



COPPERHEAD
ENVIRONMENTAL CONSULTING

Critical Issues Analysis

LOST CITY SOLAR PROJECT
MUHLENBERG COUNTY, KENTUCKY



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INTRODUCTION

Copperhead Environmental Consulting, Inc. (Copperhead) was contracted by Lost City Renewables LLC (Lost City) to conduct a database review and prepare a critical issues analysis (CIA) for the Lost City Solar Project, a proposed solar energy facility (the Project) in Muhlenberg County, Kentucky.

The purpose of the CIA is to summarize the findings of the database review; develop an environmental permitting table for potential federal, state, and local regulations; and address recommended approaches to agency consultation and/or project design. The CIA does not include regulatory consultation or correspondence.

The Project Area is located along KY 949, US 431, and Forge Mill Road near the unincorporated community of Penrod in Muhlenberg County and consists of approximately 1,413 acres. The site is currently used as agricultural land and contains wooded areas throughout.

METHODS

Desktop Analysis – Regulatory Framework

Copperhead researched county, state, and federal permits typically required for development projects in Kentucky and the timeline for the permitting process and approval. This memo summarizes the environmental review process, including Section 7 of the Endangered Species Act and Section 106 of the National Historic Preservation Act.

Publicly available sources queried for the regulatory framework desktop analysis include:

- Federal
 - US Fish and Wildlife Service (USFWS): Endangered Species Act
 - US Army Corps of Engineers (USACE): Section 404 of the Clean Water Act
 - National Resource Conservation Service (NRCS): Prime Farmland and Soils
- State
 - Kentucky Electric Generation and Transmission Siting Board
 - Kentucky Division of Water (KDOW)
 - Kentucky Department of Fish and Wildlife Resources (KDFWR)
 - Kentucky Department of Environmental Protection (KDEP)
 - Kentucky Heritage Council (KHC), State Historic Preservation Office (SHPO)
 - Kentucky Transportation Cabinet (KYTC)
- Local
 - Muhlenberg County

Desktop Analysis – Environmental Resources

Copperhead reviewed publicly available databases to provide a high-level screening of environmental resources that may be present in or near the Project Area. The review identified preliminary data regarding land cover, vegetation communities, sensitive species, sites of cultural or historical significance, and other resources. The following data sources were reviewed in December 2024:

- Aerial photography and historical topographic maps (e.g., United States Geological Survey (USGS) Historical Topographical Map Explorer): land use trends over time
- EDR Radius Map Report: hazardous materials
- Federal Emergency Management Agency (FEMA): flood maps
- USGS Protected Areas Database of the U.S. (PADUS), National Conservation Easement Database: protected lands and easements
- USGS National Landcover Database: landcover classes
- National Wetland Inventory (NWI): wetland and waterway maps
- Natural Resources Conservation Service (NRCS): Web Soil Survey of Muhlenberg County and hydric soils list
- Political boundaries (federal, state, tribal, county, municipal)
- Kentucky Department of Fish and Wildlife Resources (KDFWR) state listed species
- Special use waters, 303(d) list of impaired waters, 305(b) list of designated use waters
- Kentucky sinkholes and karst potential layers: geology
- Topographic contour data/digital contour data and digital elevation models US Department of Agriculture (USDA): soil survey of Muhlenberg County
- US Geological Survey: National Hydrography Database
- US Geological Survey: Protected Areas of the US database
- USFWS: IPaC (including results for eagles and migratory birds); threatened and endangered species
- US National Land Cover Database (NLCD); USGS 2019: land cover and characterization

The CIA describes the results of the desktop analysis as it relates to critical regulatory and environmental issues that may affect project development.

RESULTS – REGULATORY FRAMEWORK

This section includes a list of federal, state, and county permits that may be required for solar energy projects in Kentucky and the timeline for the permitting process and approval.

Federal, State, and Local Permits

Table 1 summarizes a list of state and federal permits that may be required depending on site design and layout.

Table 1. Federal, State and Local Environmental Permits

Permit/ Agency	Trigger	Comment	Required for Project?	Review/ Approval Timeframe
Federal Permit				
National Environmental Policy Act (NEPA) Review/Tennessee Valley Authority (TVA)	Renewable energy project selected to potentially provide power to TVA	TVA will conduct a NEPA review of the Project. The NEPA review will trigger compliance with Section 7 of the Endangered Species Act and Section 106 of the National Historic Preservation Act. TVA is the lead federal agency and will determine level of coordination needed with United States Fish and Wildlife Service (USFWS) and the Kentucky Heritage Council.	Yes	12-18 months
Section 404 Permit / US Army Corps of Engineers (USACE)	<p>Discharge of dredged or fill materials into waters of the United States, including wetlands or streams.</p> <p>If the proposed project will affect less than 0.5 acres of wetlands and less than 300 linear feet of streams, a Nationwide Permit (NWP No. 51: Land-Based Renewable Energy Generation Facilities) is available. Impacts in excess of these limits would likely trigger the need for an Individual Section 404 permit. If the proposed project is</p>	<p>Kentucky Regional General Conditions exist for NWP No. 51 and Kentucky's general certification of the NWP 51 adds conditions.</p> <p>Under NWP No. 51 pre-construction notification is required if impacts exceed 0.1 acre (4,356 sq. ft.). Mitigation may be required.</p> <p>Mitigation If wetland mitigation is required, the USACE – and Kentucky Division of Water require a 2 to 1 wetland mitigation ratio if the Project can use a wetland mitigation bank (costs per credit vary between mitigation banks). If the Project will need to use the in-lieu fee program, it uses an adjusted mitigation unit AMU ratio of 2.4 (factors in cumulative effects to wetlands) and the cost is fixed at \$78,000 per adjusted mitigation unit (AMU). If stream mitigation is required, the mitigation ratio per 1,000 linear feet of stream impact varies by type of stream (Ephemeral, Intermittent, or Perennial) and by</p>	Depends on potential stream or wetland crossings and impacts.	90-180 days (Nationwide permit) – due to staffing shortages and changes in regulations, timelines may take longer than the time periods identified above.

Permit/ Agency	Trigger	Comment	Required for Project?	Review/ Approval Timeframe
	only affecting access roads, an NWP No. 14 – Linear Transportation Projects is available as an alternative and has 0.5 acres of impact to wetlands/streams. It no longer has the 300-foot linear stream impact threshold. An NWP No. 14 has been used for a solar project in Kentucky. However, the USACE prefers the use of NWP No. 51 for solar facilities.	quality (Excellent, Average, or Poor). The stream mitigation ratios range from 0.5 to 3.0 and the mitigation ratio will be increased to an AMU to factor in cumulative effects).		
Section 7 of Endangered Species Act and Incidental Take Permit, if required/ US Fish and Wildlife Service (USFWS)	If there is a federal nexus, such as a Clean Water Act Section 404 permit, Section 7 consultation with the USFWS may be required	Further communication/consultation with USFWS may be warranted once the project design is developed and when the nationwide permit application/preconstruction notification is submitted. Effects of the Project on threatened and endangered species may need to be determined	Depending on whether a federal permit or approval is required.	Dependent upon consultation requirements Informal consultation: federal agency initiates consultation to help determine if project “may affect” a listed threatened or endangered species - 30-60 days. Formal consultation: If a

Permit/ Agency	Trigger	Comment	Required for Project?	Review/ Approval Timeframe
				federal agency determines through a biological assessment or other review, that Project is likely to adversely affect a listed species, the federal agency will submit a request to USFWS for formal consultation – 135 days
Section 106 of the National Historic Preservation Act/ Kentucky Heritage Council	Section 106 consultation may be required if a federal nexus or undertaking (e.g., federal agency permit or approval).	If a federal undertaking is necessary for the Project (USACE permit/approval), it triggers Section 106 evaluation of impacts to historic and archaeological resources. The level of effort for cultural resource studies may vary. The lead federal agency is responsible for determination of potential impacts and consults with the Kentucky Heritage Council, which is the State Historic Preservation Office (SHPO).	Yes	30 days to concur on cultural resource studies and recommended effects determination
Application for Permit to Construct or Alter a Structure/Federal Aviation Administration	Proposed structures to be built on or near an airport	Muhlenberg County Airport which is approximately 18 miles from the Lost City Solar Project. FAA review and approval of a solar facility may be necessary if near flight paths to the airport.	N/A	30-60 days
State Permit				
Certificate for the Construction of Electric Generating Facilities and Transmission Lines/Kentucky Electric Generation and	Construction and operation of a merchant power plant (> 10 MW)	The Kentucky Siting Board process will require an application and supporting documents including a site assessment report, economic impacts report, and study of impact of the proposed facility on Kentucky's electric transmission grid. Review of applications	Yes	180 days after submission of application; within 30 days of Siting Board decision, an appeal could be

Permit/ Agency	Trigger	Comment	Required for Project?	Review/ Approval Timeframe
Transmission Siting Board		designed to include public participation throughout the process.		filed with the Muhlenberg County Circuit Court
Water Quality Certification (Section 401) / Kentucky Division of Water	Placing dredge or fill material into wetlands or streams.	May not be required if a USACE individual permit is not required or if Project meets requirements for an NWP and complies with Kentucky general conditions.	Only in the event of placing dredge or fill material into wetlands or streams.	30-90 days, includes 30-day public review period.
Construct Across or Along a Stream Permit/Kentucky Division of Water – Floodplain Management Section	Construction across, along, or adjacent to a stream or floodway. Permit requirement applies to construction in a 100-year floodplain or crossing of perennial or intermittent streams.	If potential to change base flood elevation (Individual Floodplain Development Permit to Construct Along or Across a Stream). If electrical conduit goes under a stream (horizontal direction drilling, no floodplain permit would be needed. If any electrical conduit is placed in floodplain adjacent to stream and area restored, falls under general floodplain permit. If open cut stream crossing occurs for conduit, individual floodplain permit required. New culverts or culvert replacements would require an individual floodplain permit.	Potentially	2-4 weeks (varies depending on DOW workload)
Kentucky Pollution Discharge Elimination System (KPDES) permit / Kentucky Division of Water – Stormwater Management Section	A “KYR10 - Stormwater Construction” permit is required for disturbances greater than 1 acre.	A stormwater pollution prevention plan (SWPPP) developed and implemented to control erosion and sediment. Requirement for an electronic notice of intent (NOI) to be submitted at least 7 days before start of construction. A notice of termination is required when construction completed. The Project is not in an MS4 community.	Yes	N/A. Submit NOI and covered under general permit. 3-7 days
Kentucky Transportation Cabinet (KYTC) Access Control Permit	May be required for any new entrance off a state or US highway (i.e., KY 1009).	KYTC District 2 (270-824-7080) will be responsible for the permit. A new entrance will be considered a commercial entrance. Therefore, a few requirements would need to be addressed,	Yes, for new access off state or federal roadway.	30-60 days

Permit/ Agency	Trigger	Comment	Required for Project?	Review/ Approval Timeframe
		such as traffic impact study, application, and meet adequate sight distances in each direction from entrance, etc.		
Permit for Overweight or Oversize Trucks / KYTC	If trucks weigh more than US or state highway weight limits or are oversized	<p>Annual permit applications may be submitted through the Kentucky Overweight/Over-Dimensional Portal. All Annual permits are Vehicle specific. The original annual permit must be carried in the power unit.</p> <p>Single trip permits may be submitted at https://kyowod.kytc.ky.gov/kyowod/login.asp</p>	If you have any heavy trucks/loads that would exceed these limits, you can get an overweight permit. Similarly, for an oversized vehicle, you would need a permit. The permit would be route specific (i.e., would need to only travel on KYTC-maintained roadways). The Kentucky Transportation Cabinet Permit Office number is (502) 564-7150.	1-30 days for processing
Groundwater Protection Plan / Kentucky Department for Environmental Protection (KDEP)	Activities that have the potential to pollute groundwater. No known karst or mapped sinkholes in Project area	While solar projects are not within the listed activities requiring a groundwater protection plan, the state is evaluating whether solar projects should need to develop a groundwater protection plan (GPP). GPP requirements are listed in Section 2(2) of 401 KAR 5:037. If a GPP needs to be developed, it does not need to be	N/A. If groundwater concerns, can voluntarily develop a GPP.	N/A. (no review is required). If voluntarily ask for review, KDEP review takes 30-60 days

Permit/ Agency	Trigger	Comment	Required for Project?	Review/ Approval Timeframe
		submitted to KDEP for approval (although their staff are available to review the GPP). A GPP is good for 3 years, unless the project design or ownership changes.		
County Permits				
Building Permit – Muhlenberg County	New commercial construction	Muhlenberg County Community Development Online Toolbox – (270) 886-9484	Yes	30-60 days for permit to be processed
Muhlenberg County Road Use and Maintenance Agreement /Muhlenberg County Road Department	Construction project	Develop road use and maintenance agreement and received Fiscal Court approval	Yes	3-4 months

Consultation

Any project that has a federal nexus, such as a project that receives federal funding, a federal permit, or other federal authorization requires the federal agency to ensure that the continued existence of a federally endangered or threatened species is not jeopardized or that effects to historic resources are considered. For this Project, pursuant to Section 7 of the Endangered Species Act, consultation with the USFWS regarding potential impacts on federally listed species, as well as consultation with the State Historic Preservation Office (SHPO) regarding potential impacts on cultural and historic resources per Section 106 of the National Historic Preservation Act will be necessary.

Consultation with the United States Army Corps of Engineers (USACE) may be necessary if a Clean Water Act Section 404 permit is required due to impacts to jurisdictional streams and wetlands. Consultation with TVA may be necessary as the Project may be selling power to TVA.

Endangered Species Act

The USFWS's IPaC website was used to obtain an official list of species that may occur within the vicinity of the proposed Project. The official species list fulfills the requirements of the USFWS under Section 7(c) of the Endangered Species Act (ESA) to provide information as to whether listed or proposed listed species or designated critical habitat may be present in the vicinity of the Project. Based on a query of the USFWS IPaC online tool, three bat species, the pink mucket, and the monarch butterfly have potential to occur within the Project Area. Consultation with USFWS Kentucky Ecological Services Field Office would be required under Section 7(a)(2) of the Endangered Species Act.

Informal consultation would be sufficient if a determination that the Project's actions "may affect but [are] not likely to adversely affect" these species. The informal consultation process typically takes 1-3 months to complete. In contrast, if a determination is "may affect likely to adversely affect" a species, formal consultation would be required, which may take 5-6 months to complete.

National Historic Preservation Act

If a federal nexus exists (e.g., federal permit or approval), consultation with Native American tribes and the Kentucky Heritage Council under Section 106 of the National Historic Preservation Act may be necessary to determine the effects the proposed project may have on historic properties, including archaeological and historic architectural resources. It is anticipated that permits/approvals from both TVA and the USACE will be needed and therefore, a federal nexus will exist. Cultural resource and archaeological desktop analyses have been undertaken and it is anticipated that a Phase I archaeological survey and historic architectural survey would be conducted to form the basis for identification of resources potentially eligible for listing on the National Register of Historic Places (NRHP). Assuming the project footprint will avoid sensitive cultural resources, the Section 106 consultation process typically takes 1-3 months to complete.

No federally recognized Native American Tribes currently occur in Kentucky. As the lead federal agency, TVA will consult with tribes that have had a historical connection to Kentucky. These tribes may include Absentee Shawnee Tribe of Indians of Oklahoma; Cherokee Nation; Eastern Band of Cherokee Indians; Eastern Shawnee Tribe of Oklahoma; Osage Nation; Peoria Tribe of Indians of Oklahoma; Shawnee Tribe; and United Keetowah Band of Cherokee Indians in Oklahoma.

Farmland Protection Policy Act

Consultation with NRCS to evaluate potential impacts on prime farmland may be necessary under a federal nexus. To quantify those impacts, the location and extent of prime farmland in the Project Area would be mapped and the NRCS may be contacted to provide concurrence that mitigation is not recommended. Lost City would complete a NRCS Form AD-1006 "Farmland Conversion Impact Rating", which takes less than one day to complete and would be sent to the NRCS office in Kentucky, where the agency would identify acres of prime farmland permanently converted to non-agricultural uses and the importance of that farmland in the context of the county as a whole. NRCS normally provides a response within 30 days. Projects that score over a certain threshold (160 points) may require further coordination with NRCS to minimize impacts on prime farmland. Projects rarely exceed the threshold but those that do may need to consider alternative locations that would convert fewer acres of farmland; stockpile topsoil for landscaping use in the Project Area; BMPs to minimize soil compaction so the farmland can be used in the future; use agricultural inspectors to manage pastures, and/or engage farmers to coordinate construction schedules around harvesting and monitor post-construction.

Major State Permit - Kentucky Electric Generation and Transmission Siting Board Certificate of Construction

For Merchant Facilities

The Kentucky State Board on Electric Generation and Transmission Siting Board (Siting Board) was established to review applications, and as appropriate, grant certificates for the construction of electric generating facilities and transmission lines that are not regulated by the Kentucky Public Service Commission (including utility scale solar facilities) (KRS §§ 278.700 – 278.716). Once a complete application has been filed, the certification process generally takes 6 months to complete (absent requests for reconsideration, post-hearing Board data requests, and any appeals).

The Siting Board review focuses on three areas:

1. Environmental matters not covered by permits issued by the Kentucky Department of Environmental Protection (Department). The Department issues permits for air emissions, water withdrawals, water discharges, and solid waste disposal. The Siting Board reviews covers matters such as noise and visual impacts. The Siting Board does not have jurisdiction for threatened and endangered species, historic preservation,

and aviation safety. Environmental studies and appropriate federal or state agency consultation should address these topics and appropriate studies/reports should be included in the application.

2. Economic impacts
3. Impact of the proposed facility on Kentucky's electric transmission grid

The generating facilities reviewed by the Siting Board sell power on the wholesale market and are commonly known as merchant power plants. Siting Board approval is required for merchant plants with a generating capacity of 10 MW. The Siting Board review of applications is designed to include public participation. All documents submitted to the Siting Board are filed electronically and are available at the Siting Board's web site (<http://psc.ky.gov/Home/EGTSB>).

The Siting Board consists of seven members: three members of the Kentucky Public Service Commission; the Secretary of the Kentucky Energy and Environment Cabinet; the Secretary of the Kentucky Cabinet for Economic Development; Chairperson of the planning commission OR County Judge Executive with jurisdiction over the proposed site; and a resident of the county in which the facility is proposed to be located. The two local members are appointed by the governor to serve for an individual project.

- **Preparation of Background Studies and Project Support Documentation (approximately 6-12 months prior to filing application)**
 - Conduct studies (e.g., economic studies, property impact studies, transmission grid analysis, delineations)
 - Undertake public involvement activities to inform local landowners, local government representatives, and interested parties about the proposed project (e.g., outreach, factsheets, website, and/or public information meeting(s))
- **Notice of Intent Prepared and Filed (30 days before submitting application)**
 - Notice of intent is public and includes brief description of proposed facility, location, consultants, identity of local planning and zoning authority, and notice of any requested deviations from state setback requirements (i.e., 2,000 feet from a residential neighborhood, school, hospital or nursing home facility). Solar facilities usually request a deviation from setback requirements. Local planning and zoning setback requirements supersede state setback requirements.
 - Local Siting Board Members usually are appointed during this 30-day window
- **Application Filed (30 days after notice of intent filed)**
 - Application must contain:
 - Evidence of public notice

- Report on public involvement activities by applicant
- Site assessment report that describes project and analysis of impacts considered by Siting Board (e.g., visual impacts, traffic, property values) and includes supporting studies. The applicant may submit and the Siting Board may accept documentation of compliance with the National Environmental Policy Act (NEPA) rather than a “site assessment report.” Statement of compliance with local zoning requirements, noise ordinance, business requirements, etc.
- Analysis of the effects of proposed facility on the electric transmission grid
- Analysis of economic impacts of the proposed facility
- Disclosure of past environment violations by applicant
- Identify waiver requests (e.g., modification of setback requirements)
- Siting Board will review application for completeness and will issue a no deficiency letter when it initiates formal investigation
- **Investigation Phase (approximately 60 days)**
 - Siting Board will develop questions and data requests for applicant
 - Siting Board can and usually will conduct its own inspection of the proposed facility location
 - Siting Board consultant(s) will prepare an opinion/report on application
 - Intervenors can submit information requests
- **Hearings (request or motion for hearings within 30 days of filing of complete application)**
 - *Local public hearing* if requested by local government entity (city, county, or planning and zoning authority). A letter must be sent to Siting Board within 30 days of filing of complete application and local public hearing must be held within 60 days of completed application filing date.
 - *Adjudicatory Hearing* if written request of a party to the case or motion of Siting Board itself (within 30 days of filing of complete application).
 - To date, all proposed solar projects have had an adjudicatory hearing. Hearing is formal and limited to applicants and intervenors to be held in Frankfort, KY.
 - Witness testimony and argument presented for or against application
 - A written briefing may be included as part of the hearing process

- **Intervenors (request within 30 days of filing of complete application)**
 - Any interested party may apply to Siting Board within 30 days of filing of complete application
 - Intervenors have right to participate fully in Siting Board proceedings (e.g., can file requests for information and cross-examine witnesses)
 - Can appeal Siting Board decision to the local circuit court
- **Comments**
 - Comments can be submitted at local public hearing or submitted to Siting Board
- **Siting Board Decision (within 180 days)**
 - Can consider information submitted by applicant, evidence, public comments, and reports prepared by Siting Board consultants
 - Siting Board may accept or deny an application, order mitigation measures to reduce impacts, and allow deviations from setback requirements (cannot order relocation of a proposed facility)
 - Most certificates that have been granted include conditions (e.g., vegetation screening, decommissioning plan)
- **Appeals (within 30 days of Siting Board decision)**
 - Appeals filed with Muhlenberg County Circuit Court

Table 2. Summary of Siting Board process and timeline

Time to complete	Requirements
180 – 365 days prior to filing application	Studies to support application
30 days prior to filing application	Notice of Intent filed
0 days	Application filed
30 days	Filings for Intervenors Request for hearings
40 days	Notice of public hearings
60 days	Deadline for holding public hearings
60-120 days	Siting Board reviews application/ conducts investigation
120 days (180 days if adjudicatory hearing held)	Siting Board decision
120-150 days 210-240 days (if adjudicatory hearing held)	Deadline for filing appeals (30 days after decision)

RESULTS - ENVIRONMENTAL RESOURCES

Land Cover

The Project Area is currently used for agriculture and is forested. The surrounding landscape is mostly covered by croplands and pastures along with forested habitat. Small ponds and streams exist on and around the Project Area. Properties around the Project Area are primarily residential, however there are some commercial properties scattered throughout. Primarily concentrated along the US 431 corridor, these consist of restaurants, churches, and convenience stores.

The Project Area is largely comprised of deciduous forest (676.74 acres), followed by pasture/hay (481.67), and mixed forest (142.59 acres) (Table 2, Figure 3).

Table 3. Land Cover Types.

NLCD Land Cover Class	2-mile Buffer		Project Area	
	Acres	Percent	Acres	Percent
Barren Land	38.14	0.20%	-	-
Cultivated Crops	889.65	4.67%	3.56	0.25%
Deciduous Forest	10,259.54	53.82%	676.74	47.88%
Developed, High Intensity	4.22	0.22%	0.44	0.03%
Developed, Low Intensity	80.20	0.42%	3.32	0.23%
Developed, Medium Intensity	20.24	0.11%	0.44	0.03%
Developed, Open Space	912.35	4.79%	20.11	1.42%
Emergent Herbaceous Wetlands	71.94	0.38%	-	-
Evergreen Forest	147.50	0.77%	12.28	0.87%
Pasture/Hay	3,912.32	20.52%	481.67	30.08%
Mixed Forest	2,076.71	10.90%	142.59	10.09%
Open Water	26.69	0.14%	4.96	0.35%
Shrub/Scrub	214.38	1.12%	55.84	3.95%
Grassland/Herbaceous	157.82	0.83%	11.35	0.80%
Woody Wetlands	252.10	1.32%	-	-

NLCD Land Cover Class	2-mile Buffer		Project Area	
	Acres	Percent	Acres	Percent
Totals	19,063.81	-	1,413.31	-

NLCD calculations are based on the 2023 USGS NLCD, modeled acreages may differ slightly than officially surveyed acres. Sums of totals of percentages might not equal 100 percent due to rounding errors.

Soils and Geology

Soil types were assessed to determine the presence or absence of prime farmland. Project Area soil types consist primarily of loam and are summarized in the following table (Table 3) and shown in Figure 5. The Project Area contains approximately 251 acres of soil types considered to be prime farmland by the NRCS, as well as approximately 111.44 acres considered to be farmland if drained and approximately 236.23 acres of farmland of statewide importance.

Table 4. Soil Types

Map Unit	Soil Type	Acres	Percent Hydric Inclusions	Farmland Classification
Cg	Clifty gravelly silt loam, 0 to 2 percent slopes, occasionally flooded	37.38	0	All areas are prime farmland
FID	Fondorf-Lenberg complex, 12 to 20 percent slopes	166.95	0	Not prime farmland
FIE	Fondorf-Lenberg complex, 20 to 30 percent slopes	207.49	0	Not prime farmland
FIF	Fondorf-Lenberg complex, 30 to 50 percent slopes	181.90	0	Not prime farmland
SaB	Sadler silt loam, 2 to 6 percent slopes	31.16	0	All areas are prime farmland
uBelA	Belknap silt loam, 0 to 2 percent slopes, occasionally flooded	77.26	91	Prime farmland if drained
uBonA	Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded	34.18	91	Prime farmland if drained
uShaA	Sharon silt loam, 0 to 2 percent slopes, occasionally flooded	24.44	2	All areas are prime farmland
W	Water	4.87	0	Not prime farmland
WIB	Wellston silt loam, 2 to 6 percent slopes	56.83	0	All areas are prime farmland
WIC	Wellston silt loam, 6 to 12 percent slopes	181.39	0	Farmland of statewide importance
WIC3	Wellston silt loam, 6 to 12 percent slopes, severely eroded	34.69	0	Not prime farmland
WID	Wellston silt loam, 12 to 20 percent slopes	123.74	0	Not prime farmland
WID3	Wellston silt loam, 12 to 30 percent slopes, severely eroded	30.00	0	Not prime farmland
WIE	Wellston silt loam, 20 to 30 percent slopes	16.05	0	Not prime farmland

Map Unit	Soil Type	Acres	Percent Hydric Inclusions	Farmland Classification
ZaB	Zanesville silt loam, 2 to 6 percent slopes	101.19	0	All areas are prime farmland
ZaC	Zanesville silt loam, 6 to 12 percent slopes	54.84	0	Farmland of statewide importance
ZaC3	Zanesville silt loam, 6 to 12 percent slopes, severely eroded	48.93	0	Not prime farmland
Total Acres		1,413.31		

Source: Natural Resources Conservation Service Web Soil Survey GIS data, NRCS 2022a

Karst topography is a type of landscape where the dissolving of limestone and dolomite, which are carbonate rocks, has created sinkholes, sinking streams, caves, springs, and other underground features (NPS 2024). The majority of Muhlenberg County is considered to have limited or no potential for karst development. The Project Area is mapped as a non-karst area and there are no mapped or known sinkholes in the Project Area or nearby (Figure 4).

Infrastructure and Transportation

Existing infrastructure within the Project Area consists of dirt and gravel roads, rural residences, and farm buildings. The Project Area is bordered by farmland, wooded areas, and residential properties.

Primary vehicle access to the Project Area would be via two access points from KY 949. Secondary access points would include Forge Mill Road and Mason-Poyner Road. State roads would require an Access Control Permit from the Kentucky Transportation Cabinet if access were installed along these roads.

The nearest airport is the Muhlenberg County Airport which is approximately 18 miles from the Project Area. An airspace review by the Federal Aviation Administration (FAA) is required for any “physical incursions of proposed structures into airspace, interference with radar communications, and any other conditions that might negatively impact air traffic” (FAA 2018). However, there are no hard triggers (e.g., project size, type, or distance from the airport) for airspace reviews for projects occurring off-airport. Once project design parameters are known, including the location and height of any structures, the FAA’s online Notice Criteria Tool can be completed, and a determination can be made regarding the need for FAA review. A preliminary result of the Project does “not exceed Notice Criteria” was obtained during this assessment (Appendix A).

Conservation Areas and Public Lands

No natural areas or parks occur on or adjacent to the Project Area. A review of the National Conservation Easement Database and the USGS (PADUS) database, which is the official inventory of public open space and private protected areas, identified one property within one mile of the Project Area (Figure 6). The property is located 0.8 miles east of the Project Area and is a conservation easement that is protected under the NRCS Wetlands Reserve Program. Because a solar facility is unlikely to interfere with the management or use of the public lands, conservation measures are unlikely to be required.

Solid and Hazardous Waste and Hazardous Materials

Linebach Funkhouser, Inc. (LFI) completed a Phase I Environmental Assessment, which includes the identification of solid and hazardous waste and materials on or adjacent to the Project Area. A desktop review of the Environmental Data Resources (EDR) records was conducted to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate. All EDR reports received and reviewed can be found in Appendix B.

Neither the Project Area nor any adjoining properties were listed on any of the databases searched by EDR. Additionally, the EDR database search did not identify any listing within a search radii of 0.1 miles on any of the required databases.

A site reconnaissance of the Project Area was conducted by LFI staff on 13 April 2024. Multiple empty aboveground storage tanks (ASTs) were located on the property with no indications of leaks or staining. No other obvious indications of generation, use, storage, treatment, or disposal of hazardous substances/wastes or petroleum products were observed. No physical features were found that would identify underground storage tanks (USTs) during the site reconnaissance.

A single pole-mounted transformer is located near the storage silos at the Project Area, which appeared to be in good condition with no indication of leaks of polychlorinated biphenyls (PCBs). PCBs are organic compounds that have been used extensively in electrical capacitors and transformers, lighting ballasts, hydraulic fluids, heat exchange fluids, lubricants, inks, sealants, adhesives, and surface coatings since development in 1929. PCB production was banned in the U.S. in 1979.

Following a thorough site assessment, LFI concludes that there is no evidence of Recognized Environmental Conditions (RECs), Controlled Recognized Environmental Conditions (CRECs),

Historical Recognized Environmental Conditions (HRECs), or *de minimis* conditions in connection with the Project Area. The following recommendations are the result of the analysis and reconnaissance completed by LFI:

- The four water supply wells on the Project Area should be properly abandoned utilizing a licensed Kentucky water well driller if they will not be utilized in the future.
- The Gardiner Cemetery (located off of Free Lane) that has existed since 2017 would need to be properly relocated in the event of future site development in this portion of the Project Area.

A map showing a digital elevation of the Project and surrounding area is available as Figure 7.

Wetlands and Waterways

The Project Area is within three 12-digit Hydrologic Unit Code (HUC) watersheds: the Hazel Creek-Rocky Creek watershed (051100030208), the Deerlick Creek-Mud River watershed (051100030209), and the Norman Branch-Rocky Creek watershed (051100030207). A search of the USGS National Hydrography Dataset (NHD) and the National Wetlands Inventory (NWI) indicate that Rocky Creek and unnamed tributaries (UNTs), Jockys Branch, and UNTs to Mud River both border and exist within sections of the Project Area (Figure 8).

As part of the proposed project, a wetland and stream delineation was conducted between 18 March 2024 and 5 April 2024 by Copperhead wetland scientists (2025). The field surveys resulted in the identification of 74 wetlands, 7 ponds, and 301 streams within the Project Area:

- 53 wetlands do not possess a continuous and indistinguishable connection to downstream waters of the U.S. (WOTUS) and are therefore isolated and likely non-jurisdictional
- 21 wetlands abut a perennial or relatively permanent surface connection to downstream waters and are therefore jurisdictional features based on the most recent WOTUS regulatory framework
- 44 streams are relatively permanent (either perennial or intermittent flow regimes) and therefore jurisdictional
- 257 streams appear to flow only in direct response to rainfall events and are therefore ephemeral channels that are likely considered non-jurisdictional features by USACE.

Floodplains

A floodplain is the relatively level land area along a stream or river that is subjected to periodic flooding. The area subject to a 1-percent chance of flooding in any given year is normally called a 100-year floodplain. The area subject to a 0.2-percent chance of flooding in any given year is normally called a 500-year floodplain.

The majority of the Project Area is classified by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) as Zone X, which is defined as areas with minimal flood hazard due to areas being outside the special flood hazard zones and having an elevation higher than the 0.2 percent annual chance flood risk areas. Approximately 139 acres in the Project Area are within the 1 percent annual chance flood zone (Zone A) associated with Rocky Creek in the northernmost, westernmost, and main sections; Jockys Branch in the southernmost section; Mud River in the easternmost section (Figure 9).

Special Status Plant and Wildlife Species and Habitat

The ESA provides broad protection for species of fish, wildlife and plants that are federally listed as threatened or endangered. The ESA outlines procedures for federal agencies to follow when taking actions that may jeopardize federally listed species or their designated critical habitat.

The USFWS IPaC system identified seven species that could potentially occur within the Project Area (Table 4, Appendix C). Additionally, 12 state-listed species were identified through the State Wildlife Action Plan (SWAP) and the KDFWR Species Search by Quad (Dunmor Quad) and three species were identified through the Office of Kentucky Nature Preserves (OKNP; OKNP 2024) biological assessment tool as sensitive or at-risk species of greatest conservation need.

Table 5. Federal or state listed and sensitive species known to occur or potentially occur in the Project Area, Muhlenberg County, Kentucky.

Taxa	Scientific Name	Common Name	ESA Status ¹	State Status ²	Within Critical Habitat ³
Birds	<i>Grus americana</i>	Whooping Crane	XN	-	N/A
	<i>Centronyx henslowii</i>	Henslow's Sparrow	-	S	-
	<i>Lanius ludovicianus</i>	Loggerhead Shrike	-	S	-
	<i>Peucaea aestivalis</i>	Bachman's Sparrow	-	E	-
Mammals	<i>Myotis grisescens</i>	Gray Bat	E	T	N/A
	<i>Myotis sodalis</i>	Indiana Bat	E	E	No
	<i>Myotis septentrionalis</i>	Northern Long-eared Bat	E	E	N/A

Taxa	Scientific Name	Common Name	ESA Status ¹	State Status ²	Within Critical Habitat ³
	<i>Perimyotis subflavus</i>	Tricolored Bat	PE*	T	N/A
Insects	<i>Danaus Plexippus</i>	Monarch Butterfly	PT*	-	N/A
Clams	<i>Lampsilis abrupta</i>	Pink Mucket (pearlymussel)	E	E	N/A
	<i>Ligumia recta</i>	Black Sandshell	-	S	-
	<i>Anodontoidea ferussacianus</i>	Cylindrical Papershell	-	S	-
	<i>Leaunia lienosus</i>	Little Spectaclecase	-	T	-
	<i>Obovaria subrotunda</i>	Round Hickorynut	T	T	
Fishes	<i>Ictiobus niger</i>	Black Buffalo	-	S	-
	<i>Hybognathus hayi</i>	Cypress Minnow	-	E	-
	<i>Lepomis miniatus</i>	Redspotted Sunfish	-	T	-
Plants	<i>Didiplis diandra</i>	Water-purslane	-	E	-
	<i>Delphinium carolinianum ssp. calciphilum</i>	Carolina Larkspur	-	T	-
Reptile	<i>Nerodia erythrogaster</i>	Copperbelly Watersnake	T	T	N/A
	<i>Thamnophis saurita</i>	Eastern Ribbonsnake	-	S	-
	<i>Aspidoscelis sexlineata</i>	Six-lined Racerunner	-	S	-

Sources: USFWS IPaC (Project Code: 2024-0039738), KDFWR Species Search by Quad (Dunmor Quad), and OKNP Biological Assessment Tool

¹ESA Status Code: E = Listed Endangered; T = Listed Threatened; XN = Listed Experimental Population, Non-Essential; C = Candidate Species; PE = Proposed Endangered; PT = Proposed Threatened

²State Status Code: E = Listed Endangered; T = Listed Threatened; S = Special Concern

³Yes = within designated critical habitat; No = not within designated critical habitat; N/A = No critical habitat has been designated for this species

* Proposed threatened or endangered species are not protected by the take prohibitions of Section 9 of the ESA until the rule to list is finalized. Under Section 7(a)(4) of the ESA, federal agencies must confer with USFWS if their action will jeopardize the continued existence of a proposed species.

Habitat Assessment Results – Federally Listed Species

Results from the habitat assessment are summarized below. See the *Listed Species Habitat Assessment* report for additional information.

Whooping Crane

The whooping crane was originally listed as endangered under the ESA in 1970 due to population declines from hunting and destruction of nesting habitat. Additional influencing factors to the listing include low population numbers, slow reproductive potential, cyclic nesting and winter habitat suitability, a hazardous migration route, and human pressures (USFWS 2024b).

Habitat for breeding, migration, and winters include a variety of habitats, including coastal marshes and estuaries, inland marshes, lakes, open ponds, wet meadows and rivers, and pastures and agricultural fields (USFWS 2024c). Prey items include large lymphal or larval forms of insects, frogs, rodents, small birds, minnows, and berries (USFWS 2024c).

Since the proposed project is not within Hopkins, Hardin, or Barren counties, where whooping cranes may be wintering, impacts to the species and available habitat are not considered a concern.

Gray bat

The gray bat was listed as endangered under the Endangered Species Act on April 28, 1976 (USFWS 1997). No critical habitat has been identified for the species (USFWS 1976).

This species is primarily found in the cave regions of Alabama, Arkansas, Kentucky, Missouri, and Tennessee, with smaller populations known from Florida, Georgia, Illinois, Indiana, Kansas, Mississippi, North Carolina, Oklahoma, Virginia, and West Virginia (USFWS 2009).

The gray bat typically roosts in caves year-round and is often found in large numbers, with colonies in excess of one million individuals reported (Brady et al. 1982). Habitat requirements for roosts are highly specific, with fewer than 5 percent of caves representing suitable habitat (Tuttle 1979). The gray bat utilizes varying types of caves during different times of the year, including caves with deep vertical shafts that provide a cold air trap during winter (hibernacula) and caves with domed ceilings that trap warm air during summer for maternity colonies. Other caves, known as dispersal caves, are used as roosting sites during migration from maternity caves

to hibernacula. Gray bats are also known to use bridges as roosting habitat during the spring, summer, and fall.

Gray bats usually forage for insects in riparian areas or over open water bodies such as rivers, streams, lakes, or reservoirs. Commuting habitat for the gray bat primarily consists of wooded corridors used to travel between roosting and foraging habitat.

Copperhead employees completed a mist-net survey and culvert inspection on the Project Area from 29 July – 9 August 2024. The mist-net survey consisted of two-person teams (consisting of a federally and state permitted biologist and one technician) per site who surveyed for a maximum of four net sets each night. Each site was surveyed for a minimum of two calendar nights and individual net locations within a site were surveyed for no more than two full calendar nights of survey. One non-reproductive male gray bat was captured on the western portion of the Project Area. The culvert inspection was completed by a federally and state permitted biologist on 3 August 2024. No bats were observed roosting within the culvert; however, a small amount of desiccated guano was observed within the cracks of the culvert wall and fresh guano was observed on the walls of the culvert.

Indiana Bat

The Indiana bat was listed as an endangered species under the ESA on March 11, 1967. Critical Habitat was designated for the species on September 24, 1976, and includes which consisted of mines and caves found in Illinois, Indiana, Kentucky, Missouri, Tennessee, and West Virginia (USFWS 1976b). There are two caves listed as critical habitat in Kentucky: Bat Cave in Carter County and Coach Cave in Edmonson County. The Project Area is closest to Bat Cave, approximately 15.8 miles northeast in Carter County. No records currently exist in Muhlenberg County, although there are hibernacula and maternity/reproductive records in surrounding counties (KDFWR 2017).

During the winter months, Indiana bats are restricted to suitable underground hibernacula typically consisting of caves located in karst areas of the east-central United States. However, this species also hibernates in cave-like locations, including abandoned mines (USFWS 2007).

During the spring, summer, and fall, the Indiana bat uses a variety of forested habitats used for roosting, foraging, and commuting. These habitats include forest blocks and woodlots, as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Isolated trees may provide suitable roosting habitat if they exhibit the characteristics of a suitable roost tree and are located within 1,000 feet of other suitable habitat. Suitable roosting habitat consists of live or dead trees and snags with a dbh of five inches or greater that possess any or all of the following characteristics: exfoliating bark; cavities, crevices, or cracks; or dead or dying trunk/branches. Roost trees are typically located within canopy gaps, along a fencerow, or along a wooded edge.

Maternity colonies are typically found in dead or dying trees with larger dbh (at least nine inches) that receive direct sunlight for more than half the day (USFWS 2016b). Maternity roosts have been documented in riparian zones, bottomland and floodplain habitats, wooded wetlands, and upland communities (USFWS 2007).

Foraging habitat for the Indiana bat includes closed to semi-open forested habitats, where bats forage along forest edges and above the tree canopy (Humphrey et al. 1977, LaVal et al. 1977, Brack 1983). Commuting habitat includes forested blocks and corridors that connect roosting and foraging areas.

Copperhead employees completed a mist-net survey and culvert inspection on the Project Area from 29 July – 9 August 2024. The mist-net survey consisted of two-person teams (consisting of a federally and state permitted biologist and one technician) per site who surveyed for a maximum of four net sets each night. Each site was surveyed for a minimum of two calendar nights and individual net locations within a site were surveyed for no more than two full calendar nights of survey. No Indiana bats were captured during the mist-net survey effort. This suggests this species is not likely present in the Project Area during the maternity season or are present in numbers too low to be detected by approved USFWS protocols.

The culvert inspection was completed by a federally and state permitted biologist on 3 August 2024. No bats were observed roosting within the culvert; however, a small amount of desiccated guano was observed within the cracks of the culvert wall and fresh guano was observed on the walls of the culvert.

Northern Long-Eared Bat

The northern long-eared bat was listed as threatened under the ESA with an interim 4(d) Rule in May 2015; the final 4(d) Rule was issued in January 2016 (USFWS 2015, 2016a). On March 22, 2022, the USFWS announced a proposal to reclassify the northern long-eared bat as endangered under the Endangered Species Act (USFWS 2022). This reclassification was finalized in November 2022 and became effective March 31, 2023, thus nullifying the 4(d) Rule. The USFWS has not designated or proposed any critical habitat for this species (USFWS 2015).

The northern long-eared bat utilizes different habitats during the summer and winter months. Hibernacula, used in winter, vary from large caves and abandoned mines with large entrances and passages to smaller features. Preferred features have relatively constant, cool temperatures (0 to 9° C), high humidity, and minimal air currents (Raesly and Gates 1987, Caceres and Pybus 1997). This species typically roosts in small crevices and cracks in walls and ceilings; however, individuals have also been observed roosting in the open, although less frequently (Barbour and Davis 1969, Caceres and Pybus 1997, Whitaker and Mumford 2009). In addition to mines, northern long-eared bats have been found hibernating in other cave-like, man-made structures (USFWS 2016b).

During the spring, summer, and fall, the northern long-eared bat uses a variety of forested habitats for roosting, foraging, and commuting, including forest blocks and woodlots, as well as linear features such as fencerows, riparian forests, and other wooded corridors. These forested areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Suitable roosting habitat consists of live or dead trees and snags with a dbh of three inches or greater that exhibit any of the following characteristics: exfoliating bark, crevices, cavities, or cracks (USFWS 2016a). This species is more likely to roost in crevices, cracks, and cavities than other *Myotis* species (Carter and Feldhamer 2005, Lacki et al. 2009) and is more opportunistic when selecting a roost tree, often utilizing shorter trees with smaller dbh and tree stumps.

In Kentucky, the northern long-eared bat has been recorded throughout most of the state and likely occurs statewide. Summer occurrences have been recorded in approximately three-quarters of the counties in the state, with reproductive records (i.e., captures of juveniles or pregnant, lactating, or post-lactating females) in approximately half of the counties.

Copperhead employees completed a mist-net survey and culvert inspection on the Project Area from 29 July – 9 August 2024. The mist-net survey consisted of two-person teams (consisting of a federally and state permitted biologist and one technician) per site who surveyed for a maximum of four net sets each night. Each site was surveyed for a minimum of two calendar nights and individual net locations within a site were surveyed for no more than two full calendar nights of survey. No northern-long eared bats were captured during the mist-net survey effort. This suggests this species is not likely present in the Project Area during the maternity season or are present in numbers too low to be detected by approved USFWS protocols.

The culvert inspection was completed by a federally and state permitted biologist on 3 August 2024. No bats were observed roosting within the culvert; however, a small amount of desiccated guano was observed within the cracks of the culvert wall and fresh guano was observed on the walls of the culvert.

Tricolored Bat

On September 13, 2022, the USFWS listed the tricolored bat as proposed endangered. Along with the Indiana and northern long-eared bats, tricolored bats have been heavily impacted by white-nose syndrome and it is the main reason for their proposed listing.

Tricolored bats are generally regional migrants but can also display partial and differential migratory behavior (Samoray et al. 2019, Fraser et al. 2012). They typically leave their hibernacula from mid-April to early May and arrive at their maternity colonies shortly thereafter (Whitaker 1998; Silvis et al. 2016). Fall migration may be in mid-August with bats entering their hibernacula between late September to mid-October (Silvis et al. 2016).

Roosting typically occurs in dead or live foliage in the summer (Perry & Thill 2007, Veilleux et al. 2003) and hibernation occurs in caves, culverts, rock crevices, and mines (USFWS 2024a). Silvis et

al. (2016) suggest that, while habitat availability is not a limiting factor for the species, tree felling activities and habitat manipulation should be limited during the active maternity season.

Copperhead employees completed a mist-net survey and culvert inspection on the Project Area from 29 July – 9 August 2024. The mist-net survey consisted of two-person teams (consisting of a federally and state permitted biologist and one technician) per site who surveyed for a maximum of four net sets each night. Each site was surveyed for a minimum of two calendar nights and individual net locations within a site were surveyed for no more than two full calendar nights of survey. During the mist-net survey, three tricolored bats (one male juvenile and two female juveniles) were captured at the survey site located in the center of the Project Area. The juvenile male tricolored bat, captured on 1 August, was processed but found to be too small (4.0 grams) to band or apply a radio-transmitter. Both juvenile female tricolored bats, captured on 4 August 2024, were banded, fitted with radio-transmitters and tracked for seven days (5 – 11 August). Using diurnal radio-telemetry, a total of four roost trees were documented. All roost trees were live trees in interior forests. Two were located immediately outside the northern boundary of the Project Area and the other two roosts were located in the southern half of the Project Area.

The culvert inspection was completed by a federally and state permitted biologist on 3 August 2024. No bats were observed roosting within the culvert; however, a small amount of desiccated guano was observed within the cracks of the culvert wall and fresh guano was observed on the walls of the culvert.

Monarch Butterfly

The monarch butterfly has been proposed as a threatened species for listing under the ESA (December 12, 2024). In December 2020, USFWS completed a status assessment of the species and determined that listing the monarch under the ESA is warranted (USFWS 2024c).

Monarchs are a large butterfly with a wingspan between 86-124 mm. The upper side of males are bright orange with wide black borders and black veins, and the hindwing has a patch of scent scales. The upper side of females are orange-brown with wide black borders and blurred black veins. Both sexes have white spots on the borders and apex (Lotts and Naberhaus 2017). The Monarch can be found in much of North America, in open habitats from Canada to South America. Monarchs are known for their annual migration and are the only butterfly to regularly migrate north and south (Pyle 1981). Monarchs in central and eastern North America migrate to the mountainous forests of central Mexico while those in the western portions of North America migrate to the California coast. Monarch habitat is complex, but generally includes all patches of milkweed in North America. Overwintering habitats including high-altitude Mexican conifer forests or coastal California conifer and Eucalyptus groves are critical for the species. Land management changes that impact milkweed include increased herbicide use, excessive roadside mowing, and urban development, among others (USFWS 2020).

No large patches of milkweed or pollinator habitat were noted within the Project Area during the site reconnaissance.

Pink Mucket

The pink mucket was listed as an endangered species on June 14, 1976. No critical habitat has been designated for this species. Habitat for this species is restricted to main-channel habitats of medium-sized to large streams in gravel and sand substrates. Based on the results of the field reconnaissance, the majority of streams within the Project Area are not considered suitable for mussel species. No relic shells were observed.

Round Hickorynut

The round hickorynut is a species of freshwater mussel that was listed as threatened under the ESA in 2023. The round hickorynut can occur in a variety of upland riverine habitats from large rivers to small streams, however, it is restricted to main-channel habitats that contain gravel and sand substrates (Haag and Cicerello 2016). Similar to other species of freshwater mussels, the round hickorynut requires a host species to successfully mature and disseminate.

The record search did not identify the round hickorynut on the USFWS IPaC, however, it was identified on the KDFWR quadrangle search. Based on the results of the field reconnaissance, the majority of the streams within the Project Area are not considered suitable for mussel species. No relic shells were observed.

Copperbelly Water Snake

The copperbelly water snake is a subspecies of the plainbelly water snake. There are two distinct populations of the copperbelly water snake, with the population above the 40th Parallel currently listed as threatened under the ESA. South of the 40th Parallel, which includes populations in Kentucky, copperbelly water snakes are protected by the Copperbelly Water Snake Conservation Agreement (1997), which states that these snakes may not be killed or collected.

According to the KDFWR, multiple occurrences of copperbelly water snakes have been recorded in Muhlenberg County from at least 1968 to present.

Habitat Assessment – State Listed Species

Below is a summary of the completed habitat assessment. A full discussion can be found in the *Listed Species Habitat Assessment* report. Although state-listed species in Kentucky are not protected by legislation or regulation, the Project is not likely to significantly affect the following species.

Henslow's Sparrow

Henslow's sparrow is listed as sensitive in Kentucky. It is a migratory bird that prefers open habitats that contain thick vegetation, such as fallow fields and pastures, during breeding season.

Based on a record search and site reconnaissance, the Project Area does not appear to contain suitable habitat for Henslow's sparrow and the nearest eBird sighting was approximately 7.23 miles from the Project Area (Sullivan et al. 2009).

Loggerhead Shrike

The Loggerhead Shrike is a bird that can be found in open areas with scattered trees and shrubs, savanna, open woodlots, and pastures (AOU 1983). The Loggerhead Shrike is a non-migrant and can be found year-round in Kentucky. Based on a record search and site reconnaissance, the Project Area does not appear to contain suitable habitat for the Loggerhead Shrike. The nearest eBird sighting of a loggerhead shrike was approximately 5.04 miles from the Project Area (Sullivan et al. 2009).

Bachman's Sparrow

Bachman's sparrow is considered endangered in Kentucky. It historically inhabited early successional habitats, such as fallow fields and pastures, young pine plantations, and clear cuts that are regenerating (Palmer-Ball 1996). They also prefer habitats that contain hillsides with bare ground, native grasses and forbs, blackberry patches and smaller trees, such as red cedars and evergreens (Mengel 1965).

Based on a record search and site reconnaissance, the Project Area does not appear to contain suitable habitat for the Bachman's sparrow. The nearest eBird sighting was approximately 39.57 miles from the Project Area (Sullivan et al. 2009).

Black Sandshell

The black sandshell is a species of freshwater mussel that is listed as a species of special concern in Kentucky. In Kentucky, the species is generally distributed in medium-sized to large streams, typically with sand and gravel bottoms and occasionally mud (Haag and Cicerello 2016; Clarke 1981). Based on the results of the field reconnaissance, the majority of streams within the Project Area are not considered suitable for mussel species. No relic shells were observed.

Cylindrical Papershell

The cylindrical papershell is a species of freshwater mussel listed as an endangered species in the state of Kentucky. The species is distributionally considered occasional in the northern third of Kentucky, absent from the Appalachian Plateaus, sporadic in the Green River drainage, and only occurs in the Cumberland River drainage in the Litter River system (Haag and Cicerello 2016). The species is not reported in the Tennessee River drainage in Kentucky or in lowland habitats of western Kentucky (Haag and Cicerello 2016).

Based on results from the field reconnaissance, the majority of streams within the Project Area are not considered suitable for mussel species. No relic shells were observed.

Little Spectaclecase

The little spectaclecase is a freshwater mussel that is listed as threatened in the state of Kentucky. In Kentucky, the little spectaclecase occurs in sluggish lowland streams within the Mississippi Embayment in depositional environments, however, in the rest of the state the species occurs in cool upland streams and riffles with sand and gravel substrates (Haag and Cicerello 2016).

Based on results from the field reconnaissance, the majority of streams within the Project Area are not considered suitable for mussel species. No relic shells were observed.

Black Buffalo

The black buffalo is considered a sensitive fish species in Kentucky. They inhabit pool and backwaters of small to larger rivers that often carry strong currents (Page and Burr 2011, Lee et al. 1980). Within the Project Area, there are multiple perennial streams suitable for fish species including the black buffalo.

Cypress Minnow

The cypress minnow has been designated as an endangered species in Kentucky. They tend to live in slower pools and backwaters of streams, oxbow lakes, and cypress lakes with sand bottoms that are covered in mud (Warren and Burr 1989).

Within the Project Area, there are multiple perennial streams suitable for fish species including the cypress minnow.

Red Spotted Sunfish

The red spotted sunfish is considered a threatened species in Kentucky. They inhabit swamps, sloughs, lakes, creeks, and small to medium rivers. They also have been documented in brackish areas of estuaries and like slow to moderate flowing waters with muddy or sandy bottoms. They spawn in spring to summer, often in shallow waters (Ross 2001).

Within the Project Area, there are multiple perennial streams suitable for fish species including the red spotted sunfish.

Water-purslane

Water-purslane is an endangered plant species in Kentucky. It is an annual herb that can be found in wetlands, shallow waters, sloughs, ponds, and slow streams. It can be found flowering in mid-June to mid-August and fruiting in early July to late August (OKNP 2018a).

Water-purslane was not observed within the Project Area; however, it has the potential to exist in low-lying wetland areas of the Project Area.

Carolina Larkspur

Carolina larkspur is considered a threatened plant species in Kentucky. It is a perennial herb with flowers that can range anywhere between blue and white that all stem from a central stalk. The flowering period is from early May to late July. Carolina larkspur can be found in dry woods, prairies, sandhills, and at the edge of cedar glades (OKNP 2018b and Minnesota Wildflowers 2024).

No plants were observed within the Project Area; however, it has the potential to exist in forested areas and open prairie-like fields.

Eastern Ribbonsnake

The eastern ribbonsnake is a small non-venomous slender snake that can be found in isolated populations in west-central and northeastern Kentucky, as well as the western third of the state. The eastern ribbonsnake is considered a species of special concern in Kentucky. They tend to inhabit outer edges of wetlands, swamps, streams, and rivers where they can predate on small fish and amphibians.

Based on the results of the wetland delineation, suitable habitat is present for the eastern ribbonsnake within the Project Area.

Six-lined Racerunner

The six-lined racerunner is a species of special concern in Kentucky, typically found in well-drained and well sun-lit upland areas such as open fields, natural openings, and disturbed areas.

Based on the results of the wetland delineation, suitable habitat is present for the six-lined racerunner in the Project Area.

Migratory Birds and Eagles

Certain birds are protected under the Migratory Bird Treaty Act (1918) and the Bald and Golden Eagle Protection Act (1940).

The USFWS IPaC system identified two migratory Birds of Conservation Concern (BCC) with potential to occur in the Project Area. These species are discussed in further detail below, with potential to occur within the Project (Table 5; Appendix C).

Table 6. Birds of Conservation Concern (BCC) identified on the USFWS IPaC system.

Common Name	Scientific Name	Breeding Season	Months likely to be present	Nearest eBird Sighting (mile)
Field Sparrow	<i>Spizella pusilla</i>	1 March – 15 August	Mid-March	13.2
Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	10 May – 10 September	Mid-August to early September	2.71

The IPaC system did not identify any bald and/or golden eagles within the Project Area. Should an active nest be discovered within close proximity to the Project Area, an avoidance buffer of up to 660 feet for certain activities during nesting season would be required per the Bald and Golden Eagle Protection Act. The Bald and Golden Eagle Protection Act prohibits anyone who lacks a permit to take, possess, sell, purchase, barter, offer to sell, transport, export, or import a bald or golden eagle, dead or alive, including an egg or a part of a nest (16 U.S.C. 668-668c and 50 CFR Part 22).

Bald eagle habitat includes estuaries, large lakes, reservoirs, rivers, and some seacoasts and marshes where they forage for fish. Bald eagles will also feed on waterfowl, turtles, rabbits, snakes, other small animals, and carrion (USFWS 2019a). Bald eagles require a combination of readily available prey, perching areas, and nesting sites. In winter, bald eagles congregate near open water in tall trees for spotting prey and for night roosts (USFWS 2019a). No bald eagle occurrences have been recorded in or near the Project Area, however, bald eagles have been documented nesting in Muhlenberg County (KDFWR 2023). Therefore, an eagle and raptor nest survey was conducted on 21 March 2024 as part of this project.

Migratory Birds Habitat Assessment

Field Sparrow

In Kentucky, the field sparrow is considered a year-round resident and is within range of breeding and wintering habitat (Cornell Lab of Ornithology 2024b). They can be found in open habitats with low perches, such as orchards, nurseries, agricultural fields, pastures, fencerows, road edges, and forest edges and openings. They can be found in these habitats in both summer and winter but will generally avoid people while breeding.

Forest edges and agricultural lands are present within the Project Area, therefore suitable habitat for both breeding and overwintering populations of field sparrows are present. The nearest eBird sighting of a field sparrow was approximately 13.2 miles from the Project Area (Sullivan et al. 2009).

Red-headed Woodpecker

In Kentucky, the red-headed woodpecker is considered a year-round resident and is within range of breeding and wintering habitat (Cornell Lab of Ornithology 2024b). Habitat during breeding season includes deciduous forest edges where they can be found nesting in a variety of habitats that contain dead or dying trees. During non-breeding seasons, they can be found in the interiors of forested areas.

Based on a review of aerial imagery, approximately 826.47 acres of the 1368.31-acre Project Area may be forested habitat suitable for red-headed woodpecker breeding and wintering habitat. The nearest eBird sighting of a red-headed woodpecker was approximately 2.71 miles from the Project Area (Sullivan et al. 2009).

Eagle and Raptor Nest Survey

Building on the habitat assessment, Copperhead staff completed an aerial raptor nest survey for the proposed Project Area and a 660-foot buffer (herein referred to as 'Survey Area'). Bald eagles are the only eagle species with the potential to nest in the general vicinity of the Project Area.

An aerial survey of the entire Survey Area was conducted on 21 March 2024 and focused on suitable eagle and raptor nesting substrate (e.g., trees, transmission lines and structures, etc.). All observed nest locations were recorded using aerial mapping software. For each nest, location, species, and occupancy status was collected whenever possible. If located, eagle nests were classified as "In Use" or "Alternate" nests consistent with definitions amended from the ECPG and presented in the Eagle Incidental Take and Eagle Nest Take Regulations (50 CFR 13 and 22; USFWS 2016c).

During the flight survey, no bald eagle nests were documented in the Survey Area. One occupied unknown raptor nest was documented within the Survey Area; however, no raptor was present at the time of documentation. New nest material was observed, and it was concluded that that nest was too small to be a potential eagle nest.

Cultural and Historic Resources

Cultural Resource Analysts, Inc. (CRA), completed both a cultural and historic study and an archaeological records review for the Project Area in Muhlenberg County. Both desktop reviews were followed by a site reconnaissance.

Cultural and Historic Resources Review

Cultural resources include prehistoric and historic archaeological sites, districts, buildings, structures, and objects, as well as locations of important historic events. Cultural resources that are listed, or considered eligible for listing, in the National Register of Historic Places (NRHP) are called historic properties. To be considered a historic property, a cultural resource must possess both integrity and significance. A historic property's integrity is based on its location, design, setting, materials, workmanship, feeling, and association. The significance is established when

historic properties meet at least one of the following criteria: (a) are associated with important historical events or are associated with the lives of significant historic persons; (b) embody distinctive characteristics of a type, period, or method of construction; (c) represent the work of a master or have high artistic value; or (d) have yielded or may yield information important in history or prehistory (36 CFR Part 60.4).

An online review of the Kentucky Heritage Council (KHC) Site Check Web Service (Beta) online database was completed by CRA staff on 21 March 2024. This resource indicated that no previously identified resources are located within or directly adjacent to the study area. Staff also searched the geographic information systems (GIS) database of the National Park Service (NPS) and confirmed that no NRHP-listed sites are located in or adjacent to the Project Area.

The USGS 1953 Dunmor, Kentucky, 7.5-minute series topographic quadrangle map depicted three potentially significant resources: two cemeteries and one railroad grade and culvert. A site reconnaissance was completed by CRA on 26 March 2024 to examine and document each of these resources. Based on National Register Criteria and after a thorough review, it was determined by CRA that each of these resources are not eligible for inclusion in the NRHP under Criterion A, B, or C.

Archaeological Records Review

An online review of archaeological records was completed by CRA on 13 May 2024 for the Project Area. The review included records maintained by the Office of State Archaeology (OSA) (FY24-12748) and the NRHP to: 1) determine if the Project Area had been previously surveyed for archaeological resources; 2) identify any previously recorded archaeological sites that were situated within the Project Area; 3) provide information concerning what archaeological resources could be expected within the Project Area; and 4) provide a context for any archaeological resources that may be identified within the Project Area.

The OSA data revealed that one previous professional archaeological survey was conducted within a portion of the Project Area and the data further indicated that no archaeological sites were recorded within or adjacent to the Project Area. The review of historic maps showed 19 historic structure locations within the study area, all of which likely date to the twentieth century. At least two structures, not likely to be original to their locations, have the potential to be historic if constructed before 1974. Cultural deposits found in association with any of them might be considered archaeological sites and could be significant. These sites and two cemeteries were observed during the site reconnaissance on 20 and 21 March 2024. One cemetery is relatively modern with three graves dating from 2017-2019 and the other contains 30 graves dating from 1860-1918.

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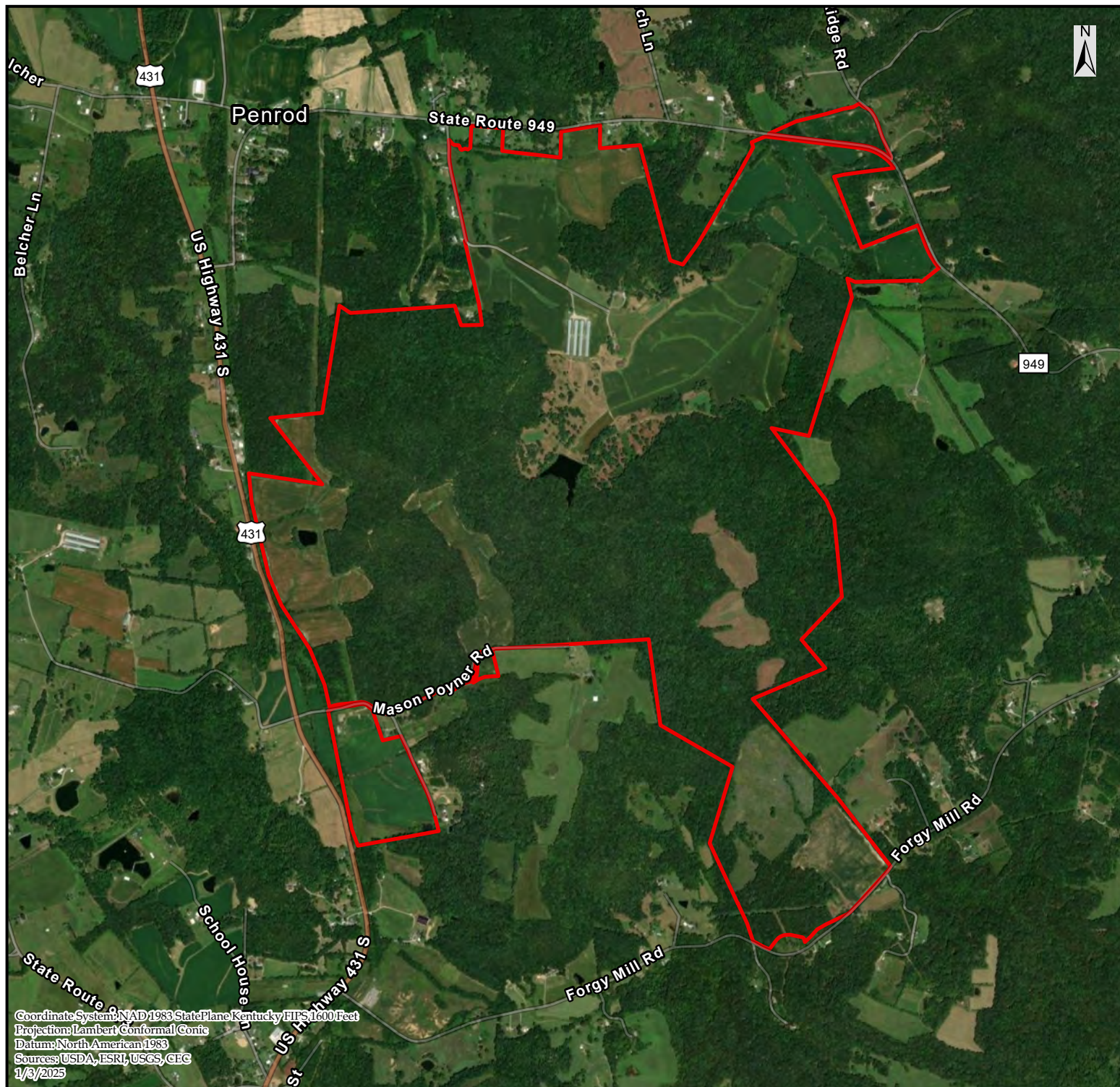
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FIGURES

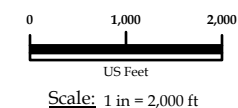


Prepared for:
**Lost City
Renewables, LLC**

FIGURE 1:
Project Overview for the
Lost City Solar Project,
Muhlenberg County, Kentucky.

Legend

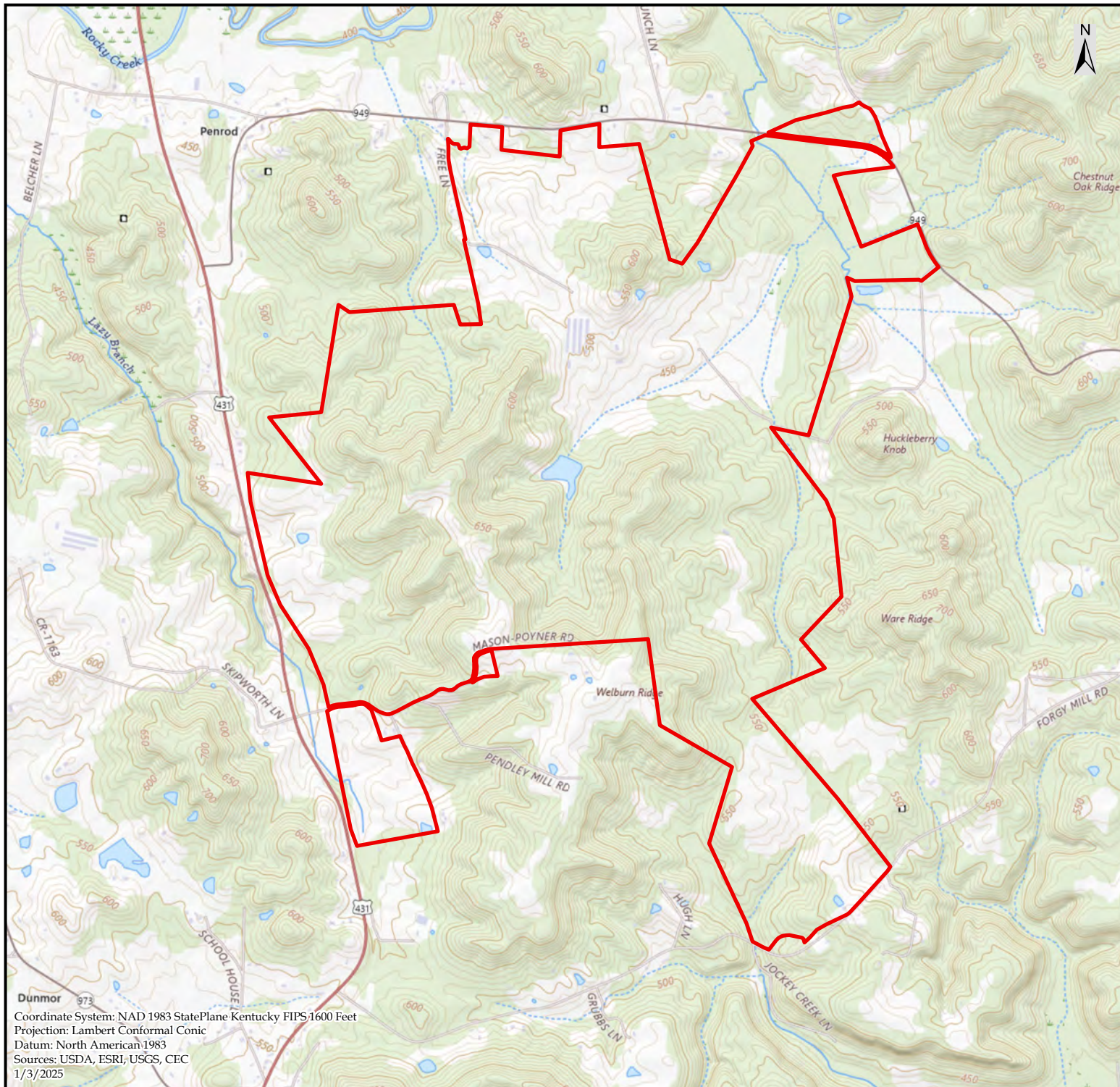
□ Project Area



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471 Main Street
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Coordinate System: NAD 1983 StatePlane Kentucky FIPS 1600 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
Sources: USDA, ESRI, USGS, CEC
1/3/2025



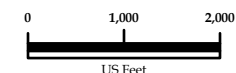
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FIGURE 2:
Topographic Overview for the
Lost City Solar Project,
Muhlenberg County, Kentucky.

Legend

 Project Area

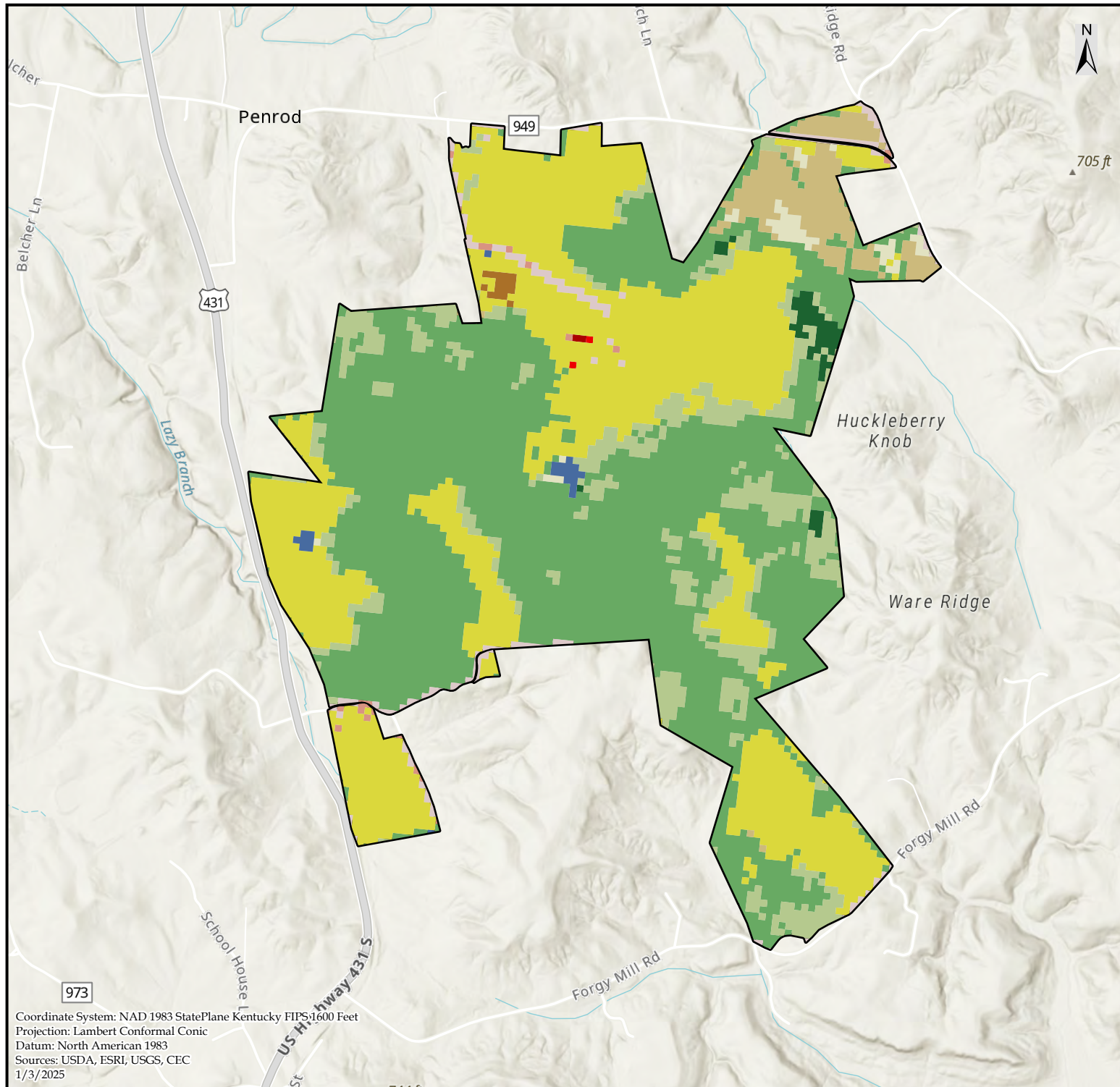


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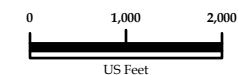


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FIGURE 3:
 National Land Cover Database
 for the Lost City Solar Project,
 Muhlenberg County, Kentucky.

Legend

- | | |
|---|--|
| ■ Cultivated Crops | ■ Hay/Pasture |
| ■ Deciduous Forest | ■ Herbaceous |
| ■ Developed, High Intensity | ■ Mixed Forest |
| ■ Developed, Low Intensity | ■ Open Water |
| ■ Developed, Medium Intensity | ■ Shrub/Scrub |
| ■ Developed, Open Space | □ Project Area |
| ■ Evergreen Forest | |

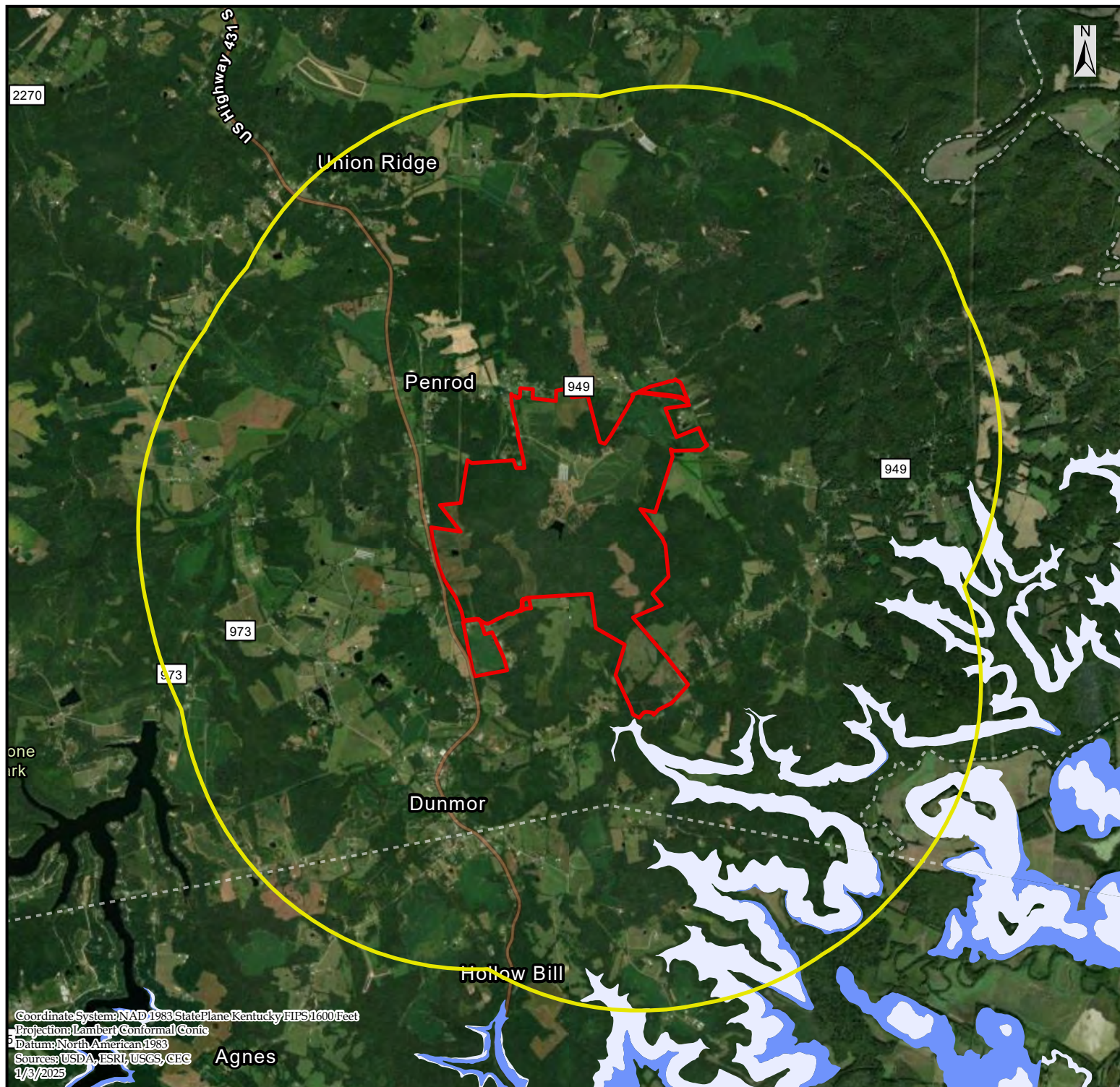


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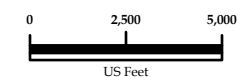


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FIGURE 4:
 Karst Areas for the
 Lost City Solar Project,
 Muhlenberg County, Kentucky.

Legend

- Very High Karst Potential
- High Karst Potential
- Medium Karst Potential
- Low Karst Potential
- 2-mile Buffer
- Project Area

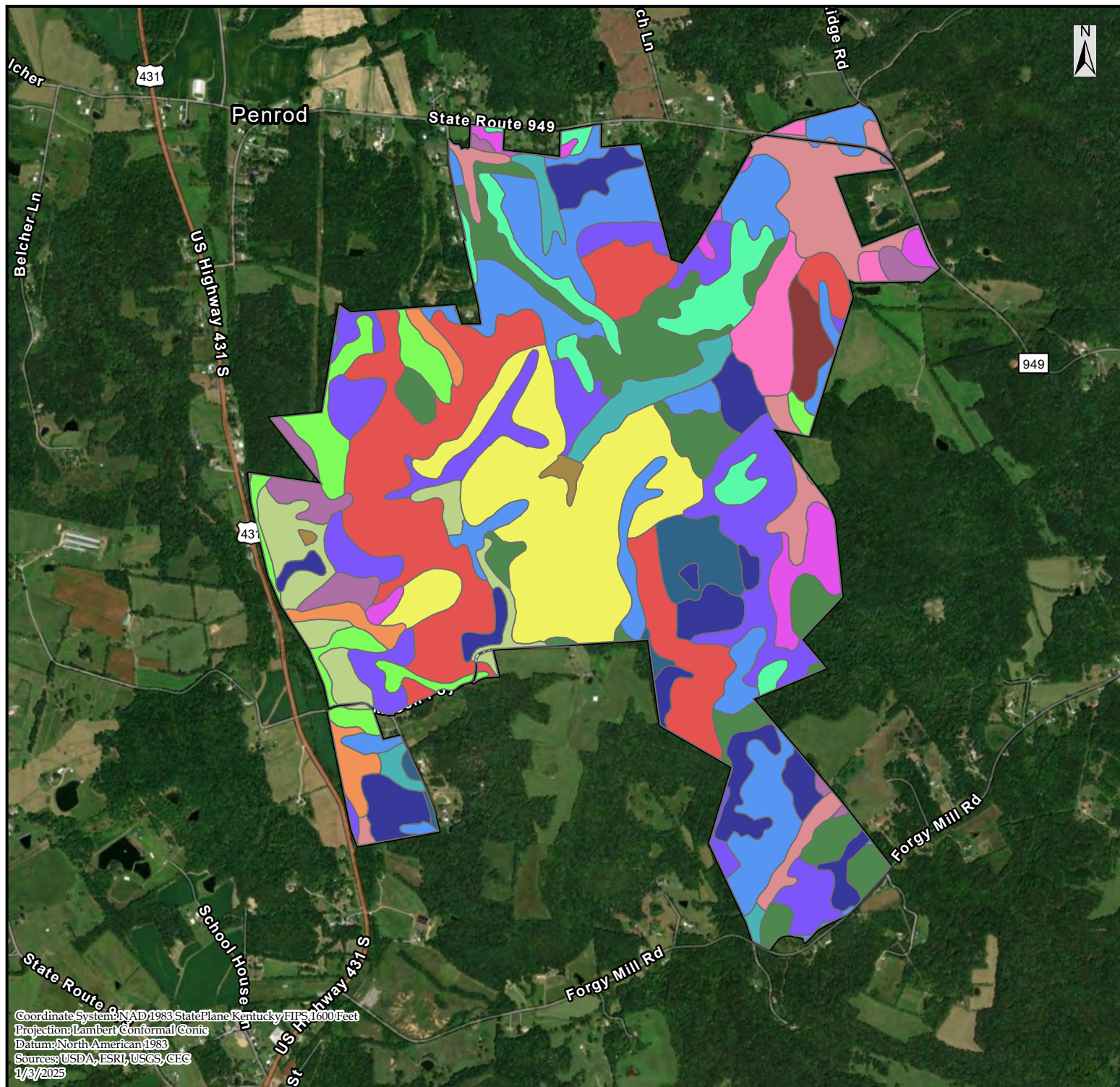


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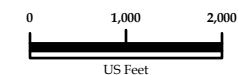


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FIGURE 5:
 USDA SSURGO Soil Classifications
 for the Lost City Solar Project,
 Muhlenberg County, Kentucky.

Legend

- | | |
|------|--------------|
| Cg | WID3 |
| FID | WIE |
| FIE | ZaB |
| FIF | ZaC |
| SaB | ZaC3 |
| W | uBelA |
| WIB | uBonA |
| WIC | uShaA |
| WIC3 | Project Area |
| WID | |

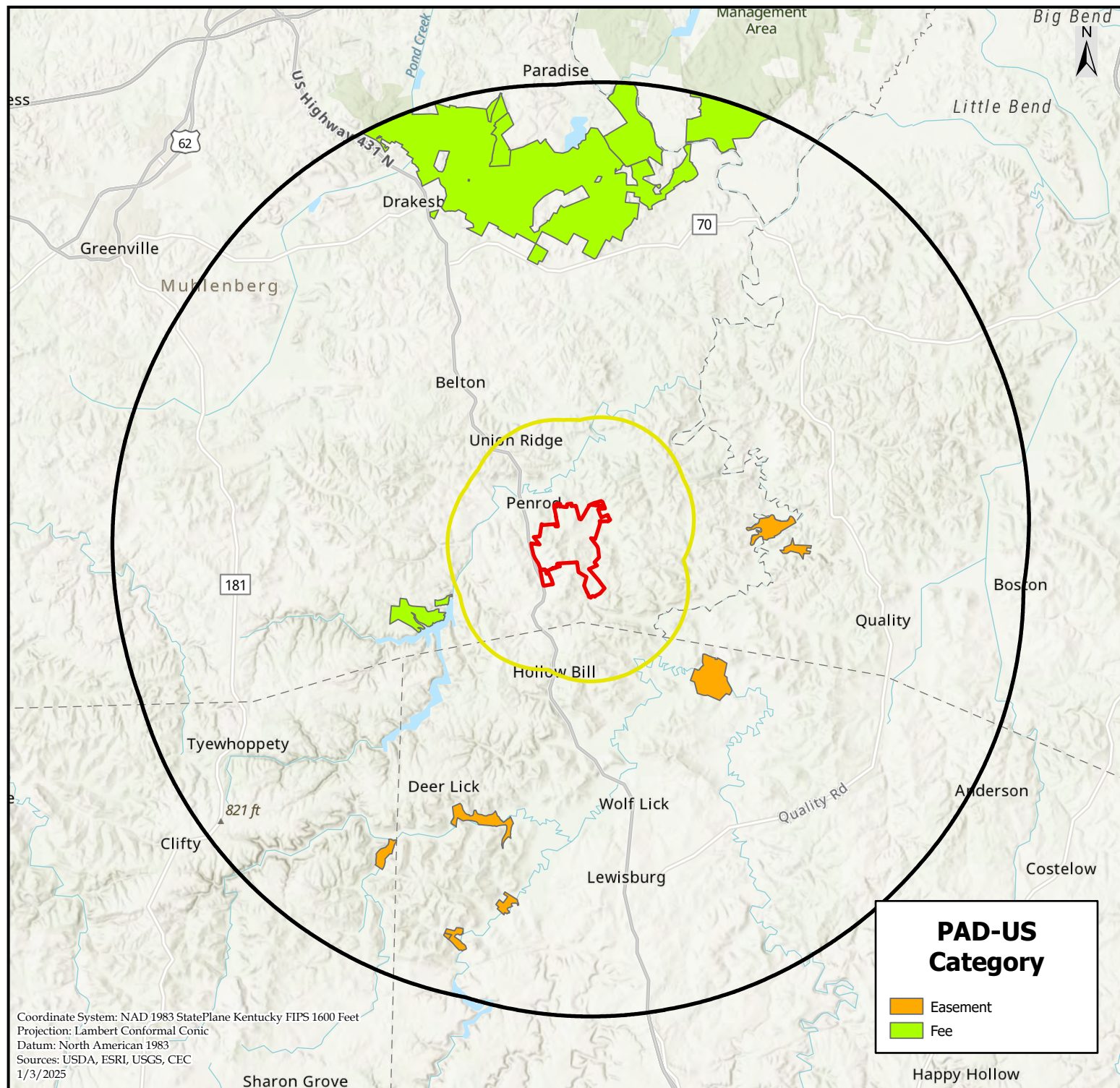


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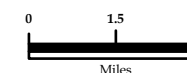


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FIGURE 6:
 Protected and Conservation Areas
 for the Lost City Solar Project,
 Muhlenberg County, Kentucky.

Legend

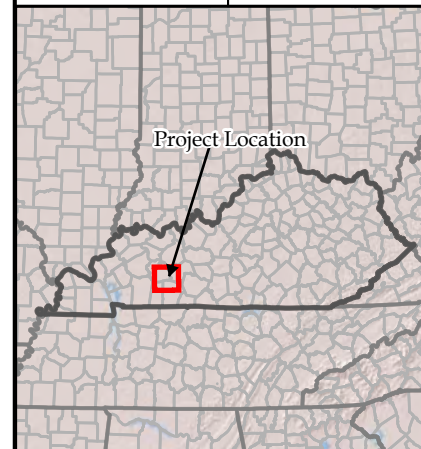
- Easement
- Fee
- 2-mile Buffer
- 10-mile Buffer
- Project Area



Scale: 1 in = 3 mi

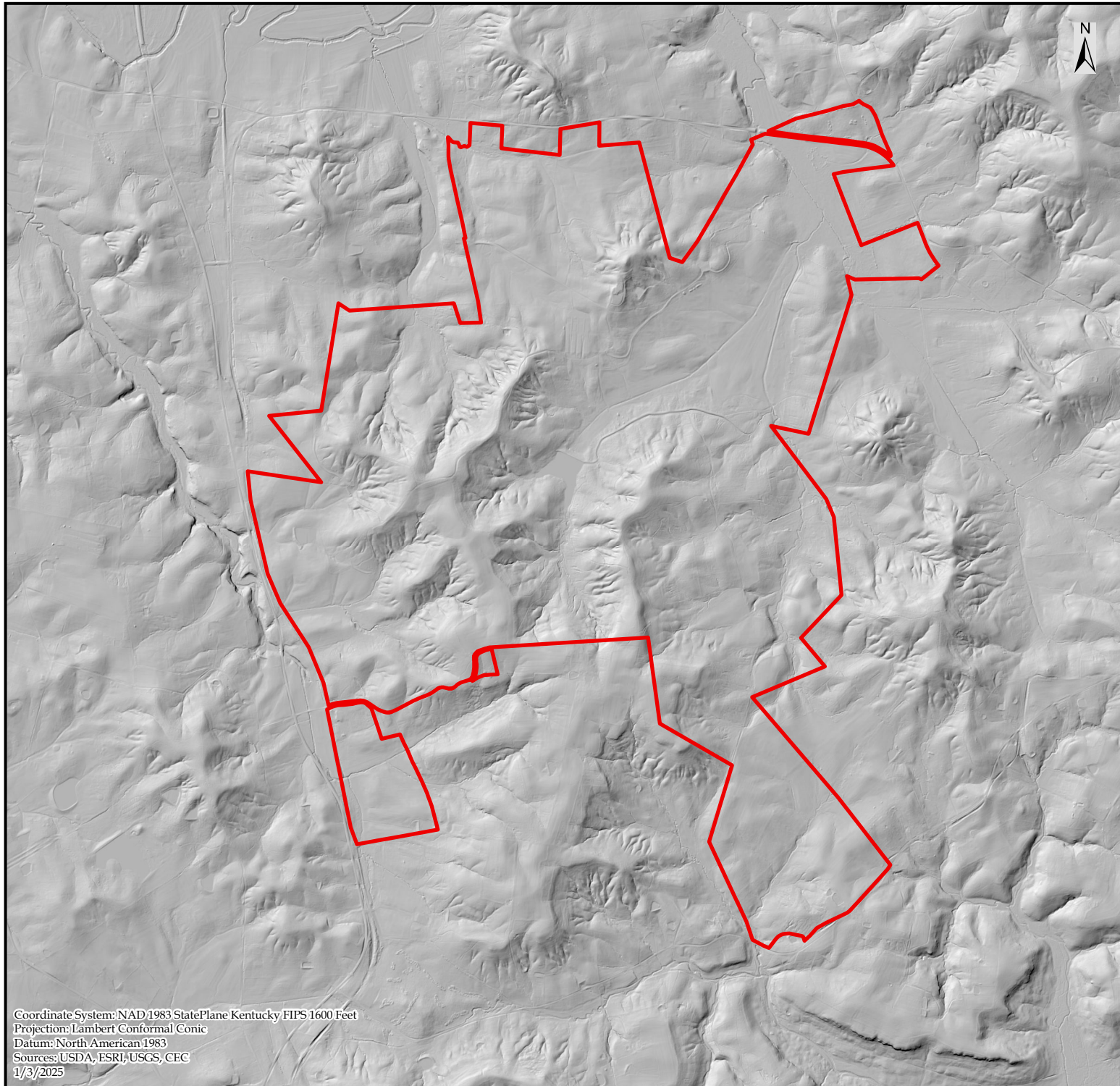
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PAD-US Category

- Easement
- Fee



Coordinate System: NAD 1983 StatePlane Kentucky FIPS 1600 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
Sources: USDA, ESRI, USGS, CEC
1/3/2025

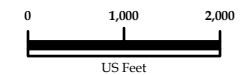


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FIGURE 7:
Digital Elevation Model
for the Lost City Solar Project,
Muhlenberg County, Kentucky.

Legend

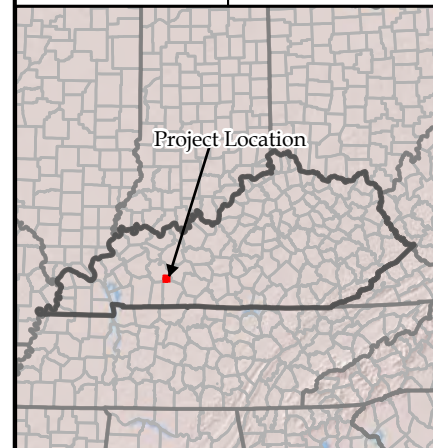
 Project Area

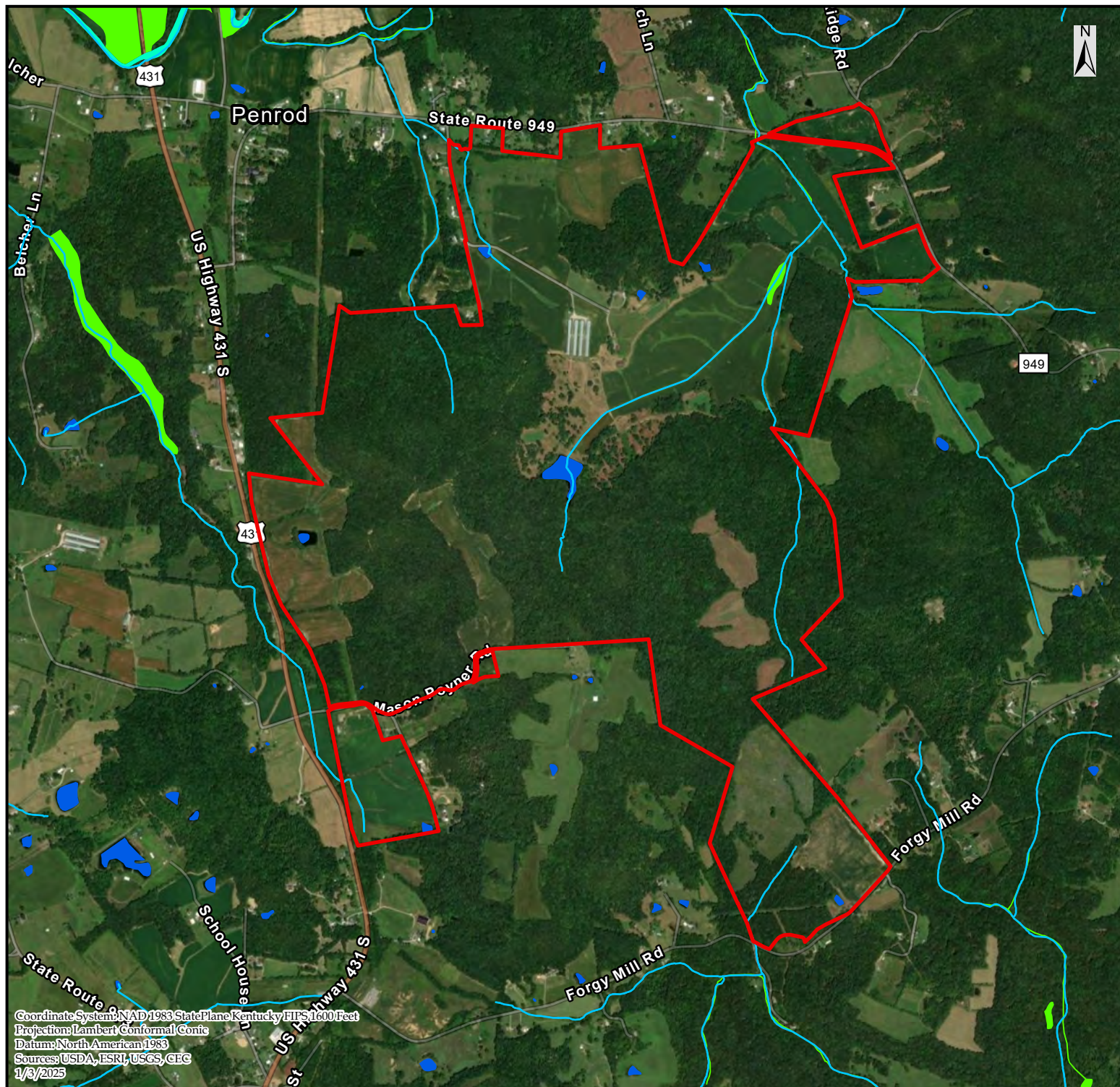


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Coordinate System: NAD 1983 StatePlane Kentucky FIPS 1600 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 Sources: USDA, ESRI, USGS, CEG
 1/3/2025



Prepared for:
**Lost City
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FIGURE 8:
 Existing Hydrology for the
 Lost City Solar Project,
 Muhlenberg County, Kentucky.

Legend

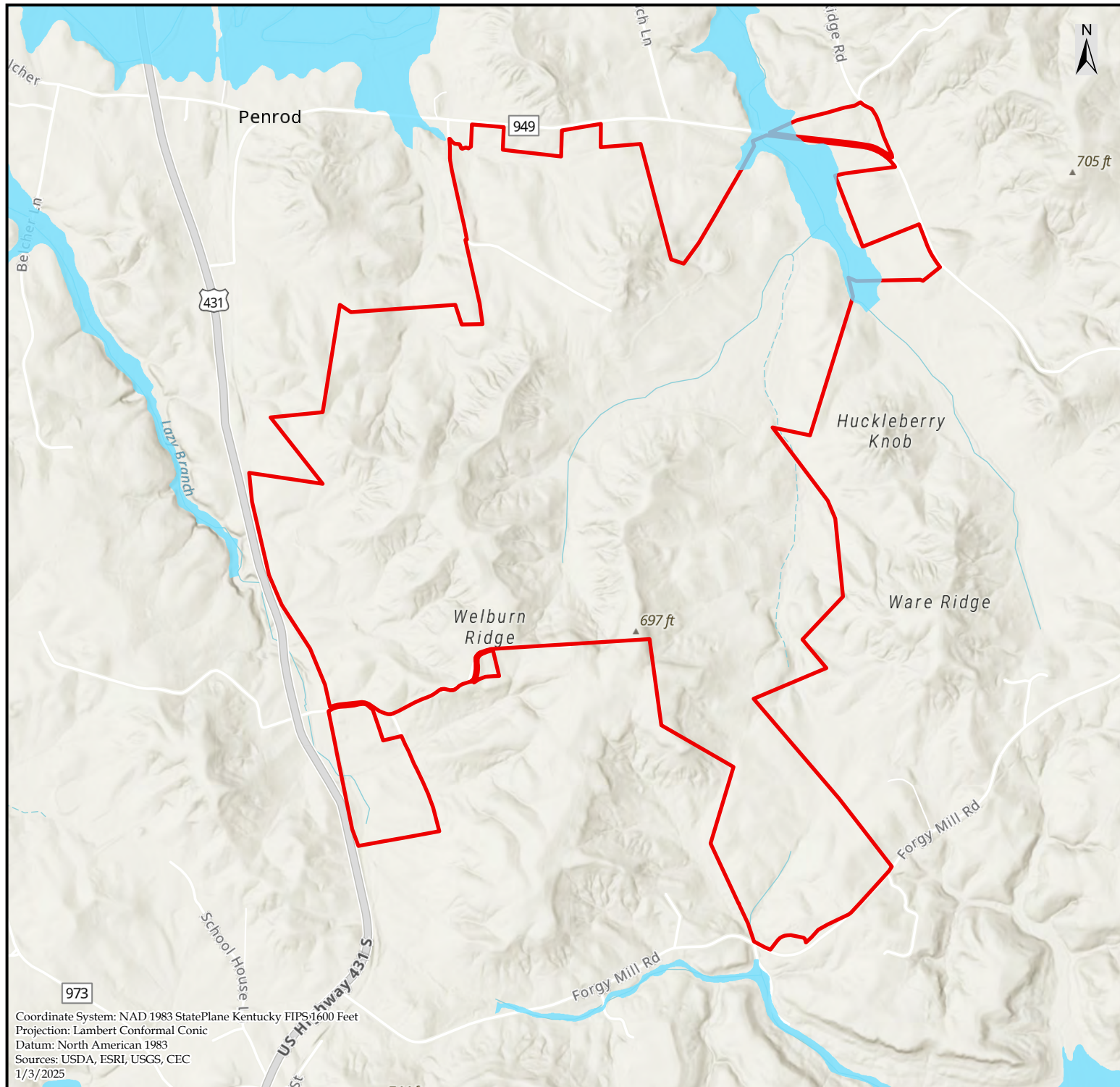
- NHD Waterway
- NHD Waterbody
- Freshwater Forested/Shrub Wetland
- Riverine Wetland
- Project Area

0 1,000 2,000
 US Feet
 Scale: 1 in = 2,000 ft

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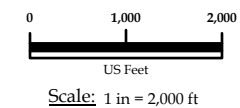
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Projection: Lambert Conformal Conic
Datum: North American 1983
Sources: USDA, ESRI, USGS, CEC
1/3/2025



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**Lost City
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FIGURE 9:
FEMA Annual Chance Flood Hazard
for the Lost City Solar Project,
Muhlenberg County, Kentucky.

Legend

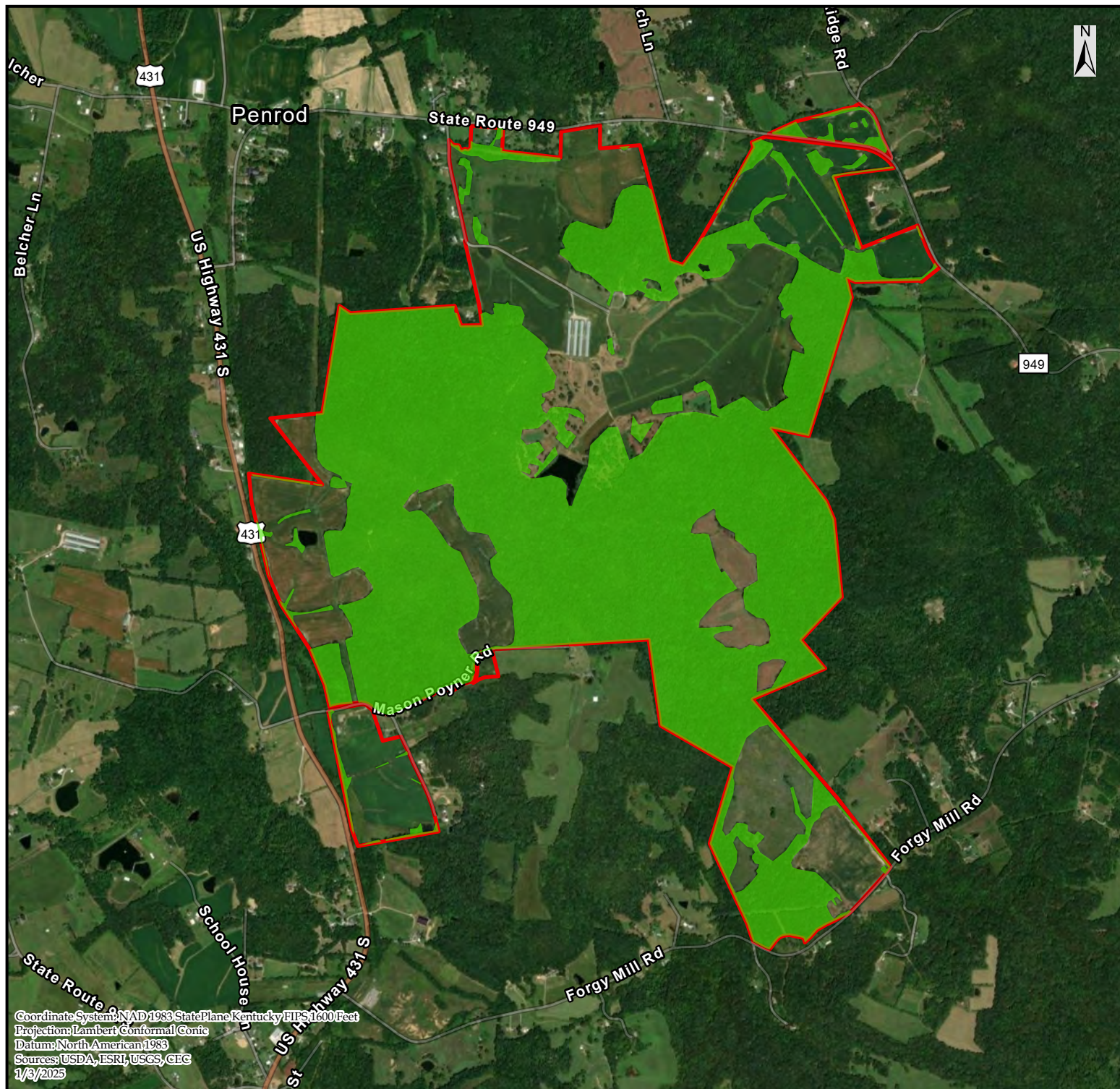
- 1% Annual Chance Flood Hazard
- Project Area



Prepared by :
Copperhead Environmental Consulting, Inc.
471 Main Street
P.O. Box 73
Paint Lick, Kentucky 40461

Drawn by:	TC	Date:	1/3/2025
Checked by:	MM	Revision:	01



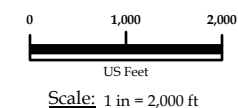


Prepared for:
**Lost City
 Renewables, LLC**

FIGURE 10:
 Forested Habitat for the
 Lost City Solar Project,
 Muhlenberg County, Kentucky.

Legend

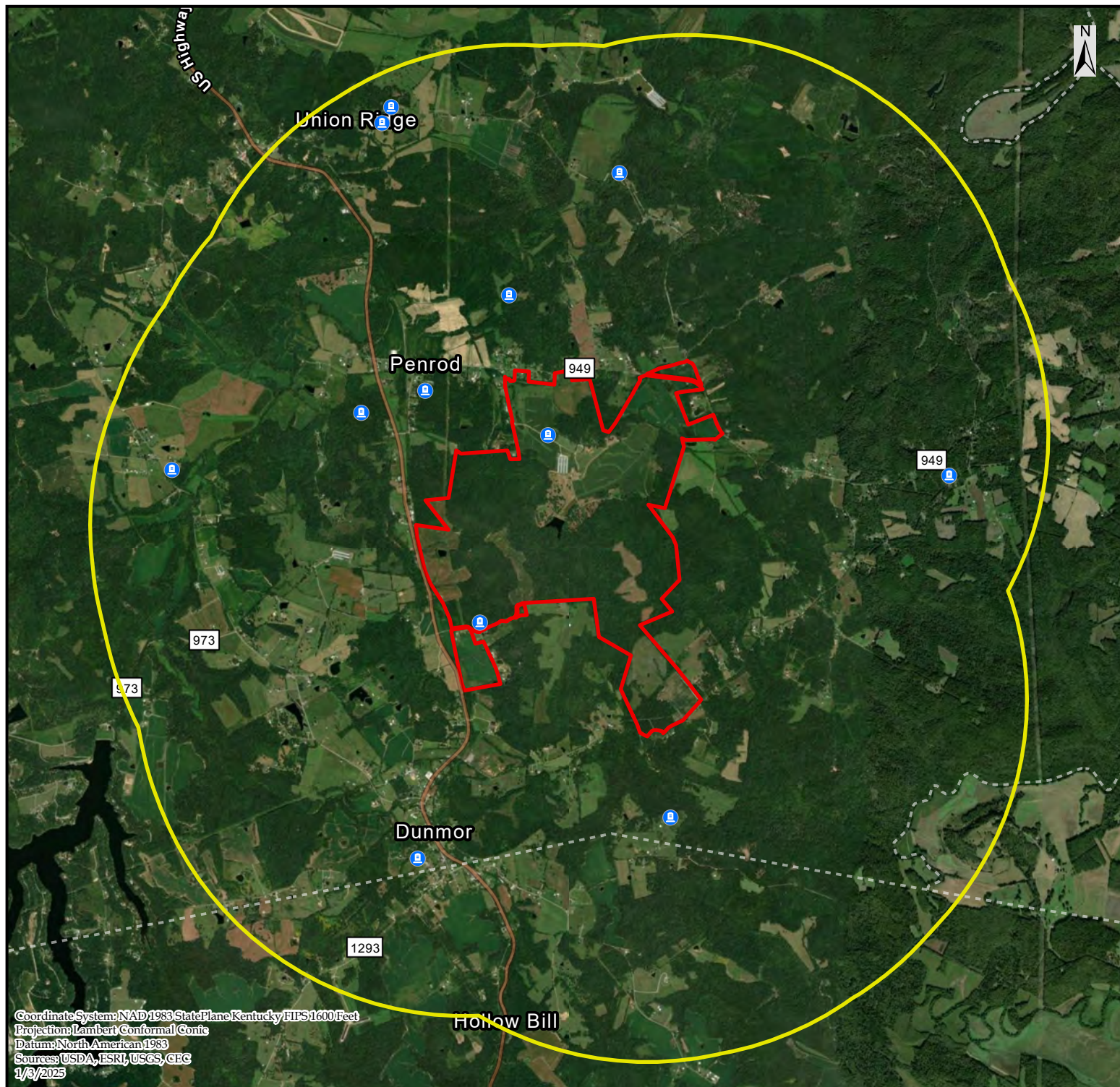
- Forested Habitat
- Project Area



Prepared by :
 Copperhead Environmental Consulting, Inc.
 471 Main Street
 P.O. Box 73
 Paint Lick, Kentucky 40461

Drawn by:	TC	Date:	1/3/2025
Checked by:	MM	Revision:	01





Coordinate System: NAD 1983 StatePlane Kentucky FIPS 1600 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
Sources: USDA, ESRI, USGS, CEG
1/3/2025



Prepared for:
**Lost City
Renewables, LLC**

FIGURE 11:
Cemetery Locations for the
Lost City Solar Project,
Muhlenberg County, Kentucky.

Legend

- Cemetery
- Two-mile Buffer
- Project Area

0 2,000 4,000
US Feet
Scale: 1 in = 4,500 ft

Prepared by :
Copperhead Environmental Consulting, Inc.
471 Main Street
P.O. Box 73
Paint Lick, Kentucky 40461

Drawn by:	TC	Date:	1/3/2025
Checked by:	MM	Revision:	01



APPENDIX A:

Federal Aviation Administration (FAA) Notice Criteria Tool Results



Notice Criteria Tool

[Notice Criteria Tool - Desk Reference Guide V_2018.2.0](#)

The requirements for filing with the Federal Aviation Administration for proposed structures vary based on a number of factors: height, proximity to an airport, location, and frequencies emitted from the structure, etc. For more details, please reference [CFR Title 14 Part 77.9](#).

You must file with the FAA at least 45 days prior to construction if:

- your structure will exceed 200ft above ground level
- your structure will be in proximity to an airport and will exceed the slope ratio
- your structure involves construction of a traverseway (i.e. highway, railroad, waterway etc...) and once adjusted upward with the appropriate vertical distance would exceed a standard of 77.9(a) or (b)
- your structure will emit frequencies, and does not meet the conditions of the [FAA Co-location Policy](#)
- your structure will be in an instrument approach area and might exceed part 77 Subpart C
- your proposed structure will be in proximity to a navigation facility and may impact the assurance of navigation signal reception
- your structure will be on an airport or heliport
- filing has been requested by the FAA

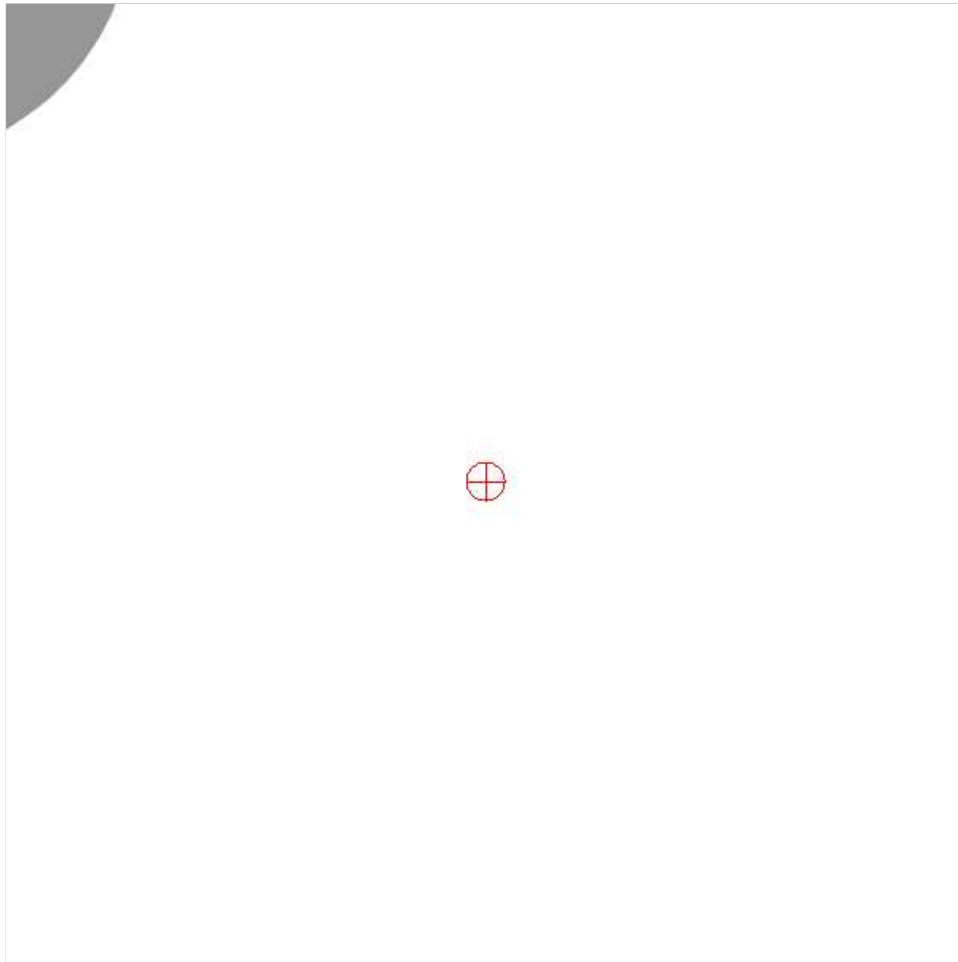
If you require additional information regarding the filing requirements for your structure, please identify and contact the appropriate FAA representative using the [Air Traffic Areas of Responsibility map](#) for Off Airport construction, or contact the [FAA Airports Region / District Office](#) for On Airport construction.

The tool below will assist in applying Part 77 Notice Criteria.

* Structure Type:	SOLAR Solar Panel ▼			
	Please select structure type and complete location point information.			
Latitude:	37	Deg	6	M 11.63 S N ▼
Longitude:	86	Deg	58	M 57.10 S W ▼
Horizontal Datum:	NAD83 ▼			
Site Elevation (SE):	489	(nearest foot)		
Structure Height :	15	(nearest foot)		
Is structure on airport:	<input checked="" type="radio"/> No <input type="radio"/> Yes			

Results

You do not exceed Notice Criteria.



APPENDIX B:

EDR Radius Map Report, The EDR Aerial Photo Decade Package, EDR Historical Topographic Map Report, and EDR Certified Sanborn Map Report



Corridor Phase I

Corridor Phase I

Russellville, KY 42276

Inquiry Number: 7617644.3

April 09, 2024

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/09/24

Site Name:

Corridor Phase I
Corridor Phase I
Russellville, KY 42276
EDR Inquiry # 7617644.3

Client Name:

Linebach Funkhouser Inc.
114 Fairfax Ave
Louisville, KY 40207
Contact: Bjohnston@lfienv.com



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Linebach Funkhouser Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	NA	Latitude:	36.962729 36° 57' 46" North
Project:	NA	Longitude:	-86.927819 -86° 55' 40" West
		UTM Zone:	Zone 16 North
		UTM X Meters:	506425.52
		UTM Y Meters:	4090740.22
		Elevation:	451.23' above sea level

Maps Provided:

2022
2019
2016
2013
1953
1913, 1914
1911

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2022 Source Sheets



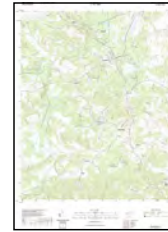
Dunmor
2022
7.5-minute, 24000



Rosewood
2022
7.5-minute, 24000



Rochester
2022
7.5-minute, 24000



Drakesboro
2022
7.5-minute, 24000

2019 Source Sheets



Dunmor
2019
7.5-minute, 24000



Rosewood
2019
7.5-minute, 24000



Rochester
2019
7.5-minute, 24000



Drakesboro
2019
7.5-minute, 24000

2016 Source Sheets



Dunmor
2016
7.5-minute, 24000



Rosewood
2016
7.5-minute, 24000



Rochester
2016
7.5-minute, 24000



Drakesboro
2016
7.5-minute, 24000

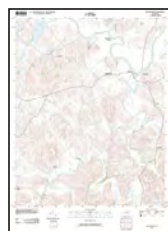
2013 Source Sheets



Dunmor
2013
7.5-minute, 24000



Rosewood
2013
7.5-minute, 24000



Rochester
2013
7.5-minute, 24000



Drakesboro
2013
7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1953 Source Sheets



Rochester
1953
7.5-minute, 24000
Aerial Photo Revised 1951



Dunmor
1953
7.5-minute, 24000
Aerial Photo Revised 1951



Drakesboro
1953
7.5-minute, 24000
Aerial Photo Revised 1951

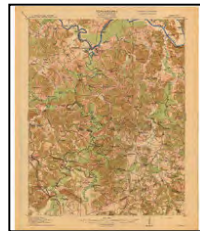


Rosewood
1953
7.5-minute, 24000
Aerial Photo Revised 1950

1913, 1914 Source Sheets



Drakesboro
1913
15-minute, 62500



Dunmor
1914
15-minute, 62500

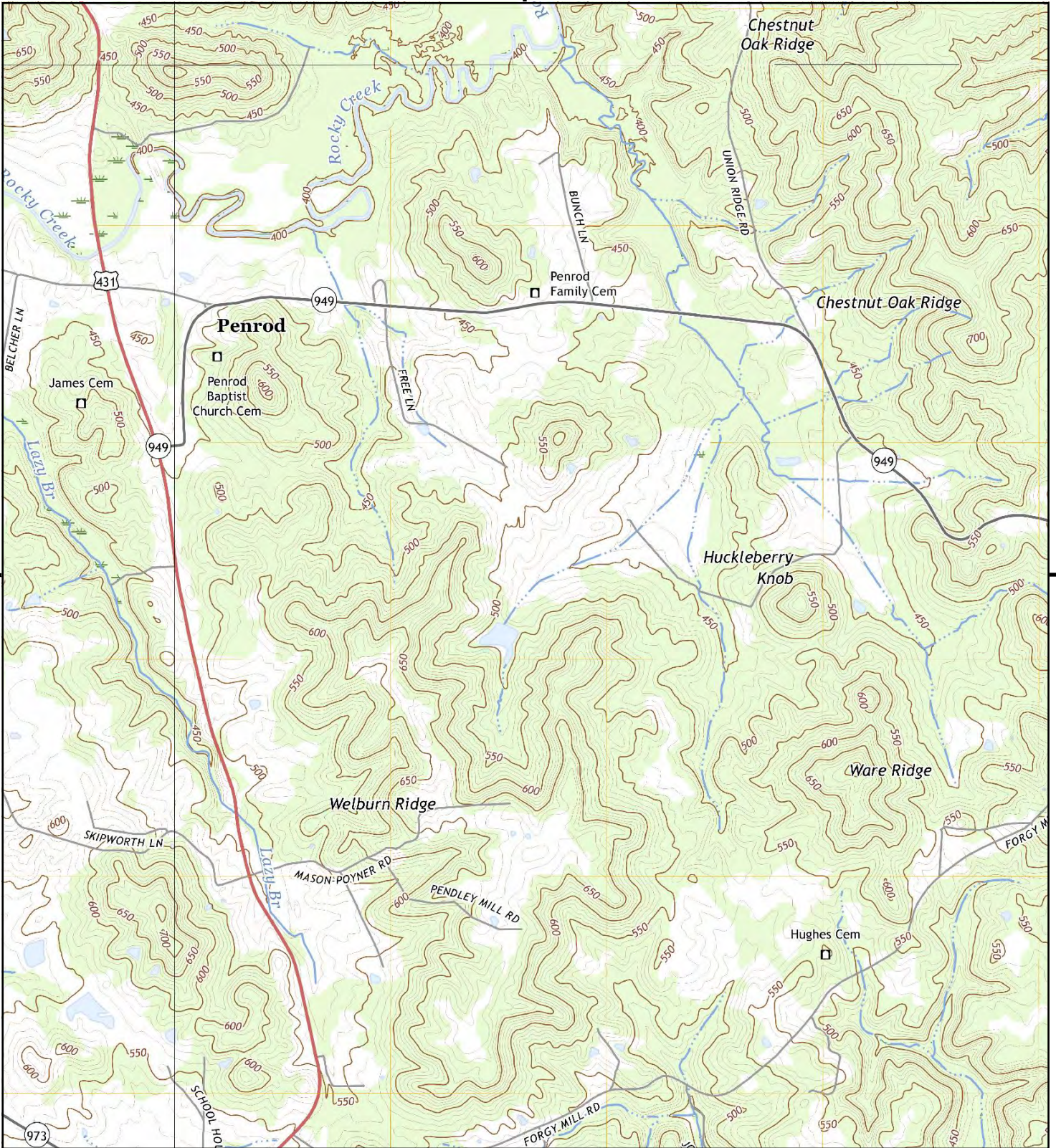
1911 Source Sheets



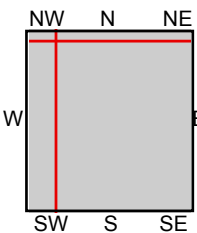
Drakesboro
1911
15-minute, 48000



Dunmor
1911
15-minute, 48000



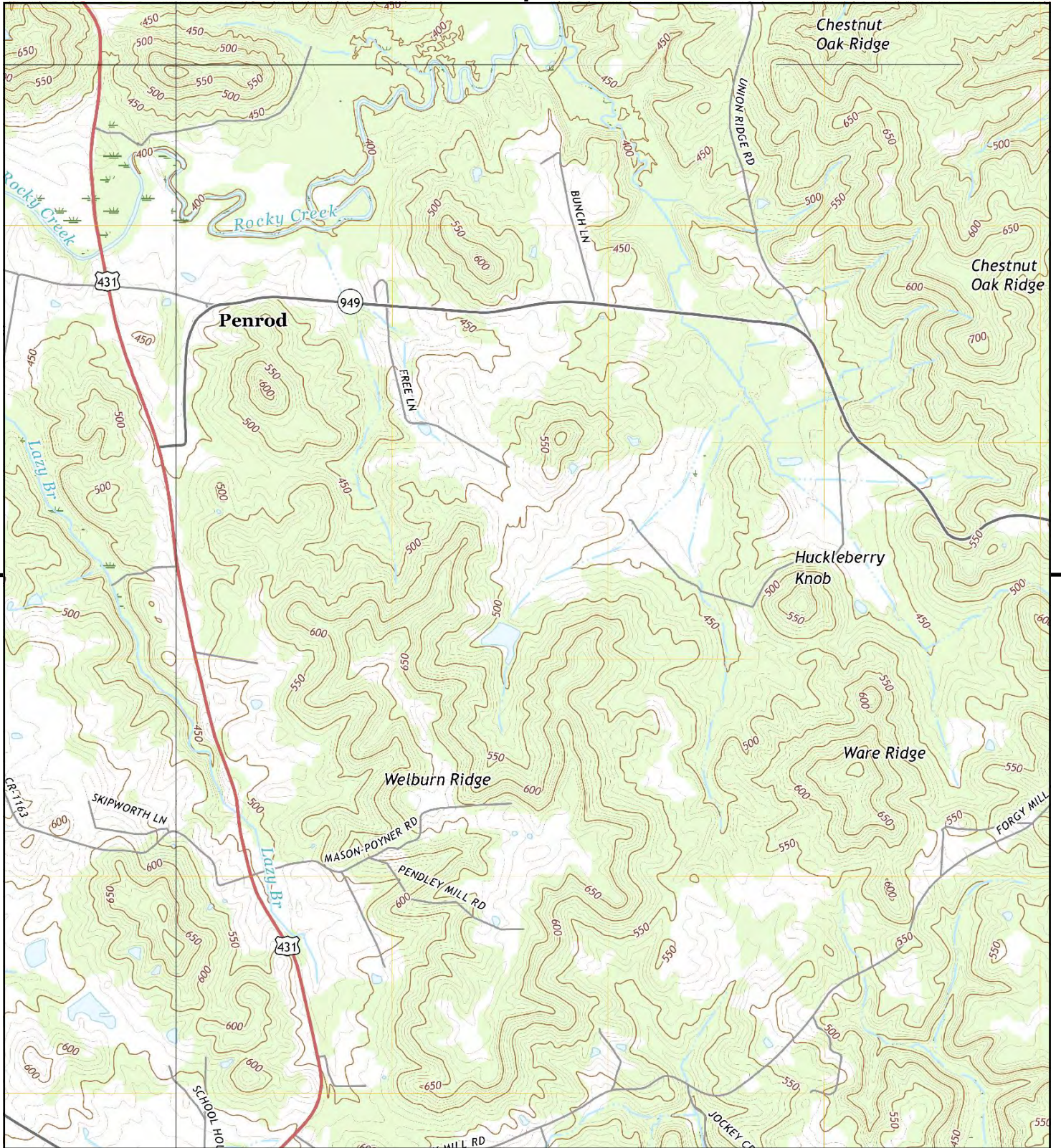
This report includes information from the following map sheet(s).



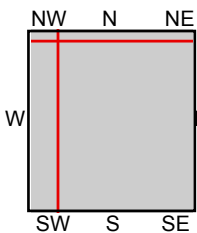
TP, Dunmor, 2022, 7.5-minute
N, Drakesboro, 2022, 7.5-minute
NE, Rochester, 2022, 7.5-minute
SW, Rosewood, 2022, 7.5-minute

SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
Russellville, KY 42276
CLIENT: Linebach Funkhouser Inc.





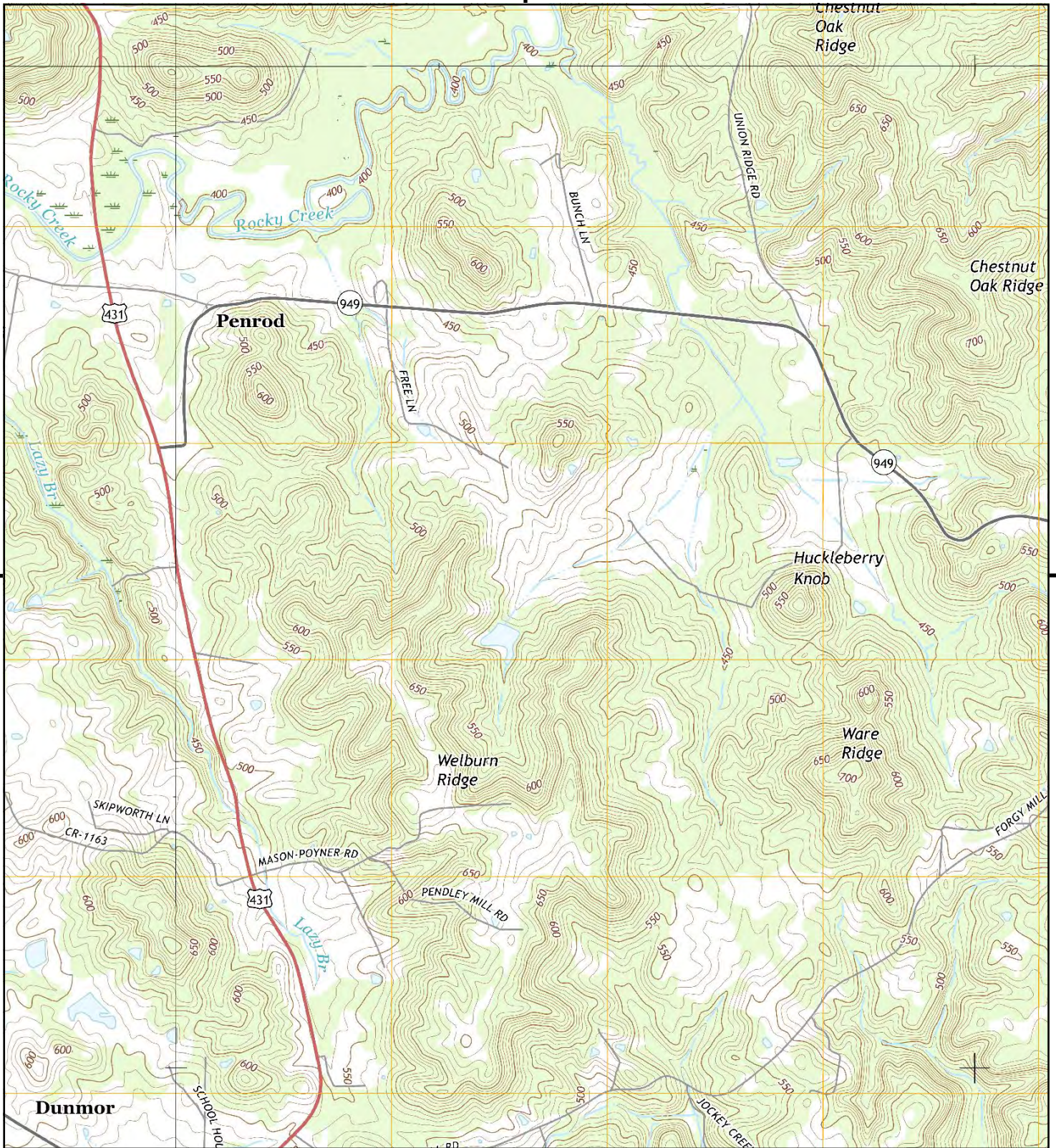
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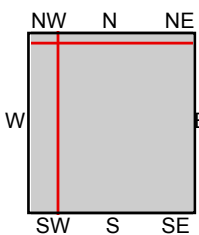
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 N, Drakesboro, 2019, 7.5-minute
 NE, Rochester, 2019, 7.5-minute
 SW, Rosewood, 2019, 7.5-minute

SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
 Russellville, KY 42276
CLIENT: Linebach Funkhouser Inc.





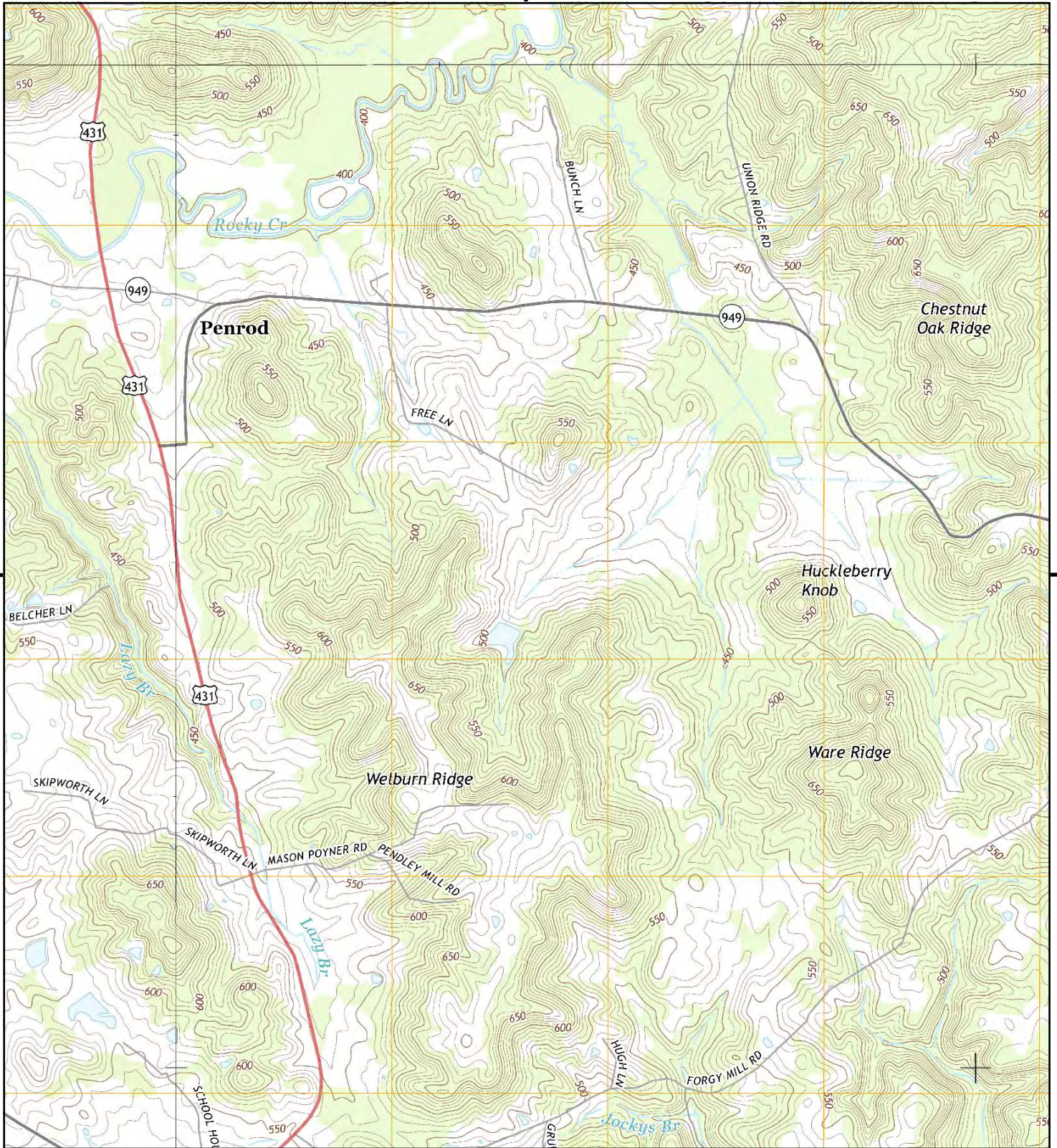
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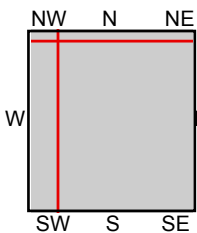
TP, Dunmor, 2016, 7.5-minute
 N, Drakesboro, 2016, 7.5-minute
 NE, Rochester, 2016, 7.5-minute
 SW, Rosewood, 2016, 7.5-minute

SITE NAME: Corridor Phase I
 ADDRESS: Corridor Phase I
 Russellville, KY 42276
 CLIENT: Linebach Funkhouser Inc.





This report includes information from the following map sheet(s).



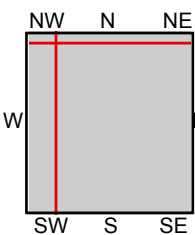
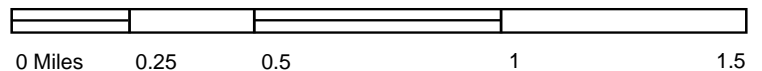
TP, Dunmor, 2013, 7.5-minute
N, Drakesboro, 2013, 7.5-minute
NE, Rochester, 2013, 7.5-minute
SW, Rosewood, 2013, 7.5-minute

SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
Russellville, KY 42276
CLIENT: Linebach Funkhouser Inc.





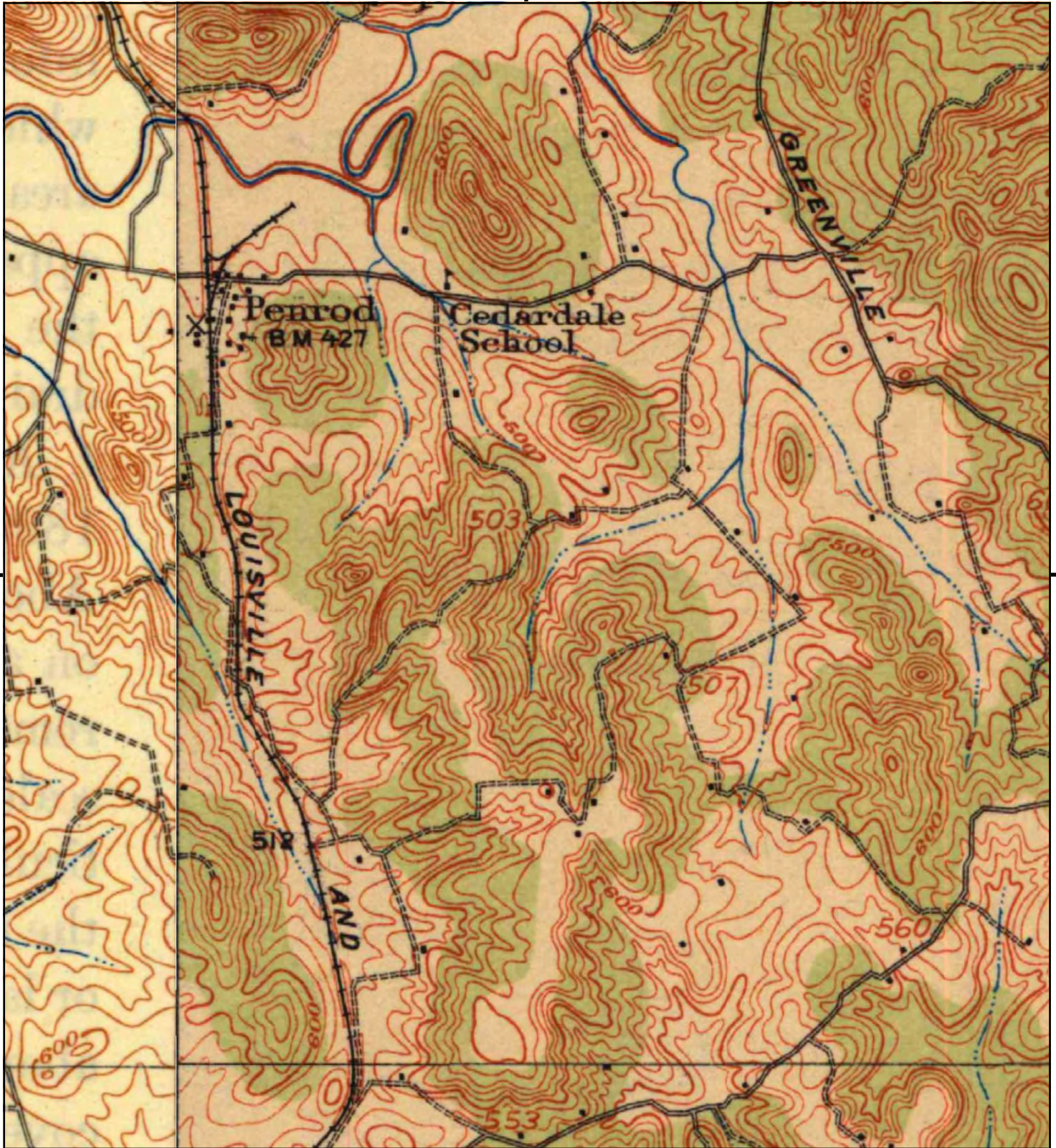
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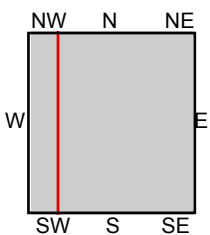
TP, Dunmor, 1953, 7.5-minute
NE, Rochester, 1953, 7.5-minute
S, Rosewood, 1953, 7.5-minute
NW, Drakesboro, 1953, 7.5-minute

SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
Russellville, KY 42276
CLIENT: Linebach Funkhouser Inc.





This report includes information from the following map sheet(s).



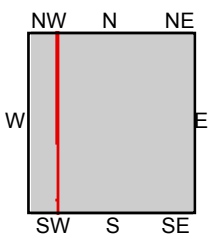
TP, Dunmor, 1914, 15-minute
W, Drakesboro, 1913, 15-minute

SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
Russellville, KY 42276
CLIENT: Linebach Funkhouser Inc.





This report includes information from the following map sheet(s).



TP, Dunmor, 1911, 15-minute
W, Drakesboro, 1911, 15-minute

SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
Russellville, KY 42276
CLIENT: Linebach Funkhouser Inc.





Corridor Phase I

Corridor Phase I

Russellville, KY 42276

Inquiry Number: 7617644.7

April 11, 2024

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Date EDR Searched Historical Sources:

Aerial Photography April 11, 2024

Target Property:

Corridor Phase I

Russellville, KY 42276

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1951	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1951	USGS
1972	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1972	USGS
1981	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1981	USDA
1983	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1983	USDA
1993	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1998	USGS/DOQQ
2008	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2008	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2012	USDA/NAIP
2016	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2016	USDA/NAIP
2020	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2020	USDA/NAIP



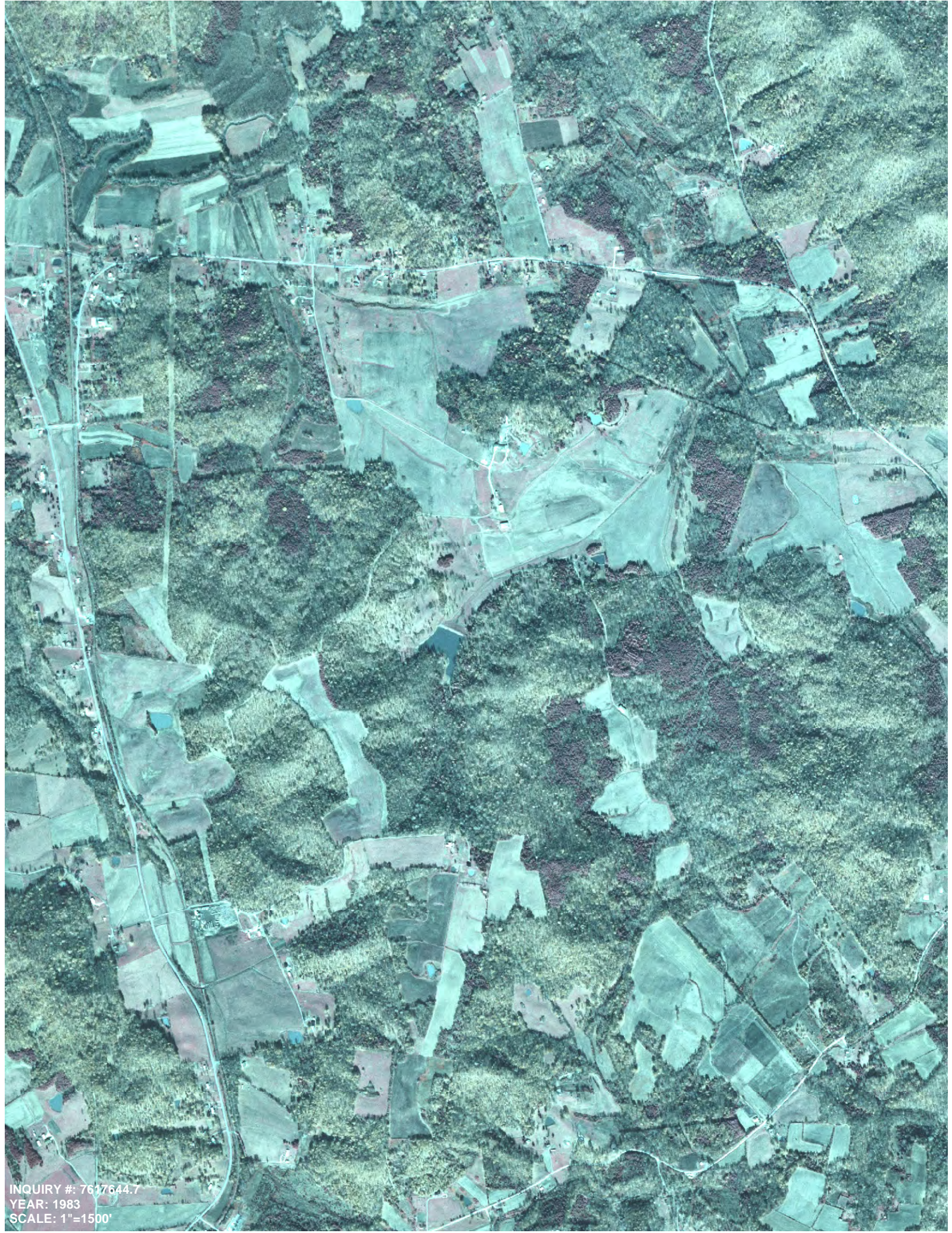
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YEAR: 1951
SCALE: 1"=1500'



INQUIRY #: 7617644.7
YEAR: 1972
SCALE: 1"=1500'



INQUIRY #: 7617644.7
YEAR: 1981
SCALE: 1"=1500'



INQUIRY #: 7617644.7
YEAR: 1983
SCALE: 1"=1500'



INQUIRY #: 7617644.7
YEAR: 1993
SCALE: 1"=1500'



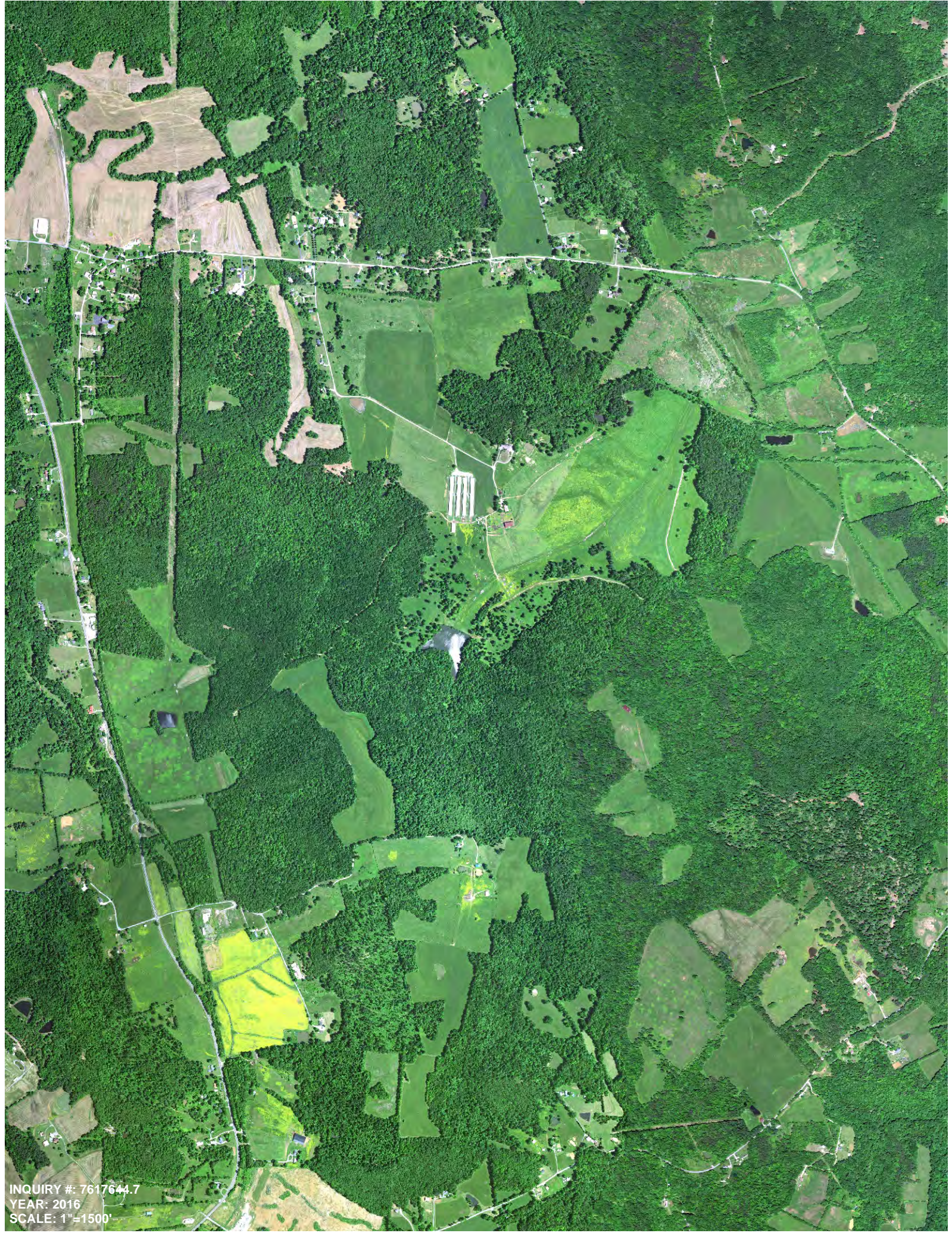
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YEAR: 1999
SCALE: 1" = 1500'



INQUIRY #: 7617644.7
YEAR: 2008
SCALE: 1"=1500'



INQUIRY #: 7617644.7
YEAR: 2012
SCALE: 1"=1500'



INQUIRY #: 7617644.7
YEAR: 2016
SCALE: 1"=1500'



INQUIRY #: 7617644.7
YEAR: 2020
SCALE: 1"=1500'



Corridor Phase I

Corridor Phase I

Russellville, KY 42276

Inquiry Number: 7617644.2

April 09, 2024

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/09/24

Site Name:

Corridor Phase I
Corridor Phase I
Russellville, KY 42276
EDR Inquiry # 7617644.2

Client Name:

Linebach Funkhouser Inc.
114 Fairfax Ave
Louisville, KY 40207
Contact: Bjohnston@lfienv.com



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Certified Sanborn Results:

Certification # 8EFE-4BA1-92A8

PO # NA

Project NA

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 8EFE-4BA1-92A8

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- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Corridor Phase I

Corridor Phase I

Russellville, KY 42276

Inquiry Number: 7617644.9s

April 08, 2024

EDR Area / Corridor Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Mapped Sites Summary	2
Key Map	2
Map Findings Summary	3
Focus Maps	7
Map Findings	25
Orphan Summary	OR-1
Government Records Searched/Data Currency Tracking	GR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

SUBJECT PROPERTY INFORMATION

ADDRESS

CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

SPILLS: State spills

A review of the SPILLS list, as provided by EDR, and dated 10/17/2023 has revealed that there is 1 SPILLS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
Not reported Facility Status: Env. Closed Inc ID: 2384314		1 / 5	24

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

SHWS: State Leads List

A review of the SHWS list, as provided by EDR, and dated 11/27/2023 has revealed that there is 1 SHWS site within approximately 1 mile of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
TENNESSEE VALLEY AUT Facility Id: 52814 Facility Status: Closed	NONE	S 1/2 - 1 (0.788 mi.)	6 / 8	29

Lists of state and tribal registered storage tanks

UST: Underground Storage Tank Database

A review of the UST list, as provided by EDR, and dated 10/30/2023 has revealed that there is 1 UST site within approximately 0.25 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
STORMIES Tank Status: TRM Facility Id: 58882 Closed In Place Date: 03/18/2009	9082 US 431 S	NNW 0 - 1/8 (0.115 mi.)	A5 / 4	27

AST: Above Ground Storage Tanks

A review of the AST list, as provided by EDR, and dated 11/06/2023 has revealed that there are 2 AST sites within approximately 0.25 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
SCOTTIE'S	9082 US HIGHWAY 431	WSW 0 - 1/8 (0.112 mi.)	A2 / 4	24
MAX ARNOLD & SONS IN	9082 US HIGHWAY 431	WSW 0 - 1/8 (0.112 mi.)	A3 / 4	25

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

UST FINDER: UST Finder Database

A review of the UST FINDER list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER site within approximately 0.25 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
STORMIES	9082 US 431 S	NNW 0 - 1/8 (0.115 mi.)	A4 / 4	25

EXECUTIVE SUMMARY

UST FINDER RELEASE: UST Finder Releases Database

A review of the UST FINDER RELEASE list, as provided by EDR, and dated 06/08/2023 has revealed that there is 1 UST FINDER RELEASE site within approximately 0.5 miles of the requested target property.

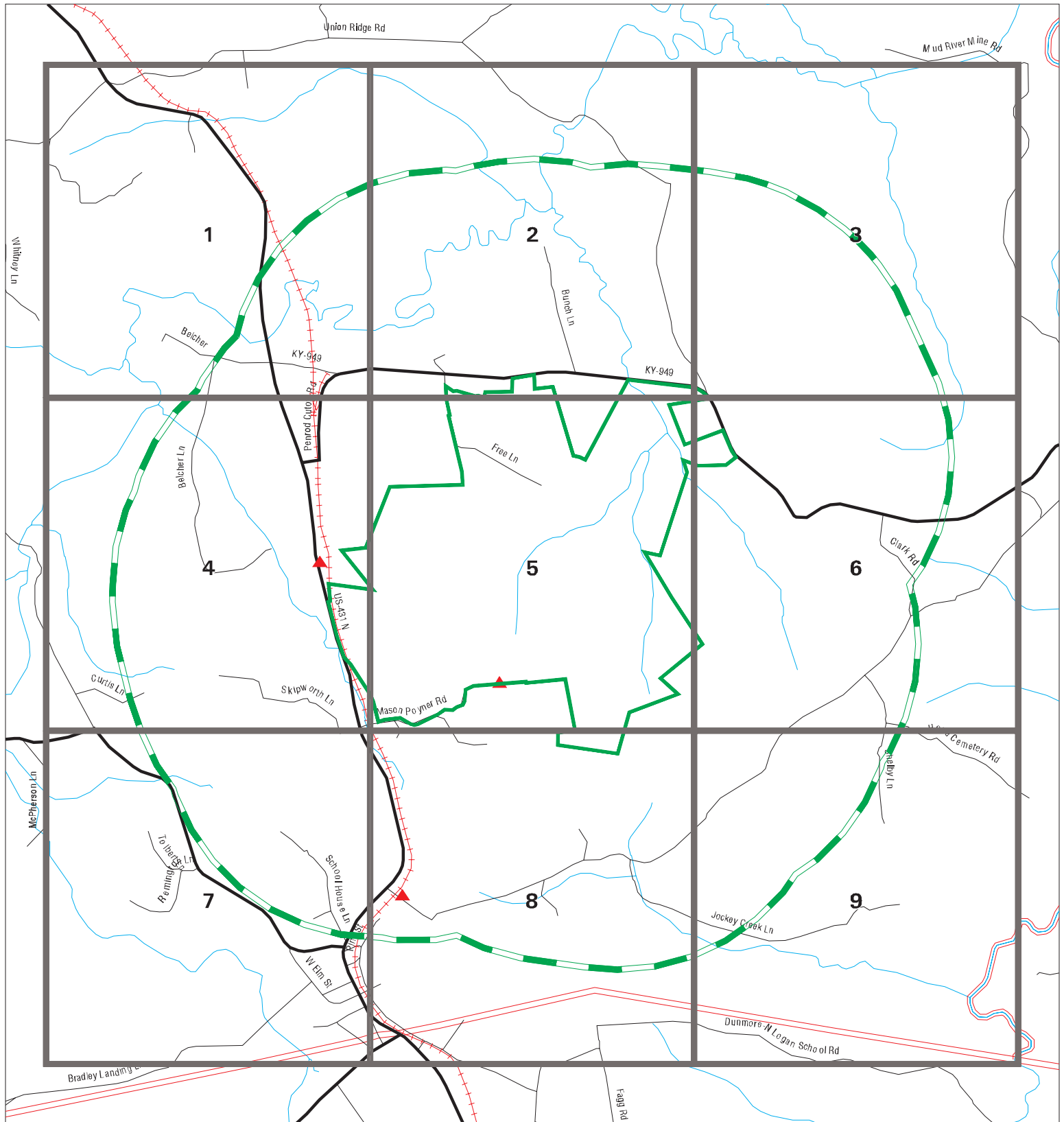
<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
STORMIES	9082 US 431 S	NNW 0 - 1/8 (0.115 mi.)	A4 / 4	25

MAPPED SITES SUMMARY

Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
1 / 5			SPILLS	TP
A2 / 4	SCOTTIE'S	9082 US HIGHWAY 431	AST	589 0.112 WSW
A3 / 4	MAX ARNOLD & SONS IN	9082 US HIGHWAY 431	AST	589 0.112 WSW
A4 / 4	STORMIES	9082 US 431 S	UST FINDER, UST FINDER RELEASE	609 0.115 NNW
A5 / 4	STORMIES	9082 US 431 S	UST	609 0.115 NNW
6 / 8	TENNESSEE VALLEY AUT	NONE	SHWS	4161 0.788 South

Key Map - 7617644.9s



- ▲ Sites
- Target Property
- Search Buffer
- Focus Map - No Sites
- Focus Map - Sites
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA

0 1/2 1 Miles

SITE NAME: Corridor Phase I
 ADDRESS: Corridor Phase I
 CITY/STATE: Russellville KY
 ZIP: 42276

CLIENT: Linebach Funkhouser Inc.
 CONTACT: Bjohnston@lfienv.com
 INQUIRY #: 7617644.9s
 DATE: 04/08/24 5:27 PM

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
SHWS	1.000		0	0	0	1	NR	1
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal leaking storage tanks</i>								
PSTEAF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
SB193	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		1	0	NR	NR	NR	1
AST	0.250		2	0	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
HIST LF	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP	1	NR	NR	NR	NR	NR	1
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	TP		NR	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AIRS	TP		NR	NR	NR	NR	NR	0
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UST FINDER	0.250		1	0	NR	NR	NR	1
UST FINDER RELEASE	0.500		1	0	0	NR	NR	1

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0

- Totals --		1	5	0	0	1	0	7
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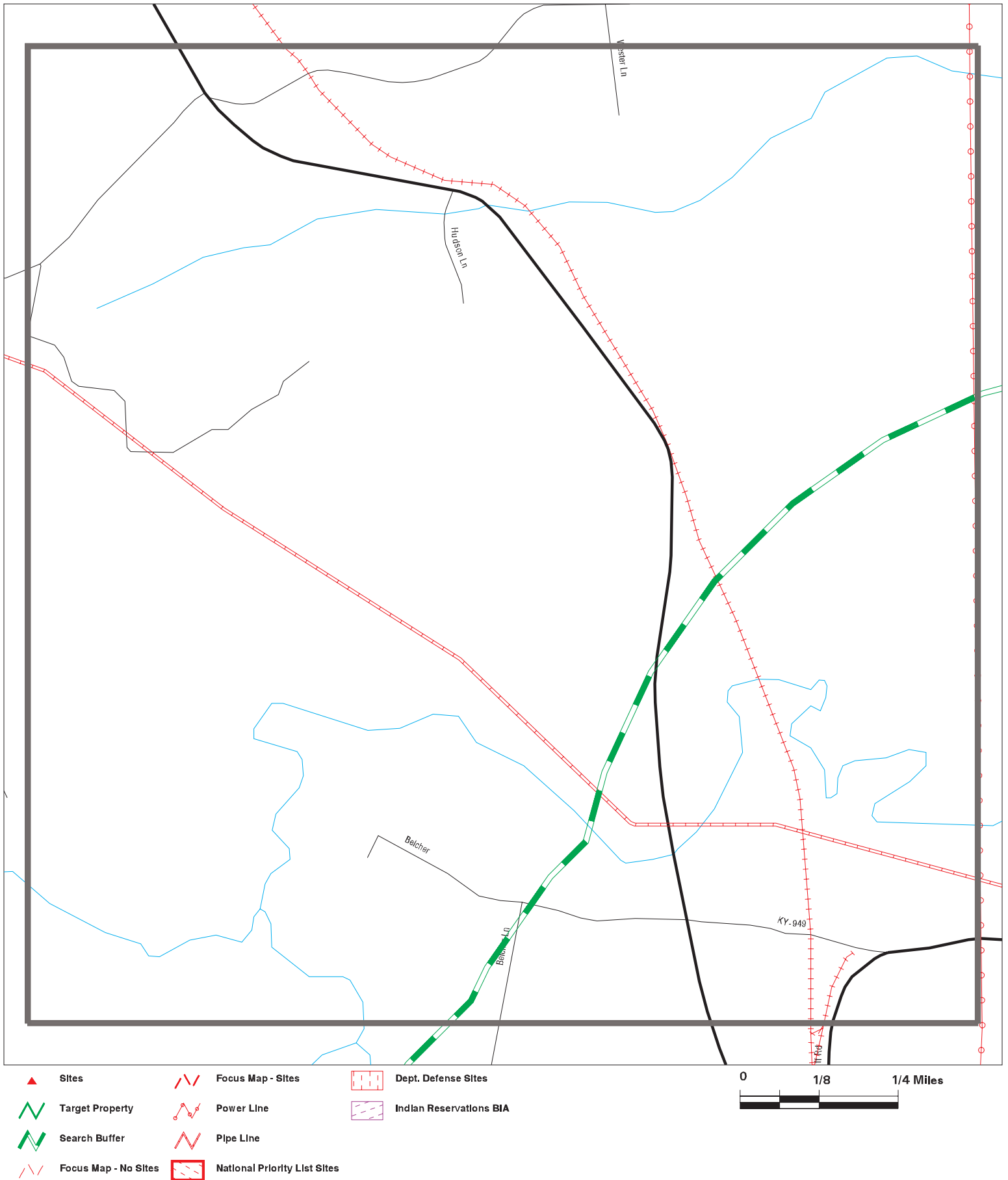
NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 7617644.9s



SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
CITY/STATE: Russellville KY
ZIP: 42276

CLIENT: Linebach Funkhouser Inc.
CONTACT: Bjohnston@lffienv.com
INQUIRY #: 7617644.9s
DATE: 04/08/24

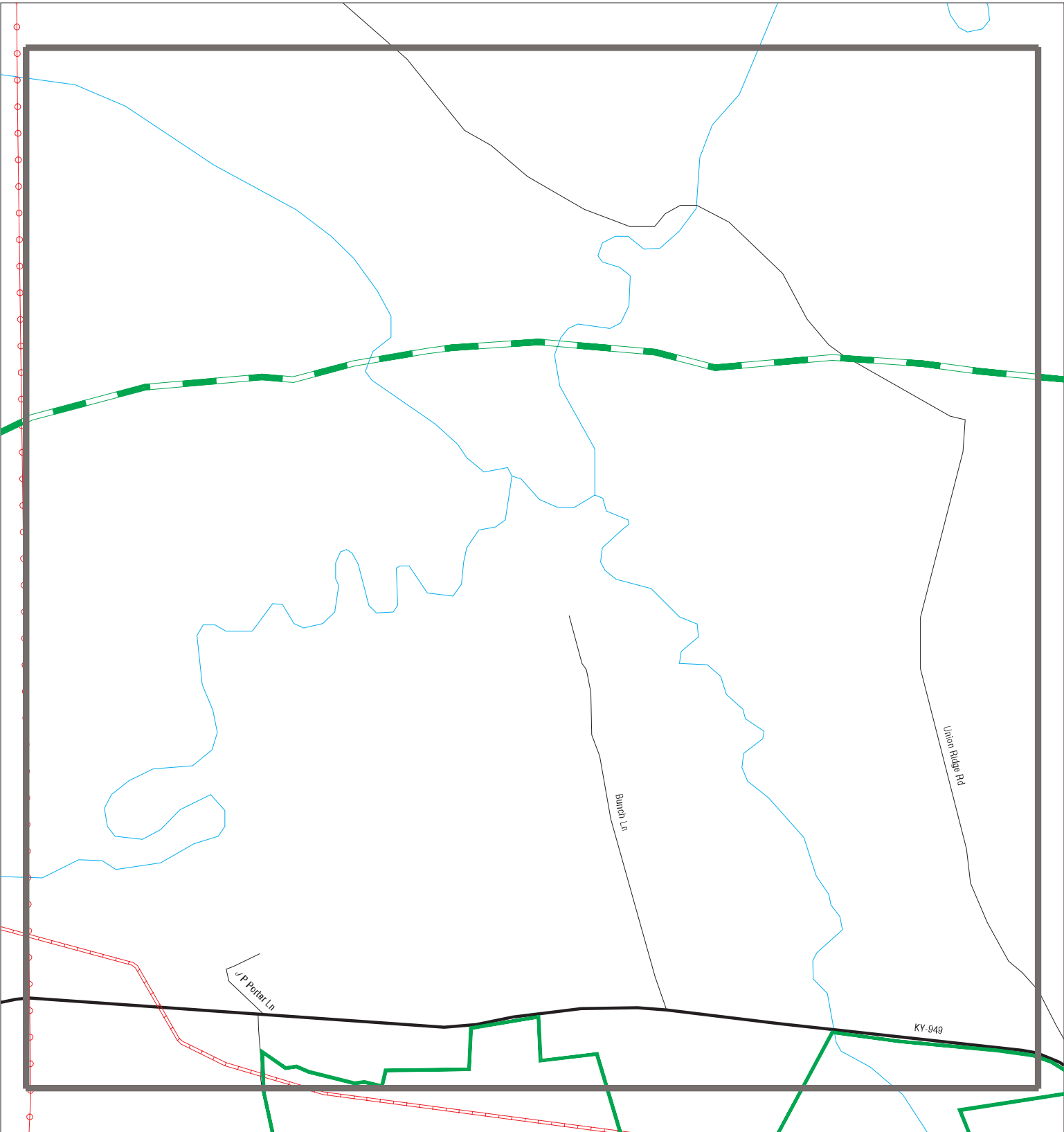
MAPPED SITES SUMMARY - FOCUS MAP 1












Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 2 - 7617644.9s



- | | | | | | |
|--|----------------------|---|-------------------|---|------------------------------|
|  | Sites |  | Focus Map - Sites |  | Dept. Defense Sites |
|  | Target Property |  | Power Line |  | Indian Reservations BIA |
|  | Search Buffer |  | Pipe Line |  | National Priority List Sites |
|  | Focus Map - No Sites |  | | | |

0 1/8 1/4 Miles

SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
CITY/STATE: Russellville KY
ZIP: 42276

CLIENT: Linebach Funkhouser Inc.
CONTACT: Bjohnston@lfienv.com
INQUIRY #: 7617644.9s
DATE: 04/08/24

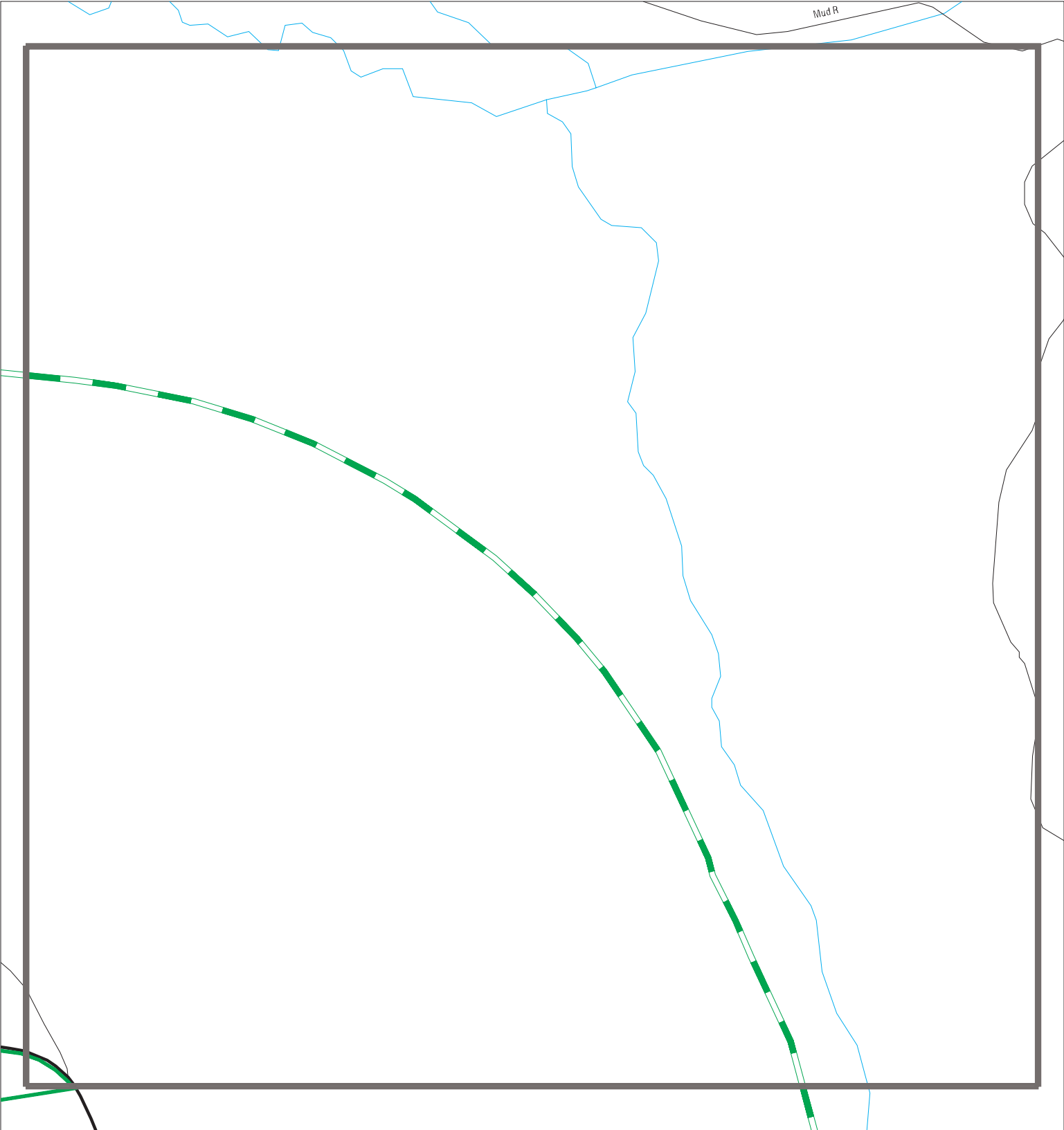
MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 3 - 7617644.9s



Sites

Target Property

Search Buffer

Focus Map - No Sites

Focus Map - Sites

Power Line

Pipe Line

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA



SITE NAME: Corridor Phase I	CLIENT: Linebach Funkhouser Inc.
ADDRESS: Corridor Phase I	CONTACT: Bjohnston@lfienv.com
CITY/STATE: Russellville KY	INQUIRY #: 7617644.9s
ZIP: 42276	DATE: 04/08/24

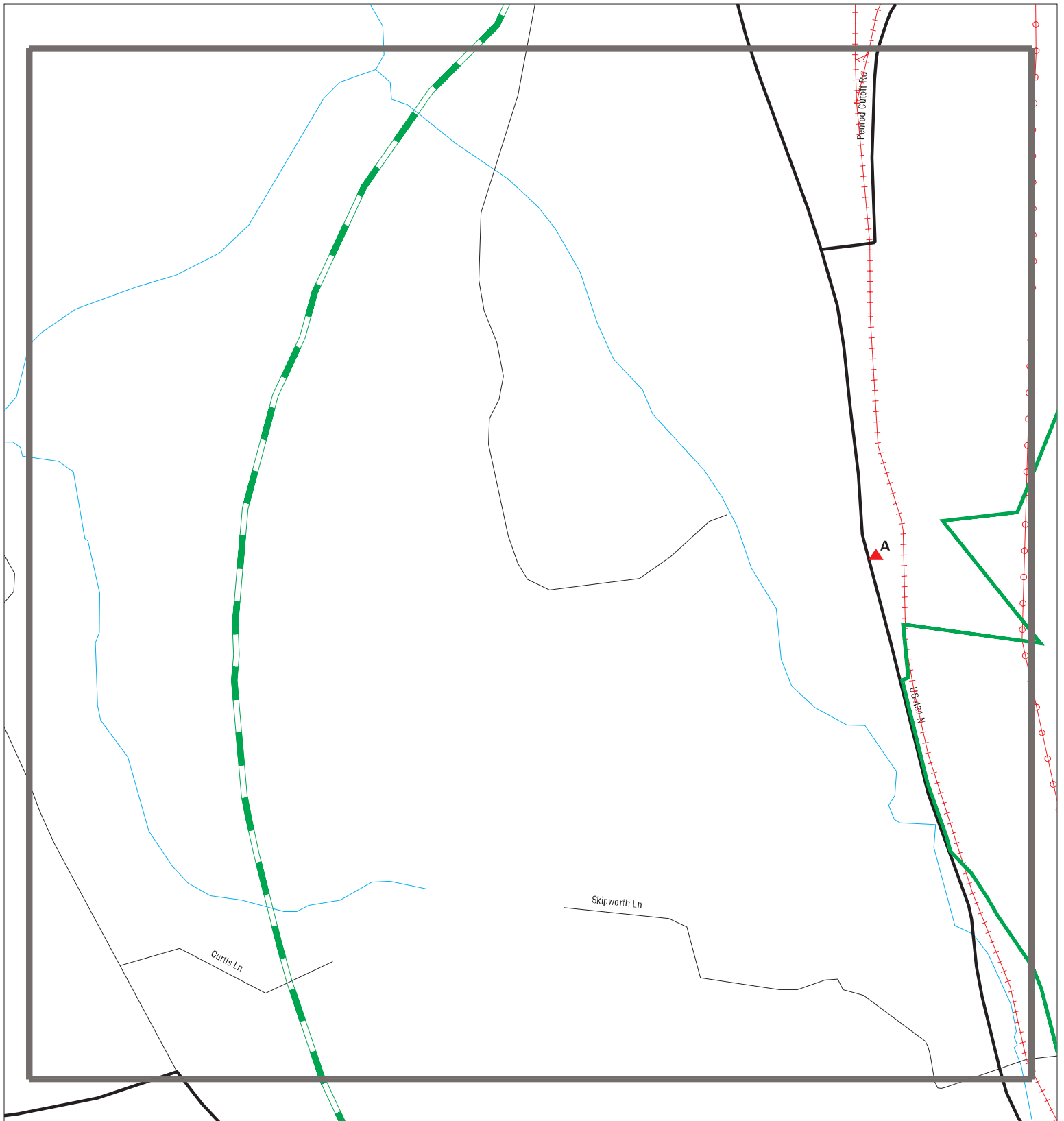
MAPPED SITES SUMMARY - FOCUS MAP 3











Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 4 - 7617644.9s



- | | | |
|--|--|---|
|  Sites |  Focus Map - Sites |  Dept. Defense Sites |
|  Target Property |  Power Line |  Indian Reservations BIA |
|  Search Buffer |  Pipe Line | |
|  Focus Map - No Sites |  National Priority List Sites | |

0 1/8 1/4 Miles

SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
CITY/STATE: Russellville KY
ZIP: 42276

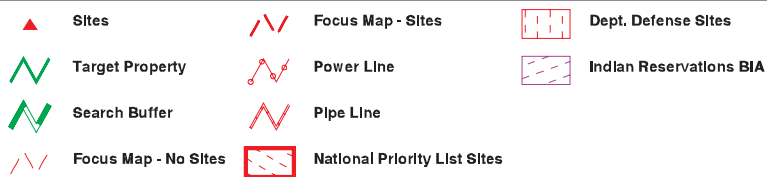
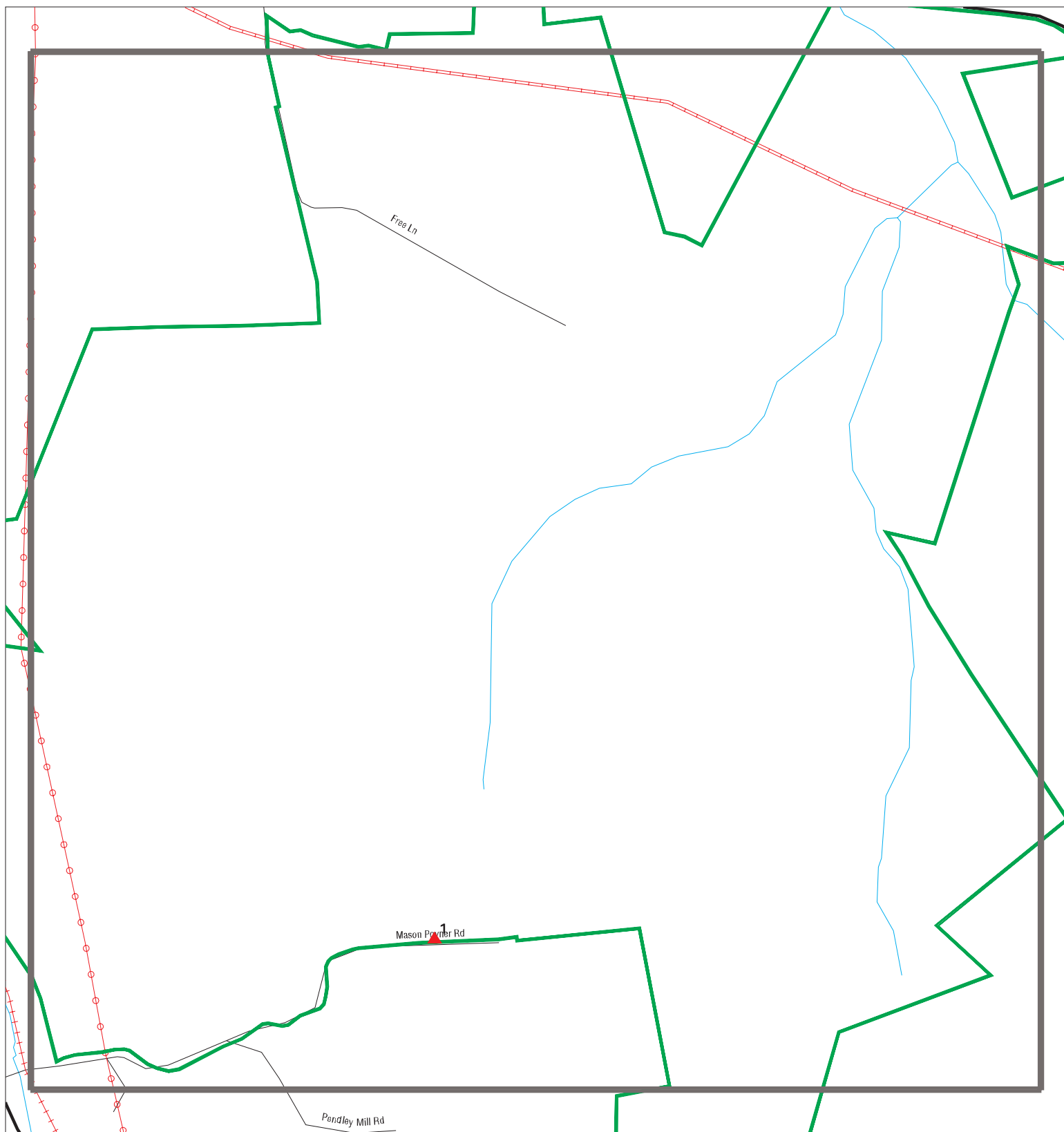
CLIENT: Linebach Funkhouser Inc.
CONTACT: Bjohnston@lfienv.com
INQUIRY #: 7617644.9s
DATE: 04/08/24

MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A2 / 4	SCOTTIE'S	9082 US HIGHWAY 431	AST	589 0.112 WSW
A3 / 4	MAX ARNOLD & SONS IN	9082 US HIGHWAY 431	AST	589 0.112 WSW
A4 / 4	STORMIES	9082 US 431 S	UST FINDER, UST FINDER RELEASE	609 0.115 NNW
A5 / 4	STORMIES	9082 US 431 S	UST	609 0.115 NNW

Focus Map - 5 - 7617644.9s



SITE NAME: Corridor Phase I
ADDRESS: Corridor Phase I
CITY/STATE: Russellville KY
ZIP: 42276

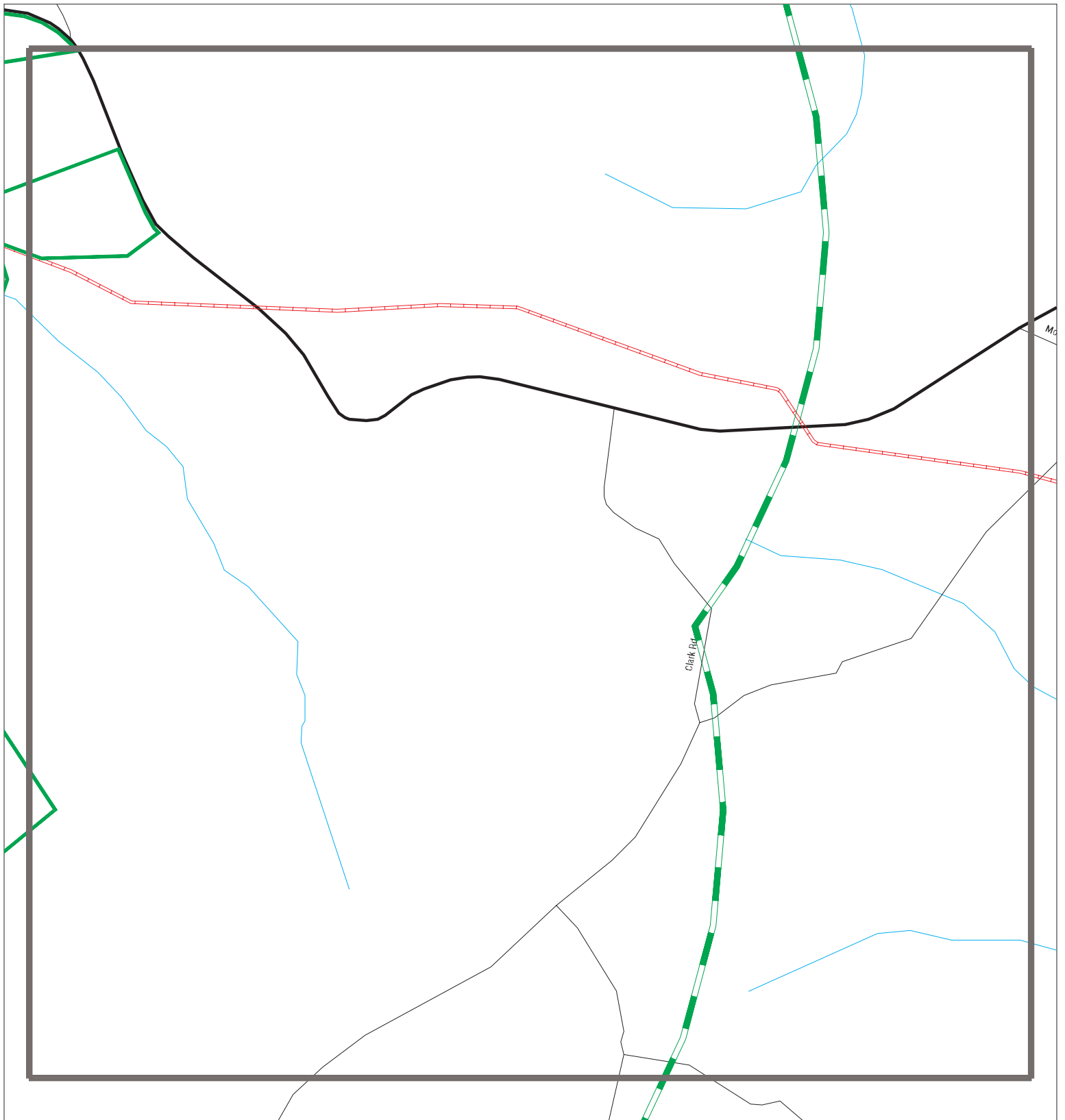
CLIENT: Linebach Funkhouser Inc.
CONTACT: Bjohnston@lfienv.com
INQUIRY #: 7617644.9s
DATE: 04/08/24











MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS SPILLS	DIST (ft. & mi.) DIRECTION TP
1 / 5				

Focus Map - 6 - 7617644.9s



- | | | |
|--|--|---|
|  Sites |  Focus Map - Sites |  Dept. Defense Sites |
|  Target Property |  Power Line |  Indian Reservations BIA |
|  Search Buffer |  Pipe Line | |
|  Focus Map - No Sites |  National Priority List Sites | |

0 1/8 1/4 Miles

SITE NAME: Corridor Phase I
 ADDRESS: Corridor Phase I
 CITY/STATE: Russellville KY
 ZIP: 42276

CLIENT: Linebach Funkhouser Inc.
 CONTACT: Bjohnston@lfienv.com
 INQUIRY #: 7617644.9s
 DATE: 04/08/24

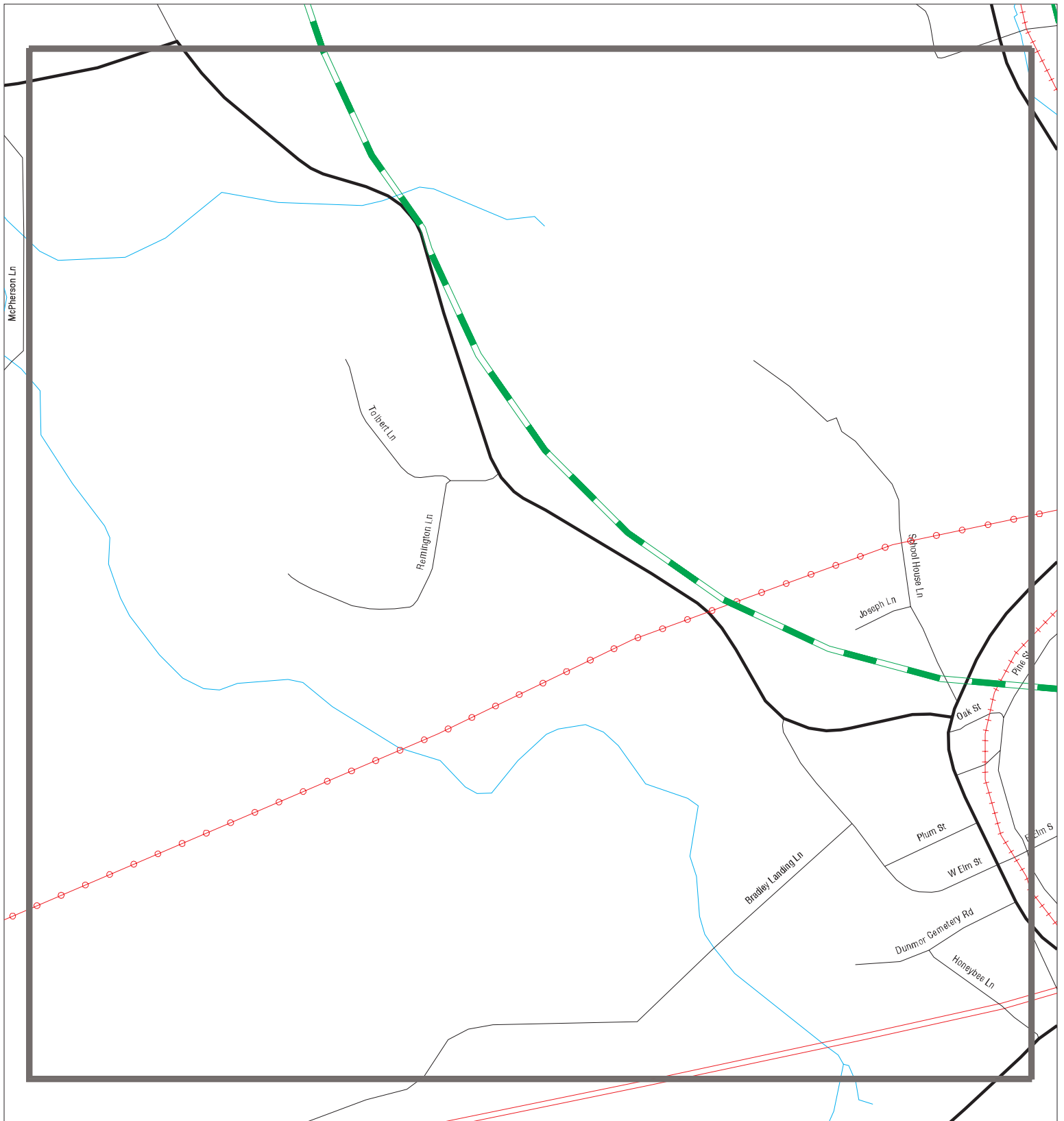
MAPPED SITES SUMMARY - FOCUS MAP 6











Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Focus Map - 7 - 7617644.9s



- | | | |
|--|--|---|
|  Sites |  Focus Map - Sites |  Dept. Defense Sites |
|  Target Property |  Power Line |  Indian Reservations BIA |
|  Search Buffer |  Pipe Line | |
|  Focus Map - No Sites |  National Priority List Sites | |

0 1/8 1/4 Miles

SITE NAME: Corridor Phase I
 ADDRESS: Corridor Phase I
 CITY/STATE: Russellville KY
 ZIP: 42276

CLIENT: Linebach Funkhouser Inc.
 CONTACT: Bjohnston@lfienv.com
 INQUIRY #: 7617644.9s
 DATE: 04/08/24

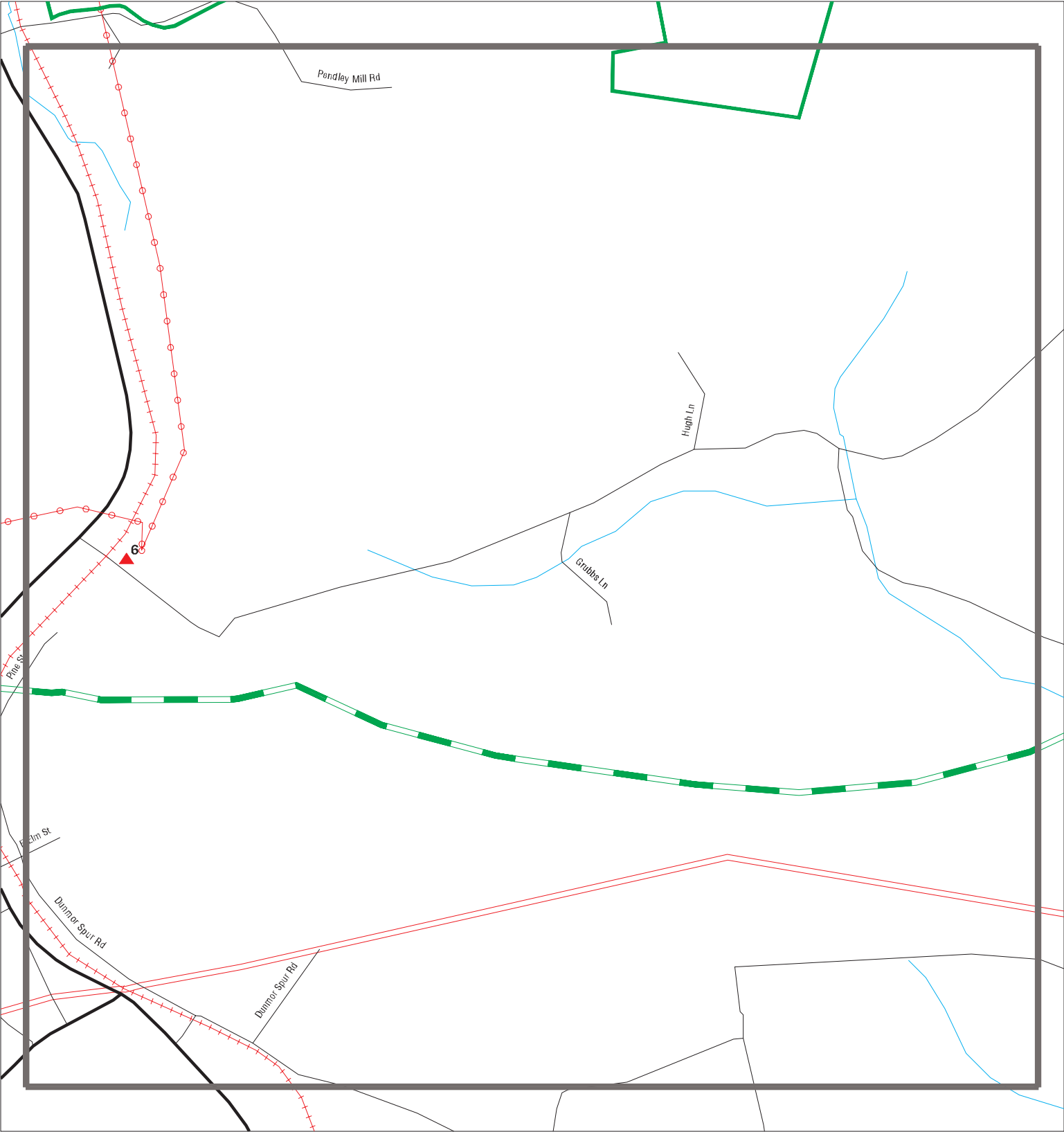
MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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NO MAPPED SITES FOUND

Focus Map - 8 - 7617644.9s



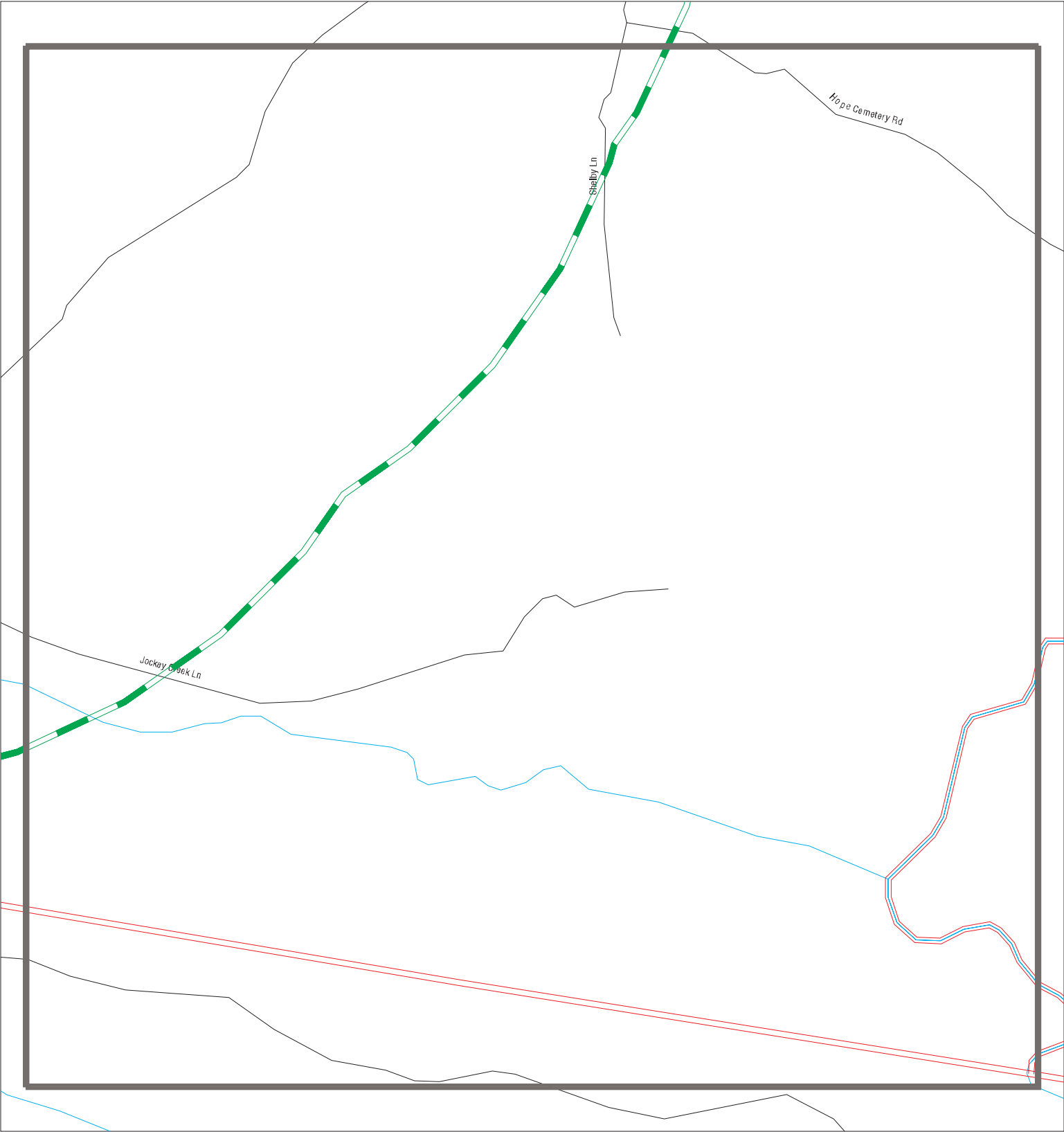
SITE NAME: Corridor Phase I	CLIENT: Linebach Funkhouser Inc.
ADDRESS: Corridor Phase I	CONTACT: Bjohnston@lfienv.com
CITY/STATE: Russellville KY	INQUIRY #: 7617644.9s
ZIP: 42276	DATE: 04/08/24

MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
6 / 8	TENNESSEE VALLEY AUT	NONE	SHWS	4161 0.788 South

Focus Map - 9 - 7617644.9s



SITE NAME: Corridor Phase I	CLIENT: Linebach Funkhouser Inc.
ADDRESS: Corridor Phase I	CONTACT: Bjohnston@lfienv.com
CITY/STATE: Russellville KY	INQUIRY #: 7617644.9s
ZIP: 42276	DATE: 04/08/24

MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:
CORRIDOR PHASE I
RUSSELLVILLE, KY 42276

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

NO MAPPED SITES FOUND

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

1

Target
Property

DUNMOR, KY

SPILLS S118102878
N/A

Actual:
642 ft.

Focus Map:
5

SPILLS:

Name: Not reported
Address: Not reported
City,State,Zip: DUNMOR, KY
Facility Status: Env. Closed
Incident Type: Suspected Release-UST
Program Code: 10
Received By Staff: Tichenor, Larry
Received Date: 09/17/2014
Report Date: 2014-09-17 12:01:00
Dispatch Description: Caller reported the technician opened up the pump dispensers to check the filters, there was a dripping leak. This issue is being corrected at this time.

Source Name: Waynes Place & Coops Diner (AI ID: 58891)
Source Address: 11061 US HAY 431 S
Substances: Not reported
Other Substances Desc: Not reported
Media Impacted: UST
Inc ID: 2384314
Lead Invest Person ID: 9467
Compliance: No
Notification: Yes
Priority: High
Incident End Date: Not reported
Follow Up Priority Desc: Not reported
Most Recent Comp Eval Activity: AI: 58891 CIN20140002
Most Recent ENF Activity: Not reported
Begin Emergency Date: Not reported
End Emergency Date: Not reported
MARS Function Code: Not reported
Locked: Yes
Closure Type Desc: Env. Closed-Restored
Waterbody: Not reported
Latitude: 37.0944
Longitude: -86.98439

A2

WSW

< 1/8

0.112 mi.

589 ft.

SCOTTIE'S

9082 US HIGHWAY 431 S
DUNMOR, KY 42339

Site 1 of 4 in cluster A

AST A100447318
N/A

Actual:
480 ft.

Focus Map:
4

AST:

Permit Number: PAG0000521
Name: SCOTTIE'S
Address: 9082 US HIGHWAY 431 S
Telephone: (502) 657-2631
City,State,Zip: DUNMOR, KY 42339-3756
Permit Type: Commercial
Category: Other
Permit Status: Cancelled
Issue Date: 10/08/1997
Last Inspection: Not reported
Installer: C E Durbin Maintenance
Submit Date: Not reported
Expiration Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SCOTTIE'S (Continued)

A100447318

Contact Name: Not reported
Contract Name: Not reported
Insp Area: Not reported

A3
WSW
< 1/8
0.112 mi.
589 ft.
MAX ARNOLD & SONS INC
9082 US HIGHWAY 431 S
DUNMOR, KY 42339
Site 2 of 4 in cluster A

AST **A100448285**
N/A

Actual: **AST:**
480 ft. Permit Number: PAG0001523
Focus Map: Name: MAX ARNOLD & SONS INC
4 Address: 9082 US HIGHWAY 431 S
Telephone: (270) 365-2294
City,State,Zip: DUNMOR, KY 42339-3756
Permit Type: Commercial
Category: Other
Permit Status: Completed
Issue Date: 05/03/2001
Last Inspection: Not reported
Installer: Max Arnold & Sons Inc
Submit Date: Not reported
Expiration Date: Not reported
Contact Name: Not reported
Contract Name: Not reported
Insp Area: Not reported

A4
NNW
< 1/8
0.115 mi.
609 ft.
STORMIES
9082 US 431 S
DUNMOR, KY 42339
Site 3 of 4 in cluster A

UST FINDER **1028359441**
UST FINDER RELEASE **N/A**

Actual: **UST FINDER:**
478 ft. Object ID: 175405
Focus Map: Facility ID: KY1006089
4 Name: STORMIES
Address: 9082 US 431 S
City,State,Zip: DUNMOR, KY 42339
Address Match Type: Not reported
Open USTs: 0
Closed USTs: 3
TOS USTs: 0
Population 1500ft: 7
Private Wells 1500ft: 1
Within 100yr Floodplain: No
Land Use: Non-Developed
Within SPA: No
SPA PWS Facility ID: Not reported
SPA Water Type: Not reported
SPA Facility Type: Not reported
SPA HUC12: Not reported
Within WHPA: No
WHPA PWS Facility ID: Not reported
WHPA Water Type: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STORMIES (Continued)

1028359441

WHPA Facility Type: Not reported
WHPA HUC12: Not reported
Facility Status: Closed UST(s)
Date of Last Inspection: Not reported
EPA Region: 4
Tribe: Not reported
Coordinate Source: State
X Coord: -86.98439999999999
Y Coord: 37.09440000000001
Latitude: 37.0944
Longitude: -86.9844

UST FINDER:

Object ID: 577220
Facility ID: KY1006089
Tank ID: KY1006089_1_1
Tank Status: Closed
Installation Date: 1997/10/30 15:59:59+00
Removal Date: 2009/04/27 15:59:59+00
Tank Capacity: 3000
Substances: Diesel
Tank Wall Type: Single

Object ID: 577221
Facility ID: KY1006089
Tank ID: KY1006089_2_1
Tank Status: Closed
Installation Date: 1993/02/10 15:59:59+00
Removal Date: 2009/04/27 15:59:59+00
Tank Capacity: 10000
Substances: Gasoline
Tank Wall Type: Single

Object ID: 577222
Facility ID: KY1006089
Tank ID: KY1006089_3_1
Tank Status: Closed
Installation Date: 1993/02/10 15:59:59+00
Removal Date: 2009/04/27 15:59:59+00
Tank Capacity: 8000
Substances: Gasoline
Tank Wall Type: Single

UST FINDER RELEASE:

Object ID: 171877
Facility ID: KY58882
Lust ID: KY9481
Name: STORMIES
Address: 9082 US 431 S
City,State,Zip: DUNMOR, KY 0
Address Match Type: Not reported
Reported Date: Not reported
Status: Unkown
Substance: Not reported
Population within 1500ft: 7
Domestic Wells within 1500ft: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STORMIES (Continued)

1028359441

Land Use:	Non-Developed
Within SPA:	No
SPA PWS Facility ID:	Not reported
SPA Water Type:	Not reported
SPA Facility Type:	Not reported
SPA HUC12:	Not reported
Within WHPA:	No
WHPA PWS Facility ID:	Not reported
WHPA Water Type:	Not reported
WHPA Facility Type:	Not reported
WHPA HUC12:	Not reported
Within 100yr Floodplain:	No
Tribe:	Not reported
EPA Region:	4
NFA Letter 1:	Not reported
NFA Letter 2:	Not reported
NFA Letter 3:	Not reported
NFA Letter 4:	Not reported
Closed With Residual Contaminate:	Not reported
Coordinate Source:	State
X Coord:	-86.9843999999999
Y Coord:	37.0944000000001
Latitude:	37.0944
Longitude:	-86.9843999999999

A5 **STORMIES**
NNW **9082 US 431 S**
< 1/8 **DUNMOR, KY 42339**
0.115 mi.
609 ft. **Site 4 of 4 in cluster A**

UST **U003991251**
N/A

Actual: **478 ft.**
Focus Map: **4**

UST:

Name:	STORMIES
Address:	9082 US 431 S
City,State,Zip:	DUNMOR, KY 42339
Sequence Id:	1006089
Facility ID:	58882
Owner Name:	William Bastin
Owner Address:	PO Box 122
Owner Address2:	Not reported
Owner Address3:	Not reported
Owner City,St,Zip:	Dunmor, KY 42339
Internal Document ID:	0
Latitude:	-86.9844
Longitude:	37.0944

Inert Material:	Not reported
Removed Date:	04/27/2009
Change in Service Date:	Not reported
Tank Pit Num:	Not reported
Tank Mfg:	Not reported
Tank EXT Corr Protect:	Coating & Cathodic Protection
Tank Overfill Protection:	Automatic Shutoff Device
Last Tank Test Date:	08/28/2003
Relined Date:	Not reported
Lining Insp Date:	Not reported
Pipe Release Detection:	Check Valve
Pipe Rel Detect Suc:	Check Valve

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STORMIES (Continued)

U003991251

Pipe Leak Detect: Not reported
Last Contained Date: 03/18/2009
Pipe Mfg: Not reported
Last Pipe Test Date: Not reported
Last CP Test Date: Not reported
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Tank Material: Single Wall Steel
Tank Release Detect: Daily Inventory Rec Tank Tightness
Tank Int Protect: Not Applicable
Pipe Material: Fiberglass Reinforced Plastic
Pipe Ext Corr Protect: Not Applicable
Pipe Type: Suction
Tank Substance: Diesel
Subject Item ID: 1
Tank Status: Removed Tank Verified
Installation Date: 10/30/1997
Closed In Place Date: 03/18/2009
Capacity in Gallons: 3000
Compartment Number: 1
Piping Installation Date: Not reported
Added To Tank Date: Not reported

Inert Material: Not reported
Removed Date: 04/27/2009
Change in Service Date: Not reported
Tank Pit Num: Not reported
Tank Mfg: Not reported
Tank EXT Corr Protect: Coating & Cathodic Protection
Tank Overfill Protection: Automatic Shutoff Device
Last Tank Test Date: Not reported
Relined Date: Not reported
Lining Insp Date: Not reported
Pipe Release Detection: Statistical Inventory Recon
Pipe Rel Detect Suc: Statistical Inventory Recon
Pipe Leak Detect: Not reported
Last Contained Date: 03/18/2009
Pipe Mfg: Not reported
Last Pipe Test Date: Not reported
Last CP Test Date: 08/28/2003
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Tank Material: Single Wall Steel
Tank Release Detect: Statistical Inventory Recon
Tank Int Protect: Not Applicable
Pipe Material: Fiberglass Reinforced Plastic
Pipe Ext Corr Protect: Not Applicable
Pipe Type: Pressurized
Tank Substance: Gasoline
Subject Item ID: 2
Tank Status: Removed Tank Verified
Installation Date: 02/10/1993
Closed In Place Date: 03/18/2009
Capacity in Gallons: 10000
Compartment Number: 1
Piping Installation Date: Not reported
Added To Tank Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STORMIES (Continued)

U003991251

Inert Material: Not reported
Removed Date: 04/27/2009
Change in Service Date: Not reported
Tank Pit Num: Not reported
Tank Mfg: Not reported
Tank EXT Corr Protect: Coating & Cathodic Protection
Tank Overfill Protection: Automatic Shutoff Device
Last Tank Test Date: Not reported
Relined Date: Not reported
Lining Insp Date: Not reported
Pipe Release Detection: Statistical Inventory Recon
Pipe Rel Detect Suc: Statistical Inventory Recon
Pipe Leak Detect: Not reported
Last Contained Date: 03/18/2009
Pipe Mfg: Not reported
Last Pipe Test Date: Not reported
Last CP Test Date: 08/28/2003
Added To Flex Date: Not reported
Added To Piping Date: Not reported
Tank Material: Single Wall Steel
Tank Release Detect: Statistical Inventory Recon
Tank Int Protect: Not Applicable
Pipe Material: Fiberglass Reinforced Plastic
Pipe Ext Corr Protect: Not Applicable
Pipe Type: Pressurized
Tank Substance: Gasoline
Subject Item ID: 3
Tank Status: Removed Tank Verified
Installation Date: 02/10/1993
Closed In Place Date: 03/18/2009
Capacity in Gallons: 8000
Compartment Number: 1
Piping Installation Date: Not reported
Added To Tank Date: Not reported

6
South
1/2-1
0.788 mi.
4161 ft.

TENNESSEE VALLEY AUTHORITY SUBSTATION - DUNMOR
NONE
, KY

SHWS S107467187
N/A

Actual:
563 ft.
Focus Map:
8

SHWS:
Name: TENNESSEE VALLEY AUTHORITY SUBSTATION - DUNMOR
Address: NONE
City,State,Zip: KY
Facility Id: 52814
Status: Closed
Description: TVA-DUNMOR (Closed: Restored)
Closure Date: 02/05/1996
Longitude: -86.992539
Latitude: 37.080139
Subject Item County: Muhlenberg
Sub Item Longitude: -86.992538
Sub Item Latitude: 37.080139
Subject Item Address: Forgy Mill Rd
Subject Item Address2: Not reported
Subject Item City,St,Zip: Dunmor, KY 42339
Regulatory Desc: Petroleum Cleanup

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TENNESSEE VALLEY AUTHORITY SUBSTATION - DUNMOR (Continued)

S107467187

Closure Option:	Option C Restored
Side SG:	37378
Acreage:	Not reported

Count: 1 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DUNMOR	S125982491	KY DEPT. OF TRANSPORTATION/BRAD HOUCK	BRIDGE ON UNION RIDGE RD. OVER ROCKY CREEK. MUHLENBERG COUNTY		ASBESTOS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 02/29/2024	Source: EPA
Date Data Arrived at EDR: 03/01/2024	Telephone: N/A
Date Made Active in Reports: 03/27/2024	Last EDR Contact: 04/02/2024
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/08/2024
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 02/29/2024	Source: EPA
Date Data Arrived at EDR: 03/01/2024	Telephone: N/A
Date Made Active in Reports: 03/27/2024	Last EDR Contact: 04/02/2024
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/08/2024
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/26/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/29/2024	Source: EPA
Date Data Arrived at EDR: 02/01/2024	Telephone: 800-424-9346
Date Made Active in Reports: 02/22/2024	Last EDR Contact: 04/02/2024
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/17/2024
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023	Source: EPA
Date Data Arrived at EDR: 12/06/2023	Telephone: 800-424-9346
Date Made Active in Reports: 12/12/2023	Last EDR Contact: 03/19/2024
Number of Days to Update: 6	Next Scheduled EDR Contact: 07/01/2024
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/04/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/06/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 12/12/2023	Last EDR Contact: 03/19/2024
Number of Days to Update: 6	Next Scheduled EDR Contact: 07/01/2024
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/06/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 12/12/2023	Last EDR Contact: 03/19/2024
Number of Days to Update: 6	Next Scheduled EDR Contact: 07/01/2024
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/14/2024
Date Data Arrived at EDR: 02/16/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2023

Date Data Arrived at EDR: 12/13/2023

Date Made Active in Reports: 02/28/2024

Number of Days to Update: 77

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/19/2024

Next Scheduled EDR Contact: 07/01/2024

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

SHWS: State Leads List

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/27/2023

Date Data Arrived at EDR: 11/29/2023

Date Made Active in Reports: 12/05/2023

Number of Days to Update: 6

Source: Department of Environmental Protection

Telephone: 502-564-6716

Last EDR Contact: 02/20/2024

Next Scheduled EDR Contact: 06/03/2024

Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facilities List

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/22/2023

Date Data Arrived at EDR: 08/24/2023

Date Made Active in Reports: 11/03/2023

Number of Days to Update: 71

Source: Department of Environmental Protection

Telephone: 502-564-6716

Last EDR Contact: 03/07/2024

Next Scheduled EDR Contact: 05/06/2024

Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

PSTEAF: Facility Ranking List

The Underground Storage Tank Branch (USTB) has ranked all PSTEAF reimbursable facilities requiring corrective action, in accordance with 401 KAR 42:290. Directive letters will be issued on the basis of facility ranking and available PSTEAF funding in sequential order as ranked. For example, Rank 2 facilities will be issued directives before Rank 3 facilities.

Date of Government Version: 12/01/2023

Date Data Arrived at EDR: 01/04/2024

Date Made Active in Reports: 03/25/2024

Number of Days to Update: 81

Source: Department of Environmental Protection

Telephone: 502-564-5981

Last EDR Contact: 04/04/2024

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/25/2023

Date Data Arrived at EDR: 01/17/2024

Date Made Active in Reports: 03/13/2024

Number of Days to Update: 56

Source: EPA Region 4

Telephone: 404-562-8677

Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/25/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/17/2024	Telephone: 415-972-3372
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/25/2023	Source: EPA Region 10
Date Data Arrived at EDR: 01/17/2024	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/25/2023	Source: EPA Region 1
Date Data Arrived at EDR: 01/17/2024	Telephone: 617-918-1313
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/04/2023	Source: EPA, Region 5
Date Data Arrived at EDR: 01/17/2024	Telephone: 312-886-7439
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/25/2023	Source: EPA Region 6
Date Data Arrived at EDR: 01/17/2024	Telephone: 214-665-6597
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 01/17/2024	Telephone: 913-551-7003
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/25/2023	Source: EPA Region 8
Date Data Arrived at EDR: 01/17/2024	Telephone: 303-312-6271
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SB193: SB193 Branch Site Inventory List

The inventory indicates facilities that have performed permanent closure activities at a regulated underground storage tank facility and have known soil and/or groundwater contamination.

Date of Government Version: 09/05/2006
Date Data Arrived at EDR: 09/13/2006
Date Made Active in Reports: 10/18/2006
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 502-564-5981
Last EDR Contact: 04/08/2016
Next Scheduled EDR Contact: 07/25/2016
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/05/2024
Number of Days to Update: 80

Source: Department of Environmental Protection
Telephone: 502-564-5981
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

A listing of aboveground storage tank site locations.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 11

Source: Office of State Fire Marshal
Telephone: 502-564-4010
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/24/2023	Source: EPA Region 7
Date Data Arrived at EDR: 01/17/2024	Telephone: 913-551-7003
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/24/2023	Source: EPA, Region 1
Date Data Arrived at EDR: 01/17/2024	Telephone: 617-918-1313
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/17/2023	Source: EPA Region 5
Date Data Arrived at EDR: 01/17/2024	Telephone: 312-886-6136
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/24/2023	Source: EPA Region 6
Date Data Arrived at EDR: 01/17/2024	Telephone: 214-665-7591
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2023	Source: EPA Region 10
Date Data Arrived at EDR: 01/17/2024	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/24/2023	Source: EPA Region 8
Date Data Arrived at EDR: 01/17/2024	Telephone: 303-312-6137
Date Made Active in Reports: 03/13/2024	Last EDR Contact: 01/17/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Site Listing

A listing of sites that use engineering controls.

Date of Government Version: 11/28/2023

Date Data Arrived at EDR: 11/29/2023

Date Made Active in Reports: 12/05/2023

Number of Days to Update: 6

Source: Department of Environmental Protection

Telephone: 502-564-6716

Last EDR Contact: 02/20/2024

Next Scheduled EDR Contact: 06/03/2024

Data Release Frequency: Varies

INST CONTROL: State Superfund Database

A list of closed sites in the State Superfund Database. Institutional controls would be in place at any site that uses Contained or Managed as a Closure Option.

Date of Government Version: 11/28/2023

Date Data Arrived at EDR: 11/29/2023

Date Made Active in Reports: 12/05/2023

Number of Days to Update: 6

Source: Department of Environmental Protection

Telephone: 502-564-6716

Last EDR Contact: 03/07/2024

Next Scheduled EDR Contact: 06/03/2024

Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015

Date Data Arrived at EDR: 09/29/2015

Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1

Telephone: 617-918-1102

Last EDR Contact: 03/18/2024

Next Scheduled EDR Contact: 07/01/2024

Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites

Sites that have been accepted into the Voluntary Cleanup Program or have submitted an application.

Date of Government Version: 01/09/2024

Date Data Arrived at EDR: 01/11/2024

Date Made Active in Reports: 01/12/2024

Number of Days to Update: 1

Source: Department of Environmental Protection

Telephone: 502-564-6716

Last EDR Contact: 03/25/2024

Next Scheduled EDR Contact: 07/08/2024

Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7

Telephone: 913-551-7365

Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Kentucky Brownfield Inventory

The Kentucky Brownfield Program has created an inventory of brownfield sites in order to market the properties to those interested in brownfield redevelopment. The Kentucky Brownfield Program is working to promote the redevelopment of these sites by helping to remove barriers that prevent reuse, providing useful information to communities, developers and the public and encouraging a climate that fosters redevelopment of contaminated sites.

Date of Government Version: 10/20/2023

Date Data Arrived at EDR: 10/25/2023

Date Made Active in Reports: 01/16/2024

Number of Days to Update: 83

Source: Division of Compliance Assistance

Telephone: 502-564-0323

Last EDR Contact: 01/09/2024

Next Scheduled EDR Contact: 04/22/2024

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 08/15/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/30/2023	Telephone: 202-566-2777
Date Made Active in Reports: 12/01/2023	Last EDR Contact: 03/12/2024
Number of Days to Update: 93	Next Scheduled EDR Contact: 06/24/2024
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling facilities located in the state of Kentucky.

Date of Government Version: 09/11/2023	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/10/2023	Telephone: 502-564-6716
Date Made Active in Reports: 01/03/2024	Last EDR Contact: 01/11/2024
Number of Days to Update: 85	Next Scheduled EDR Contact: 04/22/2024
	Data Release Frequency: Varies

HIST LF: Historical Landfills

This solid waste facility listing contains detail information that is not included in the landfill listing. A listing with detail information is no longer available by the Department of Environmental Protection.

Date of Government Version: 05/01/2003	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/30/2006	Telephone: 502-564-6716
Date Made Active in Reports: 05/01/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/26/2024
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/06/2024
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/11/2024
Number of Days to Update: 137	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Location Listing

Clandestine drug lab site locations.

Date of Government Version: 11/21/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/05/2023
Number of Days to Update: 6

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/20/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

SPILLS: State spills

A listing of spill and/or release related incidents.

Date of Government Version: 10/17/2023
Date Data Arrived at EDR: 10/18/2023
Date Made Active in Reports: 01/12/2024
Number of Days to Update: 86

Source: DEP, Emergency Response
Telephone: 502-564-2380
Last EDR Contact: 01/09/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/30/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 04/04/2024
Number of Days to Update: 574	Next Scheduled EDR Contact: 07/15/2024
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2023	Telephone: 615-532-8599
Date Made Active in Reports: 02/10/2023	Last EDR Contact: 02/06/2024
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/20/2024
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/11/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/13/2023	Telephone: 202-566-1917
Date Made Active in Reports: 02/28/2024	Last EDR Contact: 03/13/2024
Number of Days to Update: 77	Next Scheduled EDR Contact: 07/01/2024
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 01/29/2024
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/13/2024
	Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 02/02/2024
Number of Days to Update: 73	Next Scheduled EDR Contact: 05/13/2024
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020

Date Data Arrived at EDR: 06/14/2022

Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521

Last EDR Contact: 03/14/2024

Next Scheduled EDR Contact: 06/24/2024

Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2022

Date Data Arrived at EDR: 11/13/2023

Date Made Active in Reports: 02/07/2024

Number of Days to Update: 86

Source: EPA

Telephone: 202-566-0250

Last EDR Contact: 02/15/2024

Next Scheduled EDR Contact: 05/27/2024

Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/16/2024

Date Data Arrived at EDR: 01/17/2024

Date Made Active in Reports: 03/27/2024

Number of Days to Update: 70

Source: EPA

Telephone: 202-564-4203

Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024

Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/29/2024

Date Data Arrived at EDR: 03/01/2024

Date Made Active in Reports: 03/27/2024

Number of Days to Update: 26

Source: EPA

Telephone: 703-416-0223

Last EDR Contact: 04/02/2024

Next Scheduled EDR Contact: 06/10/2024

Data Release Frequency: Annually

RMP: Risk Management Plans

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/08/2024	Telephone: 202-564-8600
Date Made Active in Reports: 04/04/2024	Last EDR Contact: 01/12/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 04/29/2024
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023	Source: EPA
Date Data Arrived at EDR: 10/03/2023	Telephone: 202-564-6023
Date Made Active in Reports: 10/19/2023	Last EDR Contact: 04/02/2024
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/13/2024
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2023	Source: EPA
Date Data Arrived at EDR: 04/04/2023	Telephone: 202-566-0500
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 04/04/2024
Number of Days to Update: 66	Next Scheduled EDR Contact: 07/15/2024
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/28/2024
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/15/2024
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/25/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/28/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/19/2024
Next Scheduled EDR Contact: 07/01/2024
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 02/29/2024
Date Data Arrived at EDR: 03/01/2024
Date Made Active in Reports: 03/27/2024
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/02/2024
Next Scheduled EDR Contact: 07/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admini
Telephone: 202-693-9424
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/05/2024
Date Data Arrived at EDR: 02/21/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 43

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/15/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/04/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2024
Date Data Arrived at EDR: 02/13/2024
Date Made Active in Reports: 04/04/2024
Number of Days to Update: 51

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 04/05/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/29/2024
Next Scheduled EDR Contact: 07/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS: PFAS Detections Site Listing

The presence of PFAS contamination at locations, including water treatment plants.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/26/2023
Number of Days to Update: 78

Source: Department of Environmental Protection
Telephone: 502-564-3410
Last EDR Contact: 03/04/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

AIRS: Permitted Airs Facility Listing

A listing of permitted Airs facilities.

Date of Government Version: 11/07/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 02/05/2024
Number of Days to Update: 89

Source: Department of Environmental Protection
Telephone: 502-573-3382
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Semi-Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 09/21/2023
Date Data Arrived at EDR: 09/22/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: 502-782-6780
Last EDR Contact: 02/26/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of coal ash pond site locations.

Date of Government Version: 08/22/2023
Date Data Arrived at EDR: 10/27/2023
Date Made Active in Reports: 01/17/2024
Number of Days to Update: 82

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 01/23/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaner Listing

A listing of drycleaner facility locations.

Date of Government Version: 11/07/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 02/05/2024
Number of Days to Update: 89

Source: Department of Environmental Protection
Telephone: 502-573-3382
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 02/02/2024
Number of Days to Update: 85

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Financial Assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/14/2014
Date Data Arrived at EDR: 06/06/2014
Date Made Active in Reports: 06/24/2014
Number of Days to Update: 18

Source: Department of Environmental Protection
Telephone: 502-564-5981
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 3: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/09/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 4

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

LEAD: Environmental Lead Program Report Tracking Database

Lead Report Tracking Database

Date of Government Version: 01/27/2017
Date Data Arrived at EDR: 02/02/2017
Date Made Active in Reports: 08/21/2017
Number of Days to Update: 200

Source: Department of Public Health
Telephone: 502-564-4537
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 02/05/2024
Number of Days to Update: 88

Source: Department of Environmental Protection
Telephone: 502-564-3410
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Semi-Annually

UIC: UIC Information

A listing of wells identified as underground injection wells, in the Kentucky Oil & Gas Wells data base.

Date of Government Version: 09/28/2023
Date Data Arrived at EDR: 10/10/2023
Date Made Active in Reports: 01/02/2024
Number of Days to Update: 84

Source: Kentucky Geological Survey
Telephone: 859-323-0544
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Quarterly

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/03/2014
Number of Days to Update: 186

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RGALF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists.

Date of Government Version: N/A

Date Data Arrived at EDR: 07/01/2013

Date Made Active in Reports: 01/15/2014

Number of Days to Update: 198

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 06/01/2012

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/06/2023

Date Data Arrived at EDR: 11/07/2023

Date Made Active in Reports: 01/31/2024

Number of Days to Update: 85

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 02/06/2024

Next Scheduled EDR Contact: 05/20/2024

Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018

Date Data Arrived at EDR: 04/10/2019

Date Made Active in Reports: 05/16/2019

Number of Days to Update: 36

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 03/29/2024

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019

Date Data Arrived at EDR: 11/30/2023

Date Made Active in Reports: 12/01/2023

Number of Days to Update: 1

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 01/26/2024

Next Scheduled EDR Contact: 05/06/2024

Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018

Date Data Arrived at EDR: 07/19/2019

Date Made Active in Reports: 09/10/2019

Number of Days to Update: 53

Source: Department of Environmental Protection

Telephone: 717-783-8990

Last EDR Contact: 01/05/2024

Next Scheduled EDR Contact: 04/22/2024

Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Certified Child Care Homes

Source: Cabinet for Families & Children
Telephone: 502-564-7130

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Environmental & Public Protection Cabinet

Telephone: 502-564-6736

STREET AND ADDRESS INFORMATION

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APPENDIX C:

IPaC Official Species List - Project Code: 2024-0069739



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Kentucky Ecological Services Field Office
J C Watts Federal Building, Room 265
330 West Broadway
Frankfort, KY 40601-8670
Phone: (502) 695-0467 Fax: (502) 695-1024
Email Address: kentuckyes@fws.gov

In Reply Refer To:

01/09/2025 14:58:23 UTC

Project Code: 2024-0039738

Project Name: Lost City

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

To Whom It May Concern:

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

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

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

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the

human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

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

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

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do..>

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of

this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Kentucky Ecological Services Field Office

J C Watts Federal Building, Room 265

330 West Broadway

Frankfort, KY 40601-8670

(502) 695-0467

PROJECT SUMMARY

Project Code: 2024-0039738
Project Name: Lost City
Project Type: Power Gen - Solar
Project Description: Lost City Solar
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@37.0986805,-86.9838072,197569,14z>



Counties: Muhlenberg County, Kentucky

ENDANGERED SPECIES ACT SPECIES

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 2 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
<p>Gray Bat <i>Myotis grisescens</i></p> <p>No critical habitat has been designated for this species. This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> The project area includes potential gray bat habitat. <p>Species profile: https://ecos.fws.gov/ecp/species/6329 General project design guidelines: https://ipac.ecosphere.fws.gov/project/BUTCYYRFNVETDMLFMNZERXONB4/documents/generated/6422.pdf</p>	Endangered
<p>Indiana Bat <i>Myotis sodalis</i></p> <p>There is final critical habitat for this species. Your location does not overlap the critical habitat. This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> The project area includes 'potential' habitat. All activities in this location should consider possible effects to this species. <p>Species profile: https://ecos.fws.gov/ecp/species/5949 General project design guidelines: https://ipac.ecosphere.fws.gov/project/BUTCYYRFNVETDMLFMNZERXONB4/documents/generated/6422.pdf</p>	Endangered
<p>Northern Long-eared Bat <i>Myotis septentrionalis</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045 General project design guidelines: https://ipac.ecosphere.fws.gov/project/BUTCYYRFNVETDMLFMNZERXONB4/documents/generated/6422.pdf</p>	Endangered
<p>Tricolored Bat <i>Perimyotis subflavus</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515</p>	Proposed Endangered

BIRDS

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

CLAMS

NAME	STATUS
<p>Pink Mucket (pearlymussel) <i>Lampsilis abrupta</i></p> <p>No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/7829 General project design guidelines:</p>	Endangered

NAME	STATUS
https://ipac.ecosphere.fws.gov/project/BUTCYYRFNVETDMLFMNZERXONB4/documents/generated/5639.pdf	

INSECTS

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

CRITICAL HABITATS

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

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

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