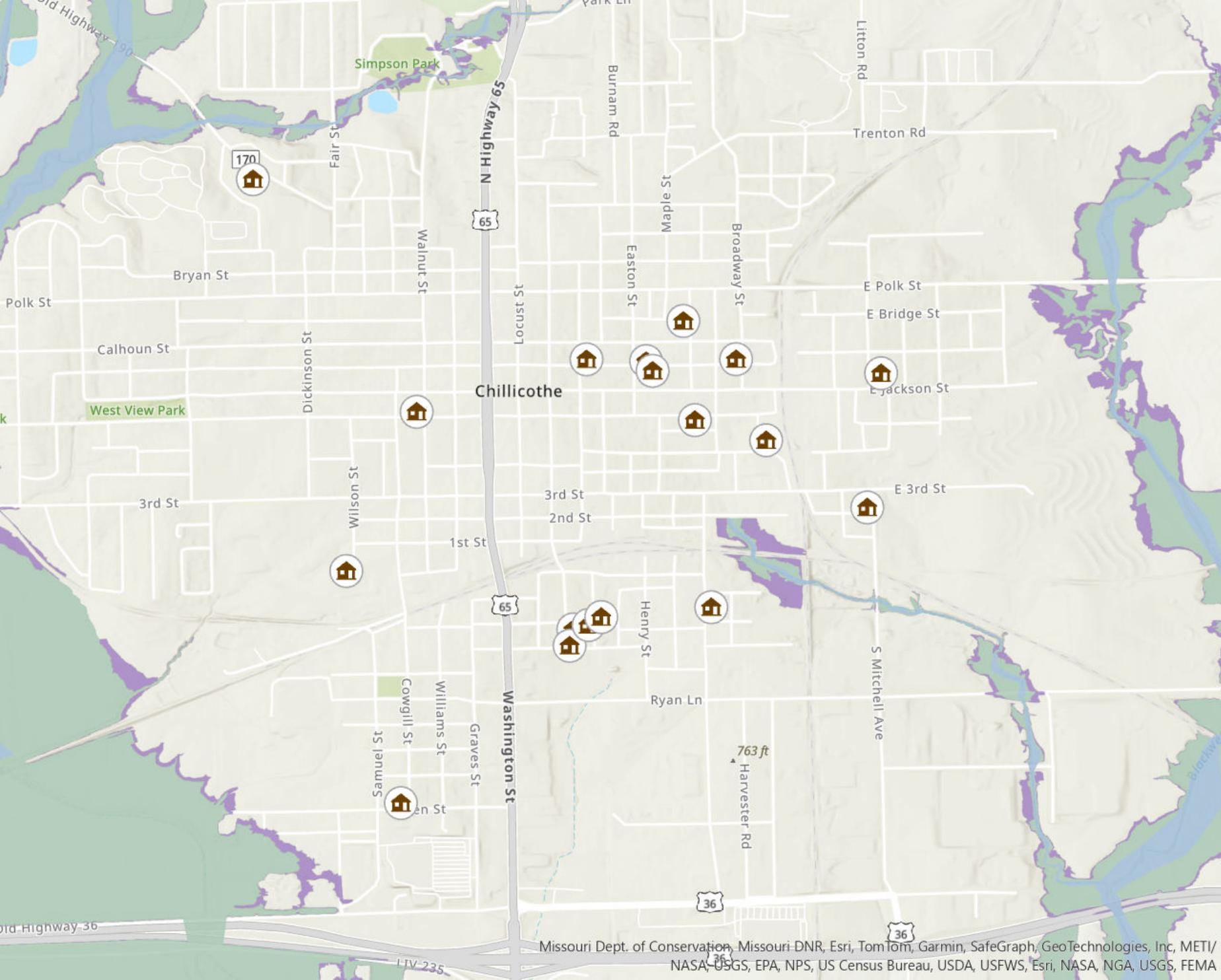
LIVINGSTON COUNTY, MISSOURI and Incorporated Areas
 PANEL 191 of 500



Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
CITY OF CHILICOTHE	290216	0191	C
LIVINGSTON COUNTY	290814	0191	C





WETLANDS PROTECTION

E.O. 11990 24 CFR Part 55

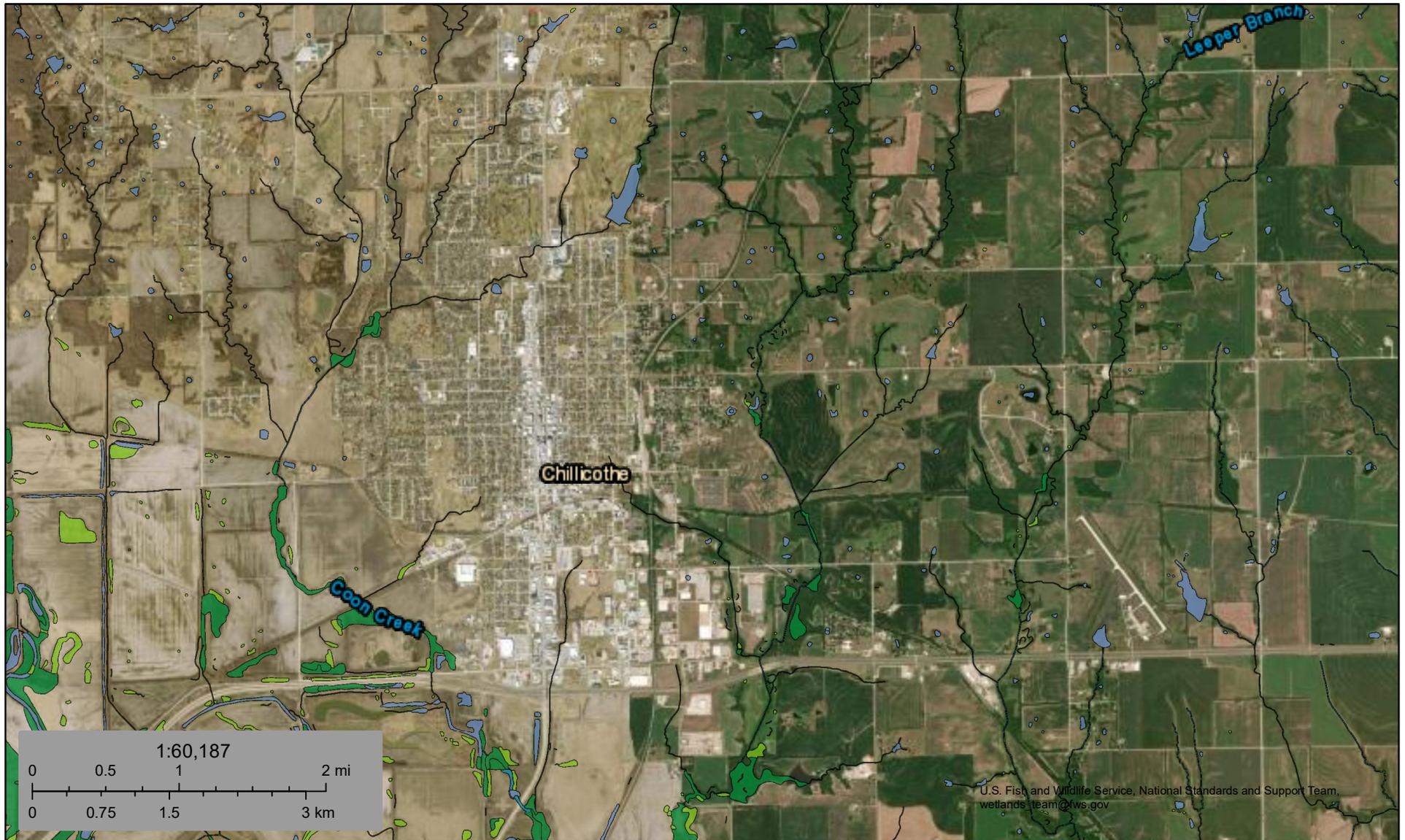
1. Is this project listed as exempt from the Wetland Protections requirements in [24 CFR 55.12\(c\)](#) or inapplicable per [24 CFR 55.12\(b\)](#)? YES NO
2. Compliance with Wetlands Protection applies to Land Acquisition and/or New Construction related to any of the following. *Check all that apply to the project:*
- | | |
|---|--|
| <input type="checkbox"/> Buildings and structures | Utility lines |
| <input type="checkbox"/> Roads | Storm drains and ditches |
| <input type="checkbox"/> Sewer and water systems | Flood control systems |
| <input type="checkbox"/> Dredging, filling, excavation (includes rehabilitation to existing buildings and structures) | Expansion or altering the footprint of buildings or structures |
3. If the project consists of at least one of the above activities and is not exempt, will the new construction or other ground disturbance impact an on-or off-site [wetland](#)? YES NO
"If Yes," the HUD 8-step Process is required ([24 CFR 55.20](#)).
4. Are there drainage ways, streams, creeks or rivers on or near the project site?
If "Yes," or the project is located in or near wetlands, submit a cover letter with detailed project description, project location including township, range and section, clear and detailed map, and color photographs of the area to U.S. Army Corps of Engineers. YES NO
5. Is the 5-step process (steps 1, 4-6, 8) applicable per [24 CFR 55.14](#)? YES NO
*Not common; see guide for more information
If "Yes," identify the citation paragraph: 24 CFR 55.14(____)
If "No," the HUD 8-step Process is required ([24 CFR 55.20](#)).

Explain all required mitigation measures resulting from consultation with either of the above entity:

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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, current land use of project site, etc.)



Chillicothe Wetland Map



September 2, 2025

Wetlands

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

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



City of Chillicothe
715 Washington St.
Chillicothe, MO 64601
660-646-2267
Fax: 660-646-6811

Request for Review & Comment

September 17, 2025

MO State Emergency Management Agency
ATTN: Karen McHugh, CFM,
Floodplain Management Officer, NFIP State Coordinator
2302 Militia Drive, PO Box 116 Jefferson City, MO 65102
karen.mchugh@sema.dps.mo.gov

VIA ELECTRONIC MAIL

Re: Chillicothe Demolition Grant, Chillicothe, Missouri 64601. Funding Agency: U. S. Department of Housing and Urban Development.

Dear Compliance Officer:

The City of Chillicothe, Missouri (City) has been awarded funding from U.S. Department of Housing and Urban Development (HUD) to assist with our proposed demolition grant project through the State-administered Community Development Block Grant Program (CDBG). An environmental review is required pursuant to the National Environmental Policy Act (NEPA) and environmental regulation, 24 CFR Part 58. The City requests your review of this proposed project to determine the potential for any adverse environmental impacts to concerns your agency may have.

The city proposes to demolish 17 dilapidated residential structures and 1 dilapidated commercial structure to remove the slum and blight effecting the health and safety of our neighborhoods within the corporate city limits. All structures will be tested for asbestos containing material by a certified asbestos inspector and any asbestos containing material will be abated by a certified firm. All debris resulting from asbestos abatement and demolition activity will be transported to the appropriate landfill. The city will seed and mulch the locations after the demolitions are completed.

Enclosed you will find the following items:

- Color photos of each structure
- Map of the project area with demolition locations marked
- Floodplain Map with demolition locations noted
- Wetlands map
- Topographic Map

Please provide written comments and/or recommendations for any mitigation measures by within 30 days.

Should any significant changes be proposed to the location and/or scope of the proposed project, you will be notified in writing prior to the initiation of any construction activities for the opportunity to review and comment.

Please contact me at (660-646-2247) or by e-mail at cityclerk@chillicothe-city.org if you have any questions or require additional information. If you require more time for review of this project, have questions, or would like more information, please contact the environmental review preparer Ms. Lisa Colson by e-mail at lisa@ghrpc.org or by phone at 660-359-5636 ext. 0. Thank you for your interest and assistance

Sincerely,

A handwritten signature in cursive script that reads "Theresa Kelly". The signature is written in black ink and is positioned to the right of the typed name and title.

Mayor Theresa Kelly
City of Chillicothe

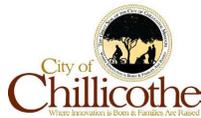
From: [City Clerk](#)
To: karen.mchugh@sema.dps.mo.gov
Subject: Letter in reference to Chillicothe Demolition Grant
Date: Friday, September 19, 2025 9:39:27 AM
Attachments: [NEPA Review Documents \(002\).pdf](#)
[Letter to MO State Emergency Management Agency 9-17-2025.pdf](#)

Dear MO State Emergency Management Agency,

Please see the attached letter and NEPA Review Documents in reference to the Chillicothe Demolition Grant.

Best Regards,

Amy Hess



City Clerk
Chillicothe City Hall
715 Washington St.
Chillicothe, MO 64601
Phone: 660-646-1877
Fax: 660-646-6811

N/A

HUD 8-STEP DECISION MAKING PROCESS

[E.O. 11990 E.O. 11988 24 CFR 55.20](#)

STEP 1 – Determine if the proposed action is located in a 100-year floodplain/500-year floodplain for critical actions and/or wetland.

1. Based on completion of the previous Floodplain Management and Wetlands Protection sections, the [HUD 8- Step Decision Making Process](#) is being completed for:

Select One Below:

Floodplain

Wetland

Floodplain AND Wetland

Select One Below:

3-Step (Step 6,7,8)

5-Step (Steps 1, 4-6, 8)

8-Step

2. Provide a description of the project, with specific reference to the floodplain/wetland area(s) that will be impacted by this project. The floodplain location should be referenced by the appropriate FEMA community panel, date, and flood zone, included in the Floodplain Management section. The wetlands location should reference the appropriate National Wetlands Inventory map and/or professional wetlands delineation, included in the Wetlands Protection section. Attach additional pages as necessary.

STEP 2 – Involve the public in the decision-making process: Early Public Notice.

Attach a copy of the notice, affidavit of publication and/ or tear sheet, and proof of distribution to environmental agencies and Tribes.

Name of Newspaper: _____ Date of publication: _____

Were comments received in response to the notice?

YES

NO

If "Yes," explain and attach all correspondence:

STEP 3 – Identify and evaluate practicable alternatives. Alternatives MUST be presented and considered for this evaluation to be valid. Attach additional pages as necessary.

1. Alternatives that include modifications to the current proposed site to mitigate adverse impacts:

2. Alternatives located outside the floodplain and/or wetland:

3. No Action Alternative:

STEP 4 – Identify indirect and direct impacts associated with occupying or modifying the floodplain/wetland. The floodplain evaluation should focus on the adverse impacts to lives and property and on natural and beneficial floodplain values. The wetlands evaluation shall consider factor’s relevant to a proposal’s effect on the survival and quality of the wetlands. Attach additional pages as necessary.

	Impacts to Lives and Property	Impacts to Floodplain/Wetland
<p>Positive: Describe positive or beneficial impacts to the floodplain/wetland, both direct and indirect</p>		
<p>Negative: Describe negative or harmful impacts to the floodplain and/or wetland, both direct and indirect.</p>		
<p>Concentrated: Describe concentrated impacts at or near the floodplain and/or wetland.</p>		
<p>Dispersed: Describe dispersed or remote impacts occurring distant from the floodplain and/or wetland.</p>		
<p>Short-term: Describe short-term impacts to the floodplain/wetland (temporary impacts occurring immediately after an action lasting a short while).</p>		
<p>Long-term: Describe long-term impacts to the floodplain/wetland (impacts occurring during or after an action that persists for considerable time or indefinitely).</p>		

STEP 5 – Where practicable, design or modify the proposed project to *minimize* the potential adverse impacts to lives, property, and natural values within the floodplain/wetland; and to *restore* and *preserve* the values of the floodplain/wetland. (Consult project engineer/architect and/or engineering/architectural report.)

Minimize- “reduce harm to smallest possible degree;” far beyond mitigate or alleviate

Restore- re-establish environment in which natural & beneficial floodplain values can operate

Preserve- prevent modification to natural floodplain or maintain as closely as possible to its natural state

Examples: Minimize fill, minimize grading, restore natural contours, acquire/demolish/relocate non-conforming structures, preserve natural drainage, maintain/restore wetlands and riparian buffers, control urban runoff & storm water discharge, minimize tree cutting, elevate & flood proof structures, scale back size/scope of project, deed restrictions/covenants, 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, flood proofing of structures, elevating structures including free boarding above the required base flood elevations, etc.

1. Explain the minimization, restoration, and preservation measure that will be taken to protect lives, property, and values of the floodplain/wetland. If a permit is required, state the permit and describe its requirements. Attach additional pages as necessary.

STEP 6 – Re-evaluate alternatives identified in Step 3.

1. Is the project still feasible (in light of the impacts to floodplain/wetland determined in Step 4 and the minimization, restoration and preservation opportunities identified in Step 5)?

2. In light of Steps 4 & 5, do alternatives previously reject in Step 3 appear feasible? Compare adverse impacts of alternatives. The reevaluation of alternatives shall include the potential impacts avoided or caused inside and outside the floodplain or wetland area. The impacts should include the protection of human life, real property, and the natural and beneficial functions and values served by the floodplain or wetland. A reevaluation of alternatives under this step should include a discussion of economic costs. For floodplains, the cost estimates should include savings or the costs of flood insurance, where applicable; flood proofing; replacement of services or functions of critical actions that might be lost; and elevation to at least the base flood elevation for sites located in floodplains. For wetlands, the cost estimates should include the cost of filling the wetlands and mitigation.

3. If neither proposed project nor alternatives are acceptable, the chosen alternative is “No Action.”

STEP 7 – If re-evaluation results in no practicable to relocate the project out of the floodplain/wetland, the decision must be made public: Notice of Explanation.

Notice must include:

- Reasons why project must be located in floodplain
- Alternatives considered and locations by address
- All mitigation to be taken and actions to actions to restore and preserve natural and beneficial values

If the RE receives comments, the RE must consider the comments, respond in writing, and provide copies to CDBG. Attach a copy of the notice, affidavit of publication and/or tear sheet, and proof of distribution to environmental agencies and Tribes.

Name of Newspaper: _____ Date of publication: _____

Were comments received in response to the notice?

YES

NO

If “Yes”, explain and attach all correspondence:

STEP 8 – Implement the Project

When compliance has been demonstrated and the release of funds has been issued, the project may be implemented. The RE has a continuing responsibility to ensure that the mitigating measures identified in Step 7 are implemented. Mitigation measures must be incorporated, as appropriate, in project contracts and all related agreement documents.

COASTAL ZONE MANAGEMENT

There are no Coastal Zones in Missouri.

Compliance Documentation: [NOAA Coastal Management](#)



States and Territories Working on Ocean and Coastal Management

Click on a state or territory below to see what we're doing to manage your state's oceans and coasts.



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[American Samoa](#)

[California](#)

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[Virginia](#)

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[Wisconsin](#)

[\(top\)](#)

AIRPORT HAZARDS

24 CFR Part 51 Subpart D

Runway Protection Zone (RPZ)- area immediately beyond the ends of FAA civilian airport runways

Clear Zone (CZ)- area immediately beyond ends of military airfield runway

Accident Potential Zone (APZ)- are immediately beyond the Clear Zones of military airfield

1. Is the project within 2,500 feet of the end of a civilian airport or 15,000 feet of a military airport?
- YES NO
- *For Civil Airports- applies to all commercial service airports as designated in the [National Plan of Integrated Airport System \(NPIAS\)](#)- shown as "P" and "CS"; does not apply to other designations
2. Is the project located within a Runway Protection Zone, Clear Zone, or Accident Potential Zone?
- YES NO
3. For projects within APZ:
- A. Do project activities, regardless of funding source, involve new construction; substantial rehabilitation; acquisition of undeveloped land; activities that would significantly prolong the physical or economic life of existing facilities or change the use of the facility to a use that is not consistent with the recommendations of the Department of Defense (DOD)'s Land Use Compatibility Guidelines; activities that would significantly increase the density or number of people at the site; or activities that would introduce explosive, flammable, or toxic materials to the area?
- YES NO
N/A
- *If "Yes," the project must be in conformance with [DOD guidelines](#) to proceed at this location.
- For projects within RPZ/CZ:
- B. Does the project consist of only facilities that will not be frequently used or occupied by people?
- YES NO
N/A
- *If "Yes," obtain written assurance by the airport operator that there are no plans to purchase the land involved as part of a RPZ/CZ acquisition program.
- C. Does the project consist solely of minor rehabilitation (<75% pre-rehab value), purchase, sale, or rental of an existing property without significantly prolonging the physical or economic life of the property?
- YES NO
N/A
- *If "Yes," include a statement signed by buyer indication receipt of [notification of airport hazards](#).
- *If "No" to 3B and 3C, the project cannot proceed at this location.

Compliance Determination Summary: *Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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)*

ENDANGERED SPECIES
Endangered Species Act (ESA), Section 7 - 50 CFR Part 402
[Endangered Species Act of 1973](#)

1. Generate an official species list using U.S. Fish and Wildlife Service's [IPac](#) tool AND a [Missouri Natural Heritage Report](#).
2. Determine if the project will affect threatened species, endangered species, or critical habitat using USFWS's [Midwest Region, Section 7\(a\)\(2\) Technical Assistance Website](#) (formerly the Effect Determination Tool).
Indicate which level of effect the project will have:

No Effect → *provide documentation, no consultation required*

May affect, but not likely to adversely affect → *submit a letter to USFWS and MDC with a written analysis of effects, requesting concurrence*

May affect, likely to adversely affect → *formal consultation with USFWS and MDC required, including biological opinion, potential jeopardy determination and incidental take statement*

If a "May Affect..." determination was made, explain all mitigation measures or explain why mitigation is not necessary.

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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)



City of Chillicothe
715 Washington St.
Chillicothe, MO 64601
660-646-2267
Fax: 660-646-6811

Request for Review & Comment
September 17, 2025

Missouri Dept. of Conservation
Attn: Resource Science Division
2901 W. Truman Blvd., P.O. Box 180
Jefferson City, MO 65102
NaturalHeritageReview@mdc.mo.gov

VIA ELECTRONIC MAIL

Re: Chillicothe Demolition Grant, Chillicothe, Missouri 64601. Funding Agency: U. S. Department of Housing and Urban Development.

Dear Compliance Officer:

The City of Chillicothe, Missouri (City) has been awarded funding from U.S. Department of Housing and Urban Development (HUD) to assist with our proposed demolition grant project through the State-administered Community Development Block Grant Program (CDBG). An environmental review is required pursuant to the National Environmental Policy Act (NEPA) and environmental regulation, 24 CFR Part 58. The City requests your review of this proposed project to determine the potential for any adverse environmental impacts to concerns your agency may have.

The city proposes to demolish 17 dilapidated residential structures and 1 dilapidated commercial structure to remove the slum and blight effecting the health and safety of our neighborhoods within the corporate city limits. All structures will be tested for asbestos containing material by a certified asbestos inspector and any asbestos containing material will be abated by a certified firm. All debris resulting from asbestos abatement and demolition activity will be transported to the appropriate landfill. The city will seed and mulch the locations after the demolitions are completed.

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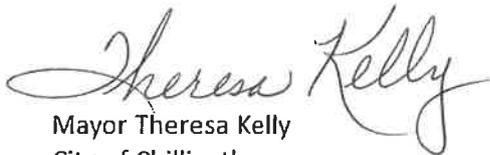
- Color photos of each structure
- Map of the project area with demolition locations marked
- Floodplain Map with demolition locations noted
- Wetlands map
- Topographic Map

Please provide written comments and/or recommendations for any mitigation measures by within 30 days.

Should any significant changes be proposed to the location and/or scope of the proposed project, you will be notified in writing prior to the initiation of any construction activities for the opportunity to review and comment.

Please contact me at (660-646-2247) or by e-mail at cityclerk@chillicothe-city.org if you have any questions or require additional information. If you require more time for review of this project, have questions, or would like more information, please contact the environmental review preparer Ms. Lisa Colson by e-mail at lisa@ghrpc.org or by phone at 660-359-5636 ext. 0. Thank you for your interest and assistance

Sincerely,

A handwritten signature in cursive script that reads "Theresa Kelly". The signature is written in black ink and is positioned to the right of the typed name.

Mayor Theresa Kelly
City of Chillicothe

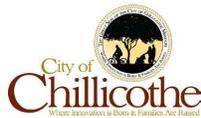
From: [City Clerk](#)
To: NaturalHeritageReview@mdc.mo.gov
Subject: Letter in reference to Chillicothe Demolition Grant
Date: Friday, September 19, 2025 9:31:45 AM
Attachments: [NEPA Review Documents \(002\).pdf](#)
[Letter to MO Dept of Conservation.pdf](#)

Attn: Resource Science Division,

Please see the attached letter and NEPA Review Documents in reference to the Chillicothe Demolition Grant.

Best Regards,

Amy Hess



City Clerk
Chillicothe City Hall
715 Washington St.
Chillicothe, MO 64601
Phone: 660-646-1877
Fax: 660-646-6811



Missouri Department of Conservation
Natural Heritage Review Report

September 30, 2025

Science Branch
 P. O. Box 180
 Jefferson City, MO 65102
 Prepared by: Nina Fogel
 NaturalHeritageReview@mdc.mo.gov
 (573) 522 - 4115 ext. 3182

Amy Hess
 City of Chillicothe
 cityclerk@chillicothe.org

NHR ERT ID:	18217	NHR ERT Level:	3
Project type:	Residential, Commercial and Governmental Building Development		
Location/Scope:	City of Chillicothe		
County:	Livingston		
Project Title:	Chillicothe demolition		
Query received:	9/19/2025		

This NATURAL HERITAGE REVIEW is not a site clearance letter. Rather, it identifies public lands and records of sensitive resources located close to and/or potentially affected by the proposed project. If the project plans or location changes, this report may no longer be valid. Because land use conditions change and animals move, the existence of an occurrence record does not mean the species/habitat is still present. Therefore, reports include information about records near but not necessarily on the project site. Lack of an occurrence record does not mean that a sensitive species or natural community is not present on or near the project area. On-site verification is the responsibility of the project. These records serve as one reference and additional information (e.g. wetland or soils maps, on-site inspections or surveys) should be considered. Look for additional information about the biological and habitat needs of records listed to avoid or minimize impacts. Additional information can be found on the MDC website including [Natural Communities, Fields Guides](#) for species and the [Missouri Fish and Wildlife Information System](#) (MOFWIS).

Level 3: Records of federal-listed (also state-listed) species or critical habitats near the project site:

Natural Heritage records identify the following species in the project area:

- **Indiana Bats and Northern Long-eared Bats** occur in Livingston County and could occur in the project area. Indiana Bats (*Myotis sodalis*, federal and state-listed endangered) and Northern Long-eared Bats (*Myotis septentrionalis*, federal-listed endangered) hibernate during winter months in caves and mines. During the summer months, they roost and raise young under the bark of trees in riparian forests and upland forests near perennial streams. During project activities, avoid degrading stream quality and where possible leave snags standing and preserve mature forest canopy. Do not enter caves known to harbor Indiana Bats and/or Northern Long-eared Bats, especially from September to April. **If any trees need to be removed by your project, please contact the U.S. Fish and Wildlife Service (Ecological Services, 101 Park Deville Drive, Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132 Ext. 100) for further coordination under the Endangered Species Act.**

FEDERAL LIST species/habitats are protected under the Federal Endangered Species Act. **Contact U.S. Fish & Wildlife Service** (101 Park Deville Drive Suite A, Columbia, Missouri 65203-0007; 573-234-2132 Ext. 100) for Endangered Species Act coordination and concurrence information.

Level 2: Records of state-listed (not federal-listed) endangered species AND / OR state-ranked (not state-listed endangered) species and natural communities of conservation concern. The Department tracks these species and natural communities due to population declines and/or apparent vulnerability.

Natural Heritage records indicate the following state-ranked species near the project area:

Scientific Name	Common Name	State Rank	Proximity (miles)	Primary Habitat
<i>Taxidea taxus</i>	American Badger	S3	<3	Grassland matrix, Savanna pasture/orchard, Row/close grown crops

<i>Neogale frenata</i>	Long-tailed Weasel	S3	<5	Habitat generalist, Savanna/Shrub/Woodland matrix, Forest matrix, Grassland matrix
------------------------	--------------------	----	----	--

- **Bald Eagles:** Bald Eagles (*Haliaeetus leucocephalus*) nest near streams or water bodies in the project area. Nests are large and fairly easy to identify. While no longer listed as endangered, eagles continue to be protected by the federal government under the Bald and Golden Eagle Protection Act. Work managers should be alert for nesting areas within 1500 meters of project activities, and follow federal guidelines at: [Do I need an eagle take permit? | U.S. Fish & Wildlife Service \(fws.gov\)](https://www.fws.gov/learn/need-an-eagle-take-permit/) if eagle nests are seen.

State Rank Definitions:

- S1: Critically imperiled in the state because of extreme rarity of or because of some factor(s) making it especially vulnerable to extirpation from the state. Typically, 5 or fewer occurrences or very few remaining individuals (<1,000).
- S2: Imperiled in the state because of rarity or because of some factor(s) making it very vulnerable to extirpation from the state (6 to 20 occurrences or few remaining individuals).
- S3: Vulnerable in the state either because rare and uncommon, or found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable to extirpation. Typically 21 to 100 occurrences or between 3,000 and 10,000 individuals.
- S4: Uncommon but not rare, and usually widespread in the nation or state. Possible cause of long-term concern. Usually more than 100 occurrences and more than 10,000 individuals.
- S#S#: Range Rank: A numeric range rank (e.g., S2S3) is used to indicate the range of uncertainty about the exact status.
- S?: Denotes inexact or uncertain numeric rank.
- SU: Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.

There are no regulatory requirements associated with this status, however we encourage voluntary stewardship to minimize the risk of further decline that could lead to listing.

STATE ENDANGERED species are protected under the Wildlife Code of Missouri (3CSR10-4.111).
See the [Missouri Species And Communities Of Conservation Concern Checklist \(mo.gov\)](https://www.mo.gov/conservation/conservation-concern-checklist/) for a complete list.

General recommendations related to this project or site, or based on information about the historic range of species (unrelated to any specific Natural Heritage records):

- **Demolition:** Demolition projects should be managed to minimize erosion and sedimentation/runoff to nearby streams and lakes, including adherence to any Clean Water Act permit conditions ([Missouri DNR](https://www.mdnr.com/) or [US Army Corps of Engineers](https://www.usace.army.mil/)). Revegetate disturbed areas to minimize erosion using native plant species compatible with the local landscape and wildlife needs. Annual ryegrass may be combined with native perennials for quicker green-up. Avoid aggressive exotic perennials such as crown vetch and sericea lespedeza.
- Invasive exotic species are a significant issue for fish, wildlife and agriculture in Missouri. Seeds, eggs, larvae, and aquatic plant material may be moved to new sites on boats or construction equipment, so inspect and clean equipment thoroughly before moving between project sites.
 - Remove any mud, soil, trash, plants (or plant material) or animals from equipment before leaving any water body or work area.

- Drain water from boats and machinery that has operated in water, checking motor cavities, live-well, bilge and transom wells, tracks, buckets, and any other water reservoirs.
- When possible, wash and rinse equipment thoroughly with hard spray or HOT water ($\geq 140^{\circ}$ F, typically available at do-it-yourself carwash sites), and dry in the hot sun before using again.

These recommendations are ones project managers might prudently consider based on a general understanding of species' needs and landscape conditions. Natural Heritage records largely reflect sites visited by specialists in the last 30 years. Many privately owned tracts have not been surveyed and could host remnants of species once but no longer common.





City of Chillicothe
715 Washington St.
Chillicothe, MO 64601
660-646-2267
Fax: 660-646-6811

Request for Review & Comment
September 17, 2025

Missouri Dept. of Natural Resources
ATTN: Rachel Bruemmer
Director's Office
P.O. Box 176
Jefferson City, MO 65102-0176
rachel.bruemmer@dnr.mo.gov
VIA ELECTRONIC MAIL

Re: Chillicothe Demolition Grant, Chillicothe, Missouri 64601. Funding Agency: U. S. Department of Housing and Urban Development.

Dear Compliance Officer:

The City of Chillicothe, Missouri (City) has been awarded funding from U.S. Department of Housing and Urban Development (HUD) to assist with our proposed demolition grant project through the State-administered Community Development Block Grant Program (CDBG). An environmental review is required pursuant to the National Environmental Policy Act (NEPA) and environmental regulation, 24 CFR Part 58. The City requests your review of this proposed project to determine the potential for any adverse environmental impacts to concerns your agency may have.

The city proposes to demolish 17 dilapidated residential structures and 1 dilapidated commercial structure to remove the slum and blight effecting the health and safety of our neighborhoods within the corporate city limits. All structures will be tested for asbestos containing material by a certified asbestos inspector and any asbestos containing material will be abated by a certified firm. All debris resulting from asbestos abatement and demolition activity will be transported to the appropriate landfill. The city will seed and mulch the locations after the demolitions are completed.

Enclosed you will find the following items:

- Color photos of each structure
- Map of the project area with demolition locations marked
- Floodplain Map with demolition locations noted
- Wetlands map
- Topographic Map

Please provide written comments and/or recommendations for any mitigation measures by within 30 days.

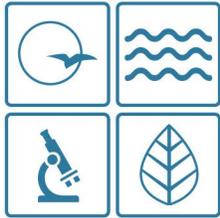
Should any significant changes be proposed to the location and/or scope of the proposed project, you will be notified in writing prior to the initiation of any construction activities for the opportunity to review and comment.

Please contact me at (660-646-2247) or by e-mail at cityclerk@chillicothecity.org if you have any questions or require additional information. If you require more time for review of this project, have questions, or would like more information, please contact the environmental review preparer Ms. Lisa Colson by e-mail at lisa@ghrpc.org or by phone at 660-359-5636 ext. 0. Thank you for your interest and assistance

Sincerely,

A handwritten signature in cursive script that reads "Theresa Kelly". The signature is written in black ink and is positioned to the right of the typed name.

Mayor Theresa Kelly
City of Chillicothe



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Mike Kehoe
Governor

Kurt U. Schaefer
Director

November 18, 2025

Mayor Theresa Kelly
City of Chillicothe
715 Washington Street
Chillicothe, MO 64601
cityclerk@dchillicothe.org

Dear Mayor Theresa Kelly;

The Missouri Department of Natural Resources appreciates the opportunity to review the materials for the Chillicothe Demolition Grant project.

The department offers the following comments related to environmental considerations for use in evaluating your project's environmental impacts pursuant to National Environmental Policy Act as amended (42 U.S.C. §§ 4321, et seq.).

Project Location

The location for the Chillicothe Demolition Grant project is in Chillicothe, Missouri, and covers an area of approximately 0.9 square miles. It includes houses located on Asher, Liberia, Waples, Henry, 2nd, Missouri, Webster, Jefferson, Reynard, Wilson, Cowgill and Springhill Streets. The following geographic descriptions apply to the approximate location of the project area.

Geographic Coordinates:

452748 E, 4404684 N (centroid)

Public Land Survey System:

T58N R23W S31
T58N R24W S35
T58N R24W S36
T57N R24W S01

8-Digit Hydrologic Unit Code:

Upper Grand (10280101)

Ecological Drainage Unit:

Central Plains/Grand/Chariton



Geology and Geospatial Data

If a full Geologic Assessment is required for a project, the Missouri Geological Survey can be contacted directly at 800-361-4827. Other maps showing natural and cultural resources can be found at <https://dnr.mo.gov/land-geology/maps-data-research>.

Karst Topography

There are no springs or sinkholes near the project area. The project area is in the Chillicothe quadrangle, which has no caves. Springs, sinkholes, and caves are features on the landscape associated with karst topography that can act as direct conduits of surface water and pollutants to groundwater. As such, extra precaution should be taken to minimize disturbance of land in or around these features, and to avoid the introduction of pollutants to sensitive groundwater resources. Karst areas may also present the possibility of potential collapse.

Wells

The Water Well Drillers' Act (Missouri Revisor of Statutes Sections 256.600 to 256.640) became effective in 1985 and implemented in 1987. In addition to many other details, this Act requires well installation and pump installation contractors to submit certification reports for all new wells drilled after July 31, 1987. As a result, the below information would not include well data prior to July 31, 1987.

According to the Well Information Management System (WIMS) database, there are 75 wells near the project area. Wells can act as conduits of pollutants to groundwater resources. Any abandoned wells discovered must be plugged in accordance with section 256.615, RSMo. Care should be taken to utilize appropriate best management practices to protect any currently operating wells. For more information on locating and plugging wells, or on private domestic wells, please visit the link below for the department's Well Installation Section webpage or contact the department's Geological Survey Program directly. <https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/wells-drilling>.

Public Land

There are no public lands located near the project area.

Conservation Opportunity Areas

There are no Conservation Opportunity Areas (COA's) near the project area. Both terrestrial and aquatic COAs are identified by the Missouri Department of Conservation (MDC) and its conservation partners as priority areas that support and conserve viable populations of wildlife and the ecological systems on which they depend. Designated COAs are located statewide and may consist of a combination of public and private resources. Please contact the MDC at 573-751-4115 for more information.

Water Protection

Best Management Practices

Best management practices should be used during project activities to limit the amount of sediment and other pollutants entering waters of the state, and to protect the water's chemical, physical, and biological characteristics. These practices include, but are not limited to, conducting work during low flow conditions whenever possible, keeping heavy equipment out of

the water, and taking all necessary precautions to avoid the release of fuel or other waste products to streams and other waters. In addition, the department encourages the preservation of existing riparian or buffer areas around each water resource to limit the amount of sediments or other pollutants entering the water. Any stream banks, riparian corridors, lake shores, or wetlands denuded of vegetation should be stabilized and re-vegetated as soon as is practicable.

Watershed Conditions

Public Drinking Water

The project area is in or around Livingston County PWS. There are 6 intakes, drinking water wells, or tanks near the project area. Proposed project personnel should be aware of nearby Public Drinking Water systems. Work associated with any project should take into consideration the protection of surface and groundwater public drinking water supplies, implementing appropriate best management practices as necessary. For additional information regarding source water protection, please contact Ken Tomlin of the department's Public Drinking Water Branch at 573-526-0269.

Designated Uses

Water Bodies with Specific Designated Uses

The proposed project area is in the watershed of the Grand River. Water bodies are assigned specific designated uses according to State of Missouri Water Quality regulations at 10 CSR 20-7.031(2). These waters are protected by numeric water quality criteria outlined in 10 CSR 20-7.031(5) and Table A, as well as general water quality criteria outlined at 10 CSR 20-7.031(4). Designated uses of Grand River include the following:

- Protection and propagation of fish, shellfish, and wildlife – warm water habitat (WWH)
- Human health protection (HHP)
- Irrigation (IRR)
- Livestock and wildlife protection (LWP)
- Secondary contact recreation (SCR)
- Whole body contact recreation – Category A (WBC-A)
- Drinking water supply (DWS)

Water Bodies without Specific Designated Uses

Water bodies that are not assigned specific designated uses are still protected by general water quality criteria outlined at 10 CSR 20-7.031(4) and are subject to the acute toxicity criteria of Tables A and B, as well as whole effluent toxicity conditions.

According to the National Wetlands Inventory <https://www.fws.gov/wetlands/>, there is the likelihood of freshwater wetlands and ponds within the riparian corridors of the Grand River. This project has the potential to impact wetlands, ponds, and the aforementioned tributaries and headwater streams to be impacted, depending on their proximity to land disturbance activities. Project sponsors should avoid such impacts through alternatives analysis before compensatory mitigation is considered. If wetlands, ponds, headwaters, or tributaries are not directly impacted but are near any land disturbance, project sponsors should take care to protect water quality.

While these water bodies are not assigned specific designated uses, they are protected by Missouri's general water quality criteria.

Sensitive Waters

There are no known sensitive waters in the project area. Sensitive waters include waters designated for Cold Water Habitat, Outstanding National Resource Waters, Outstanding State Resource Waters, Metropolitan No-Discharge streams, biocriteria reference locations, losing streams, 303(d) Impaired and 305(b) Threatened Waters, and Waters with Approved Total Maximum Daily Loads.

Permitting Obligations

Clean Water Act Sections 401 and 404

Projects that have the potential to discharge fill or dredged material into a jurisdictional water of the United States must receive a Clean Water Act Section 404 Permit Authorization from the U.S. Army Corps of Engineers (USACE), and a Section 401 Water Quality Certification from the department. Some examples of activities that typically require a 404 permit and a 401 certification include stream bank stabilization, installation or replacement of culverts and low water crossings, fill impacts related to residential and commercial developments, and infrastructure maintenance. To learn more about the 404 permits visit the USACE's website: <https://rrs.usace.army.mil/rrs/home/permitting>. For more information about 401 water certification from the department, go to <https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/section-401-water-quality>

If discharge into water has occurred, or will occur, project personnel should immediately contact the appropriate USACE District (link below) and the department's Operating Permits Section at 573-522-4502 for more information.

<http://www.mvr.usace.army.mil/Portals/48/docs/regulatory/MORegBound.pdf>

Land Disturbance

The project must apply for a land disturbance permit from the department if it involves construction disturbance activities of one or more acres, or construction activities that disturb less than one acre when part of a larger common plan of development or sale that will disturb a cumulative total of one or more acres over the life of the project. Land disturbance activities include clearing, grubbing, excavating, grading, filling, and other activities that result in the destruction of the root zone. Disturbance to valuable resource waters, including springs, sinkholes and losing streams, could require additional conditions or permits.

Information and application for online land disturbance permits are located at

<https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/stormwater/construction-land-disturbance>.

Questions regarding permit requirements may be directed to the appropriate Regional Office.

<https://dnr.mo.gov/about-us/division-environmental-quality/regional-office>

Demolition and Construction Waste Management

Information on managing construction and demolition waste can be found at <https://dnr.mo.gov/print/document-search/pub2045>.

Hazardous Waste

The department's interactive map allows users to access information about hazardous substance and petroleum storage tank site investigations and cleanups. Please review site investigations and cleanups in the project area by accessing the interactive map at the following link:

<https://dnr.mo.gov/waste-recycling/long-term-stewardship-lts/environmental-site-tracking-research-tool-e-start>. Should the project area intersect with one or more hazardous substance or petroleum storage tank sites, please contact erp@dnr.mo.gov for additional guidance prior to initiating excavation.

During the project, if any underground tanks or contaminated soil is discovered, workers should withdraw to a safe distance and notify the department's spill line at 573-634-2436.

It is the generator's responsibility to determine if materials generated during construction and demolition, are hazardous wastes. Demolition-related waste categories typically include paint residue (paint chips, paint scrapings, etc.), demolition debris (metal and boards that have been painted with lead-based or other heavy metal-based paint), and scrap metal (metal objects that contain lead or other heavy metals). A hazardous waste determination is not required for materials that will be reused or recycled without additional processing.

Asbestos

Prior to demolition activities, regulated structures must be thoroughly inspected by a Missouri-certified asbestos inspector to determine if any Asbestos Containing Materials are present, and a notification made to the department at least ten working days prior to demolition. Regulated structures include any building which has been used as a commercial, institutional, or industrial building (even if it was historic use), and projects involving two or more residential structures. In addition, this includes but is not limited to the following "non-building" structures: bridges, pipelines, cooling towers, chimneys, dams, and tunnels. Any asbestos found must be properly managed to prevent release of asbestos fibers.

Solid Waste

Information about solid waste uncovered during construction activities can be found at <https://dnr.mo.gov/document-search/managing-solid-waste-encountered-during-excavation-activities-pub2192/pub2192>.

No waste may be buried on-site or at an alternate site, except for clean fill. Clean fill is defined by the Revised Statutes of Missouri as "uncontaminated soil, rock, sand, gravel, concrete, asphaltic concrete, cinderblocks, brick, minimal amounts of wood and metal, and inert solids as approved by rule or policy of the department for fill, reclamation or other beneficial use." Clean fill must not contain protruding metals or demolition debris. Although not regulated as waste, placement of clean fill materials may be subject to requirements of the department's Water Protection Program if it is placed in contact with surface or subsurface waters of the state or would otherwise violate water quality standards.

Air Pollution

Dust

Ensure fugitive particulate matter emissions, such as dust, resulting from the project do not remain on surfaces or in the air beyond the property line of origin. 10 CSR 10-6.170 restricts the emission of particulate matter to the ambient air beyond the premises of origin. Additional information on general dust emissions may be found at <https://dnr.mo.gov/print/document-search/pub2200>.

Open Burning

The open burning of refuse and trade waste is restricted according to 10 CSR 10-6.045. Construction, demolition, and trade waste cannot be open burned, except for untreated wood. Brush from land clearing activities may be burned if the burning is conducted outside the city limits and greater than 200 yards from the nearest occupied structure. Additional information on open burning can be found at <https://dnr.mo.gov/print/document-search/pub2047>.

The above comments concern potential environmental impacts related to air, land, and water. Feedback on this project related to the other topics should be directed as described below:

- **Historic Preservation:** Project personnel should check with the department's State Historic Preservation Office to determine if a Section 106 Review is needed. Information on the Section 106 Review can be found on the department's web site at <https://www.mostateparks.com/page/84261/section-106-review> or by contacting the State Historic Preservation Office at 573-751-7858.
- **Floodplain:** For information concerning flood plains impacts, contact the Missouri State Emergency Management Agency, Floodplain Management and Mitigation Branch, at 573-526-9100 or 2302 Militia Drive, Jefferson City, MO 65101.
- **Endangered Species:** The MDC is responsible for collecting and managing information on the location and status of endangered species in the state. Contact MDC's Endangered Species Coordinator at 573-751-4115 or P.O. Box 180, Jefferson City, MO 65102 for information about endangered species impacts.

We appreciate the opportunity to provide comments for the proposed project. If you have any questions or need clarification, please contact me at 573-522-8277.

Sincerely,



Ségolène Renazé
Policy Advisor

SR/rab



Missouri Department of Conservation

Missouri Department of Conservation's Mission is to protect and manage the forest, fish, and wildlife resources of the state and to facilitate and provide opportunities for all citizens to use, enjoy and learn about these resources.

Natural Heritage Review Level Three Report: Species Listed Under the Federal Endangered Species Act

There are records of species listed under the Federal Endangered Species Act, and possibly also records for species listed Endangered by the state, or Missouri Species and/or Natural Communities of Conservation Concern within or near the the defined Project Area. Please contact the U.S. Fish and Wildlife Service and the Missouri Department of Conservation for further coordination.

Foreword: Thank you for accessing the Missouri Natural Heritage Review Website developed by the Missouri Department of Conservation with assistance from the U.S. Fish and Wildlife Service, the U.S. Army Corps of Engineers, Missouri Department of Transportation and NatureServe. The purpose of this report is to provide information to federal, state and local agencies, organizations, municipalities, corporations, and consultants regarding sensitive fish, wildlife, plants, natural communities, and habitats to assist in planning, designing, and permitting stages of projects.

PROJECT INFORMATION

Project Name and ID Number: Chillicothe Demolition Project #18467

Project Description: Chillicothe proposes to demolish 17 residential dwellings and 1 commercial property due to slum and blight conditions.

Project Type: Residential, Commercial and Governmental Building Development

Contact Person: Lisa Colson

Contact Information: Lisa@ghrpc.org or 6603595636

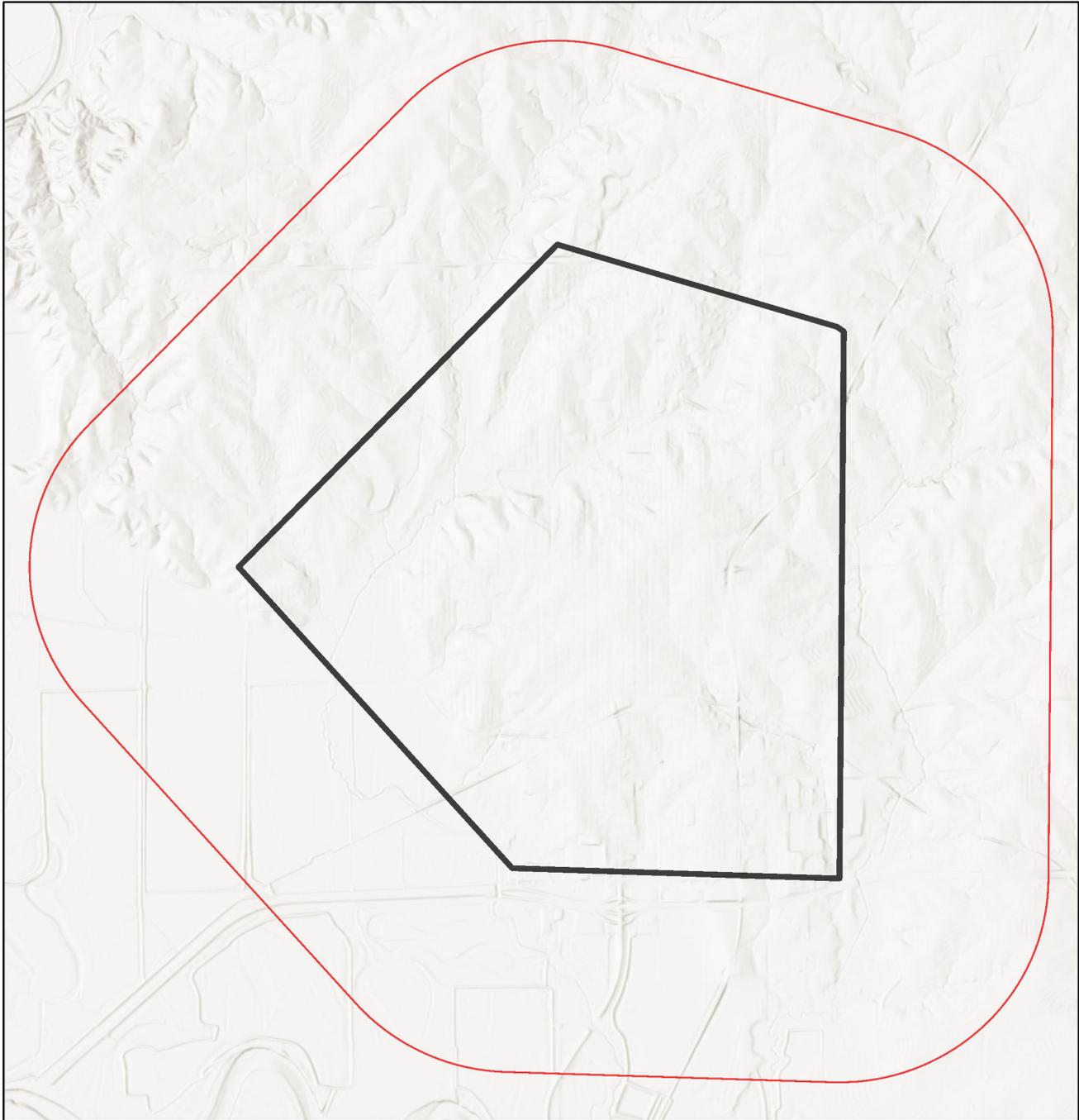
Disclaimer: This NATURAL HERITAGE REVIEW REPORT identifies if a species or natural community tracked by the Natural Heritage Program is known to occur within or near the project area submitted, and shares recommendations to avoid or minimize project impacts to sensitive species or natural habitats. Incorporating information from the Natural Heritage Program into project plans is an important step in reducing impacts to Missouri's sensitive natural resources. If an occurrence record is present, or the proposed project might affect federally listed species, the user must contact the Department of Conservation or U.S. Fish and Wildlife Service for more information.

This Natural Heritage Review Report is not a site clearance letter for the project. Rather, it identifies public lands and records of sensitive resources located close to and/or potentially affected by the proposed project. If project plans or location change, this report may no longer be valid. Because land use conditions change and animals move, the existence of an occurrence record does not mean the species/habitat is still present. Therefore, reports include information about records near but not necessarily on the project site. Lack of an occurrence record does not mean that a sensitive species or natural community is not present on or near the project area. On-site verification is the responsibility of the project. However, the Natural Heritage Program is only one reference that should be used to evaluate potential adverse project impacts and additional information (e.g. wetland or soils maps, on-site inspections or surveys) should be considered. Reviewing current landscape and habitat information, and species' biological characteristics would additionally ensure that Missouri Species of Conservation Concern are appropriately identified and addressed in planning efforts.

U.S. Fish and Wildlife Service – Endangered Species Act (ESA) Coordination: Lack of a Natural Heritage Program occurrence record for federally listed species in your project area does not mean the species is not present, as the area may never have been surveyed. Presence of a Natural Heritage Program occurrence record does not mean the project will result in negative impacts. This report does not fulfill Endangered Species Act consultation with the U.S. Fish and Wildlife Service (USFWS) for listed species. Direct contact with the USFWS may be necessary to complete consultation and it is required for actions with a federal connection, such as federal funding or a federal permit; direct contact is also required if ESA concurrence is necessary. Visit [IPaC: Home \(fws.gov\)](https://www.fws.gov/ipac) to initiate USFWS Information for Planning and Conservation (IPaC) consultation. Contact the Columbia Missouri Ecological Field Services Office (573-234-2132, or by mail at 101 Park Deville Drive, Suite A, Columbia, MO 65203) for more information.

Transportation Projects: If the project involves the use of Federal Highway Administration transportation funds, these recommendations may not fulfill all contract requirements. Please contact the Missouri Department of Transportation at 573-526-4778 or visit [Home Page | Missouri Department of Transportation \(modot.org\)](https://www.modot.org) for additional information on recommendations.

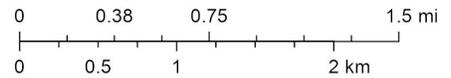
Chillicothe Demolition Project



October 27, 2025

1:43,472

-  Buffered Project Boundary
-  Project Boundary



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

Species or Communities of Conservation Concern within the Area:

There are records of species listed under the Federal Endangered Species Act, and possibly also records for species listed Endangered by the state, or Missouri Species and/or Natural Communities of Conservation Concern within or near the defined Project Area. Please contact the U.S. Fish and Wildlife Service and the Missouri Department of Conservation for further coordination.

Email (preferred): NaturalHeritageReview@mdc.mo.gov
MDC Natural Heritage Review
Science Branch
P.O. Box 180
Jefferson City, MO
65102-0180
Phone: 573-522-4115 ext. 3182

U.S. Fish and Wildlife Service
Ecological Service
101 Park Deville Drive
Suite A
Columbia, MO
65203-0007
Phone: 573-234-2132

Other Special Search Results:

The project occurs on or near public land, Chillicothe, please contact MOARNG.

Project Type Recommendations:

New construction, maintenance and remodeling, including government, commercial and residential buildings and other structures. Fish, forest, and wildlife impacts can be avoided by siting projects in locations that have already been disturbed or previously developed, where and when feasible, and by avoiding alteration of areas providing existing habitat, such as wetlands, streams, forest, native grassland, etc. The project should be managed to minimize erosion and sedimentation/runoff to nearby wetlands, streams and lakes, including adherence to any Clean Water Act permit conditions. Project design should include stormwater management elements that assure storm discharge rates to streams for heavy rain events will not increase from present levels. Revegetate areas in which the natural cover is disturbed to minimize erosion using native plant species compatible with the local landscape and wildlife needs. Annual ryegrass may be combined with native perennials for quicker green-up. Avoid aggressive exotic perennials such as crownvetch and sericea lespedeza. Pollutants, including sediment, can have significant impacts far downstream. Use silt fences and/or vegetative filter strips to buffer streams and drainages, and monitor the site after rain events and until a well-rooted ground cover is reestablished. Please see [Best Management Practices for Construction and Development Projects Affecting Missouri Rivers and Streams \(mo.gov\)](#).

Project Location and/or Species Recommendations:

Endangered Species Act Coordination - If this project has the potential to alter habitat (e.g. tree removal, projects in karst habitat) or cause direct mortality of bats, please coordinate directly with U.S. Fish and Wildlife Service (Ecological Services, 101 Park Deville Drive, Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132 Ext. 100 for Ecological Services) for further coordination under the Endangered Species Act. Indiana bats (*Myotis sodalis*, federal- and state-listed endangered) and Northern long-eared bats (*Myotis septentrionalis*, federal-listed endangered) may occur near the project area. Both of these species of bats hibernate during winter months in caves and mines. During the summer months, they roost and raise young under the bark of trees in wooded areas, often riparian forests and upland forests near perennial streams. During project activities, avoid degrading stream quality and where possible leave snags standing and preserve mature forest canopy. Do not enter caves known to harbor Indiana bats or Northern long-eared bats, especially from September to April.

Bald Eagle: The project location submitted and evaluated is within the geographic range of nesting Bald Eagles in Missouri. Bald Eagles (*Haliaeetus leucocephalus*) may nest near streams or water bodies in the project area. Nests are large and fairly easy to identify. Adults begin nesting activity in late December and January and young birds leave the nest in late spring to early summer. While no longer listed as endangered, eagles continue to be protected by the federal government under the Bald and Golden Eagle Protection Act. Work managers should be alert for nesting areas within 1500 meters of project activities, and follow federal guidelines at: [Do I need an eagle take permit? | U.S. Fish & Wildlife Service \(fws.gov\)](#) if eagle nests are seen.

Invasive exotic species are a significant issue for fish, wildlife and agriculture in Missouri. Seeds, eggs, and larvae may be moved to new sites on boats or construction equipment. Please inspect and clean equipment thoroughly before moving between project sites. See [Managing Invasive Species in Your Community | Missouri Department of Conservation \(mo.gov\)](#) for more information.

- Remove any mud, soil, trash, plants or animals from equipment before leaving any water body or work area.
- Drain water from boats and machinery that have operated in water, checking motor cavities, live-well, bilge and transom wells, tracks, buckets, and any other water reservoirs.
- When possible, wash and rinse equipment thoroughly with hard spray or HOT water (>140° F, typically available at do-it-yourself car wash sites), and dry in the hot sun before using again.

Streams and Wetlands – Clean Water Act Permits: Streams and wetlands in the project area should be protected from activities that degrade habitat conditions. For example, soil erosion, water pollution, placement of fill, dredging, in-stream activities, and riparian corridor removal, can modify or diminish aquatic habitats. Streams and wetlands may be protected under the Clean Water Act and require a permit for any activities that result in fill or other modifications to the site. Conditions provided within the U.S. Army Corps of Engineers (USACE) Clean Water Act Section 404 permit ([Kansas City District Regulatory Branch \(army.mil\)](#)) and the Missouri Department of Natural Resources (DNR) issued Clean Water Act Section 401 Water Quality Certification ([Section 401 Water Quality Certification | Missouri Department of Natural Resources \(mo.gov\)](#)), if required, should help minimize impacts to the aquatic organisms and aquatic habitat within the area. Depending on your project type, additional permits may be required by the Missouri Department of Natural Resources, such as permits for stormwater, wastewater treatment facilities, and confined animal feeding operations. Visit [Wastewater Permits | Missouri Department of Natural Resources \(mo.gov\)](#) for more information on DNR permits. Visit both the USACE and DNR for more information on Clean Water Act permitting.

For further coordination with the Missouri Department of Conservation and the U.S. Fish and Wildlife Services, please see the contact information below:

Email (preferred): NaturalHeritageReview@mdc.mo.gov
MDC Natural Heritage Review
Science Branch
P.O. Box 180
Jefferson City, MO
65102-0180
Phone: 573-522-4115 ext. 3182

U.S. Fish and Wildlife Service
Ecological Service
101 Park Deville Drive
Suite A
Columbia, MO
65203-0007
Phone: 573-234-2132

Miscellaneous Information

FEDERAL Concerns are species/habitats protected under the Federal Endangered Species Act and that have been known near enough to the project site to warrant consideration. For these, project managers must contact the U.S. Fish and Wildlife Service Ecological Services (101 Park Deville Drive Suite A, Columbia, Missouri 65203-0007; Phone 573-234-2132; Fax 573-234-2181) for consultation.

STATE Concerns are species/habitats known to exist near enough to the project site to warrant concern and that are protected under the Wildlife Code of Missouri (RSMo 3 CSR 1 0). "State Endangered Status" is determined by the Missouri Conservation Commission under constitutional authority, with requirements expressed in the Missouri Wildlife Code, rule 3CSR 1 0-4.111. Species tracked by the Natural Heritage Program have a "State Rank" which is a numeric rank of relative rarity. Species tracked by this program and all native Missouri wildlife are protected under rule 3CSR 10-4.110 General Provisions of the Wildlife Code.

See [Missouri Species and Communities of Conservation Concern Checklist \(mo.gov\)](https://www.mo.gov) for a complete list of species and communities of conservation concern, and visit mdc.mo.gov/your-property/responsible-construction/species-impact-best-practices for all species-specific Best Management Practices. Detailed information about the animals and some plants mentioned may be accessed at [Missouri Fish and Wildlife Information System \(MOWFIS\)](https://www.mofwis.com) and [MDC Field Guides](https://www.mdc.mo.gov/field-guides). Please contact the Missouri Department of Conservation to request printed copies of any materials linked in this document.

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Project information

NAME

Chillicothe demolition project

LOCATION

Livingston County, Missouri



DESCRIPTION

Some(The city will demolish 17 residential dwellings and 1 commercial property.)

Local office

Missouri Ecological Services Field Office

☎ (573) 234-2132

📠 (573) 234-2181

MAILING ADDRESS

101 Park Deville Drive
Suite A
Columbia, MO 65203-0057

PHYSICAL ADDRESS

101 Park Deville Drive
Suite A
Columbia, MO 65203-0057

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Gray Bat <i>Myotis grisescens</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6329	Endangered
Indiana Bat <i>Myotis sodalis</i> Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Endangered

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> Wherever found There is proposed critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

Western Regal Fritillary *Argynnis idalia occidentalis*

Proposed Threatened

Wherever found

No critical habitat has been designated for this species.

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate avoidance and minimization measures, as described in the various links on this page.

Additional information can be found using the following links:

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

There are Bald Eagles and/or Golden Eagles in your [project](#) area.

Measures for Proactively Minimizing Eagle Impacts

For information on how to best avoid and minimize disturbance to nesting bald eagles, please review the [National Bald Eagle Management Guidelines](#). You may employ the timing and activity-specific distance recommendations in this document when designing your project/activity to avoid and minimize eagle impacts. For bald eagle information specific to Alaska, please refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#).

The FWS does not currently have guidelines for avoiding and minimizing disturbance to nesting Golden Eagles. For site-specific recommendations regarding nesting Golden Eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

If disturbance or take of eagles cannot be avoided, an [incidental take permit](#) may be available to authorize any take that results from, but is not the purpose of, an otherwise lawful activity. For assistance making this determination for Bald Eagles, visit the [Do I Need A Permit Tool](#). For assistance making this determination for golden eagles, please consult with the appropriate Regional [Migratory Bird Office](#) or [Ecological Services Field Office](#).

Ensure Your Eagle List is Accurate and Complete

If your project area is in a poorly surveyed area in IPaC, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to bald or golden eagles on your list, see the "Probability of Presence Summary" below to see when these bald or golden eagles are most likely to be present and breeding in your project area.

Review the FAQs

The FAQs below provide important additional information and resources.

NAME

BREEDING SEASON

Bald Eagle *Haliaeetus leucocephalus*

Breeds Oct 15 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1626>

Golden Eagle *Aquila chrysaetos*

Breeds elsewhere

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1680>

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

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

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

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

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

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

Survey Effort (|)

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

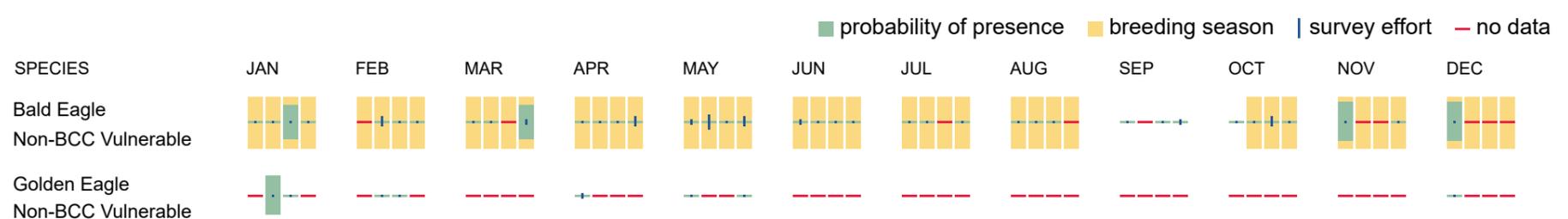
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

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

Survey Timeframe

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



Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there,

and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

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

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

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

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

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

Survey Timeframe

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

Migratory birds

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases [birds of concern](#), including [Birds of Conservation Concern \(BCC\)](#), in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the [Nationwide avoidance and minimization measures for birds](#) document, and any other project-specific avoidance and minimization measures suggested at the link [Measures for avoiding and minimizing impacts to birds](#) for the birds of concern on your list below.

Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles document](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

Review the FAQs

The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
<p>Bald Eagle <i>Haliaeetus leucocephalus</i></p> <p>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.</p> <p>https://ecos.fws.gov/ecp/species/1626</p>	Breeds Oct 15 to Aug 31
<p>Bobolink <i>Dolichonyx oryzivorus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 20 to Jul 31
<p>Chimney Swift <i>Chaetura pelagica</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds Mar 15 to Aug 25
<p>Golden Eagle <i>Aquila chrysaetos</i></p> <p>This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.</p> <p>https://ecos.fws.gov/ecp/species/1680</p>	Breeds elsewhere
<p>Prothonotary Warbler <i>Protonotaria citrea</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds Apr 1 to Jul 31
<p>Red-headed Woodpecker <i>Melanerpes erythrocephalus</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 10 to Sep 10
<p>Rusty Blackbird <i>Euphagus carolinus</i></p> <p>This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds elsewhere
<p>Wood Thrush <i>Hylocichla mustelina</i></p> <p>This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 10 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read ["Supplemental Information on Migratory Birds and Eagles"](#), specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

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

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

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

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

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

Survey Effort (|)

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

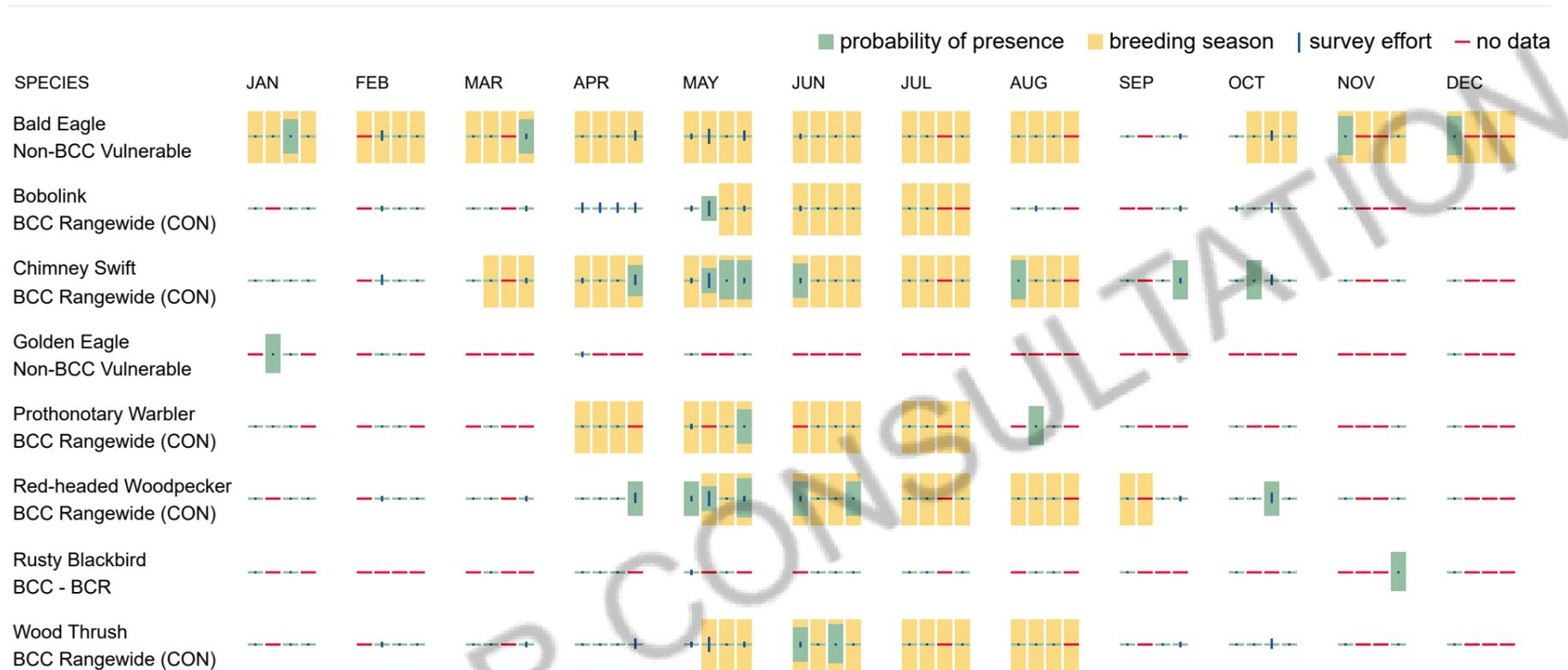
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

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

Survey Timeframe

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



Migratory Bird FAQs

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

[Nationwide Avoidance & Minimization Measures for Birds](#) describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

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

The Migratory Bird Resource List is comprised of [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the [Bald and Golden Eagle Protection Act](#) and those species marked as "Vulnerable". See the FAQ "What are the levels of concern for migratory birds?" for more information on the levels of concern covered in the IPaC migratory bird species list.

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

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, and to verify survey effort when no results present, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

Why are subspecies showing up on my list?

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

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

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

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

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

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

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

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

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ "Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Details about birds that are potentially affected by offshore projects

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

Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

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

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

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

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

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

Survey Timeframe

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

Facilities

National Wildlife Refuge lands

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

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

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

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

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the [NWI map](#) to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.



City of Chillicothe
715 Washington St.
Chillicothe, MO 64601
660-646-2267
Fax: 660-646-6811

Request for Review & Comment
September 17, 2025

U.S. Fish and Wildlife Service
Region 3 Ecological Field Office
101 Park DeVille Drive, Suite A
Columbia, MO 65203
gabriela_wolf-gonzalez@fws.gov

VIA ELECTRONIC MAIL

Re: Chillicothe Demolition Grant, Chillicothe, Missouri 64601. Funding Agency: U. S. Department of Housing and Urban Development.

Dear Compliance Officer:

The City of Chillicothe, Missouri (City) has been awarded funding from U.S. Department of Housing and Urban Development (HUD) to assist with our proposed demolition grant project through the State-administered Community Development Block Grant Program (CDBG). An environmental review is required pursuant to the National Environmental Policy Act (NEPA) and environmental regulation, 24 CFR Part 58. The City requests your review of this proposed project to determine the potential for any adverse environmental impacts to concerns your agency may have.

The city proposes to demolish 17 dilapidated residential structures and 1 dilapidated commercial structure to remove the slum and blight effecting the health and safety of our neighborhoods within the corporate city limits. All structures will be tested for asbestos containing material by a certified asbestos inspector and any asbestos containing material will be abated by a certified firm. All debris resulting from asbestos abatement and demolition activity will be transported to the appropriate landfill. The city will seed and mulch the locations after the demolitions are completed.

Enclosed you will find the following items:

- Color photos of each structure
- Map of the project area with demolition locations marked
- Floodplain Map with demolition locations noted
- Wetlands map
- Topographic Map

Please provide written comments and/or recommendations for any mitigation measures by within 30 days.

Should any significant changes be proposed to the location and/or scope of the proposed project, you will be notified in writing prior to the initiation of any construction activities for the opportunity to review and comment.

Please contact me at (660-646-2247) or by e-mail at cityclerk@chillicothe-city.org if you have any questions or require additional information. If you require more time for review of this project, have questions, or would like more information, please contact the environmental review preparer Ms. Lisa Colson by e-mail at lisa@ghrpc.org or by phone at 660-359-5636 ext. 0. Thank you for your interest and assistance

Sincerely,

A handwritten signature in cursive script that reads "Theresa Kelly". The signature is written in black ink and is positioned above the typed name.

Mayor Theresa Kelly
City of Chillicothe

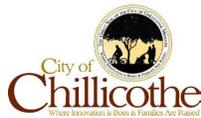
From: [City Clerk](#)
To: gabriela_wolf-gonzalez@fws.gov
Subject: Letter in reference to Chillicothe Demolition Grant
Date: Friday, September 19, 2025 9:36:58 AM
Attachments: [NEPA Review Documents \(002\).pdf](#)
[Letter to US Fish and Wildlife Service 9-17-2025.pdf](#)

Dear US Fish and Wildlife Service,

Please see the attached letter and NEPA Review Documents in reference to the Chillicothe Demolition Grant.

Best Regards,

Amy Hess



City Clerk
Chillicothe City Hall
715 Washington St.
Chillicothe, MO 64601
Phone: 660-646-1877
Fax: 660-646-6811

WILD AND SCENIC RIVERS

Wild and Scenic Rivers Act of 1968 36 CFR Part 297

1. Is the project within proximity to any of the following rivers or river segments and their respective tributaries (include a map of all rivers, segments, and tributaries in the region of the project site, with site clearly indicated)

- | | | |
|--|-----|----|
| A. Wild and Scenic Rivers - (the Eleven Point River is the only one in Missouri) | YES | NO |
| B. Study Rivers - (there are currently none in Missouri) | YES | NO |
| C. Nationwide Rivers Inventory - (state designated river segments) | YES | NO |

2. If so, could the project do any of the following?

- | | | |
|---|-----|----|
| • Have a direct and adverse effect within Wild and Scenic River Boundaries, | | |
| • Invade the area or unreasonable diminish the river outside Wild and Scenic River Boundaries, or | YES | NO |
| • Have an adverse effect on the natural, cultural, and/or recreational values of a NRI segment (this can be determined by consulting the River Management Plan for the River or River segment in question to determine the River's outstanding values)? | | |

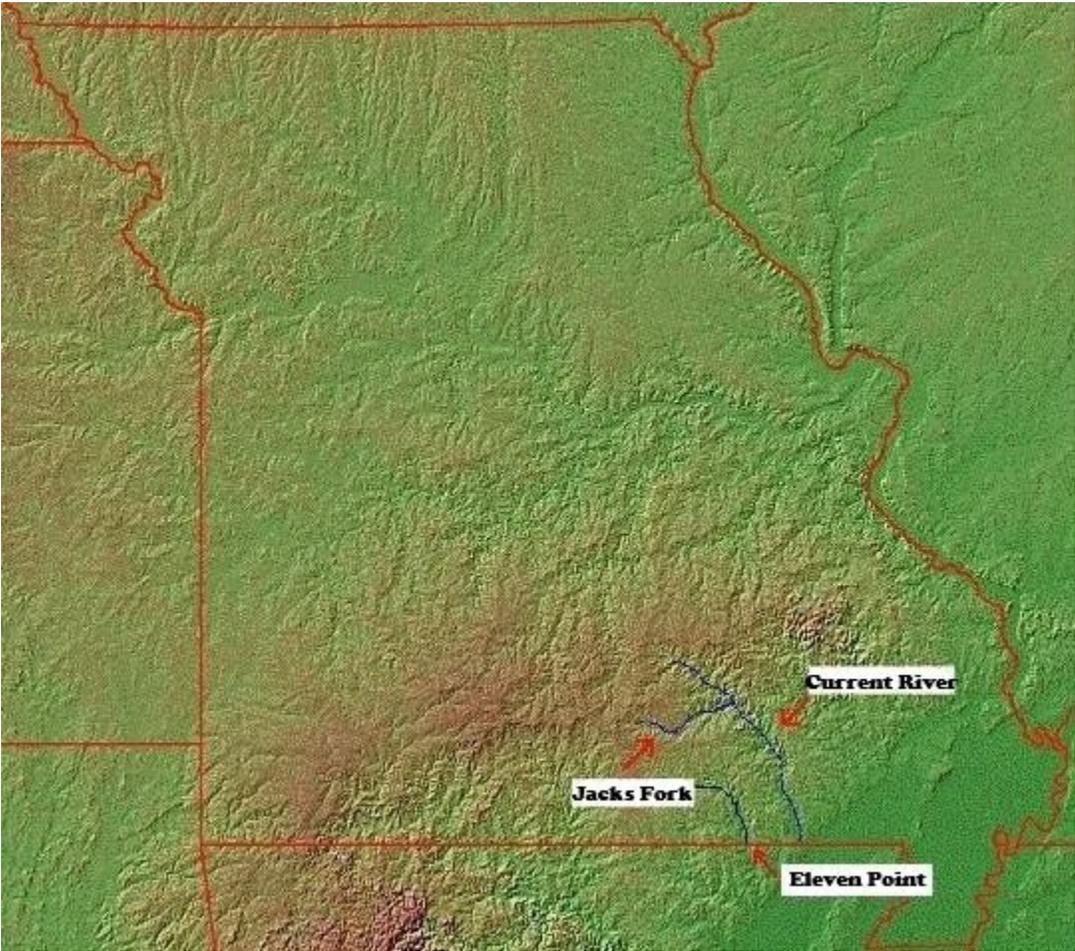
If the project could impact the Eleven Point River as determined in question 2, please contact Mark Twain National Forest.

If the project could impact a River listed on the Nationwide River Inventory as determined in question 2, please contact the National Park Service.

Explain all required mitigation measures resulting from consultation with either of the above entities:

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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)

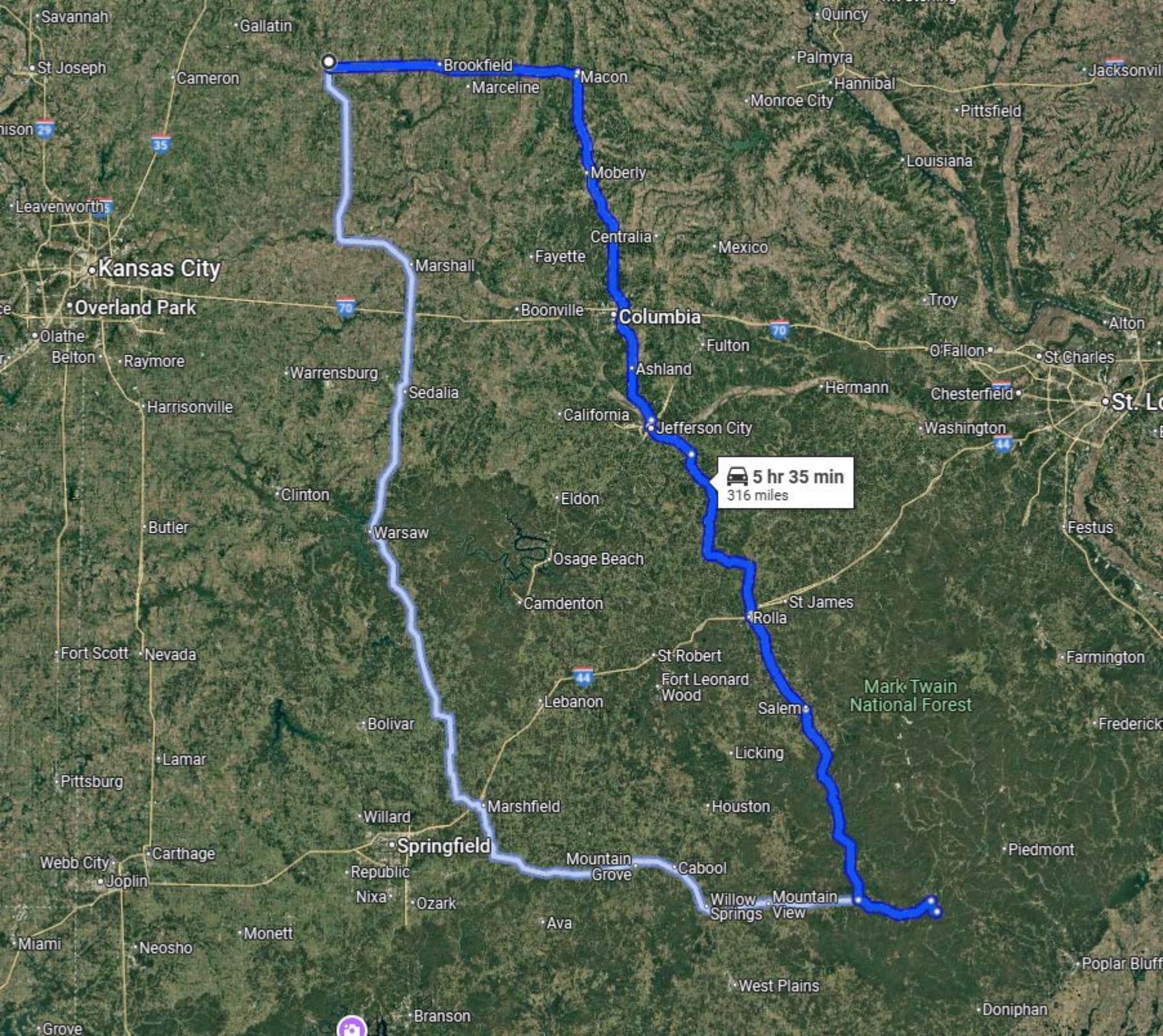
Missouri Wild and Scenic River Locations



Missouriscenicrivers.com/directions



Legend ↗



 5 hr 35 min
316 miles

FARMLAND PROTECTION
Farmland Protection Policy 7 CFR 658

- | | | |
|--|-----|----|
| 1. Does the project involve new construction, acquisition or disposition of undeveloped land, or conversion that could potentially convert one land use to another? | YES | NO |
| 2. If yes to Question 1, does your project meet one or more of the following exemptions? | | |
| Construction limited to on-farm structures needed for farm operations | YES | NO |
| Construction limited to new minor secondary (accessory) structures such as a garage or storage shed | YES | NO |
| Project on land used for water storage | YES | NO |
| Project on land already in or committed to urban development (land with a density of 30 structures per 40-acre area; lands identified as “urbanized area” (UA) on the Census Bureau Map; as urban area mapped with a “tint overprint” on the USGS topographical maps; or as “urban-built-up” on the USDA Important Farmland Maps | YES | NO |
| 3. If yes to Question 1 and no to Question 2, does “ <u>Important Farmland</u> ” (including prime farmland, unique farmland or farmland of statewide or local importance) regulated under the <u>Farmland Protection Policy Act (FPPA)</u> occur on the project site? | YES | NO |
- If “Yes,” consider alternatives to completing the project on important farmland and means of avoiding impacts to Important Farmland and submit a completed **AD-1006 “Farmland Conversion Impact Rating” Form** to USDA Natural Resources Conservation Service. Notify the state soil scientist prior to sending.

Explain all required mitigation measures resulting from consultation with NRCS:

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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, current land use of project site, etc.)

NOISE CONTROL
24 CFR Part 51 Subpart B

1. Is the proposed project a noise sensitive land use (residential, school, day care center, community center, library, hospital, nursing home, auditorium, health clinic, shelter, etc)? YES NO

2. Is the proposed project located within proximity of the following major noise sources? Provide a map with the following major noise sources identified in proximity to the project site. YES NO

Within 1,000 feet of a major roadway (high volume traffic, heavy truck traffic, etc.)

Within 3,000 feet of a railroad

There is a designated quiet zone in the area of the project.

Within 15 miles of an airport with **9000 or more enplanements per year**

Other significant noisesources: _____

(Industrial/manufacturing facilities; power generating stations; recreational facilities such as racing speedways/ tracks, and motorcycle trails, etc.)

If "Yes" to #1 and #2, complete a Noise Assessment, explain the outcome, and describe all resulting mitigation:

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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, etc.)

EXPLOSIVE AND FLAMMABLE OPERATIONS

24 CFR Part 51 Subpart C

1. Hazardous facilities included in the project:

- | | | |
|--|-----|----|
| A. Does the proposed 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)? | YES | NO |
| B. If so, is the hazardous facility located at an <u>Acceptable Separation Distance</u> (based on standards in the regulation) from residences and any other facility or area where people may congregate or be present? | YES | NO |

2. Aboveground stationary storage tanks near the project:

- | | | |
|--|-----|----|
| A. Does this project include any of the following activities: (1) development, construction, or conversion of any project intended for residential, institutional, recreational, commercial, or industrial use; (2) rehabilitation or modernization that will increase residential densities or make a building habitable; or (3) any project activity that will encourage congregation of people in an outdoor, unprotected facility? | YES | NO |
| B. If "Yes," are there any current or planned stationary aboveground storage containers: <ul style="list-style-type: none">• 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? | YES | NO |

Include a map showing all above ground storage containers in proximity to the project site within a one mile radius.

- | | | |
|--|-----|----|
| C. If "Yes", is the <u>Separation Distance</u> from the project acceptable based on standards in the regulation?
If "No," a barrier is required to mitigate the project, or it should be moved to a different location. | YES | NO |
|--|-----|----|

Detail all mitigation measures that will be implemented, including the timeline for implementation:

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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, current land use of project site, etc.)

MAP LAYERS

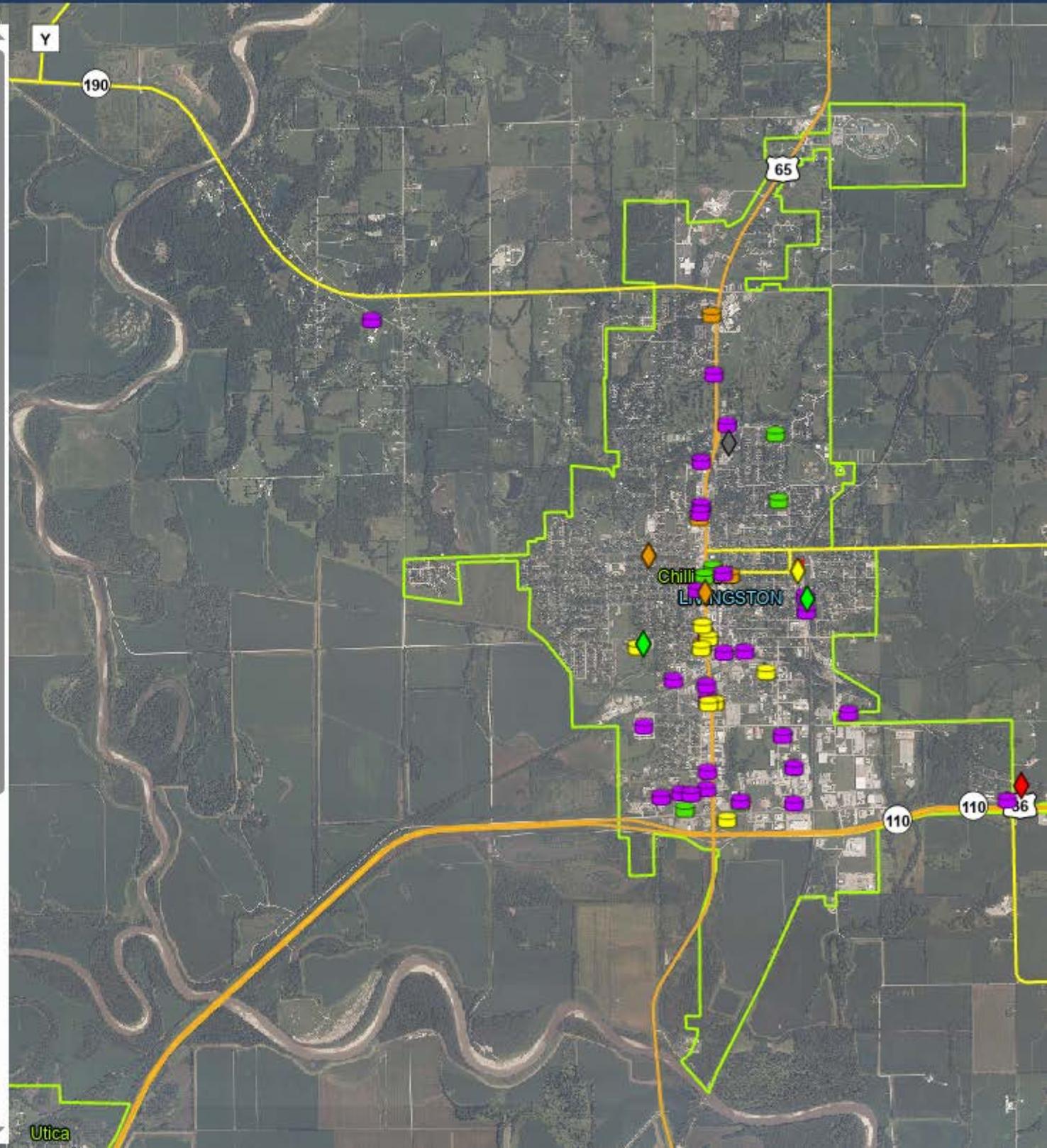
2024 IMAGERY

HAZARDOUS SUBSTANCE INVESTIGATION AND CLEANUP SITES

-  Activity and Use Limitation Area
-  Site Area
-  Active
-  Long-Term Stewardship
-  Environmental Notice
-  Completed
-  Brownfield Assessment
-  Inactive VCP (Terminated/Withdrawn)

REGULATED PETROLEUM AND HAZARDOUS SUBSTANCE STORAGE TANK FACILITIES

-  Activity and Use Limitation Area
- All Operating Underground Storage Tank Facilities
 -  Investigation/Corrective Action is Ongoing or Incomplete
 -  No Further Action Letter Issued With Restriction
 -  Facility Closed Prior to Implementation of 2004 Tanks RBCA
 -  No Further Action Letter Issued Without Restriction
 -  Operating UST Facilities with No Known Release
 -  Administrative Closure
- Former Underground Storage Tank Facilities
 -  Investigation/Corrective Action is Ongoing or Incomplete
 -  No Further Action Letter Issued With Restriction
 -  Facility Closed Prior to Implementation of



WATER QUALITY

[40 CFR Part 149](#)

There are no sole source aquifers in the State of Missouri

Designated Sole Source Aquifers in EPA Region VII

Iowa, Kansas, Missouri, Nebraska



REGION VII (IA, KS, MO, NE)

Stephanie Lindberg
Drinking Water/Ground Water Branch
EPA Region 7
901 N. 5th Street
Kansas City, KS 66101
phone: (800) 223-0425
email: lindberg.stephanie@epa.gov

There are no designated Sole Source Aquifers in Region VII. Contact the coordinator above for more information about designating SSAs in Region VII.

AIR QUALITY
40 CFR Parts 6, 51, 93

- | | | |
|---|-----|----|
| 1. Is the project in an <u>EPA-designated nonattainment</u> or maintenance area for any criteria pollutants? | YES | NO |
| 2. If "No," could create emissions impairing the air quality of an area already in attainment? | YES | NO |
| If "Yes" to question 1, does the project include five or more dwellings OR new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities units that will involve the potential for air emissions or a significant traffic increase? | YES | NO |
| 3. If "Yes" to either of the scenarios in question 2, obtain a determination from the EPA Region 7 State Air Program and the DNR Air Pollution Control Program that proposed activities conform to the State Implementation Plan. | YES | NO |

ASBESTOS:

- | | | |
|---|-----|----|
| 1. Does the project involve demolition or renovation of buildings or bridges or removal of asbestos water or sewer pipes where the disturbed area is greater than 260 linear feet or 160 square feet? | YES | NO |
|---|-----|----|

If "Yes," a Missouri DNR Certified Asbestos Inspector must be hired to perform a thorough asbestos inspection. If friable asbestos containing materials are present and require removal, a Missouri registered asbestos abatement contractor must be hired.

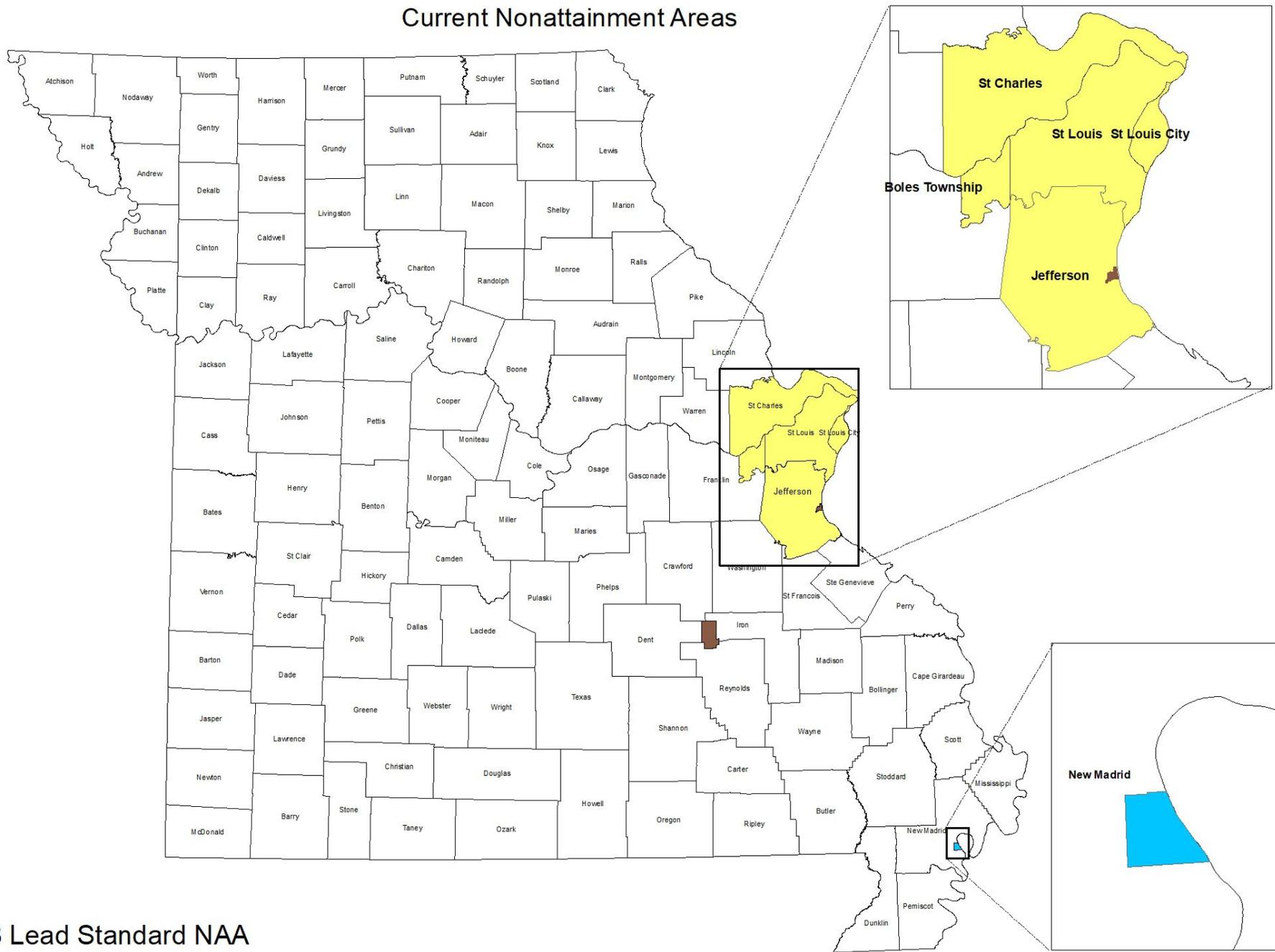
MOLD:

- | | | |
|--|-----|----|
| 1. Does the project entail rehabilitation of any building with evidence of mold on any building component, or an interior moisture-related problem, including roof leaks or moisture in and around the interior foundation or crawl space? <i>Document a site visit and attach color photos.</i> | YES | NO |
|--|-----|----|

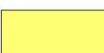
Explain all required mitigation measures and/or required permits required for nonattainment, asbestos, and mold:

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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, potential for the project to encourage further development in the area, sources, types, and amounts of emissions associated with the finished project, potential for odors and fumes produced by the finished project or surrounding areas, etc.)

Current Nonattainment Areas



Legend

-  2008 Lead Standard NAA
-  2010 SO₂ Standard NAA
-  2015 Ozone Standard NAA

Note: The 2008 Lead Standard NAA in Jefferson County is also in the NAA for the 2015 Ozone Standard



Webster County

*Sulfur Dioxide (2010)**Henderson-Webster Counties, KY**LOUISIANA**

Evangeline Parish

*Sulfur Dioxide (2010)**Evangeline Parish (Partial), LA

St. Bernard Parish

Sulfur Dioxide (2010) St. Bernard Parish, LA**MARYLAND**

Anne Arundel County

*Sulfur Dioxide (2010)**Anne Arundel County and Baltimore County, MD*8-Hour Ozone (2008)* Baltimore, MD - (Moderate)*8-Hour Ozone (2015)* Baltimore, MD - (Serious)

Baltimore County

*Sulfur Dioxide (2010)**Anne Arundel County and Baltimore County, MD*8-Hour Ozone (2008)* Baltimore, MD - (Moderate)*8-Hour Ozone (2015)* Baltimore, MD - (Serious)

Baltimore city

8-Hour Ozone (2008) Baltimore, MD - (Moderate)*8-Hour Ozone (2015)* Baltimore, MD - (Serious)

Calvert County

8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)

Carroll County

8-Hour Ozone (2008) Baltimore, MD - (Moderate)*8-Hour Ozone (2015)* Baltimore, MD - (Serious)

Cecil County

8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)*8-Hour Ozone (2015)* Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Serious)

Charles County

8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)

Frederick County

8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)

Harford County

8-Hour Ozone (2008) Baltimore, MD - (Moderate)*8-Hour Ozone (2015)* Baltimore, MD - (Serious)

Howard County

8-Hour Ozone (2008) Baltimore, MD - (Moderate)*8-Hour Ozone (2015)* Baltimore, MD - (Serious)

Montgomery County

8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)

Prince George's County

8-Hour Ozone (2015) Washington, DC-MD-VA - (Moderate)**MASSACHUSETTS**

Dukes County

8-Hour Ozone (2008) Dukes County, MA - (Marginal)**MICHIGAN**

Allegan County

*8-Hour Ozone (2015)**Allegan County, MI - (Serious)

Berrien County

8-Hour Ozone (2015) Berrien County, MI - (Serious)

Muskegon County

*8-Hour Ozone (2015)**Muskegon County, MI - (Serious)

St. Clair County

*Sulfur Dioxide (2010)**St. Clair, MI

Wayne County

*Sulfur Dioxide (2010)**Detroit, MI**MINNESOTA**

Dakota County

Lead (2008) *Eagan, MN**MISSOURI**

Dent County

Lead (2008) *Iron, Dent, and Reynolds Counties, MO

Franklin County
8-Hour Ozone (2015) *St. Louis, MO-IL - (Serious)

Iron County
Lead (2008) *Iron, Dent, and Reynolds Counties, MO

Jefferson County
Lead (1978) *Jefferson County (part); Herculaneum, MO
Lead (2008) *Jefferson County, MO
8-Hour Ozone (2015) St. Louis, MO-IL - (Serious)

New Madrid County
Sulfur Dioxide (2010) *New Madrid County, MO

Reynolds County
Lead (2008) *Iron, Dent, and Reynolds Counties, MO

St. Charles County
8-Hour Ozone (2015) St. Louis, MO-IL - (Serious)

St. Louis County
8-Hour Ozone (2015) St. Louis, MO-IL - (Serious)

St. Louis city
8-Hour Ozone (2015) St. Louis, MO-IL - (Serious)

MONTANA

Lake County
PM-10 (1987) *Lake County; Polson, MT - (Moderate)

PM-10 (1987) *Lake County; Ronan, MT - (Moderate)

Rosebud County
PM-10 (1987) *Rosebud County; Lame Deer, MT - (Moderate)

Yellowstone County
Sulfur Dioxide (1971) *Laurel Area (Yellowstone County), MT

NEVADA

Clark County
8-Hour Ozone (2015) *Las Vegas, NV - (Serious)

NEW JERSEY

Atlantic County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Serious)

Bergen County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Serious)

Burlington County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Serious)

Camden County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Serious)

Cape May County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Serious)

Cumberland County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Serious)

Essex County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Serious)

Gloucester County
8-Hour Ozone (2008) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Marginal)
8-Hour Ozone (2015) Philadelphia-Wilmington-Atlantic City, PA-NJ-MD-DE - (Serious)

Hudson County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Serious)

Hunterdon County
8-Hour Ozone (2008) New York-N. New Jersey-Long Island, NY-NJ-CT - (Severe 15)
8-Hour Ozone (2015) New York-Northern New Jersey-Long Island, NY-NJ-CT - (Serious)

Mercer County

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 445 Webster St
Chillicothe, MO 64601

OWNER: Lawrence Claussen
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116) to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA 23220-5117.

This is a two story, wooden residential structure with pitched asphalt roof, and a masonry foundation. It has a partial basement, and has metal over wood over wood siding. Electrical wiring is Romex and it has forced air HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

150 sq. ft. Non-Friable Linoleum in Good Condition in 2nd story Kitchen (NE corner of structure)

Approx. 220 LF Friable TSI and mud joints in Poor Condition in Basement (some on floor). (Could be potential of more in walls of structure)

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 502 Walnut St
Chillicothe, MO 64601

OWNER: Matthew Gatson
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a two story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has a partial basement, and has wood siding. Electrical
wiring is Romex and it has forced air HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

**Approx. 3 Sq. Ft. Friable TSI Pipe Tape in Poor Condition on 2nd Story
Floor Ductwork Damaged and Scattered**

**Approx. 3 Sq. Ft. Friable TSI Pipe Tape in Good Condition on 1st Story
Ductwork**

**Approx. 44 Sq. Ft. Friable TSI Pipe Tape in Fair Condition in Basement
on Ductwork.**

(There could be more in walls, etc)

**Approx. 80 Sq. Ft. Non-Friable Linoleum in Good Condition on 2nd Story
Floor in Bathroom**

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 631 Missouri Ave
Chillicothe, MO 64601

OWNER: Tanner Peniston
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, trailer house residential structure with flat tin roof and a shed
with a pitched asphalt roof, and a masonry foundation. It has no basement, and has
metal siding. Electrical wiring is Romex and it has forced air HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

NONE

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 720 Cowgill St
Chillicothe, MO 64601

OWNER: Michael and Johnna Tuttle
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has no basement, and has wood siding. Electrical wiring is
Romex and it has forced air HVAC.

This inspector performed as thorough of an inspection as possible of the building.
1st Story rear part of bathroom and closet in NW corner is Inaccessible due to debris.

**Missouri Certified Asbestos Inspector or Asbestos Contractor Must be Onsite
during Demolition.**

Asbestos materials include:

NONE

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 822 Jefferson St
Chillicothe, MO 64601

OWNER: Lawrence Claussen
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a two story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has a partial basement, and has vinyl over wood siding.
Electrical wiring is Romex and it has forced air HVAC.

This inspector performed as thorough of an inspection as possible of the building.
Basement is Inaccessible due to water. **Missouri Certified Asbestos Inspector or
Asbestos Contractor Must be Onsite during Demolition.**

Asbestos materials include:

**Unknown quantity of Friable TSI Pipe Tape in Basement (Can see from
stairs but quantity unknown)**

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 1 Henry St
Chillicothe, MO 64601

OWNER: Tanner Peniston
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a multi story, wooden commercial structure (grain elevator)with pitched
metal roof, and a masonry foundation. It has a partial basement, and has metal over
siding. Electrical wiring is Romex and it has no HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

NONE

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 1502 Spring Hill Rd
Chillicothe, MO 64601

OWNER: Jessica and Jason Shafer
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116) to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA 23220-5117.

This is a one story, wooden residential structure with pitched asphalt roof, and a masonry foundation. It has no basement, and has metal over wood siding. Electrical wiring is Romex and it has forced air HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

NONE

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 60 Wilson St
Chillicothe, MO 64601

OWNER: Ricard and Valinda Sampsel
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116) to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA 23220-5117.

This is a two story, wooden residential structure with pitched asphalt roof, and a masonry foundation. It has no basement, and has asphalt siding. Electrical wiring is Romex and it has forced air HVAC.

This inspector performed as thorough of an inspection as possible of the building. 2nd Story is Inaccessible due to unsafe conditions. **Missouri Certified Asbestos Inspector or Asbestos Contractor Must be Onsite during Demolition.**

Asbestos materials include:

Approx. 20 Sq. Ft. Non-Friable Linoleum in Bathroom in Good Condition

Approx. 180 Sq. Ft. Non-Friable Linoleum in Kitchen in Good Condition

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 101 Webster St
Chillicothe, MO 64601

OWNER: Robert Almond
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a two story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has no basement, and has transite siding. Electrical wiring
is Romex and it has no HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

**Approx. 2500 sq. ft. Non-Friable Transite Siding in Good Condition on
Exterior of Structure**

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 147 Brunswick St
Chillicothe, MO 64601

OWNER: Larry Johnson
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, residential structure with a pitched asphalt roof, and a masonry
foundation. It has no basement, and has wood/asphalt/tin/transite siding. Electrical
wiring is Romex and it has no HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

**Approx. 200 Sq. Ft. Non-Friable Transite Siding in Good Condition on
Exterior of Structure.**

**Approx. 10 Sq. Ft. Non-Friable Linoleum in Good Condition in Middle
of Structure.**

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 200 Liberia St
Chillicothe, MO 64601

OWNER: Michael Mathews
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has no basement, and has wood siding. Electrical wiring is
Romex and it has unknown HVAC.

This inspector performed as thorough of an inspection as possible of the building.
All of 1st story is Inaccessible due to debris. **Missouri Certified Asbestos Inspector
or Asbestos Contractor Must be Onsite during Demolition.**

Asbestos materials include:

**Approx 216 LF Non-Friable Glazing total (on 9 windows) in Fair
Condition on exterior of Structure.**

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 201 Asher St
Chillicothe, MO 64601

OWNER: Billy Oleson
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, commercial structure (church) with a pitched asphalt roof, and a
masonry foundation. It has a full basement, and has wood siding. Electrical wiring
is Romex and it has forced air HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

NONE

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 220 Clay St
Chillicothe, MO 64601

OWNER: Rusell Hart
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a two story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has a partial basement, and has transite siding. Electrical
wiring is Romex and it has forced air HVAC.

This inspector performed as thorough of an inspection as possible of the building.
Basement is Inaccessible due to water. **Missouri Certified Asbestos Inspector or
Asbestos Contractor Must be Onsite during Demolition.**

Asbestos materials include:

**2400 Sq. Ft. Non-Friable Transite Siding in Good Condition on Exterior
of Structure**

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 225 Asher St
Chillicothe, MO 64601

OWNER: Billie Oleson
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, wooden residential structures (sheds) with pitched asphalt and
metal roof, and a masonry foundation. It has no basement, and has wood siding.
Electrical wiring is Romex and it has unknown HVAC.

This inspector performed as thorough of an inspection as possible of the building.
Most of 1st story is Inaccessible due to debris or unable to get inside. **Missouri
Certified Asbestos Inspector or Asbestos Contractor Must be Onsite during
Demolition.**

Asbestos materials include:

NONE

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 223 E 2nd St
Chillicothe, MO 64601

OWNER: Lori and Jeffrey Ashford
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has no basement, and has vinyl over wood siding. Electrical
wiring is Romex and it has forced air HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

NONE

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 336 Webster St
Chillicothe, MO 64601

OWNER: Douglas Yates
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a two story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has a partial basement, and has wood siding. Electrical
wiring is Romex and it has forced air HVAC.

This inspector performed as thorough of an inspection as possible of the building.
Part of Basement is Inaccessible due to water. **Missouri Certified Asbestos
Inspector or Asbestos Contractor Must be Onsite during Demolition.**

Asbestos materials include:

**25 Sq. Ft. Friable TSI pipe tape in Good Condition (This is estimated
based on accessible areas of the basement/could be more in inaccessible areas)**

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 343 Webster St
Chillicothe, MO 64601

OWNER: James Logan
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a two story, wooden residential structure and shed with pitched asphalt roof,
and a masonry foundation. It has a partial basement, and has wood siding. Electrical
wiring is Romex and it has forced air HVAC.

This inspector performed as thorough of an inspection as possible of the building.
Part of 2nd Story Floor Inaccessible due to trash/insulation. **Missouri Certified
Asbestos Inspector or Asbestos Contractor Must be Onsite during Demolition.**
Asbestos materials include:

NONE

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 411 Reynard St
Chillicothe, MO 64601

OWNER: Mark Anderson
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has no basement, and has vinyl over transite over wood
siding. Electrical wiring is Romex and it has no HVAC.

This inspector performed as thorough of an inspection as possible of the building.
Rear Room is Inaccessible due to debris. **Missouri Certified Asbestos Inspector
or Asbestos Contractor Must be Onsite during Demolition.**

Asbestos materials include:

**1250 Sq. Ft. Non-Friable Transite Siding in Good Condition on Exterior
of Structure and some inside Structure in debris**

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 415 Waples St
Chillicothe, MO 64601

OWNER: Michael Mathews
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, residential structure (trailer house) with wooden addition with
metal roof with sloped asphalt roof, and a masonry foundation. It has no basement,
and has metal siding. Electrical wiring is Romex and it has forced air HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

Approx 700 Sq. Ft. Non-Friable Roofing on Trailer roof

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 411 Reynard St
Chillicothe, MO 64601

OWNER: Mark Anderson
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, wooden residential structure with pitched asphalt roof, and a
masonry foundation. It has no basement, and has vinyl over transite over wood
siding. Electrical wiring is Romex and it has no HVAC.

This inspector performed as thorough of an inspection as possible of the building.
Rear Room is Inaccessible due to debris. **Missouri Certified Asbestos Inspector
or Asbestos Contractor Must be Onsite during Demolition.**

Asbestos materials include:

**1250 Sq. Ft. Non-Friable Transite Siding in Good Condition on Exterior
of Structure and some inside Structure in debris**

Red Rock Inspections

14724 St Hwy TT

Kidder, MO 64649

Tyler Cell: (816)632-0193

E-mail: redrock8460@gmail.com

Derrick

Cell: (816)632-8656

February 15, 2026

ASBESTOS INSPECTION REPORT

INSPECTION ADDRESS: 415 Waples St
Chillicothe, MO 64601

OWNER: Michael Mathews
715 Washington St
Chillicothe, MO 64601

DATE OF INSPECTION: October 29, 2025

Certified asbestos inspector, Derrick Fee, Certificate Number
7011052825MOIR19312 performed the inspection.

Samples of suspect materials were sent for analysis using PLM (EPA 600/R-93/116)
to Schneider Laboratories Global, Inc., 2512 West Cary Street, Richmond, VA
23220-5117.

This is a one story, residential structure (trailer house) with wooden addition with
metal roof with sloped asphalt roof, and a masonry foundation. It has no basement,
and has metal siding. Electrical wiring is Romex and it has forced air HVAC.

This inspector performed a thorough inspection of the building.

Asbestos materials include:

Approx 700 Sq. Ft. Non-Friable Roofing on Trailer roof



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: RedRock (4963)
Address: 14724 St Hwy TT
Kidder, MO 64649

Order #:	669329
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Received 02/02/26
Analyzed 02/04/26
Reported 02/06/26

Attn:

Project: Chillicothe 2026 Demo
Location: 220 Clay St Chillicothe MO
Number: C-5

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763 with Point Count **PLM Analysis**

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
669329-001	10/29/25	C-5-6	220 Clay St		
Layer 1: Glazing Off White, Granular, Homogenous				0.75% CHRYSOTILE	99.25% NON FIBROUS MATERIAL

EPA Regulatory Limit: 1%
Total layers analyzed on order: 1

Analyst **Leena Elshouia**

669329-02/06/26 10:37 AM

Reviewed By: **Thoria Nadiem**
Microscopy Manager

Reporting limit: 0.25% Samples analyzed by the EPA Point Count test method. The EPA recommends that any attic loose fill vermiculite sample with a trace (<1) or greater amount of asbestos is a concern and should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement. Laboratory estimated asbestos error rates available upon request. The test results apply to the sample as received.



SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117
 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
 www.slabinc.com e-mail: info@slabinc.com

669329

V: 669/669329
 2/2/2026 9:49:00 AM
 thawks
 Hand Delivered N/A

S 1

Submitting Co. Red Rock	Lab #/OS	Phone 818-632-9636
14724 St Hwy TT	Acct # 4953	Fax / Email redrock2450@gmail.com
Kidder, MO 64648	State of Collection MO	*Cert. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: Chillicothe 2026 Demo	Special Instructions [include requests for special reporting or data packages]	
Project Location: 220 Clay St Chillicothe, MO		
Project Number: C-5		
PO Number:		

Turn Around Time (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analyses (Select ALL that Apply)		
<input type="checkbox"/> 2 hour <input type="checkbox"/> Same day* <input type="checkbox"/> 1 business day* <input type="checkbox"/> 2 business days* <input type="checkbox"/> 3 business days* <input checked="" type="checkbox"/> 5 business days* <small>* Not available for all tests</small> <small>A job received past 3PM will begin its TAT the next business day</small> <small>Schedule your sampling, materials & methods in advance</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Whole <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water/Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Other Asbestos Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Other	Asbestos in Soil <input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Checklist) <input type="checkbox"/>	Metals/TCM <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCRP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 10 day Microbiology <input type="checkbox"/> BACT (MPN & PIA) <input type="checkbox"/> Mold Direct Exam <input type="checkbox"/>

Sample #	Date Sampled*	Time Sampled*	Sample Identification (Employee, SSN, Bldg, Material, Type*)	Wiped Area (ft ²)	pH / Temp *	Time*		Flow Rate*		Total Air
						Start	Stop	Start	Stop	
C-5-1	10/29/15		Siding							
C-5-2			Tarpaper							
C-5-3			Sheetrock/Hedure							
C-5-4			Plaster							
C-5-5			Caulking							
C-5-6			glazing							
C-5-7			floor tile							
C-5-8			roofing							
C-5-9			IC							

*Typical Ambient Air Quality Professional E-Generation. *Engineering of Sample Period. *Pump Calibration in Laboratory. *Volume in Liters. *Flow in L/min. *Flow in L/min. All soil and surface samples must be sent in appropriate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME <u>Derrick Fee</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>11/12/15</u>	Relinquished to lab by NAME <u>Derrick Fee</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>11/12/15</u>	For Lab Use:
Sample Disposal <input type="checkbox"/> Return to Sender <input type="checkbox"/> Disposal by Lab <input type="checkbox"/>		

*Temperature taken with RT Gun A. *Revised. Chain-of-Custody documentation provided internally within the Terms and conditions page 2.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: RedRock (4963)
Address: 14724 St Hwy TT
Kidder, MO 64649

Order #:	669331
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Received 02/02/26
Analyzed 02/06/26
Reported 02/06/26

Attn:

Project: Chillicothe 2026 Demo
Location: 343 Webster St Chillicothe MO
Number: C-2

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763 with Point Count **PLM Analysis**

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
669331-001	10/29/25	C-2-9	343 Webster St	0.50% CHRYSOTILE	99.50% NON FIBROUS MATERIAL
Layer 1: Glazing					
White, Granular, Homogenous					

EPA Regulatory Limit: 1%
Total layers analyzed on order: 1

Analyst **Thoria Nadiem**

669331-02/06/26 04:00 PM

Reviewed By: **Ben Wood**
Laboratory Director

Reporting limit: 0.25% Samples analyzed by the EPA Point Count test method. The EPA recommends that any attic loose fill vermiculite sample with a trace (<1) or greater amount of asbestos is a concern and should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement. Laboratory estimated asbestos error rates available upon request. The test results apply to the sample as received.



SCHNEIDER LABORATORIES GLOBAL, INC.

2512 West Cary Street, Richmond, Virginia 23220-5117
 804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
 www.slabinc.com e-mail: info@slabinc.com

S 1

669331

V:6691669331

thawks 2/2/2026 9:49:00 AM
 Hand Delivered N/A

Submitting Co. Red Rock	Lab WOP	Phone 818-832-8888
14724 St Hwy TT	Acct # 4963	Fax / Email redrock4420@gmail.com
Kiddler, MO 64643	State of Collection MO	**Cert. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: Chillicothe 2026 Demo	Special Instructions (Include requests for special reporting or data packages)	
Project Location: 343 Webster St Chillicothe, MO		
Project Number: C-2		
PO Number:		

Turn Around Time (TAT) <input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day† <input type="checkbox"/> 1 business day† <input type="checkbox"/> 2 business days† <input type="checkbox"/> 3 business days† <input checked="" type="checkbox"/> 5 business days† <small>* Not available for all tests</small> <small>† A job received past 3PM will begin its TAT the next business day</small> <small>Schedule with organic, multi-media & untested tests in advance</small>	Matrix / Sample Type (Select ONE) <small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Water/Drinking <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Tests / Analysis (Select ALL that Apply)		
		Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Other	Asbestos in Bulk <input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chertfield)	Metals - Total <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 30 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam

Sample #	Date Sampled	Time Sampled	Sample Identification (Employee, SSN, Bldg, Material, Type)	Wiped Area (ft²)	pH / Temp	Time*		Flow Rate*		Total Air
						Start	Stop	Start	Stop	
C-2-1	10/29/25		roofing							
C-2-2			"							
C-2-3			"							
C-2-4			ter paper							
C-2-5			plaster							
C-2-6			"							
C-2-7			floor tile / ter paper							
C-2-8			floor tile							
C-2-9			glazing							
C-2-10			insulation							
C-2-11			Linoleum							
C-2-12			"							

*Type: Airflow by Mask, Personal Dr-Extraction, *Beginning/End of Sample Period, *Pump Calibration in Use/Available, *Volume in Liters (Min to Max in L/min)
 †All soil and asbestos samples must be sent to laboratory weekly for duplicate analysis to be performed per EPA requirements. Failure to perform a duplicate analysis due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be washed and disposed of.

Sampled by NAME <u>Derrick Fee</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/29/25</u>	Relinquished to lab by NAME <u>Derrick Fee</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>11/4/26</u>	For Lab Use:
Sample Disposal <input type="checkbox"/> Return to Sender <input checked="" type="checkbox"/> Disposal by Lab (see lab for excessive weight)		

*Temperature taken with RT Cam A. **Required. Chain-of-Custody documentation continued informally within lab. Terms and conditions page 2.



Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: RedRock (4963)
Address: 14724 St Hwy TT
Kidder, MO 64649

Order #:	669328
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Received 02/02/26
Analyzed 02/04/26
Reported 02/06/26

Attn:

Project: Chillicothe 2026 Demo
Location: 445 Webster St Chillicothe MO
Number: C-1

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763 with Point Count **PLM Analysis**

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
669328-001	10/29/25	C-1-13	445 Webster St		
Layer 1: Glazing Gray, Granular, Homogenous				0.75% CHRYSOTILE	99.25% NON FIBROUS MATERIAL

EPA Regulatory Limit: 1%
Total layers analyzed on order: 1

669328-02/06/26 10:36 AM

Analyst **Leena Elshouia**

Reviewed By: **Thoria Nadiem**
Microscopy Manager

Reporting limit: 0.25% Samples analyzed by the EPA Point Count test method. The EPA recommends that any attic loose fill vermiculite sample with a trace (<1) or greater amount of asbestos is a concern and should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement. Laboratory estimated asbestos error rates available upon request. The test results apply to the sample as received.



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669328

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thawks

2/2/2026 9:49:00 AM

Hand Delivered

N/A

Submitting Co. Red Rock	Lab WOF	Phone 615-632-8625
14724 St Hwy TT	Acct # 4863	Fax / Email redrock@slab.com
Kilmer, MO 64648	**State of Collection MO	**Cert. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: Chillicothe 2026 Demo	Special Instructions (Include requests for special reporting or data packages)	
Project Location: 445 Webster St Chillicothe MO		
Project Number: C-1		
PO Number:		

Turn Around Time (TAT)	Matrix / Sample Type (Select One)	Tests / Analysis (Select ALL that Apply)
<input type="checkbox"/> 2 hours* <input type="checkbox"/> Same day † <input type="checkbox"/> 1 business day † <input type="checkbox"/> 2 business days † <input type="checkbox"/> 3 business days † <input checked="" type="checkbox"/> 5 business days † <small>* Not available for all tests † A job received past 3PM will begin its TAT the next business day Schedule with organizer, materials & methods leads in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> HI-Vol Filter (PM10) <input type="checkbox"/> Water/Drinking <input type="checkbox"/> HI-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Miscellaneous Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) Other: <input type="checkbox"/> Asbestos in Bulk <input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chuffield) <input type="checkbox"/> FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:
		Metals - Total <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TCLP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) to day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exzm <input type="checkbox"/>

Sample #	Date Sampled	Time Sampled	Sample Identification (Employee, SSN, Bldg, Material, Type)	Wiped Area (ft²)	pH / Temp	Time		Flow Rate		Total Air	
						Start	Stop	Start	Stop		
C-1-11	10/29/25		Linoleum								
C-1-12			"								
C-1-13			glazing								
C-1-14			Linoleum								
C-1-15			"								
C-1-16			"								
C-1-17			"								
C-1-18			Sheetrock								
C-1-19			Linoleum								
C-1-20			"								
C-1-21		Ceiling tile									
C-1-22		Insulation									
C-1-23		Insulation									

*Type: A=Area; B=Blank; P=Personal; E=Enclosure; †Highly skilled or Sample Period; ‡Pump Calibration in Laboratory; †Volume in Liters; ‡Flow in ml/min in L/min
 All soil and asbestos samples must be held in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate sample due to a lack of sample quantity, will lead to a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME: <u>Daniel Bee</u> SIGNATURE: <u>[Signature]</u> DATE/TIME: <u>10/30/25</u>	Relinquished to lab by NAME: <u>Daniel Bee</u> SIGNATURE: <u>[Signature]</u> DATE/TIME: <u>11/17/26</u>	For Lab Use:
Sample Disposal <input type="checkbox"/> Return to Sender (shipping fees) <input checked="" type="checkbox"/> Disposal by Lab (see fee for service sheet)		

Temperature taken with IR Gun A. *Required. Chain of Custody documentation continued internally within lab. Terms and conditions page 2.



Analysis Report

Schneider Laboratories Global, Inc

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804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: RedRock (4963)
Address: 14724 St Hwy TT
Kidder, MO 64649

Order #:	669334
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Received 02/02/26
Analyzed 02/09/26
Reported 02/09/26

Attn:

Project: Chillicothe 2026 Demo
Location: 502 Walnut St Chillicothe MO
Number: C-9

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763 with Point Count **PLM Analysis**

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
669334-001	10/29/25	C-9-8	502 Walnut St		
Layer 1: Glazing White, Granular, Homogenous				0.50% CHRYSOTILE	99.50% NON FIBROUS MATERIAL

EPA Regulatory Limit: 1%
Total layers analyzed on order: 1

Analyst **Eisen Zhao**

669334-02/09/26 04:45 PM

Reviewed By: **Thoria Nadiem**
Microscopy Manager

Reporting limit: 0.25% Samples analyzed by the EPA Point Count test method. The EPA recommends that any attic loose fill vermiculite sample with a trace (<1) or greater amount of asbestos is a concern and should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement. Laboratory estimated asbestos error rates available upon request. The test results apply to the sample as received.

669334

V:16691669334

thawks

2/2/2026 9:49:00 AM

Hand Delivered

N/A

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 www.slabinc.com e-mail: info@slabinc.com



Submitting Co. Red Rock	Lab WDP	Phone 818-832-8888
14724 St Hwy TT	Acct # 4463	Fax / Email redrocklab@gmail.com
Waller, MD 21468	Study of Collection NO	*Cont. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: Chillicothe 2026 Demo		Special Instructions (include requests for special reporting or data packages)
Project Location: 502 Walnut St Chillicothe, Mo		
Project Number: C-9		
PO Number:		

<input type="checkbox"/> 2 hour <input type="checkbox"/> Same day <input type="checkbox"/> 1 business day <input type="checkbox"/> 2 business days <input type="checkbox"/> 3 business days <input checked="" type="checkbox"/> 5 business days <small>* Not available for all tests</small> <small>A job received past 5PM will begin the next business day</small> <small>Schedule your samples, make sure to include date in advance</small>	Matrix / Sample Type (Select One) <small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Aqueous <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> 15-Vol Filter (PM10) <input type="checkbox"/> 15-Vol Filter (TSP) <input type="checkbox"/> Oil <input type="checkbox"/> Paint <input type="checkbox"/> Sludge <input type="checkbox"/> Soil <input type="checkbox"/> Solid <input type="checkbox"/> Waste <input type="checkbox"/> Wastewater <input type="checkbox"/> Water Drinking <input type="checkbox"/> Compliance <input type="checkbox"/> Vape <input type="checkbox"/> Wipes, Composite <input type="checkbox"/>	Airborne in Air <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Microbiological Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/>	Asbestos in Air <input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Checklist) <input type="checkbox"/>	Analytical Tests <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) test <input type="checkbox"/>
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Sample #	Date Sampled	Time Sampled	Sample Identification (Employee, SSN, Dept, Material, Type*)	Wiped Area (ft²)	pH / Temp *	Time		Flow Rate		Total Air
						Start	Stop	Start	Stop	
C-9-1	10/29/25		roofing							
C-9-2			linoleum							
C-9-3			Floor tile							
C-9-4			Linoleum							
C-9-5			Plaster							
C-9-6			caulking							
C-9-7			"							
C-9-8			glazing							
C-9-9			sheetrock/s compound							
C-9-10			Insulation							
C-9-11			texture							
C-9-12			Linoleum							
C-9-13			"							
C-9-14			"							
C-9-15			tar							

*Type: A=Area B=Blank P=Personal E=Environment T=Throughput of Sample Period *Temp Calibration by User/Technician *Volume in Liters (based on rate or flow in L/min)
 All dust and organic samples must be used in adequate quantity for duplicate analysis in the laboratory per EPA requirements. Failure to provide a sample quantity suitable for duplicate analysis will result in a disclaimer on the report. All problems with container exposure held over 90 days will be voided and discarded.

Sampled by NAME <u>Derrick Fee</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/30/25</u>	Relinquished to lab by NAME <u>Derrick Fee</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>1/14/26</u>	For Lab Use: _____ _____ _____
Sample Disposal <input type="checkbox"/> Return to Sender <input type="checkbox"/> Disposal by Lab per EPA requirements		

* This package complies with RCRA A. *Refrigerated. *Check off Custody documentation completed internally within lab. Terms and conditions page 2.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: RedRock (4963)
Address: 14724 St Hwy TT
Kidder, MO 64649

Order #:	669333
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Received 02/02/26
Analyzed 02/06/26
Reported 02/06/26

Attn:

Project: Chillicothe 2026 Demo
Location: 822 Jefferson St Chillicothe
Number: C-11

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763 with Point Count **PLM Analysis**

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
669333-001	10/29/25	C-11-2	822 Jefferson St		
Layer 1: Texture White, Granular, Homogenous				0.50% CHRYSOTILE	99.50% NON FIBROUS MATERIAL

EPA Regulatory Limit: 1%
Total layers analyzed on order: 1

Analyst **Thoria Nadiem**

669333-02/06/26 04:02 PM

Reviewed By: **Ben Wood**
Laboratory Director

Reporting limit: 0.25% Samples analyzed by the EPA Point Count test method. The EPA recommends that any attic loose fill vermiculite sample with a trace (<1) or greater amount of asbestos is a concern and should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement. Laboratory estimated asbestos error rates available upon request. The test results apply to the sample as received.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: RedRock (4963)
Address: 14724 St Hwy TT
Kidder, MO 64649

Order #:	669330
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Received 02/02/26
Analyzed 02/06/26
Reported 02/06/26

Attn:

Project: Chillicothe 2026 Demo
Location: 101 Webster St Chillicothe MO
Number: C-4

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763 with Point Count **PLM Analysis**

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
669330-001	10/29/25	C-4-7	Floor	0.75% CHRYSOTILE	99.25% NON FIBROUS MATERIAL
Layer 1: Floor Tile					
Gray, Organically Bound, Homogenous					

EPA Regulatory Limit: 1%
Total layers analyzed on order: 1

Analyst **Thoria Nadiem**

669330-02/06/26 03:58 PM

Reviewed By: **Ben Wood**
Laboratory Director

Reporting limit: 0.25% Samples analyzed by the EPA Point Count test method. The EPA recommends that any attic loose fill vermiculite sample with a trace (<1) or greater amount of asbestos is a concern and should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement. Laboratory estimated asbestos error rates available upon request. The test results apply to the sample as received.



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www.slabinc.com e-mail: info@slabinc.com

669330

V: 6691669330
thawks 2/2/2026 9:49:00 AM
Hand Delivered N/A
U.S. Mail N/A

S 1

Submitting Co. Red Rock	Lab W/O#	Phone 810-932-9025
14724 St Hwy TT	Acct # 4953	Fax / Email redrock@slabinc.com
Kenner, MO 64649	State of Collection MO	**Cert. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Project Name: Chillicothe 2026 Demo	Special Instructions (include requests for special reporting or data packages)	
Project Location: 101 Webster St Chillicothe, MO		
Project Number: C-4		
PO Number:		

Turn Around Time (TAT) <input type="checkbox"/> 2 hours <input type="checkbox"/> Same day <input type="checkbox"/> 1 business day <input type="checkbox"/> 2 business days <input type="checkbox"/> 3 business days <input checked="" type="checkbox"/> 5 business days <small>* Not available for all tests</small> <small>A job received past 3PM will begin the TAT the next business day</small> <small>Schedule next agencies, materials & equipment leads in advance</small>	Matrix / Sample Type (Select ONE) <small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Aqueous <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Hi-Vol Filter (PM10) <input type="checkbox"/> Hi-Vol Filter (TSP) <input type="checkbox"/> Oil <input type="checkbox"/> Paint <input type="checkbox"/> Sludge <input type="checkbox"/> Soil <input type="checkbox"/> Solid <input type="checkbox"/> Waste <input type="checkbox"/> Wastewater <input type="checkbox"/> Water/Drinking <input type="checkbox"/> Compliance <input type="checkbox"/> Wipe <input type="checkbox"/> Wipe, Composite	Test / Analysis / Method (Select ALL that apply) Asbestos in Air <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) Asbestos in Soil <input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Chalkfield) <input type="checkbox"/> Other Metals - Total <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals TSP <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) 70 day Microbiology <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam
	Additional Tests <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500)	FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:

Sample #	Date Sampled	Time Sampled	Sample Identification (Employee, SSN, Bldg, Material, Type)	Wiped Area (sq ft)	pH / Temp	Time		Flow Rate		Total Air
						Start	Stop	Start	Stop	
C-4-1	10/29/25		low paper							
C-4-2			Siding							
C-4-3			glazing							
C-4-4			wallboard							
C-4-5			texture							
C-4-6			sheetrock							
C-4-7			Floor tile							
C-4-8			"							
C-4-9			Ca/king							
C-4-10			roofing							
C-4-11			"							
C-4-12			"							

*Type: Airborne In-Stack or Personal Exposure; *Length: End of Sample Period; *Pump Calibration by Laboratory; *Follow by User; *When in use in Show in Listing

All soil and asbestos samples must be used in duplicate quantity for duplicate analysis to be performed per EPA requirements. Failure to purchase a sample duplicate analysis, due to a lack of sample quantity, will result in a disclaimer on the report. All problem jobs without customer response held over 30 days will be voided and disposed of.

Sampled by NAME: <u>Demetrius</u> SIGNATURE: <u>[Signature]</u> DATE/TIME: <u>10/29/25</u>	Relinquished to lab by NAME: <u>Demetrius</u> SIGNATURE: <u>[Signature]</u> DATE/TIME: <u>11/4/26</u>	For Lab Use:
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Return to Sender Disposal by Lab (only for asbestos waste)
Temperature label with IR Gun A. *Required. Chain of Custody documentation controls and laboratory within lab. Terms and conditions page 2.



Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: RedRock (4963)
Address: 14724 St Hwy TT
Kidder, MO 64649

Order #:	669332
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Received 02/02/26
Analyzed 02/09/26
Reported 02/09/26

Attn:

Project: Chillicothe 2026 Demo
Location: 147 Brunswick
Number: C-19

Method: EPA 600/R-93/116 & 40 CFR App. E Sub. E Pt. 763 with Point Count **PLM Analysis**

Sample ID	Collected	Cust. ID	Location	Asbestos Fibers	Other Materials
669332-001	10/29/25	C-19-6	147 Brunswick		
Layer 1: Joint Compound Beige, Granular, Homogenous				0.75% CHRYSOTILE	99.25% NON FIBROUS MATERIAL

EPA Regulatory Limit: 1%
Total layers analyzed on order: 1

Analyst **Eisen Zhao**

669332-02/09/26 04:37 PM

Reviewed By: **Thoria Nadiem**
Microscopy Manager

Reporting limit: 0.25% Samples analyzed by the EPA Point Count test method. The EPA recommends that any attic loose fill vermiculite sample with a trace (<1) or greater amount of asbestos is a concern and should be treated as asbestos containing material. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement. Laboratory estimated asbestos error rates available upon request. The test results apply to the sample as received.



SCHNEIDER LABORATORIES GLOBAL, INC.

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 V:1669\669332
 thawks
 Hand Delivered 2/2/2026 9:49:00 AM
 N/A

Submitting Co. Real Beach		Lab NO#	Phone
14724 SE Hwy TT		Acct #	616-633-3656
Kahler, MD 64640		State of Collection	Fax / Email
		ISO	mailto:669332@gmail.com
Project Name: Chillita the 2026 Demo		Special Instructions (include requests for special reporting or data packages)	
Project Location: 147 Brunswick			
Project Number: C-19		Cont. Required <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
PO Number:			

Time / Analysis (TAT)	Matrix / Sample Type (Select ONE)	Tests / Analytes (Select ALL that apply)		
<input type="checkbox"/> 2 hours <input type="checkbox"/> Same day † <input type="checkbox"/> 1 business day † <input type="checkbox"/> 2 business days † <input type="checkbox"/> 3 business days † <input checked="" type="checkbox"/> 5 business days † <small>† Not available for all tests A job received past 3PM † will begin its TAT the next business day Schedule mail agencies, materials & residential tests in advance.</small>	<small>All samples on form should be of SAME matrix type. Use additional forms as needed.</small> <input type="checkbox"/> Air <input type="checkbox"/> Solid <input type="checkbox"/> Aqueous <input type="checkbox"/> Waste <input checked="" type="checkbox"/> Bulk <input type="checkbox"/> Wastewater <input type="checkbox"/> HI-Vol Filter (PM10) <input type="checkbox"/> Water, Drinking <input type="checkbox"/> HI-Vol Filter (TSP) <input type="checkbox"/> Compliance <input type="checkbox"/> Oil <input type="checkbox"/> Wipe <input type="checkbox"/> Paint <input type="checkbox"/> Wipe, Composite <input type="checkbox"/> Sludge <input type="checkbox"/> <input type="checkbox"/> Soil <input type="checkbox"/>	<small>Asbestos in Air:</small> <input type="checkbox"/> PCM (NIOSH 7400) <input type="checkbox"/> TEM (AHERA) <input type="checkbox"/> TEM (EPA Level II) <small>Micro-Asbestos Tests:</small> <input type="checkbox"/> Total Dust (NIOSH 0500) <input type="checkbox"/> Resp. Dust (NIOSH 0600) <input type="checkbox"/> Silica - FTIR (NIOSH 7602) <input type="checkbox"/> Silica - XRD (NIOSH 7500) <input type="checkbox"/> Other	<small>Asbestos in Bulk:</small> <input checked="" type="checkbox"/> PLM <input type="checkbox"/> PLM (Point Count) <input type="checkbox"/> PLM (Qualitative only) <input type="checkbox"/> NYELAP <input type="checkbox"/> CAELAP (Point Count) <input type="checkbox"/> TEM (Checkfield)	<small>Metals/Total:</small> <input type="checkbox"/> Lead <input type="checkbox"/> RCRA Metals <small>TCLP:</small> <input type="checkbox"/> TCLP / Lead <input type="checkbox"/> TCLP / RCRA Metals <input type="checkbox"/> TCLP / Full (w/ organics) metal <small>Microbiology:</small> <input type="checkbox"/> BACT (MPN & P/A) <input type="checkbox"/> Mold Direct Exam
		FOR ASBESTOS AIR: TYPE OF RESPIRATOR USED:		

Sample #	Date Sampled	Time Sampled	Sample Identification (Employee, SSN, Bldg, Material, Type)	Vaped Area (ft²)	pH / Temp	Time		Flow Rate		Total Air
						Start	Stop	Start	Stop	
C-19-1	10/29/25		siding							
C-19-2			glazing							
C-19-3			tee paper							
C-19-4			siding							
C-19-5			sheetrock							
C-19-6			joint compound							
C-19-7			Linoleum							
C-19-8			roofing							
C-19-9										
C-19-10			plaster							

*Type: A=Asbestos Bulk; P=Personal Exposure; C=Compliance; O=Out of Sample Period; T=Temp Collection in Microclimate; V=Volume in Liters (Flow in mL/min = Flow in Liters)
 All soil and asbestos samples must be sent in adequate quantity for duplicate analysis to be performed per EPA requirements. Failure to perform a sample duplicate analysis due to a lack of sample quantity will lead to a disclaimer on the report. All asbestos jobs without continuous respirator held over 30 days will be voided and disposed of.

Sampled by NAME <u>Derrick Lee</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>10/30/25</u>	Relinquished to lab by NAME <u>Derrick Lee</u> SIGNATURE <u>[Signature]</u> DATE/TIME <u>1/14/26</u>	For Lab Use:
Sample Disposal <input type="checkbox"/> Return to Sender <input checked="" type="checkbox"/> Disposed by Lab per EPA requirements		

* Temperature listed with RI Chem A. *Revised. Chain-of-Custody documentation continued internally within lab. Terms and conditions page 2.

CONTAMINATION AND TOXIC MATERIALS

24 CFR 58.5(i) (2)

*Removal of Hazardous Waste must comply with the [DNR Universal Waste Rule](#)

1. Is fill/borrow material required for the project? YES NO
If "Yes," complete a separate "Contamination and Toxic Materials" worksheet for the fill site.
2. Explain previous uses of the project site and attach acceptable documentation: *(historical research of property, information from prior land owners, deed, title, easements, liens, aerial photographs, etc.)*

3. A Phase I ESA should be completed if the site meets any of the following criteria. List the websites the ER preparer uses to verify contamination and/or toxic materials, such as Superfund, eStart, Landfills, Underground Storage Tanks (UST), Enforcement and Compliance History Online (ECHO), U.S. Environmental Protection Agency (EPA), Envirofacts, etc.

Involves new construction of a facility that will be occupied by people

Within 1 mile of a [Superfund Site](#)

Within 1 mile of a MO Department of Natural Resources ([MO DNR E-Start](#) active site

Within 0.5 mi. of a Toxic Release, Brownfield, Long-term Stewardship, or Inactive Voluntary Cleanup Program (VCP) site

Within 0.5 mi. of a Leaking UST

On or adjacent to any MO DNR eStart hazardous substance or storage tank site.

Has an [underground storage tank](#)

Hazardous substances, pollutants, or contaminants have been stored or dumped on the site

Is near an industry or in an industrial area disposing of chemicals and/or hazardous waste

Within 0.5 mi. of a [landfill site](#)

4. If one of the above criterion was selected, but a Phase I ESA has/will not be completed, please indicate why.

5. Phase I:
 - a. Has a current ASTM Phase I ESA been completed? YES NO
 - b. Based on the Phase I, does contamination exist or is suspected to exist at the site?
YES NO
N/A

5. Phase II:

- | | | |
|--|-----|----|
| A. Is a Phase II Assessment recommended? | YES | NO |
| B. Has a Phase II Assessment already been completed? | YES | NO |
| C. Based on the Phase II Assessment, does contamination exist at the site? | YES | NO |

7. If present, explain if contamination will affect the health and safety of occupants or conflict with intended use of the site, how it will be addressed, and/or any contamination cleanup procedures and mitigation and whether the cost and timeline for cleanup are feasible for the project.

LEAD-BASED PAINT:

Does the project involve any activities done for compensation that disturbs painted surfaces (includes most repair, remodeling, and maintenance activities, as well as weatherization and demolition) to residential houses, apartments, and child-occupied facilities built before 1978? YES NO

If "Yes," requirements associated with the [Renovation, Repair, and Painting Program Rule](#) must be followed, including testing all affected surfaces coated with paint, shellac, varnish, stain, coating or even paint covered by wallpaper, if it will be disturbed during the renovation work, and the use of an EPA "Certified Renovator."

*For projects involving rehabilitation, rental assistance, homebuyer assistance, leasing, or support services for a residential property or the operation of emergency shelters, please use [the Lead Rule Compliance Advisor](#) to determine compliance with HUD's Lead Safe Housing Rule.

*Presence of lead should be considered for painted bridges and water towers and soil of child-occupied facilities.

RADON:

1. Does the project entail new construction for residential purposes, long term occupancy of people, or schools? YES NO
If "Yes", radon resistant construction practices and/or a radon mitigation system are required.

2. Does the project entail substantial rehabilitation to any building for residential purposes, long term occupancy of people, or schools? YES NO
If "Yes", radon testing, along with mitigation for levels of 4.0 picocuries per liter or higher, is required.

Explain all mitigation measures and/or required permits required for contamination and toxic materials, lead-based paint, and radon:

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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, etc.)

MAP LAYERS

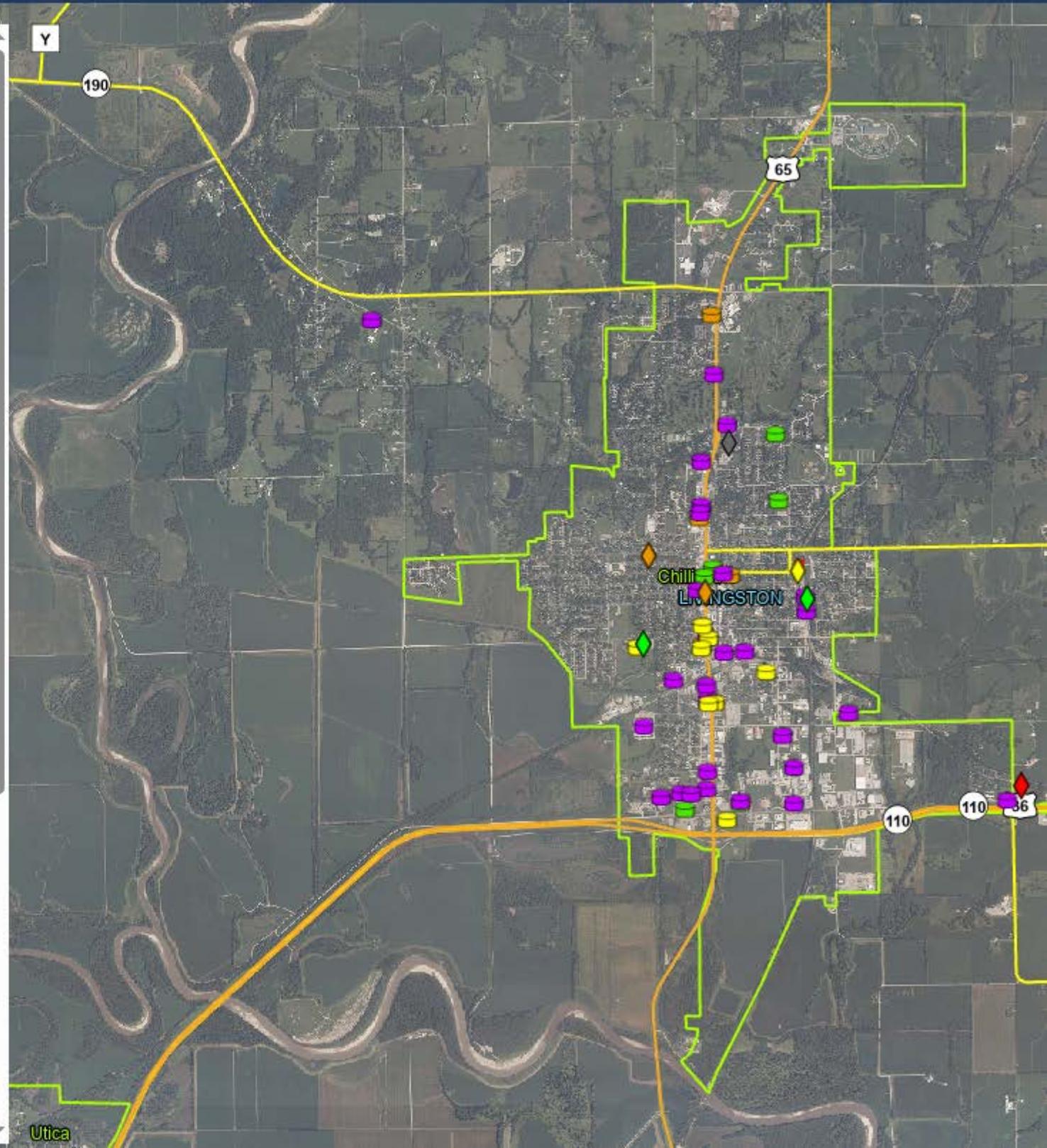
2024 IMAGERY

HAZARDOUS SUBSTANCE INVESTIGATION AND CLEANUP SITES

-  Activity and Use Limitation Area
-  Site Area
-  Active
-  Long-Term Stewardship
-  Environmental Notice
-  Completed
-  Brownfield Assessment
-  Inactive VCP (Terminated/Withdrawn)

REGULATED PETROLEUM AND HAZARDOUS SUBSTANCE STORAGE TANK FACILITIES

-  Activity and Use Limitation Area
- All Operating Underground Storage Tank Facilities
 -  Investigation/Corrective Action is Ongoing or Incomplete
 -  No Further Action Letter Issued With Restriction
 -  Facility Closed Prior to Implementation of 2004 Tanks RBCA
 -  No Further Action Letter Issued Without Restriction
 -  Operating UST Facilities with No Known Release
 -  Administrative Closure
- Former Underground Storage Tank Facilities
 -  Investigation/Corrective Action is Ongoing or Incomplete
 -  No Further Action Letter Issued With Restriction
 -  Facility Closed Prior to Implementation of



ENVIRONMENTAL JUSTICE

[Executive Order 12898](#)

***HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, have been completed.**

- | | | |
|---|-----|----------|
| 1. Were any adverse environmental impacts identified in the preceding compliance review portion of this environmental review? | YES | NO |
| 2. If yes to Question 1, were these adverse environmental impacts disproportionately high for low-income and/or minority communities? Include maps showing project area's income and minority levels. | YES | NO
NA |
| 3. If yes to Question 2, can the adverse impacts be mitigated?

*The affected community should be meaningfully informed and involved in the planning process to address the adverse effects | YES | NO
NA |

Compliance Determination Summary: Provide a clear description of your determination and a synopsis of the information that it was based on (e.g. 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, etc.)

Additional Environmental Factors

(For EA Only)

CLIMATE AND ENERGY

1. Climate Change Impacts: consider the likely impacts of climate change on the project's short-and long-term suitability and resilience. Refer to:

<https://www.hudexchange.info/programs/environmental-review/environmental-assessment/guide/climate-and-energy/climate-change-impacts/>

2. Energy Efficiency: Important considerations include location and siting, appliance and green building standards, energy and water use, and project financing. Refer to

<https://www.hudexchange.info/programs/environmental-review/environmental-assessment/guide/climate-and-energy/energy-efficiency/>

LAND DEVELOPMENT

1. Conformance with Plans: Briefly explain whether the proposed project conforms to current community plans. Attach relevant pages from community's plan.

2. Compatible Land Use and Zoning: Describe the proposed and adjacent sites' current land use and zoning. Include current zoning map.

3. Scale and Urban Design: If new construction, how will the project conform with the surrounding natural and built environment?

4. Soil Suitability: Briefly explore the soil suitability for the land use associated with this project. Attach geotechnical or soil study.

5. Slope: If the site is on a slope, how will the project be affected and how might the project affect slope conditions? How will they be addressed?

5. Erosion: If site clearance is necessary, explain the measures that will be taken to manage and control it. Describe any erosion control measures at project completion that will be included in the construction contract.

7. Drainage/ Storm Water Runoff: Consider the impact of the project on storm water drainage and the impact of storm water on the project, particularly in regard to the proximity of the system (natural flow, storm sewer, or combined sewer) and the capacity of the system to accommodate the project.

8. Hazards and Nuisances/Including Site Safety and Noise: Describe the considerations made to ensure that the project is located and designed to minimize potential risk to the public or project users from both natural and man-made risks .

SOCIOECONOMIC

1. Employment and Income Patterns: Describe the potential affect the project will have on local employment, including temporary jobs created during construction, permanent jobs, and the job requirements of the new residents.

2. Demographic Character Changes: Briefly explore the possible effects the project could have on the social networks, institutional ties, and physical dimensions that make up the community(ies) within the area of the likely impact of the proposed project.

3. Displacement: Will the project result in direct or indirect displacement? If so, explain the measures in place to alleviate the hardship associated with the displacement.

4. [Environmental Justice](#): Is the project located in or likely to affect a community with potential environmental justice concerns? Has the impacted community been meaningfully informed and involved in a participatory planning process for the project? Will the project expose these communities to disproportionate adverse environmental or human health conditions? Keep in mind that such communities may have greater vulnerabilities due to health disparities. How can the adverse impacts be mitigated?

COMMUNITY FACILITIES AND SERVICES

1. Educational and Cultural Facilities: If the proposed project will directly or indirectly affect growth of the population, discuss whether there is adequate capacity in current schools and safe access to them, as well as any measures that will be taken to mitigate adverse impacts.

2. Commercial Facilities: If the proposed project will directly or indirectly affect growth of the population, explain if existing commercial facilities are adequate. For Economic Development projects, explain the implications the project will likely have on surrounding commercial establishments.

3. Health Care: If the proposed project will directly or indirectly affect growth of the population, consider the access to and capacity of emergency and non-emergency health care services.

4. Social Services: If the project will result in new residents/users of social services, consider the availability and accessibility of appropriate services.

5. Solid Waste Disposal/Recycling: Describe the waste associated with all phases of the project, as well as

6. Waste Water/Sanitary Sewers: For all new development, consider the availability of adequate wastewater disposal services.

7. Water Supply: For all new development, consider the availability of adequate wastewater disposal services and whether the water requirements of the project will significantly impact the community's water supply.

8. Public Safety- Police, Fire, and Emergency Medical: If the proposed project will directly or indirectly affect growth of the population, consider the availability and adequacy of emergency service that may be required at the proposed project.

9. Parks, Open Space, and Recreation: If the proposed project will directly or indirectly affect growth of the population, consider the availability of and ease of access to recreation spaces, open spaces, and cultural resources.

10. Transportation and Accessibility: Assess the transportation impacts of the project in regard to the four sub-elements of transportation—access, balance, safety, and level of service.

NATURAL FEATURES

1. Unique Natural Features: Will the project location, construction, or its users destroy, isolate from public or scientific access, or adversely impact unique or locally important natural features on or near the site?

2. Water Resources: Describe the project's potential effect on groundwater and surface water, with particular consideration to impervious surfaces, runoff, and nearby streams and other water sources.

3. Vegetation: Consider the project's impacts to vegetation, including site clearance. Describe mitigation measures

4. Wildlife: Consider the project's impacts to wildlife, including site clearance. Describe mitigation measures.