



BACON | FARMER | WORKMAN

ENGINEERING & TESTING, INC.

**Multiple Properties
STMO, LLC and BrightNight
Breathitt, Knott, and Perry Counties, KY**

Phase I Environmental Site Assessment

Submitted to:

Ms. Lindsey Hesch

STMO, LLC

13123 E Emerald Coast Parkway, Ste B#158

Inlet Beach, FL 32461

Submittal Date:

November 21, 2023



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Ms. Lindsey Hesch
STMO, LLC and Bright Night
13123 E Emerald Coast Parkway, Ste B#158
Inlet Beach, FL 32461

Re: **Phase I Environmental Site Assessment – Multiple Properties
Breathitt, Knott, and Perry Counties, KY**

Ms. Hesch:

Bacon Farmer Workman Engineering & Testing, Inc. (BFW) is pleased to submit our report describing the findings of the Phase I Environmental Site Assessment of multiple properties located in Breathitt, Knott, and Perry Counties, KY.

This assessment was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments: Phase I ESA Process (ASTM Designation: E 1527-21).

The purpose of the Phase I ESA was to gather sufficient information to render an independent professional opinion about the environmental condition of the subject properties. The assessment included a site reconnaissance, as well as research and interviews with representatives of the public, property ownership, and regulatory agencies.

We appreciate the opportunity to serve you and look forward to future association with you on this and other projects. If you have questions concerning this report or require further clarification of the report findings, please call our office at (270) 443-1995.

Sincerely,

BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.

A handwritten signature in black ink that reads "Susannah Campbell". The signature is written in a cursive, flowing style.

Susannah Campbell
Environmental Manager

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LIST OF ACRONYMS AND ABBREVIATIONS

ACM	Asbestos Containing Material
AST	Aboveground Storage Tank
ASTM	American Society of Testing and Materials
BFW	Bacon Farmer Workman Engineering & Testing, Inc.
BOL	Bureau of Land Inventory Database
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS	Corrective Action Report
ECHO	Enforcement & Compliance History Information
EDR	Environmental Data Resources
ERRS	Emergency and Rapid Response Services
ESA	Environmental Site Assessment
FINDS	Facility Index System/Facility Registry System
HWS	Hazardous Waste Site
IMPDMENT	Surface Impoundment Inventory
LBP	Lead-Based Paint
NPL	National Priority List
NRCS	National Resource Conservation Service
pCi/L	picoCuries per liter
PRP	Potentially Responsible Party
PVA	Property Valuation Administrator
REC	Recognized Environmental Conditions
RCRA	Resource Conservation & Recovery Act
ROD	Record of Decision
SARA	Superfund Amendments and Reauthorization Act
SEMS	Superfund Enterprise Management System
SHWS	State Hazardous Waste Site
TSDf	Treatment Storage Disposal Facility
USGS	United States Geological Survey
UST	Underground Storage Tank

1. EXECUTIVE SUMMARY

Bacon Farmer Workman Engineering & Testing, Inc. (BFW), was retained by STMO, LLC and BrightNight, LLC (BN) to conduct a Phase I Environmental Site Assessment (ESA) of approximately six (6) properties located in Breathitt, Knott, and Perry counties, KY (hereinafter referred to as the subject properties / subject sites). These properties are part of a current mining site that is referred to as the Starfire site and include properties owned by Liberty Land, LLC.

The ESA was prepared in general accordance with the American Society of Testing and Materials (ASTM) Standard Practices for Environmental Site Assessments: Phase I ESA Process (ASTM Designation: E 1527-21). The purpose of the Phase I ESA was to identify any potential sources of environmental risk or liability regarding recognized environmental conditions (RECs) associated with the subject property. This assessment included a limited site reconnaissance, as well as research and interviews with representatives of the public and regulatory agencies.

Notable findings include the following:

- The subject property encompasses approximately 1,800 acres. This area is currently under varying stages of mining and reclamation. The subject property was listed on multiple databases related to normal operations for mining including US Mines, Abandoned Mines, FINDS, ECHO, AIRS, and NPDES.
- Two (2) of the properties were listed on historic record searches for releases. These included Star Fire Mining Prep Plant in 2006 where Aboveground Storage Tanks (ASTs) were leaking. This was remediated and closed on 5-11-2006. The other release occurred from Fraser Creek Mining where dust particulate was traced onto an adjacent highway. This spill was remediated on 1-2-2010. No new violations were noted in the EDR report and no environmental issues with the sites were noted.
- Two (2) Solid Waste Facilities (SWF) were noted in the environmental database reviews. These included the Kentucky Mountain Power LLC which was a special waste permit for coal ash disposal. This permit was terminated. The other SWL is the Trus Joist Macmillan which appears to still have an active permit for a beneficial reuse permit for solid waste activity. None of these sites are suspected to pose an environmental concern for the subject properties based on their current status or locations to the site.
- Numerous locations were noted during the site visit which indicated the presence of petroleum spills throughout different areas of the site. There were also noted areas where Ammonium Nitrate/Fuel Oil (ANFO) and emulsion for mining operations had been spilled on the ground under an existing hopper. Oil wells were also identified in

some areas where notable oil has spilled onto the ground around the well infrastructure.

- A review of inspection reports for the current mine permits indicated that several violations have occurred where substandard water has left the site and leached onto other property. This water had high levels of iron and manganese and low pH. In addition, a request for a removal from active long term treatment inventory for one of Liberty Management's facilities (BB-4) was denied since water from the seep was bypassing sediment controls.

OPINION:

It is the professional opinion of BFW, Inc., that **some recognized environmental conditions (RECs)** have been identified in the project area as defined by ASTM.

Current RECS

- Current petroleum releases throughout the site. These appear to be in active mining areas.

Historic RECS

- Past violation history for leaching substandard water with contaminants onto neighboring properties.
- Past spills from previous mining operations as noted by a few instances in the EDR report (Star Fire Mining and Fraser Creek Mining).
- Interviews indicated that USTs were previously encountered more than 20 years ago during mining operations. There is no documentation which indicates whether these tanks were properly removed.

Business Risk

- Shop locations were noted to have some old floor tiles that were in disrepair. These could contain asbestos based on the age of the structures.
- If past violations indicate that water with low pH and high levels of Iron and Manganese have left the site, there is a potential for contamination to neighboring properties.

2. INTRODUCTION

This report presents the results of a Phase I Environmental Site Assessment (ESA) conducted by Bacon Farmer Workman Engineering & Testing, Inc. (BFW) of six (6) properties located in Breathitt, Knott, and Perry counties, KY which had field inspections performed (See Maps in Appendix A). The deed book/page numbers for the parcels associated with this project are included in the table below.

Table 2-1 – List of Properties and Parcel IDs

Property Address	Parcel ID	Deed Book / Page Number	County
Long Fork of Little Buckhorn	227-00-00-001.00	262/793	Breathitt
Quicksand Buckhorn	004-00 00 001.00	294/138	Knott
Quicksand Buckhorn	004-00 00 002.00	294/138	Knott
Ball Lower	005-00 00 010.00	294/138	Knott
Lick Br-Ary	131-00 00 001.01	413/648	Perry
Lick Br-Ary	131-00 00 001.00	413/648	Perry

2.1 PURPOSE

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the processes prescribed herein, recognized environmental conditions in connection with the properties in an effort to qualify for the “bona fide prospective purchaser” limitation on liability under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) as amended by the Superfund Amendment and Reauthorization Act of 1986 (SARA).

Recognized Environmental Conditions (RECs) are broken into three (3) different subsets: current, historic, and controlled. A fourth condition (termed de minimis condition) is a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. De minimis conditions are not RECs.

- **Current Recognized Environmental Conditions** means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.
- **Historical Recognized Environmental Conditions** refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria

established by a regulatory authority, without subjecting the property to any required controls.

- **Controlled Recognized Environmental Condition** refers to a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

2.2 DETAILED SCOPE OF SERVICES

BFW (ASTM defined - “environmental professional”) was retained by BN (ASTM defined - “user”) to conduct this Phase I ESA for the subject sites as described in Section 3.0 of this report.

The scope of work for the assessment was conducted in accordance with the ASTM publication titled “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM E 1527-21).

A Phase I ESA contains four (4) components, as described as follows:

- **Records Review** – The purpose of the records review is to obtain and review records that will help identify recognized environmental conditions in connection with the properties. Records include (but are not limited to) Federal, State, Local, and Tribal environmental databases, physical setting sources, and historical sources.
- **Site Reconnaissance** – The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the property. The site reconnaissance includes (but is not limited to) a visual inspection of the site and structures thereon to identify indications of historical, existing, and potential contaminant sources such as aboveground and underground storage tanks, stained areas, distressed vegetation, filled areas, indiscriminate dumping and surficial soil characteristics.
- **Interviews** – The objective of interviews is to obtain information indicating RECs in connection with the property. Interviews can be conducted with past and present owners, operators, current or previous occupants of the property, and state or local government officials.
- **Evaluation/Report** – A report documenting the findings, opinions, and conclusions of the Phase I ESA. The report contents will include (but not be limited to): scope of services, documentation of the investigation (including the previous components mentioned), an opinion section, any identified data gaps, and a findings/conclusion section which identifies known or suspect RECs, controlled RECs, historical RECs, and de minimis conditions.

2.3 SIGNIFICANT ASSUMPTIONS

While this report provides an overview of potential environmental concerns, both past and present, the environmental assessment is limited by the availability of information at the time of the assessment. In addition, portions of the database research were conducted by third party sources (EDR Radius Map) and are assumed complete and accurate. It is possible that unreported disposal of waste or illegal activities impairing the environmental status of the property may have occurred which could not be identified.

2.4 LIMITATIONS AND EXCEPTIONS

The site assessment has been conducted according to generally accepted practices and procedures to comply with the "Appropriate Inquiry" section of CERCLA. Current practice does not require an exhaustive search for existing or potential sources of contamination; rather, the ASTM standard requires a search of readily accessible information within a reasonable time at a reasonable cost. No environmental site assessment can completely eliminate uncertainty regarding the potential for contamination of a property. Performance of this assessment is intended to reduce, but not eliminate the uncertainty regarding the potential or continuation of a property. There is a point at which the cost of information obtained, and the time required to gather it outweighs the usefulness of the information and may be detrimental to the orderly completion of real estate transactions. An environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to and up to one year after the date of acquisition of the property or the date of the intended transaction is presumed to be valid.

2.5 SPECIAL TERMS AND CONDITIONS

This Phase I ESA was conducted in accordance with ASTM E 1527-21. No special terms or conditions were used for the generation of this report.

2.6 USER RELIANCE

This assessment was performed at the request of the user utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. The independent conclusions represent the best professional judgment of the Environmental Professional based on the conditions that existed and the information and data available to BFW during this assignment. Factual information regarding operations, conditions, and test data provided by the user, owner, or their representatives have been assumed to be correct and complete.

BFW acknowledges that the client ("User"), its lenders, and attorneys may rely upon the information, findings, opinions, and conclusions set forth in this report, subject to the conditions and limitations contained in this report. The report provides information on the property only as specified in the scope of work and is based on subject property conditions at the time of the study. Any reliance on this report by any other party shall

be at such party's sole risk unless that party has written authorization from BFW and the original User.

3. SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The properties that were assessed in the field are located in Breathitt, Knott, and Perry counties in Kentucky. A property / lot reference photograph is provided below (general location coordinates 37.0311671°N / -88.9001524°W).



3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The subject properties were comprised of approximately 1,800 acres of land. The project is located in an area that has been previously mined. According to the FEMA online database, the site lies outside of the 100-year floodplain. This information will be more detailed in a separate Wetland and Stream Delineation Report. Photographs of the site are located in Appendix B.

3.3 CURRENT USE OF THE PROPERTY

The site is currently owned by mining entities. The site currently has varying phases of mining including active mining, phase I, phase II, and phase III status. A map of these locations is included in Appendix A along with an external memorandum from Respec (Appendix I) which outlines the details of these mining phases.

3.4 CURRENT USES OF THE ADJOINING PROPERTIES

As stated previously, the project site is a mining site. The surrounding areas are rural in nature and are wooded. Much of the topography in this area is hilly and is undeveloped.

4. USER-PROVIDED INFORMATION

4.1 TITLE RECORDS

Chain-of-Title documents were researched by BFW as part of the environmental assessment. The properties were identified within the project area. These properties are further assessed in Section 5.3.1.8 which details the findings of the title search.

4.2 ENVIRONMENTAL LIENS AND ACTIVITY AND USE LIMITATIONS

An environmental lien is a charge, security, or encumbrance upon title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon a property.

An activity or use limitation is a legal or physical restriction or limitation on the use of, or access to, a site or facility: (1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property, or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls, are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil, soil vapor, groundwater, and/or surface water on the property. Neither the user nor BFW identified any environmental liens when performing the research on the subject properties.

4.3 SPECIALIZED KNOWLEDGE

A review of online data from the Surface Mining Information System provided current and historical information regarding the status of pending and issued permit applications, general background information on permitted coal mining operations, inspection background and frequency, status of mining activities, past or pending violations, and performance bond information. A brief overview of this site indicated there were some previous violations related to substandard water leaving/crossing the mined areas specifically related to Manganese, Iron, and pH. One of the mine's requests for the removal of one of an active long term treatment inventory was denied due to substandard water. Specific details regarding the environmental condition of the sites as well as property owners' interviews are provided in Sections 6.0 and 8.0.

4.4 COMMONLY KNOWN OR REASONABLE ASCERTAINABLE INFORMATION

A memorandum from Respec provided an overview of current mining conditions. This is included in Appendix I.

4.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

In a transaction involving the purchase of a parcel of commercial real estate, the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. The user should try to identify an explanation for a lower price which does not reasonably reflect fair market value if the property were not contaminated.

Neither the current property owner representative, nor the report user indicated that the purchase price of the property(s) is less than the purchase price of comparable properties.

4.6 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

Based on the current deeds and a review of Google Earth, the subject property includes approximately 1,800 acres. All of the land appears to be owned by Liberty Management, LLC.

4.7 REASON FOR PERFORMING PHASE I ENVIRONMENTAL SITE ASSESSMENT

The reasons for the Phase I ESA include the following:

- The need to understand potential environmental conditions that could materially impact the commercial property.
- To satisfy the requirements of the Landowner Liability Protections including the “all appropriate inquiry” of the “innocent landowner defense” to the CERCLA liability. To determine environmental liabilities that may devalue the property or preclude or restrict the intended use.

5. RECORDS REVIEW

This section includes Federal, State, and local environmental / regulatory agency inquiries, database and records research, and reviews. The purpose of the records review is to obtain and review records that will help identify RECs relating to the subject site. The complete review can be found in the Environmental Data Resources Report (EDR) located in Appendix C.

5.1 STANDARD ENVIRONMENTAL RECORDS

5.1.1 Target Property

The target property is listed on several databases including US Mines, Abandoned Mines, FINDS, AIRS, and NPDES. These are discussed further in Table 5.1

5.1.2 Additional Properties

Most of the properties identified in the EDR searches relate to the current mining company or past mining companies that controlled the site prior to the current mining company (Liberty Management, LLC). These include Kentucky Mountain Power, LLC and Trus Joist Macmillan. These are further described below.

Table 5.1 EDR Report Data – Notable Database Search Results

Database Name	Facilities	Search Radii (miles)	Status
KY SPILLS	Star Fire Mining Prep Plant	Target Property	Leaking ASTs 2006 - Closed - 5-11-2006
	Fraser Creek Mining, LLC	Target Property	Tracked Coal Dust onto Highway - Closed - 1-2-2010
US MINES	Star Fire Mining Company	Target Property	Closed
	Star Fire Mining Company	Target Property	Closed
	Star Fire Mining Company	Target Property	Closed
	Star Fire Mining Company	Target Property	Closed
	Star Fire Mining Company	Target Property	Closed
ABANDONED MINES	A & G Coal Corporation	Target Property	Closed
	Cyprus Amax Minerals Company	Target Property	Closed

Database Name	Facilities	Search Radii (miles)	Status
	Cyprus Amax Minerals Company	Target Property	Closed
	Cyprus Amax Minerals Company	Target Property	Closed
	Cyprus Amax Minerals Company	Target Property	Closed
FINDS	ICG Hazard LLC	Target Property	Permit - Terminated - Closed
	Liberty Land Management	Target Property	Permit - Terminated - Closed
	Little Elk Mining Company, LLC	Target Property	Permit - Terminated - Closed
	Southern Appalachian	Target Property	Permit - Terminated - Closed
	Cyprus Mountain Coals Corporation	Target Property	Permit - Terminated - Closed
ECHO	ICG Hazard LLC	Target Property	Permit - Terminated - Closed
	Liberty Land Management	Target Property	Active
	ICG Hazard LLC	Target Property	Permit - Terminated - Closed
	Cyprus Mountain Coals Corporation	Target Property	Permit - Terminated - Closed
AIRS	Vinland Energy, LLC	Target Property	Permit - Terminated - Closed
	Core Appalachia Operating, LLC	Target Property	Permit - Terminated - Closed
	Liberty Land Management	Target Property	Permit - Terminated - Closed
NPDES	Frasure Creek Mining	Target Property	Active
	Liberty Land Management	Target Property	Effective
	Frasure Creek Mining	Target Property	Active
	ICG Hazard LLC	Target Property	Terminated
SWF/LF	KY Mountain Power, LLC	0.035 miles	Terminated
	Trus Joist Macmillan	0.046 miles	Operating

Database Name	Facilities	Search Radii (miles)	Status
COAL ASH	KY Mountain Power, LLC	Target Property	Terminated

5.1.3 Mandatory Standard Physical Setting Source

United States Geologic Survey (USGS) 7.5-Minute Topographic Maps of Noble (2019, 2016, 2013, 1976, 1954), Vest (2019, 2016, 2013, 1992, 1987, 1976, 1954), and 15-Minute Topographic Maps of Troublesome (1914) and Hazard (1891) were reviewed as the ASTM required standard physical setting source. The topo maps indicate that there is approximately 400-500 feet of elevation change for the project site. The topo maps also indicate the presence of several stream channels. The hilly topography shown in the older topographic maps has been replaced with new contours that consist largely of several areas of graded flat ground that lie at different elevations. Generally, the site in the northwest has a higher elevation and the southwest has a lower elevation. The eastern portion of the site has tall piles.

5.1.4 Discretionary and Non-Standard Physical Setting Sources

According to the available subsurface geologic mapping from the Kentucky Geological Survey, the site is underlain by the Four Corners and Hayden formations. The primary lithology includes sandstone, siltstone, shale, limestone, coal, and underclay.

The Natural Resource Conservation Service's (NRCS) online web soil database was reviewed to determine the type of soils which were found within the area. According to the database, the major soil types included the Fairpoint and Bethesda soils and the Fiveblock and Kaymine soils. These soil conditions are discussed in more detail in a separate wetland and stream delineation report.

No significant environmental liabilities or RECs were noted as a result of the review of the Discretionary and Non-Standard Physical Setting sources.

5.2 HISTORICAL USE INFORMATION ON THE SUBJECT AND ADJACENT PROPERTIES

The objective of consulting historical sources is to develop a history of the previous uses of the property and surrounding area, in order to help identify the likelihood of past uses having led to any RECs in connection with the property.

5.2.1 Standard Historical Sources

5.2.1.1 Aerial Photographs

Aerial photographs for various years from 1952 through 2020 were reviewed to identify any previous development at the site and surrounding properties. It appears that mining development began in

the 1970s. Prior to that the land looked to be undeveloped wooded areas. These can be found in Appendix A.

5.2.1.2 Fire Insurance Maps

Sanborn Fire Insurance Maps were not available for the target property.

5.2.1.3 Property Tax Files / Maps

Property tax files were reviewed from Breathitt, Knott, and Perry counties PVA offices. The list of current deed descriptions for these property(s) are included in Appendix E.

5.2.1.4 USGS Topographic Maps

United States Geologic Survey (USGS) 7.5-Minute Topographic Maps of Noble (2019, 2016, 2013, 1976, 1954), Vest (2019, 2016, 2013, 1992, 1987, 1976, 1954), and 15-Minute Topographic Maps of Troublesome (1914) and Hazard (1891) were reviewed as the ASTM required standard physical setting source. The topo maps indicate that there is approximately 400-500 feet of elevation change for the project site. The topo maps also indicate the presence of several stream channels. Generally, the site in the northwest has a higher elevation and the southwest has a lower elevation. The eastern portion of the site has tall piles. No significant findings were observed based on the USGS Topographic review. The topographic maps are in Appendix F.

5.2.1.5 Local Street Directories

City Directory coverage was reviewed for the years 2010 and 2014. Only Frasure Creek Mining, LLC was previously listed. These listings can be found in Appendix G.

5.2.1.6 Building Department Records

Not applicable.

5.2.1.7 Zoning / Land Use Records

Zoning/land use records did not provide any additional information regarding potential environmental hazards for the subject property.

5.2.1.8 Chain-Of-Title Records

BFW conducted a cursory review of title records as part of this assessment. The review of previous ownership records was conducted to determine if any of the previous property owners might be suspected of conducting environmentally adverse activities. The chain of ownership indicated the ownership of multiple mining entities. The deeds and / or chain of ownership can be found in Appendix E.

6. SITE RECONNAISSANCE

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying RECs in connection with the subject property.

6.1 METHODOLOGY AND LIMITING CONDITIONS

The methodology used in the site reconnaissance included a limited physical site visit and “walk-over”. Mrs. Laura Darnell of BFW performed the site inspection. Per the governing ASTM standard, a physical site review must be completed to fulfill the intent of the standard. Photographic documentation of the project area is available in Appendix B.

6.2 GENERAL SITE SETTING

The subject property includes approximately 1,800 acres. Much of the surrounding property is wooded and undeveloped.

6.3 OBSERVATIONS

The site has been extensively altered by coal mining activities which have occurred across different areas of the site for several decades. The original contours of the site which consisted of ridges and stream valleys have been largely replaced with large flat areas created through strip mining activities including hollow fills. Multiple records of mine portals are located within the site boundaries but based on site observations and conversations with site personnel, all of these portals were closed and their locations were graded to new contours.

Currently, the eastern portion of the site (approximately 700 acres) consists mainly of actively mined land. The western portion of the site consists mainly of land that has recently been stabilized and revegetated. Some areas in the south-central portion of the site have been undisturbed for over 20 years and include some research plots that were planted with trees as part of a study on soil compaction run by University of Kentucky researchers. A few structures associated with the tree plantings are located around the plots including a weather station, trailhead, benches, and a wooden bridge.

At the time of the field visit, structures and equipment associated with active mining activities were mainly located in a main storage yard and parking lot in the east-central portion of the site, along with a supplemental storage yard and parking area in the north-central portion of the site. These yards contained many industrial items including working and non-working vehicles, ASTs, chemical storage, and transformers. Some fuel and oil spillage were observed in the main storage yard. Additional mining equipment includes a chemical storage tank in the northeastern portion of the site and a set of inactive storage tanks for explosive agents in the northwestern part of the site. A set of two inactive ASTs was noted in the north-central part of the site.

An additional equipment and vehicle storage area was formerly located in the

northwest portion of the site, and a group of fuel tanks was formerly located in the southeast portion of the site. However, all materials in these locations have been removed. Minimal trash or debris was observed on site during the field visit.

Several gas pipelines are located under the site. Aboveground infrastructure associated with these pipelines is located at several areas within the site and includes gas wells, tanks, meters, a compressor station, chemical storage, and other associated equipment. Several pieces of the aboveground gas infrastructure have been deactivated or removed. Oil extraction infrastructure including pumps and tanks has been installed in a few locations within and in the vicinity of the site, although some of these have been removed.

Interviews with site environmental managers confirmed the presence of several items such as chemical tanks and transformers that were observed during the site visit. The managers indicated that no USTs, wells, septic systems, or utility hookups other than electricity and gas pipelines were present on the site. The stormwater system on the site is limited to diversion ditches. A KD PES permit covers the entire site and has many outfalls but none of the outfalls are located within the site boundary. Some monitoring wells are located off the site.

Very few streams or ponds were observed on the site. Several isolated wetlands are present that do not have a defined outlet where they could drain to offsite waters. Vegetation growth on the site was generally young and appeared to consist of several species planted for soil stabilization such as Chinese lespedeza, little bluestem, fescue, and sycamore trees, along with some early-successional volunteer species such as Canada goldenrod, Chinese silvergrass, and autumn olive. Trees were largely limited to the planted tree plots.

At the time of the site inspection, there were noted spills in the areas of active mining around the shop and storage areas. Aboveground storage tanks (ASTs) were noted to have spills around the fueling pad, many of these tanks were not in containment, and the ground around the tanks was stained where fuel had been released. Some of the oil wells were also noted to have oil spillage around the wells themselves. Another noted spill location was around the hoppers that were located onsite where it appeared that coal dust was prevalent. These spill areas are noted in Appendix B photos.

7. SUBSURFACE VAPOR MIGRATION

Hazardous gases (vapor) from subsurface sources, such as contaminated soil or groundwater can migrate into residential, commercial, and industrial buildings with any foundation type, including basements, crawlspaces, or slabs. According to EPA guidance, three (3) conditions must exist for hazardous vapors to reach the interior of buildings from the subsurface environment underneath or near a building:

- a source of hazardous vapors must be present in the soil or in groundwater underneath or near a building
- vapors must form and have a pathway along which to migrate toward the building
- entry routes must exist for the vapors to enter the building and driving forces must exist to draw the vapors into the building

BFW considered the nature and extent of on-site and nearby sources of potential subsurface vapor migration by evaluating the current and historical usage of the property, the construction type and history, the physical setting, and the potential sources of subsurface vapor migration through the review of regulatory agency database information that was summarized in Section 5.0. Based on the evaluation of the known or suspected releases of hazardous substances or petroleum products, distance from the property, potential pathways, and soil type, there could be a possible risk.

8. INTERVIEWS

8.1 INTERVIEW WITH OWNER

No owners were interviewed.

8.2 INTERVIEW WITH SITE MANAGERS OR PERSONS KNOWLEDGEABLE OF THE SITE

Mr. Don Gibson with Blackhawk Mining, LLC was interviewed about the project site. He indicated that prior to mining, the site was undeveloped forest. He said that the site currently has mining permits associated with KPDES permits. There are currently no USTs on the site but there are ASTs, batteries, oil filters, and scrap metal which is disposed of by a third party. He stated that the site currently has sodium permanganate and sodium hydroxide stored onsite. There are no onsite monitoring wells but there were some offsite. There are multiple sediment ponds around the site. He was unaware of any spills or environmental concerns related to the property.

Mr. Brian Patton with Starfire Mining was also provided with a copy of the interview questionnaire. He indicated the property had been used for surface mining and that there was ash disposal, wood waste, and NPDES permits related to site operations. He indicated the presence of lubrication oil storage but that he was unaware of any spills or hazardous materials onsite. He indicated that almost 20 years ago, there were USTs that had been mined through and removed.

Mr. Joseph Albrect, a representative of STMO, LLC, was interviewed about the project site. He indicated the property has been used for mountain top coal mining, aggregate removal, oil and gas extraction, cattle grazing, and UK Tree growth studies. He was aware of existing NPDES permits with Kentucky Division of Mining. He had also observed the presence of oil and gas use as well as fuel tanks. He was unaware of any spills or hazardous materials onsite.

All of the interview questionnaires can be found in Appendix H.

8.3 INTERVIEWS WITH OCCUPANTS

No other occupants were interviewed.

8.4 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

No additional officials were interviewed.

9. FINDINGS & OPINIONS

Notable findings include the following:

- The subject property encompasses approximately 1,800 acres. This area is under varying stages of mining and reclamation. The subject property was listed on multiple databases related to normal operations for mining including US Mines, Abandoned Mines, FINDS, ECHO, AIRS, and NPDES.
- Two (2) of the properties were listed on historic record searches for Spills. These included Star Fire Mining Prep Plant in 2006 where Aboveground Storage Tanks (ASTs) were leaking. This was remediated and closed on 5-11-2006. The other spill occurred from Fraser Creek Mining where dust particulate was traced onto an adjacent highway. This spill was remediated on 1-2-2010. No new violations were noted in the EDR report and no environmental issues with the sites were noted.
- Two (2) Solid Waste Facilities (SWF) were noted in the environmental database reviews. These included the Kentucky Mountain Power LLC which was a special waste permit for coal ash disposal. This permit was terminated. The other SWL is the Trus Joist Macmillan which appears to still have an active permit for a beneficial reuse permit for solid waste activity. None of these sites are suspected to pose an environmental concern for the subject properties based on their current status or locations to the site.
- Numerous locations were noted during the site visit which indicated the presence of petroleum spills throughout different areas of the site. There were also noted areas where Ammonium Nitrate/Fuel Oil (ANFO) and emulsion for mining operations had been spilled on the ground under an existing hopper. Oil wells were also identified in some areas where notable oil has spilled onto the ground around the well infrastructure.
- A review of inspection reports for the current mine permits indicated that several violations have occurred where substandard water has left the site and leached onto other property. This water had high levels of iron and manganese and low pH. In addition, a request for a removal from active long term treatment inventory for one of Liberty Management's facilities (BB-4) was denied since water from the seep was bypassing sediment controls.

OPINION:

It is the professional opinion of BFW, Inc., that some recognized environmental conditions (RECs) have been identified in the project area as defined by ASTM.

Current RECS

- Current petroleum releases throughout the site. These appear to be in active mining areas.

Historic RECS

- Past violation history for leaching substandard water with contaminants onto neighboring properties.
- Past spills from previous mining operations as noted by a few instances in the EDR report (Star Fire Mining and Fraser Creek Mining).
- Interviews indicated that USTs were previously encountered more than 20 years ago during mining operations. There is not documentation which indicates whether these tanks were properly removed.

Business Risk

- Shop locations were noted to have some old floor tiles that were in disrepair. These could contain asbestos based on the age of the structures.
- If past violations indicate that water with low pH and high levels of Iron and Manganese have left the site, there is a potential for contamination to neighboring properties.

10. CONCLUSIONS

BFW has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-21 of the subject property described in Section 6.0 of this report. Any exceptions to, or deletions from, this practice are described in Section 10.0 of this report.

Based on the findings of this Phase I ESA, some ***recognized environmental conditions (RECs)*** were identified at the site.

11. DEVIATIONS FROM ASTM STANDARD E-1527-21

BFW has prepared this report in general conformance with the ASTM Standard E 1527-21.

12. PROFESSIONAL QUALIFICATIONS

Susannah Campbell is the Environmental Manager for Bacon Farmer Workman (BFW) Engineering & Testing. She is a certified Asbestos Inspector in the State of Kentucky and Illinois and is also a certified Lead Risk Assessor in the State of Kentucky. She has performed numerous Phase I ESAs in western Kentucky and southern Illinois. She received her B.A. in Business with an area of Finance and a Math minor from Murray State University and received her B.A. in Mechanical Engineering with a Math minor from the University of Kentucky. In addition to serving as Environmental Manager of BFW, she also handles environmental permitting, inspections, and training for the firm. She serves as project manager on numerous projects, some of which have included United State Army Corps of Engineers (USACE) Remedial Contracts, railroad derailment sites, etc. Previously, she has worked for 5H Tech and for LAN Associates, which were also environmental consulting companies.

13. ADDITIONAL SERVICES

BFW also prepared a Wetland Delineation and Stream Assessment report under separate cover.

14. REFERENCES

American Society for Testing and Materials Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-21).

Environmental Data Resources (EDR), The EDR Map with Geocheck, dated: August 18, 2023

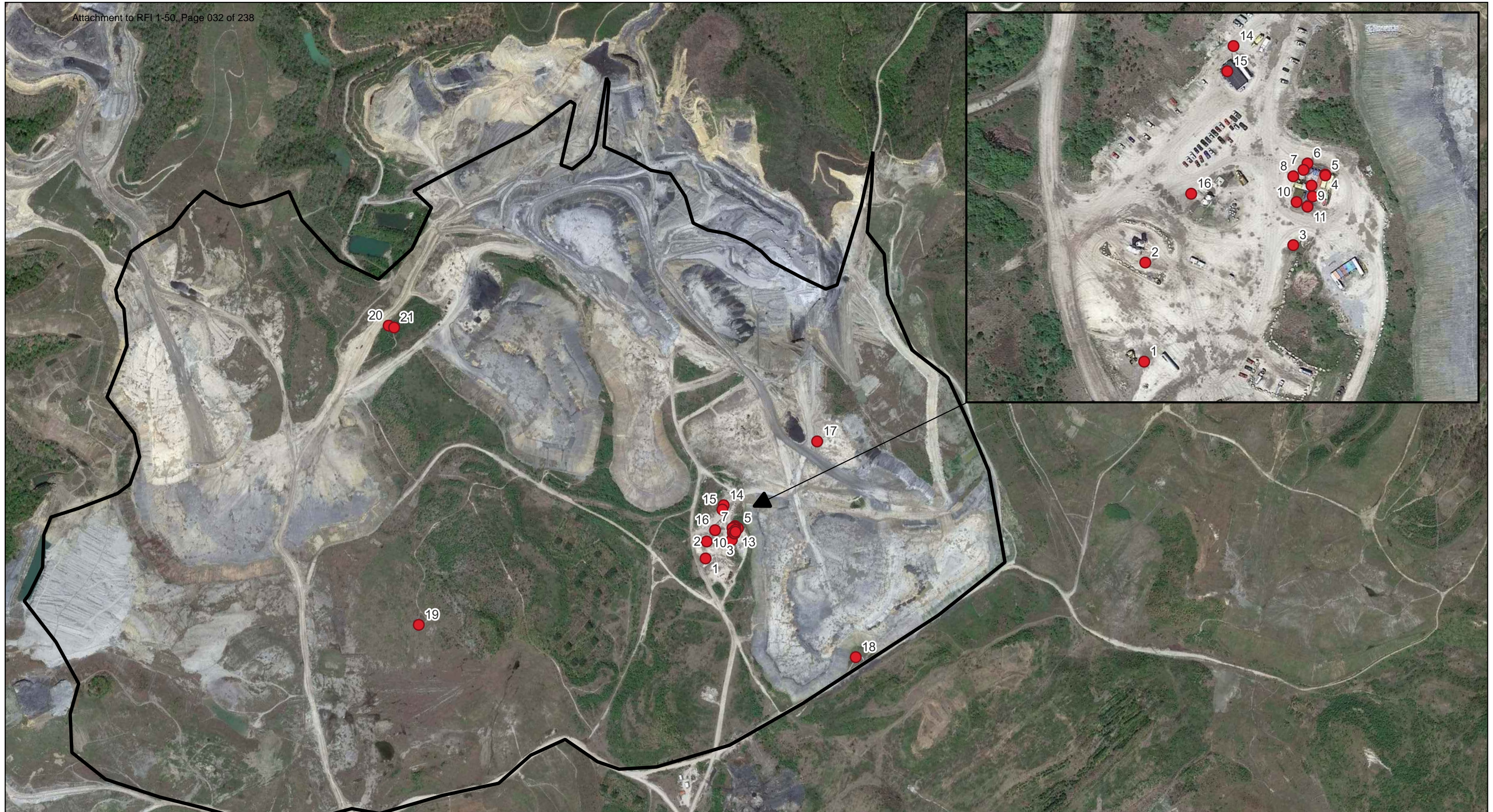
Environmental Data Resources (EDR), Aerials, dated: August 24, 2023

USDA NRCS Web Soil Survey. November 2023: <http://websoilsurvey.nrcs.usda.gov>

United States Geological Survey (USGS) Topographic Maps for Vest, Noble, Hazard, and Troublesome

Appendix A

Figures / Aerials



LEGEND

Project Data

- Photo Log Spill Locations
- ▭ Project Boundary

IN WV
KY VA
TN NC

0 1,000 2,000 ft

1 inch : 1167 feet

Photo Log Map

BrightNight - Star Fire

Project Number: 23526	Drafted/Checked: HK/SC	Date: 2023-11-21
--------------------------	---------------------------	---------------------

BFW

BACON | FARMER | WORKMAN

ENGINEERING & TESTING, INC.
500 SOUTH 17TH STREET
PADUCAH, KY 42003



Bulan

Bulan

Bulan, KY 41722

Inquiry Number: 7420455.8

August 21, 2023

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:

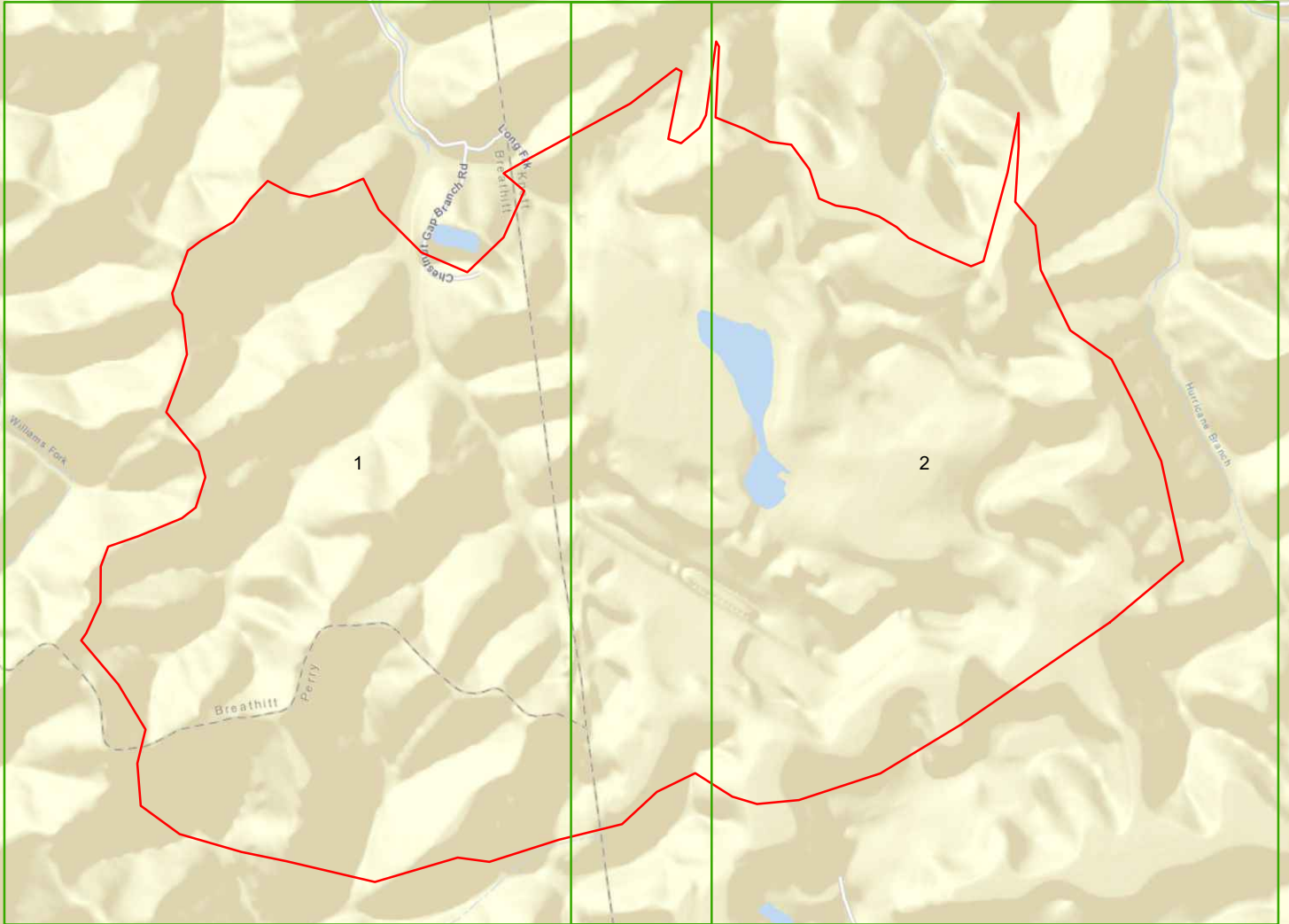
Aerial Photography August 21, 2023

Target Property:

Bulan

Bulan, KY 41722

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1952	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1952	USGS
1960	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1960	USGS
1971	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1971	USGS
1977	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1977	USGS
1983	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1983	USDA
1995	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1995	USGS/DOQQ
2008	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2008	USGS/NAIP
2012	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2012	USGS/NAIP
2016	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2016	USGS/NAIP
2020	Aerial Photograph. Scale: 1"=1000'	Flight Year: 2020	USGS/NAIP



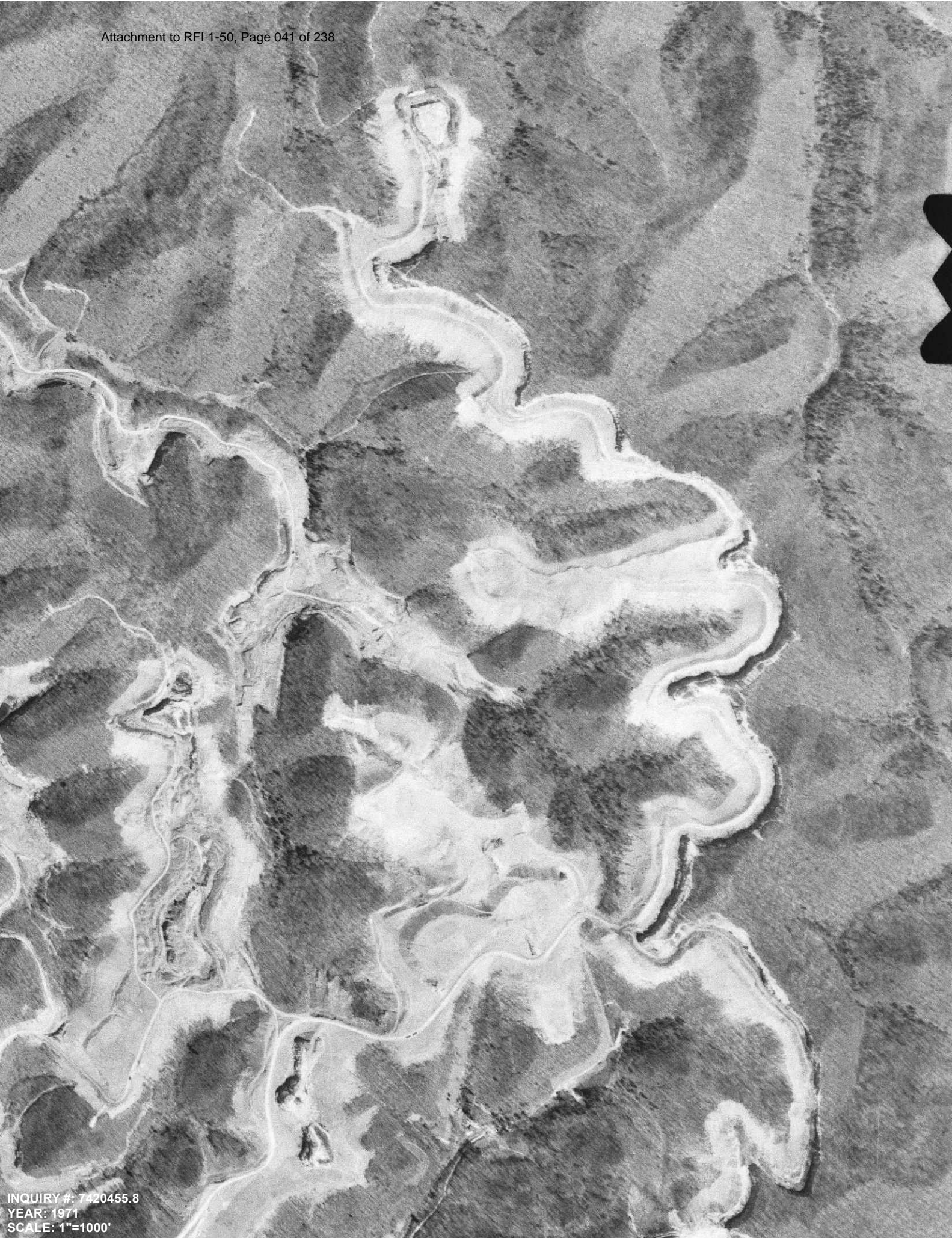




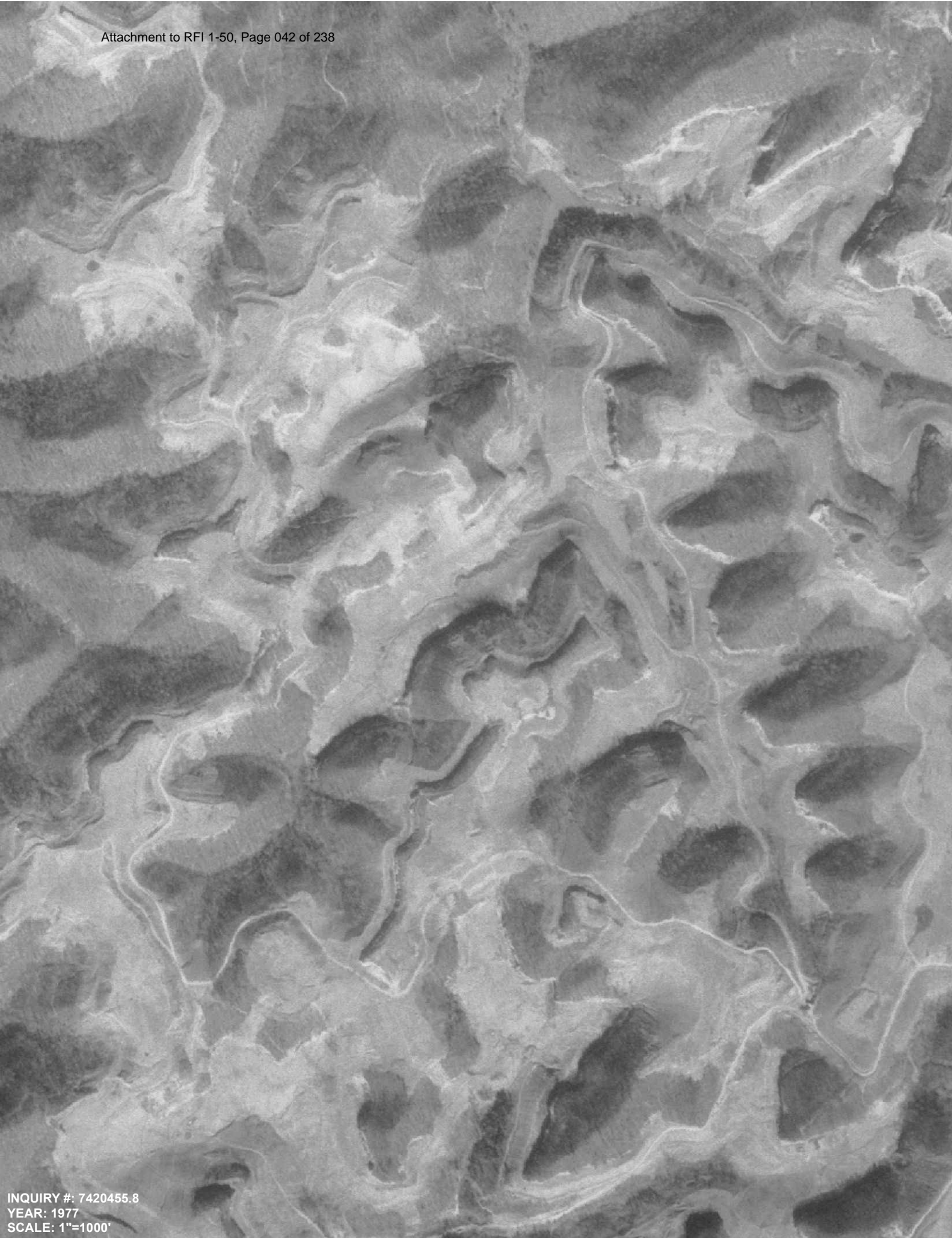


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YEAR: 1960
SCALE: 1"=1000'

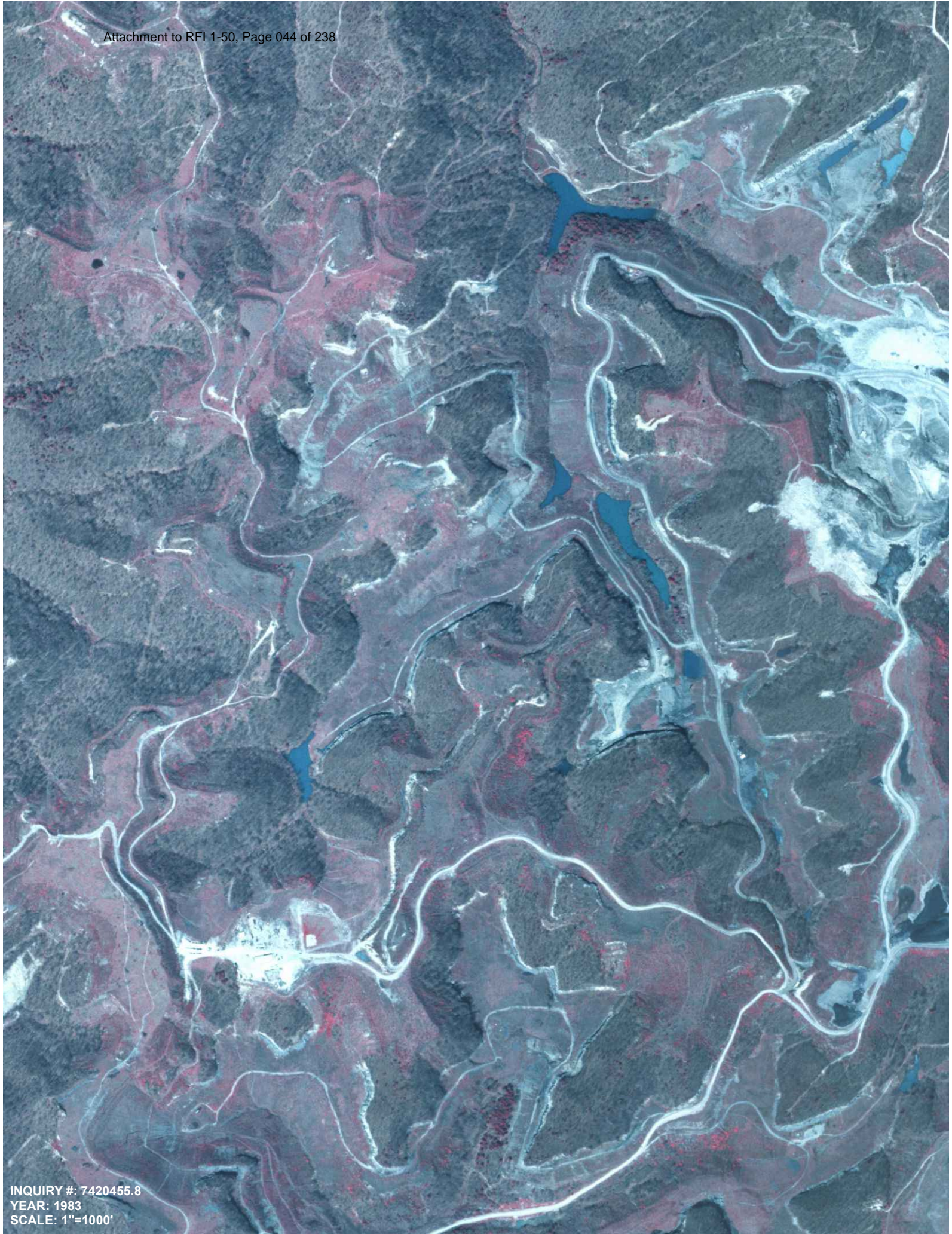


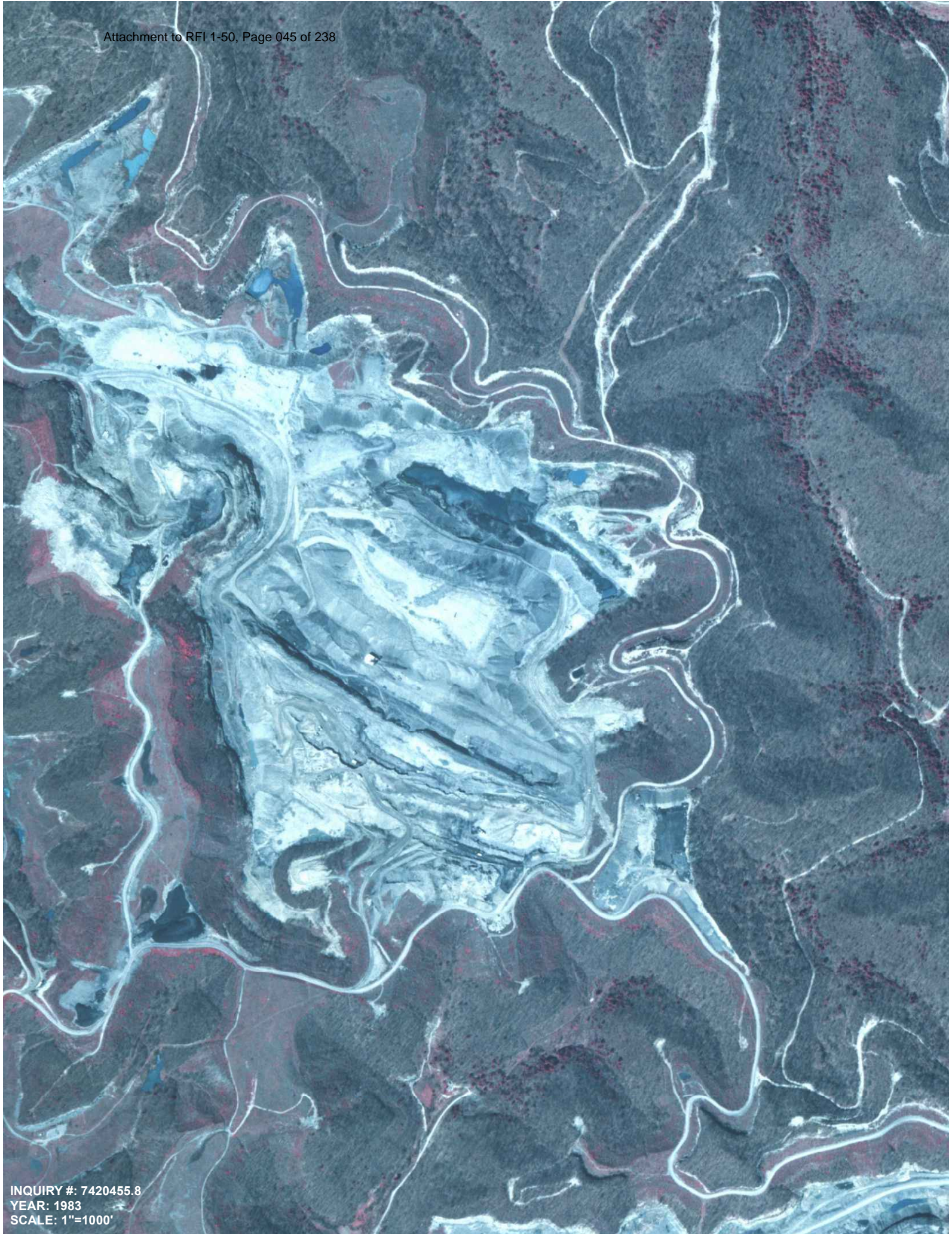


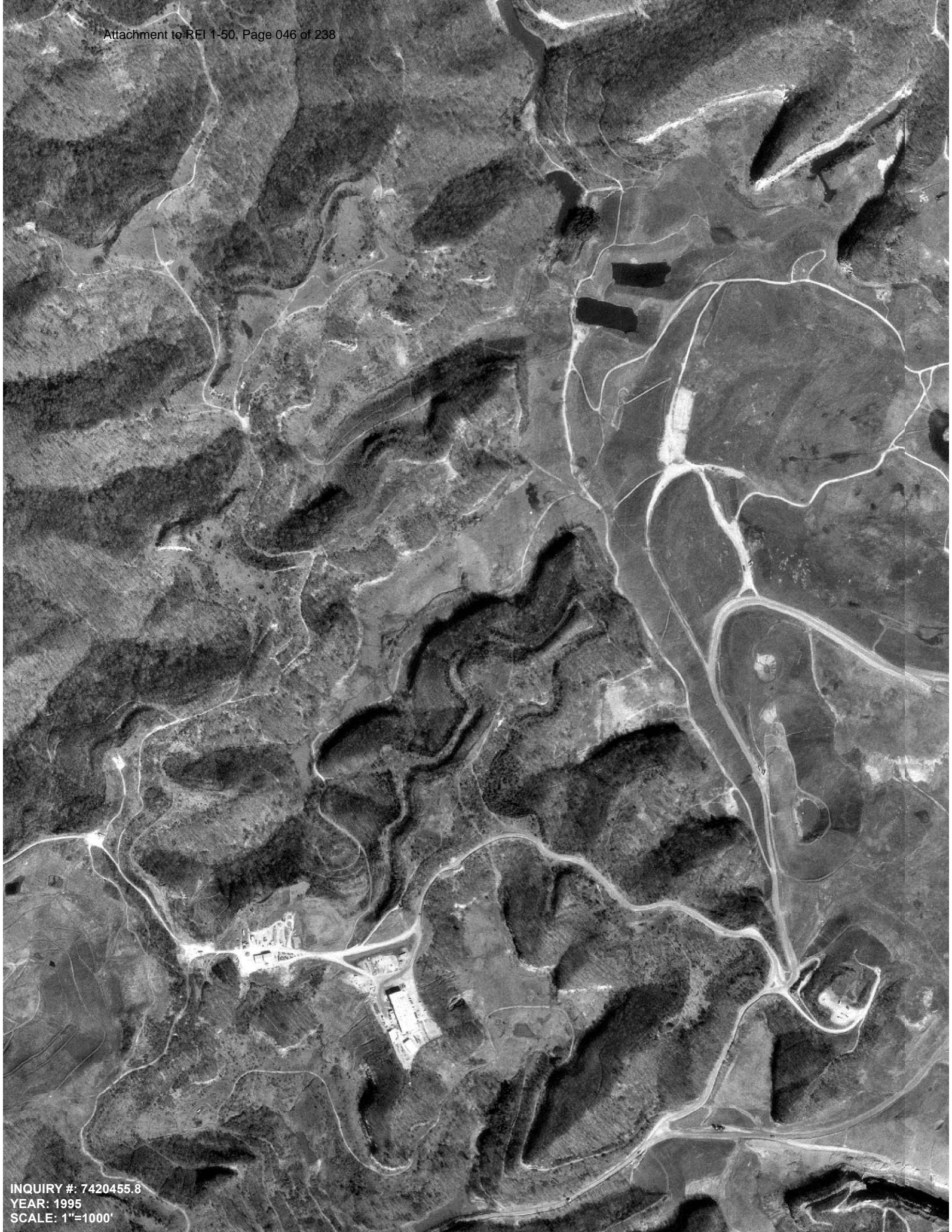
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YEAR: 1971
SCALE: 1"=1000'

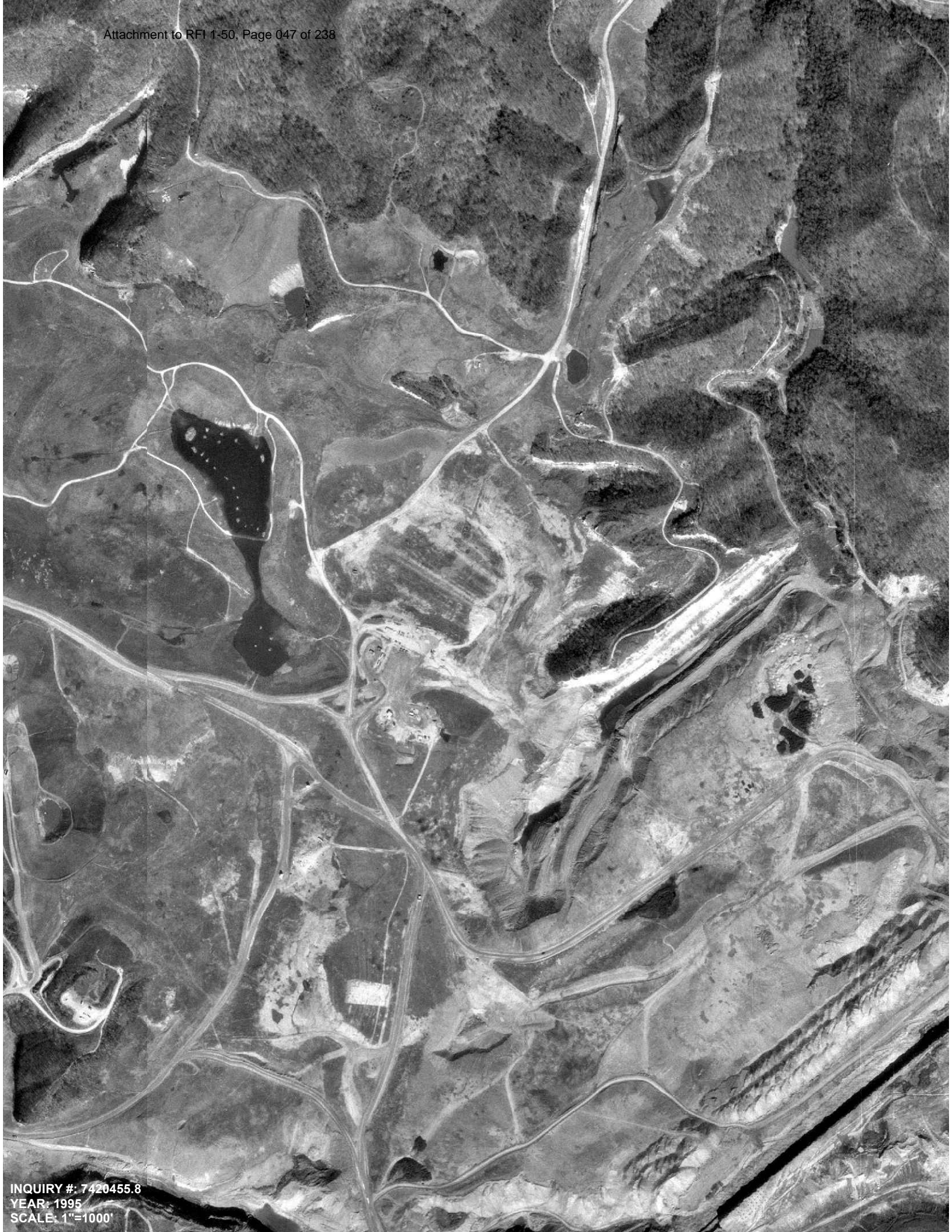




























Appendix B

Photographs



Location 1



Location 2



Location 3



Location 4



Location 5



Location 6



Location 7



Location 8



Location 9



Location 10



Location 11



Location 12



Location 13



Location 14



Location 15



Location 16



Location 17



Location 18



Location 19



Location 20



Location 21

Appendix C

EDR Radius Map Report

Bulan

Bulan

Bulan, KY 41722

Inquiry Number: 7420455.10s

August 18, 2023

EDR Area / Corridor Report



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Focus Maps	7
Map Findings	25
Orphan Summary	OR-1
Government Records Searched/Data Currency Tracking	GR-1

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 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

BULAN
BULAN, KY 41722

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 02/08/2023 has revealed that there are 2 SPILLS sites 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: 208168		5 / 5	38
Not reported Facility Status: Env. Closed Inc ID: 2307447		E21 / 5	52

Other Ascertainable Records

US MINES: Mines Master Index File

A review of the US MINES list, as provided by EDR, has revealed that there are 5 US MINES sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
STAR FIRE MINING COM Database: US MINES, Date of Government Version: 05/01/2023		C13 / 4	47

EXECUTIVE SUMMARY

Mine ID:: 1504288		
STAR FIRE MINING COM	C14 / 4	48
Database: US MINES, Date of Government Version: 05/01/2023		
Mine ID:: 1511486		
STAR FIRE MINING COM	C15 / 4	48
Database: US MINES, Date of Government Version: 05/01/2023		
Mine ID:: 1513132		
STAR FIRE MINING COM	D17 / 4	50
Database: US MINES, Date of Government Version: 05/01/2023		
Mine ID:: 1511444		
STAR FIRE MINING COM	D19 / 4	51
Database: US MINES, Date of Government Version: 05/01/2023		
Mine ID:: 1511394		

ABANDONED MINES: Abandoned Mines

A review of the ABANDONED MINES list, as provided by EDR, and dated 06/13/2023 has revealed that there are 5 ABANDONED MINES sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
JOB #5	MILL CREEK	C10 / 4	45
#1 SURFACE MINE		C11 / 4	46
#2 SURFACE MINE		C12 / 4	47
#3 SURFACE MINE		D16 / 4	49
#4 SURFACE MINE		D18 / 4	50

FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 05/04/2023 has revealed that there are 5 FINDS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
ICG HAZARD LLC (813- Registry ID:: 110017373894	JCT OF KY 1037 & JCT	A2 / 4	24
LIBERTY MANAGEMENT L Registry ID:: 110009013110	LOST MOUNTAIN RD	B6 / 5	40
LITTLE ELK MINING CO Registry ID:: 110045176938	CAMP CREEK RD	9 / 5	44
SOUTHERN APPLACHIAN Registry ID:: 110045172059	NONE	23 / 8	53
CYPRUS MOUNTAIN COAL Registry ID:: 110003223182	HIGHAY 1087	24 / 8	53

EXECUTIVE SUMMARY

ECHO: Enforcement & Compliance History Information

A review of the ECHO list, as provided by EDR, and dated 03/25/2023 has revealed that there are 4 ECHO sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
ICG HAZARD LLC (813- Registry ID: 110017373894	JCT OF KY 1037 & JCT	A2 / 4	24
LIBERTY MANAGEMENT L Registry ID: 110009013110	LOST MOUNTAIN RD	B6 / 5	40
ICG HAZARD LLC (813- Registry ID: 110011219537	LOST MOUNTAIN RD	E20 / 5	51
CYPRUS MOUNTAIN COAL Registry ID: 110003223182	HIGHAY 1087	24 / 8	53

AIRS: Permitted Airs Facility Listing

A review of the AIRS list, as provided by EDR, and dated 02/16/2023 has revealed that there are 3 AIRS sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
VINLAND ENERGY LLC - Facility Id: 2111900054	STARFIRE HAUL RD	3 / 5	25
CORE APPALACHIA OPER Facility Id: 2111900062	KY 1098	4 / 6	32
LIBERTY MANAGEMENT L Facility Id: 2111900034	LOST MOUNTAIN RD	B7 / 5	40

NPDES: Permitted Facility Listing

A review of the NPDES list, as provided by EDR, and dated 02/21/2023 has revealed that there are 4 NPDES sites within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
FRASURE CREEK MINING Facility Status: ACTIVE KY DES #: KYG045943	KY 1037 & KY 15	A1 / 4	24
LIBERTY MANAGEMENT L Facility Status: Effective KY DES #: KYGE41033	LOST MOUNTAIN RD	B7 / 5	40
FRASURE CREEK MINING Facility Status: ACTIVE KY DES #: KY0101761	LICK BRANCH OF BALLS	B8 / 5	44
ICG HAZARD LLC (813- Facility Status: Terminated KY DES #: KYGE40509	LOST MOUNTAIN RD	E22 / 5	52

EXECUTIVE SUMMARY

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.

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Facilities List

A review of the SWF/LF list, as provided by EDR, and dated 04/28/2023 has revealed that there are 2 SWF/LF sites 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>
<i>KY MOUNTAIN POWER LL</i> Status: Terminated Facility Id: 43705	<i>6626 W KY 80</i>	<i>NNE 0 - 1/8 (0.035 mi.)</i>	<i>25 / 5</i>	<i>54</i>
TRUS JOIST MACMILLAN Status: Operating Facility Id: 40521	STRIP MINE 1 MILE S.	ENE 0 - 1/8 (0.046 mi.)	26 / 6	65

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

US MINES: Mines Master Index File

A review of the US MINES list, as provided by EDR, has revealed that there is 1 US MINES 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>
LIBERTY MANAGEMENT, Database: US MINES, Date of Government Version: 05/01/2023 Mine ID:: 1517828		SSE 1/8 - 1/4 (0.202 mi.)	27 / 8	65

COAL ASH: Coal Ash Disposal Sites

A review of the COAL ASH list, as provided by EDR, and dated 04/28/2023 has revealed that there is 1 COAL ASH 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>
<i>KY MOUNTAIN POWER LL</i>	<i>6626 W KY 80</i>	<i>NNE 0 - 1/8 (0.035 mi.)</i>	<i>25 / 5</i>	<i>54</i>

EXECUTIVE SUMMARY

AI: 43705

MAPPED SITES SUMMARY

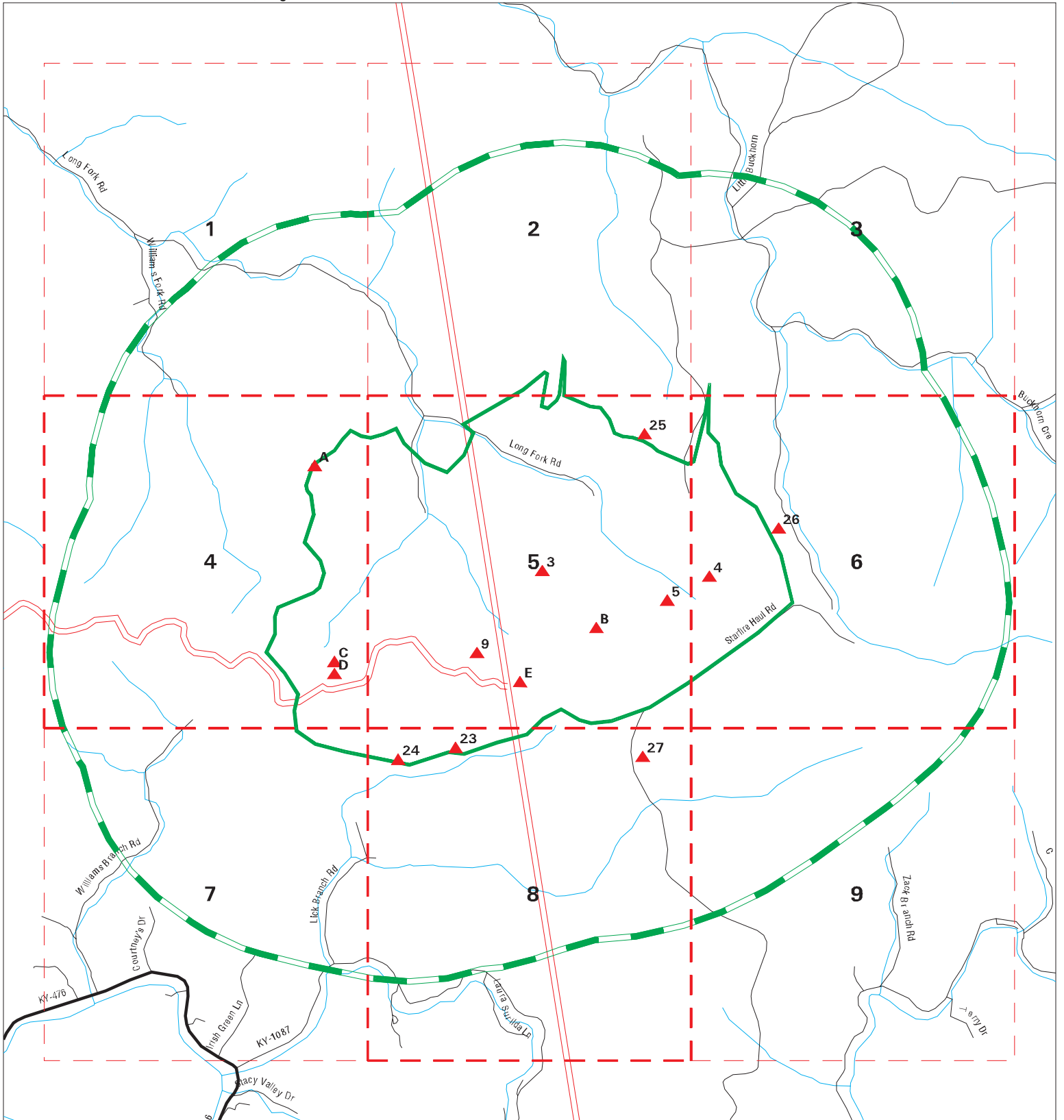
Target Property:

BULAN

BULAN, KY 41722

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A1 / 4	FRASURE CREEK MINING	KY 1037 & KY 15	NPDES	TP
A2 / 4	ICG HAZARD LLC (813-	JCT OF KY 1037 & JCT	FINDS, ECHO	TP
3 / 5	VINLAND ENERGY LLC -	STARFIRE HAUL RD	AIRS	TP
4 / 6	CORE APPALACHIA OPER	KY 1098	AIRS	TP
5 / 5			SPILLS	TP
B6 / 5	LIBERTY MANAGEMENT L	LOST MOUNTAIN RD	FINDS, ECHO	TP
B7 / 5	LIBERTY MANAGEMENT L	LOST MOUNTAIN RD	AIRS, NPDES	TP
B8 / 5	FRASURE CREEK MINING	LICK BRANCH OF BALLS	NPDES	TP
9 / 5	LITTLE ELK MINING CO	CAMP CREEK RD	FINDS	TP
C10 / 4	JOB #5	MILL CREEK	ABANDONED MINES	TP
C11 / 4	#1 SURFACE MINE		ABANDONED MINES	TP
C12 / 4	#2 SURFACE MINE		ABANDONED MINES	TP
C13 / 4	STAR FIRE MINING COM		US MINES	TP
C14 / 4	STAR FIRE MINING COM		US MINES	TP
C15 / 4	STAR FIRE MINING COM		US MINES	TP
D16 / 4	#3 SURFACE MINE		ABANDONED MINES	TP
D17 / 4	STAR FIRE MINING COM		US MINES	TP
D18 / 4	#4 SURFACE MINE		ABANDONED MINES	TP
D19 / 4	STAR FIRE MINING COM		US MINES	TP
E20 / 5	ICG HAZARD LLC (813-	LOST MOUNTAIN RD	ECHO	TP
E21 / 5			SPILLS	TP
E22 / 5	ICG HAZARD LLC (813-	LOST MOUNTAIN RD	NPDES	TP
23 / 8	SOUTHERN APPLACHIAN	NONE	FINDS	TP
24 / 8	CYPRUS MOUNTAIN COAL	HIGHAY 1087	FINDS, ECHO	TP
25 / 5	KY MOUNTAIN POWER LL	6626 W KY 80	SWF/LF, AIRS, COAL ASH	187 0.035 NNE
26 / 6	TRUS JOIST MACMILLAN	STRIP MINE 1 MILE S.	SWF/LF	245 0.046 ENE
27 / 8	LIBERTY MANAGEMENT,		US MINES	1064 0.202 SSE

Key Map - 7420455.10s



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



SITE NAME: Bulan
 ADDRESS: Bulan
 CITY/STATE: Bulan KY
 ZIP: 41722

CLIENT: Bacon Farmer Workman Eng & Testing Inc
 CONTACT: Susannah Campbell, PMP
 INQUIRY #: 7420455.10s
 DATE: 08/18/23 9:03 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
STANDARD ENVIRONMENTAL RECORDS								
<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	0	NR	0
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		2	0	0	NR	NR	2
<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		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
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
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	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	2	NR	NR	NR	NR	NR	2
<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	5	0	1	NR	NR	NR	6
ABANDONED MINES	0.250	5	0	0	NR	NR	NR	5
FINDS	TP	5	NR	NR	NR	NR	NR	5
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP	4	NR	NR	NR	NR	NR	4
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 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
PFAS	0.250		0	0	NR	NR	NR	0
AIRS	TP	3	NR	NR	NR	NR	NR	3
ASBESTOS	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		1	0	0	NR	NR	1

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
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	4	NR	NR	NR	NR	NR	4
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0

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 --		28	3	1	0	0	0	32
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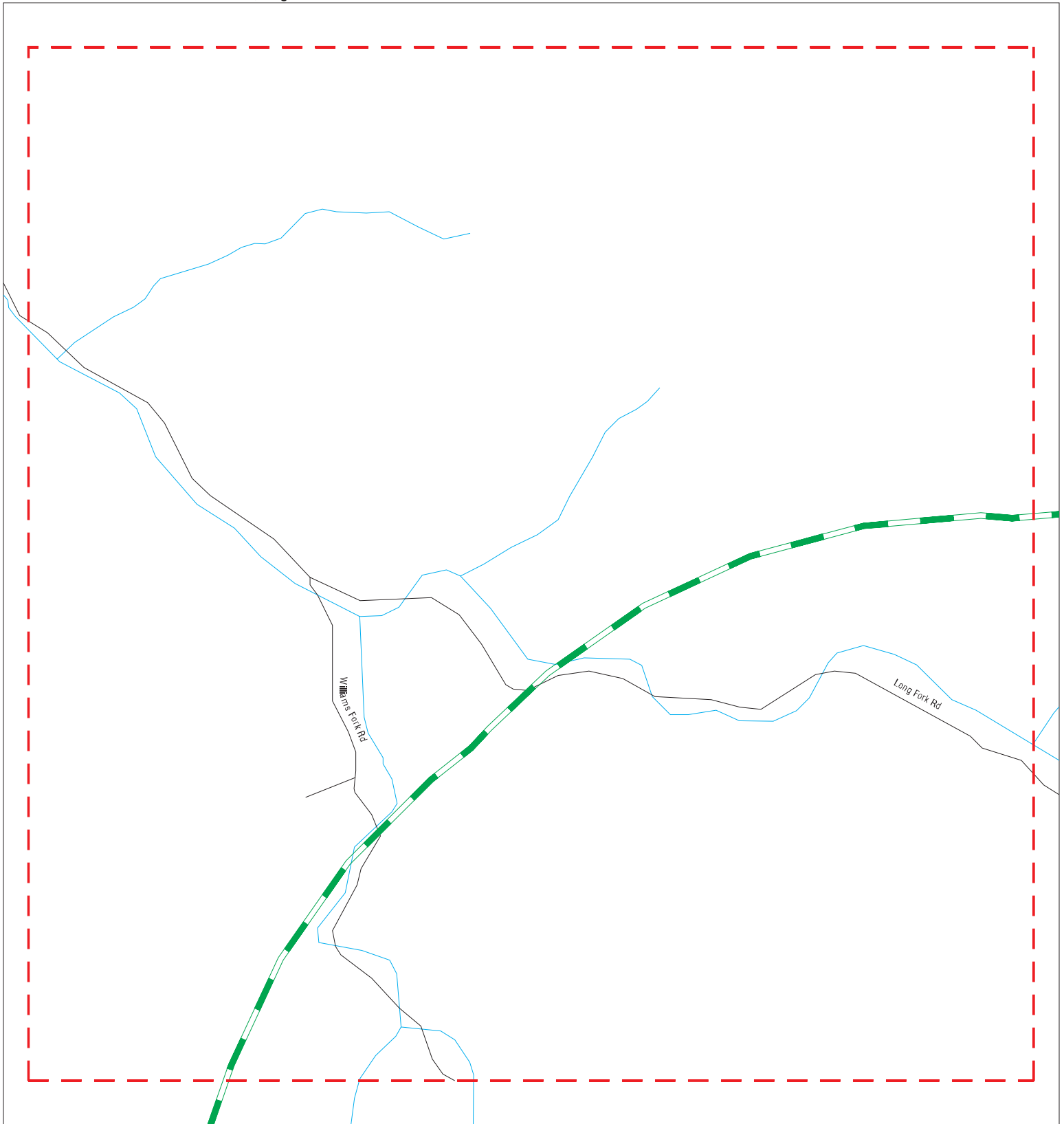
NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 7420455.10s



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



SITE NAME: Bulan
ADDRESS: Bulan
CITY/STATE: Bulan KY
ZIP: 41722

CLIENT: Bacon Farmer Workman Eng & Testing Inc
CONTACT: Susannah Campbell, PMP
INQUIRY #: 7420455.10s
DATE: 08/18/23

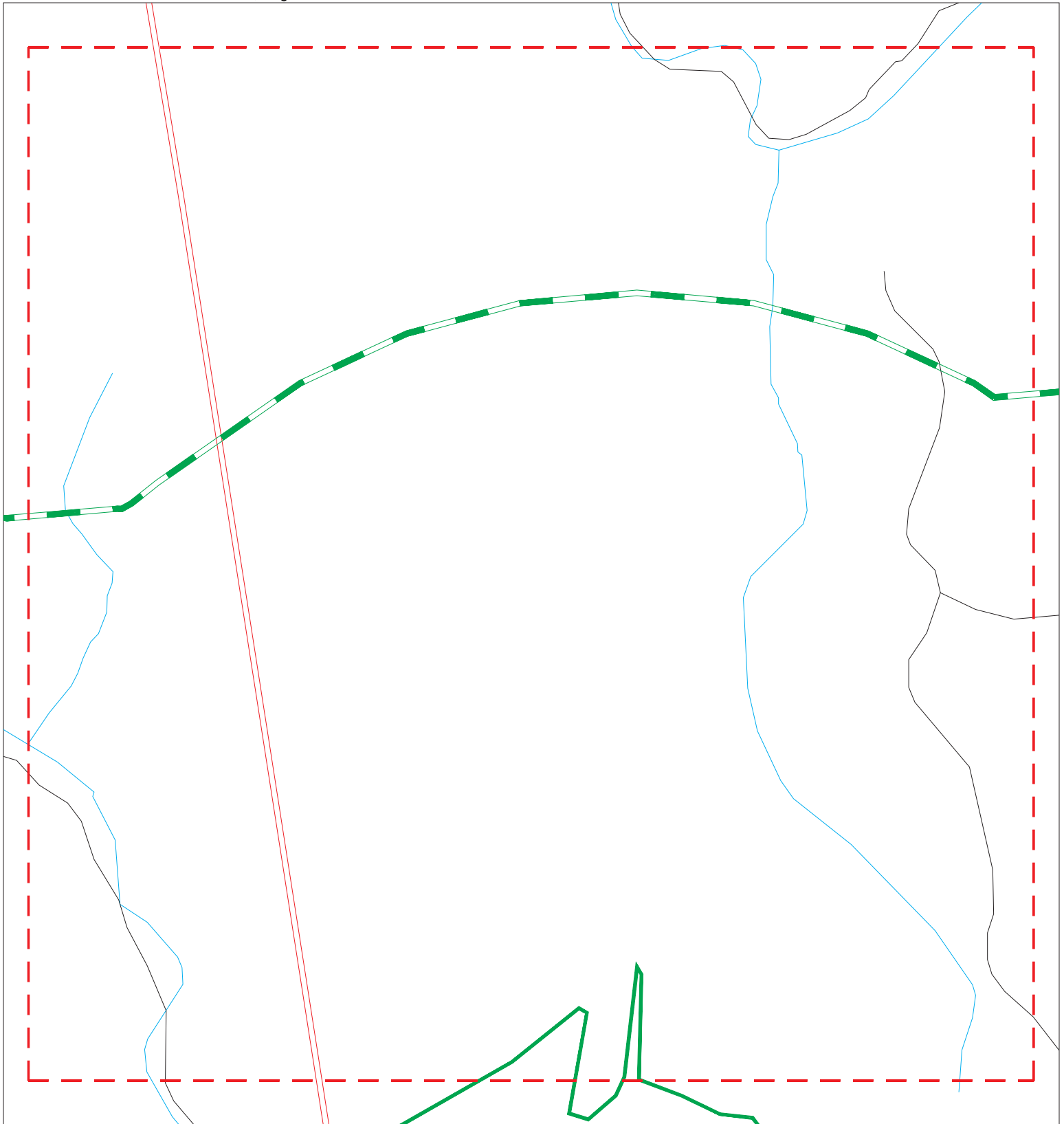
MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
BULAN
BULAN, KY 41722

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

NO MAPPED SITES FOUND

Focus Map - 2 - 7420455.10s



- | | | | | | |
|----------------------|------------------------------|-------------------------|---|-----|-----------|
| Sites | Focus Map - Sites | Indian Reservations BIA | 0 | 1/8 | 1/4 Miles |
| Target Property | Pipe Line | | | | |
| Search Buffer | National Priority List Sites | | | | |
| Focus Map - No Sites | Dept. Defense Sites | | | | |

SITE NAME: Bulan
ADDRESS: Bulan
CITY/STATE: Bulan KY
ZIP: 41722

CLIENT: Bacon Farmer Workman Eng & Testing Inc
CONTACT: Susannah Campbell, PMP
INQUIRY #: 7420455.10s
DATE: 08/18/23

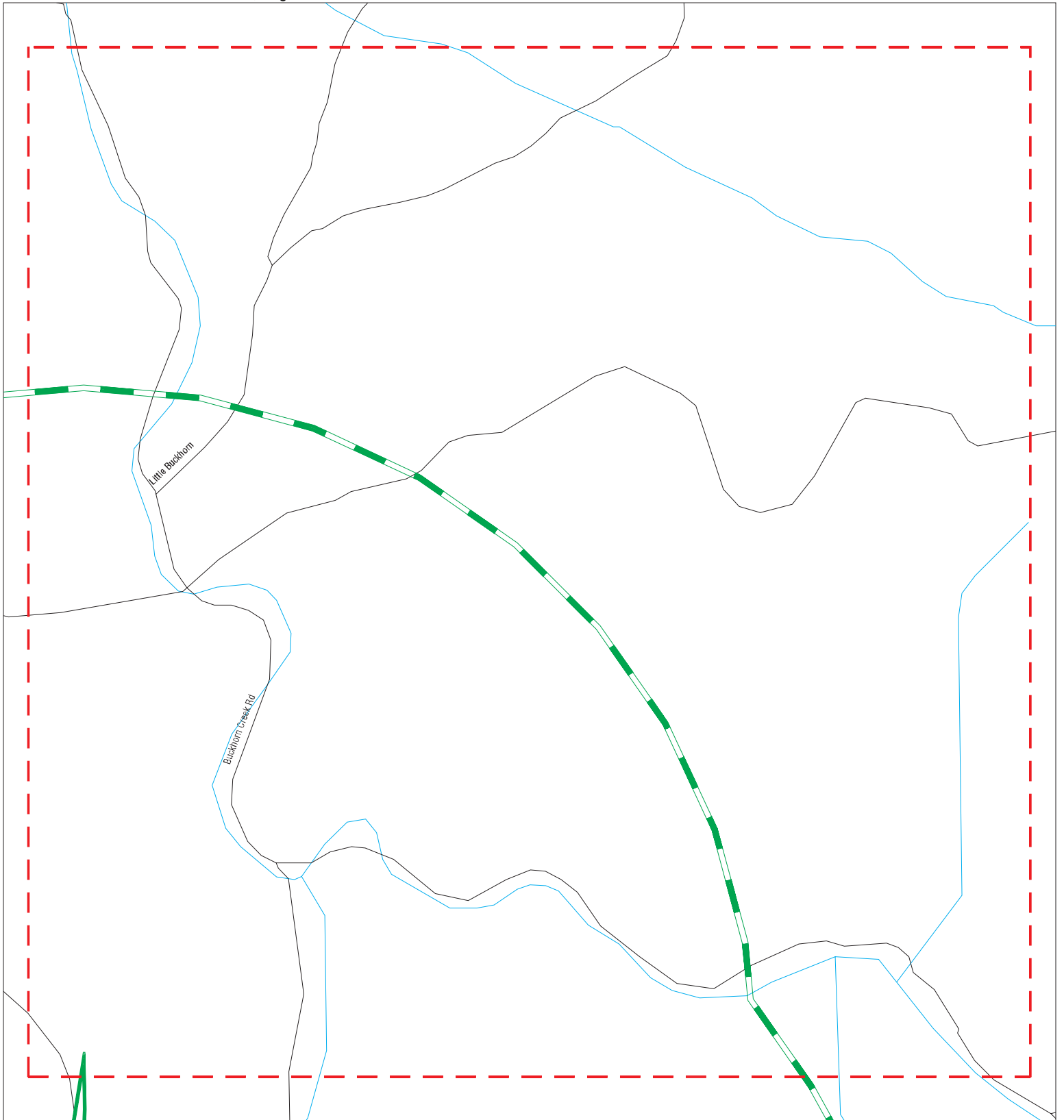
MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
BULAN
BULAN, KY 41722

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

NO MAPPED SITES FOUND

Focus Map - 3 - 7420455.10s



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

<p>SITE NAME: Bulan ADDRESS: Bulan CITY/STATE: Bulan KY ZIP: 41722</p>	<p>CLIENT: Bacon Farmer Workman Eng & Testing Inc CONTACT: Susannah Campbell, PMP INQUIRY #: 7420455.10s DATE: 08/18/23</p>
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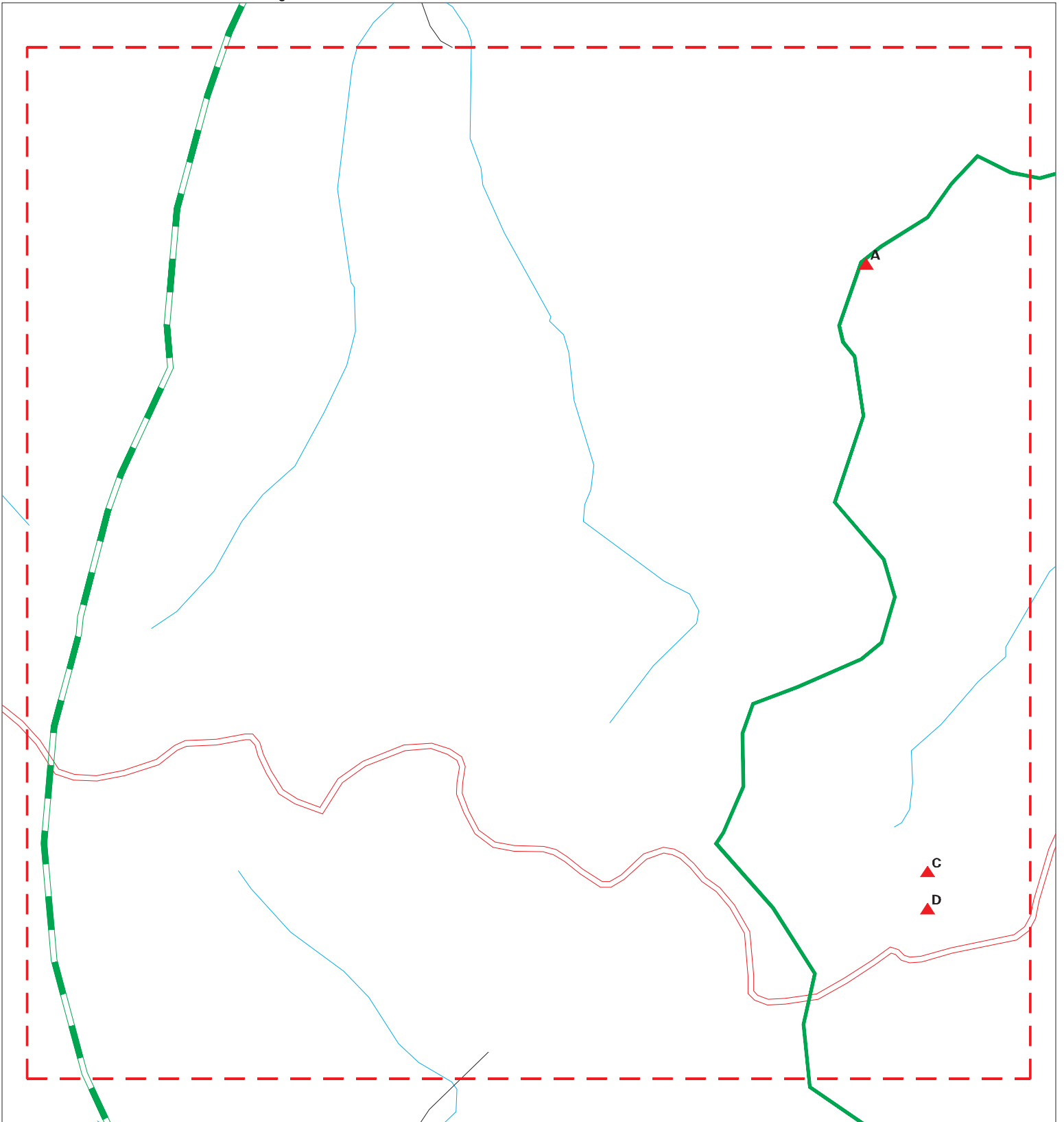
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
BULAN
BULAN, KY 41722

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

Focus Map - 4 - 7420455.10s



- ▲ Sites
 - ▲ Focus Map - Sites
 - ▨ Indian Reservations BIA
 - ▲ Target Property
 - ▲ Pipe Line
 - ▲ Search Buffer
 - ▨ National Priority List Sites
 - ▲ Focus Map - No Sites
 - ▨ Dept. Defense Sites
- 0 1/8 1/4 Miles

SITE NAME: Bulan
ADDRESS: Bulan
CITY/STATE: Bulan KY
ZIP: 41722

CLIENT: Bacon Farmer Workman Eng & Testing Inc
CONTACT: Susannah Campbell, PMP
INQUIRY #: 7420455.10s
DATE: 08/18/23

MAPPED SITES SUMMARY - FOCUS MAP 4

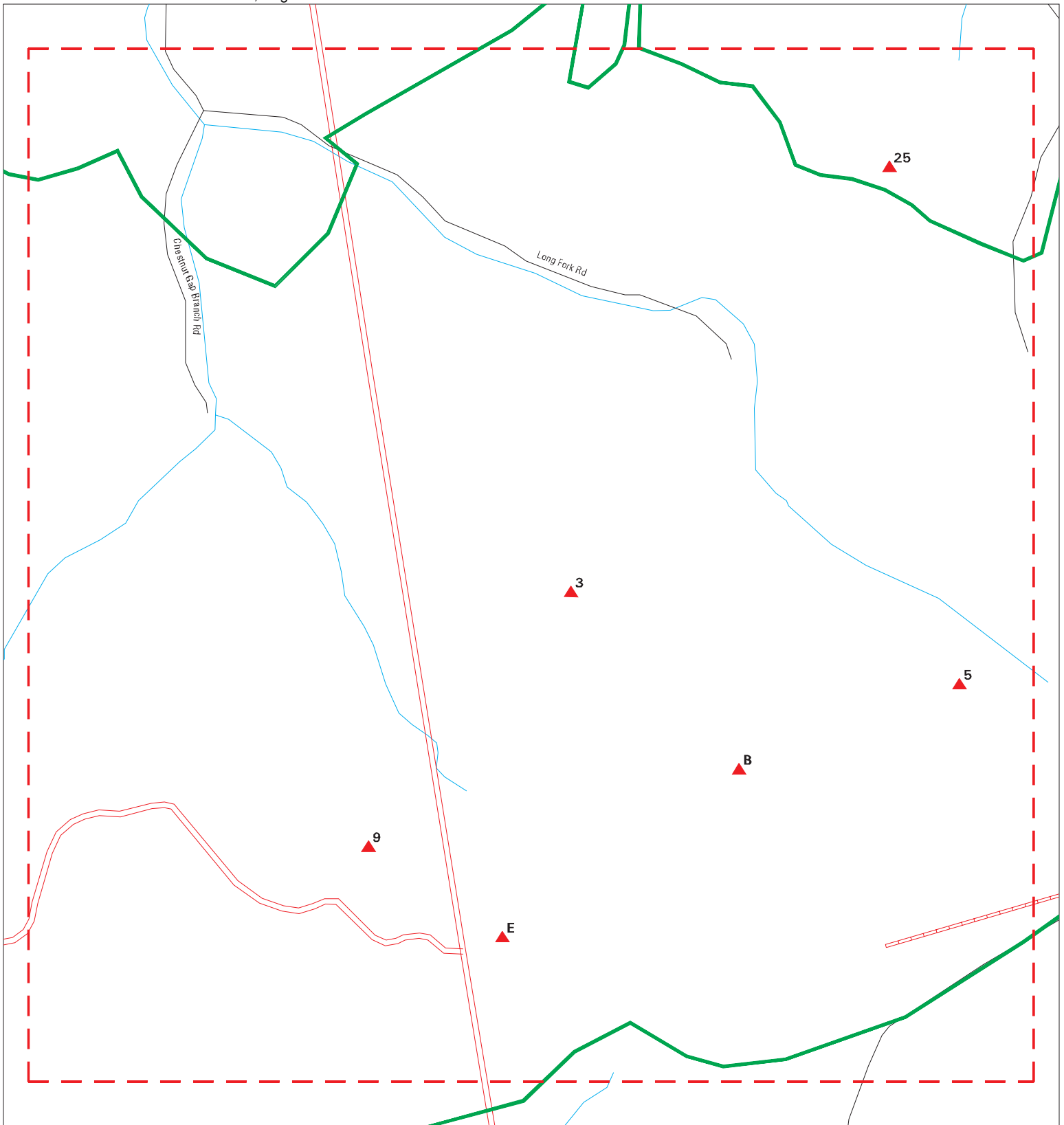
Target Property:

BULAN
BULAN, KY 41722

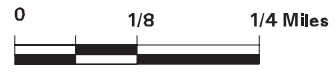
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
A1 / 4	FRASURE CREEK MINING	KY 1037 & KY 15	NPDES	TP
A2 / 4	ICG HAZARD LLC (813-	JCT OF KY 1037 & JCT	FINDS, ECHO	TP
C10 / 4	JOB #5	MILL CREEK	ABANDONED MINES	TP
C11 / 4	#1 SURFACE MINE		ABANDONED MINES	TP
C12 / 4	#2 SURFACE MINE		ABANDONED MINES	TP
C13 / 4	STAR FIRE MINING COM		US MINES	TP
C14 / 4	STAR FIRE MINING COM		US MINES	TP
C15 / 4	STAR FIRE MINING COM		US MINES	TP
D16 / 4	#3 SURFACE MINE		ABANDONED MINES	TP
D17 / 4	STAR FIRE MINING COM		US MINES	TP
D18 / 4	#4 SURFACE MINE		ABANDONED MINES	TP
D19 / 4	STAR FIRE MINING COM		US MINES	TP

Focus Map - 5 - 7420455.10s

Attachment to RFI 1-50, Page 090 of 238



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



<p>SITE NAME: Bulan ADDRESS: Bulan CITY/STATE: Bulan KY ZIP: 41722</p>	<p>CLIENT: Bacon Farmer Workman Eng & Testing Inc CONTACT: Susannah Campbell, PMP INQUIRY #: 7420455.10s DATE: 08/18/23</p>
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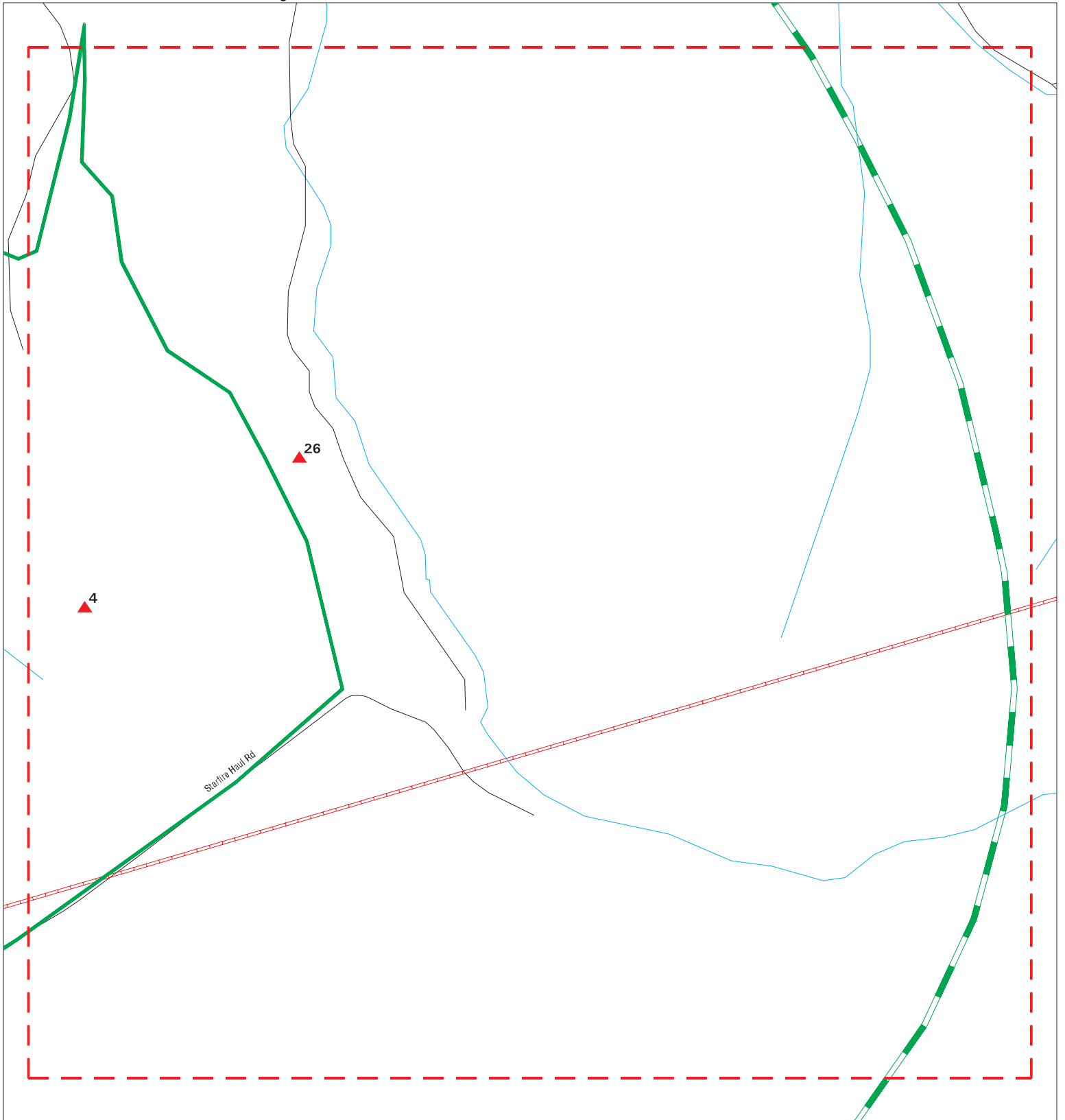
MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:

BULAN
BULAN, KY 41722

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
3 / 5	VINLAND ENERGY LLC -	STARFIRE HAUL RD	AIRS	TP
5 / 5			SPILLS	TP
B6 / 5	LIBERTY MANAGEMENT L	LOST MOUNTAIN RD	FINDS, ECHO	TP
B7 / 5	LIBERTY MANAGEMENT L	LOST MOUNTAIN RD	AIRS, NPDES	TP
B8 / 5	FRASURE CREEK MINING	LICK BRANCH OF BALLS	NPDES	TP
9 / 5	LITTLE ELK MINING CO	CAMP CREEK RD	FINDS	TP
E20 / 5	ICG HAZARD LLC (813-	LOST MOUNTAIN RD	ECHO	TP
E21 / 5			SPILLS	TP
E22 / 5	ICG HAZARD LLC (813-	LOST MOUNTAIN RD	NPDES	TP
25 / 5	KY MOUNTAIN POWER LL	6626 W KY 80	SWF/LF, AIRS, COAL ASH	187 0.035 NNE

Focus Map - 6 - 7420455.10s



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



SITE NAME: Bulan
 ADDRESS: Bulan
 CITY/STATE: Bulan KY
 ZIP: 41722

CLIENT: Bacon Farmer Workman Eng & Testing Inc
 CONTACT: Susannah Campbell, PMP
 INQUIRY #: 7420455.10s
 DATE: 08/18/23

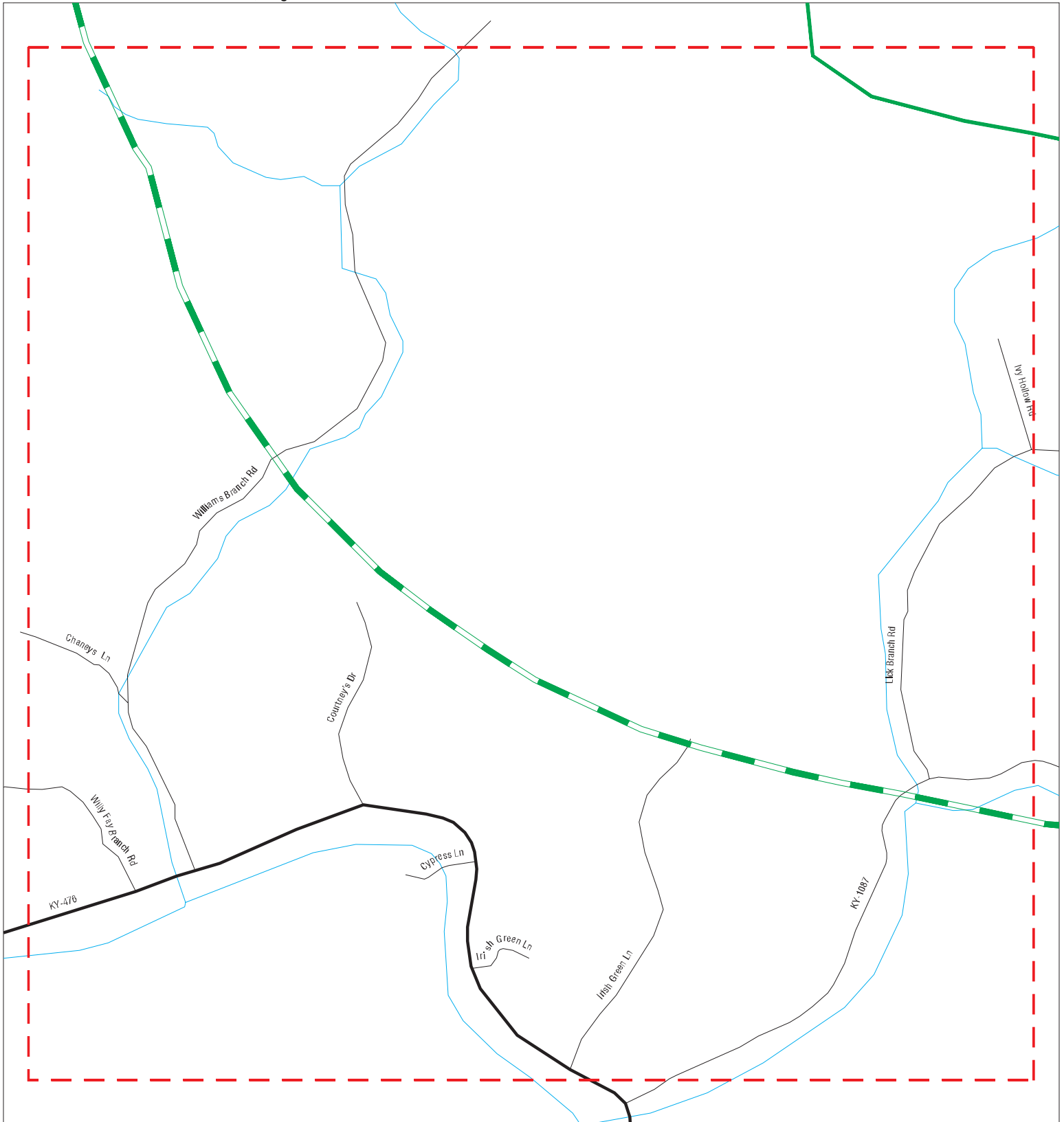
MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
 BULAN
 BULAN, KY 41722

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
4 / 6	CORE APPALACHIA OPER	KY 1098	AIRS	TP
26 / 6	TRUS JOIST MACMILLAN	STRIP MINE 1 MILE S.	SWF/LF	245 0.046 ENE

Focus Map - 7 - 7420455.10s

Attachment to RFI 1-50, Page 094 of 238



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



SITE NAME: Bulan
 ADDRESS: Bulan
 CITY/STATE: Bulan KY
 ZIP: 41722

CLIENT: Bacon Farmer Workman Eng & Testing Inc
 CONTACT: Susannah Campbell, PMP
 INQUIRY #: 7420455.10s
 DATE: 08/18/23

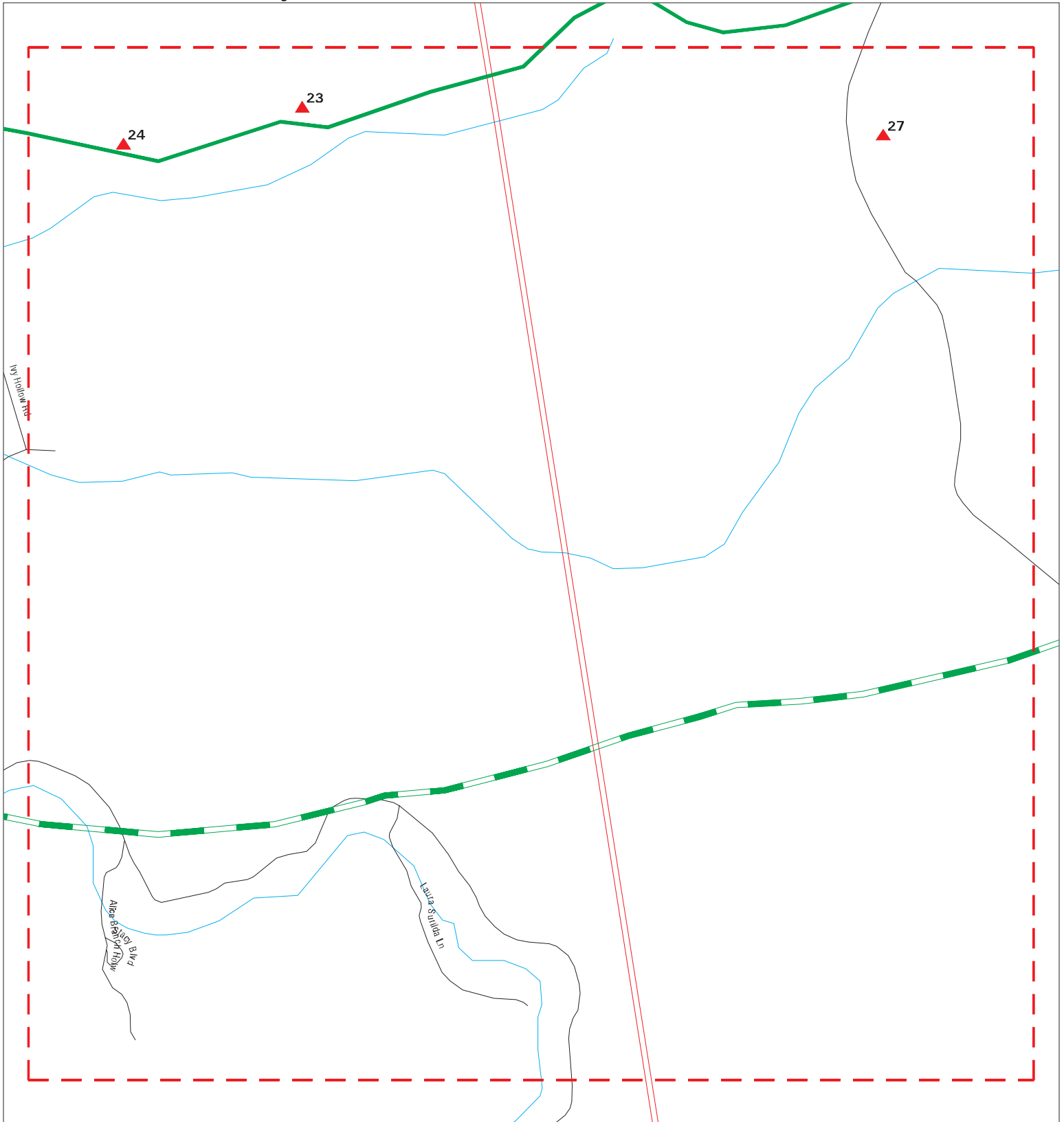
MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
BULAN
BULAN, KY 41722

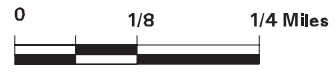
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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NO MAPPED SITES FOUND

Focus Map - 8 - 7420455.10s



- ▲ Sites
- ▬▬▬ Target Property
- - - - Search Buffer
- ▬▬▬ Focus Map - Sites
- ▬▬▬ Pipe Line
- ▬▬▬ National Priority List Sites
- ▬▬▬ Dept. Defense Sites
- ▬▬▬ Indian Reservations BIA



SITE NAME: Bulan ADDRESS: Bulan CITY/STATE: Bulan KY ZIP: 41722	CLIENT: Bacon Farmer Workman Eng & Testing Inc CONTACT: Susannah Campbell, PMP INQUIRY #: 7420455.10s DATE: 08/18/23
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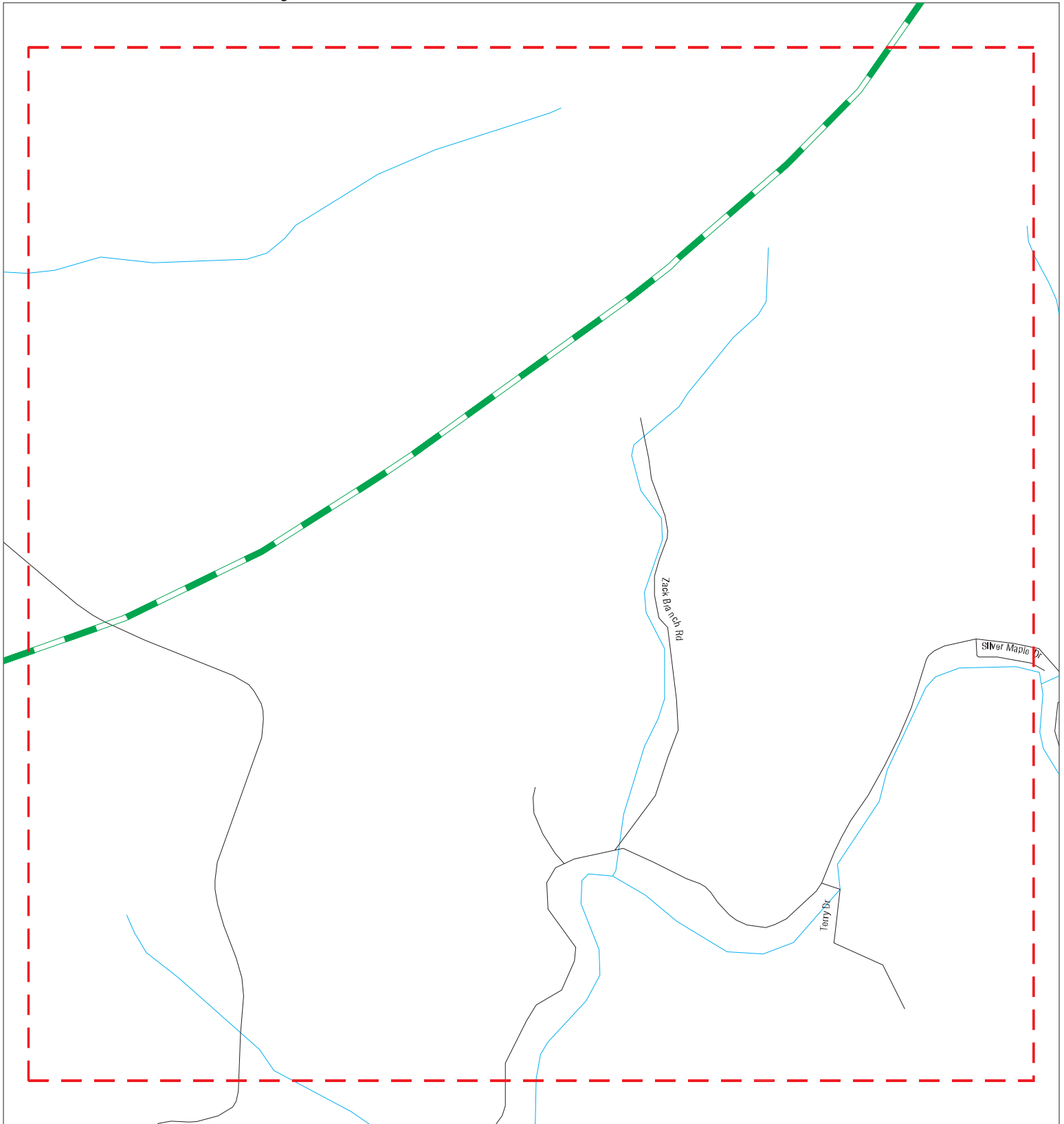
MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:

BULAN
BULAN, KY 41722

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
23 / 8	SOUTHERN APPLACHIAN	NONE	FINDS	TP
24 / 8	CYPRUS MOUNTAIN COAL	HIGHAY 1087	FINDS, ECHO	TP
27 / 8	LIBERTY MANAGEMENT,		US MINES	1064 0.202 SSE

Focus Map - 9 - 7420455.10s



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



SITE NAME: Bulan
ADDRESS: Bulan
CITY/STATE: Bulan KY
ZIP: 41722

CLIENT: Bacon Farmer Workman Eng & Testing Inc
CONTACT: Susannah Campbell, PMP
INQUIRY #: 7420455.10s
DATE: 08/18/23

MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:
BULAN
BULAN, KY 41722

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

MAP FINDINGS

Map ID			
Direction			
Distance			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

A1	FRASURE CREEK MINING LLC	NPDES	S109495027
Target	KY 1037 & KY 15		N/A
Property	ARY, KY 41712		

Site 1 of 2 in cluster A

Actual:	NPDES:	
1493 ft.	Name:	FRASURE CREEK MINING LLC
Focus Map:	Address:	KY 1037 & KY 15
4	City,State,Zip:	ARY, KY 41712
	Federal Facility ID:	Not reported
	Facility Status:	ACTIVE
	KY DES #:	KYG045943
	Total App# Design Flow (MGD):	Not reported
	Horizontal Collect Method Desc:	Not reported
	Facility Addr 2:	Not reported
	Inactive Date:	Not reported
	Design Capacity:	Not reported
	Fee Category:	Not reported
	SIC Code:	1221
	Lat/Long:	+3725120 / -08308260
	Lat/Long Method:	Not reported
	USGS Hydrologic Basin Code:	Not reported
	Facility Stream Segment:	Not reported
	Facility Mileage Indicator:	Not reported
	Basin Code:	Not reported
	Basin Code Description:	Not reported
	DMR Contact:	JEFFERY A HOOPS
	Contact Telephone:	3042041455
	Mailing Address:	4978 TEAYS VALLEY RD
	Mailing Address 2:	Not reported
	Mailing City,St,Zip:	SCOTT DEPOT, WV 25560
	Permit Issued:	07/01/2009
	Permit Expires:	07/31/2014
	SIC Code Description:	BITUMINOUS COAL & LIG, SURFACE
	Reveiving Waters:	WILLIAMS FORK
	Major/Minor:	MINOR
	Effective Date:	Not reported
	Affiliation Type Desc:	Not reported
	Organization Formal Name:	Not reported
	Facility Type Desc:	Not reported
	State Facility ID:	Not reported
	Original Issue Date:	Not reported
	Approved For Electronic DMR Submission:	Not reported

A2	ICG HAZARD LLC (813-0413)	FINDS	1018304142
Target	JCT OF KY 1037 & JCT OF KY 15	ECHO	N/A
Property	ARY, KY 41712		

Site 2 of 2 in cluster A

Actual:	FINDS:	
1493 ft.	Registry ID:	110017373894
Focus Map:	Click Here for FRS Facility Detail Report:	
4	Environmental Interest/Information System:	
	US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that	

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ICG HAZARD LLC (813-0413) (Continued)

1018304142

discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1018304142
Registry ID: 110017373894
DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110017373894>
Name: ICG HAZARD LLC (813-0413)
Address: JCT OF KY 1037 & JCT OF KY 15
City,State,Zip: ARY, KY 41712

3
Target
Property

VINLAND ENERGY LLC - STARFIRE COMPRESSOR STATION
STARFIRE HAUL RD
TALCUM, KY 41722

AIRS **S112225949**
N/A

AIRS:

Actual:
1296 ft.
Focus Map:
5

Name: VINLAND ENERGY LLC - STARFIRE COMPRESSOR STATION
Address: STARFIRE HAUL RD
City,State,Zip: TALCUM, KY 41722
Facility: 2111900054
Mailing Address 3: Not reported
Emps: 45
Plant Class Description: X; Minor/All PTE <all major source thrsh
Acreage: 1.00
Alternate Facility Name: Vinland Energy LLC - Starfire Compressor Station
Alternate Facility End Date: Not reported
Principal Product: Natural Gas
State Plant Class Code: X000
DAQ AI Type: MINING-Oil & Gas Extraction (211)
DAQ Reg Comment: Not reported
Mailing Address Line 2: Not reported
Inspector Assigned AI: Mr. Steven Hall
Last Inspection Lead: Corey Hall
Last Inspection Date: 09/09/2022
Air Programs: 0-SIP Source; G-Area Source MACT
Air Subparts: Not Applicable; G-ZZZZ-Recipro. Int. Comb Engine (RICE)

Emission:

Year: 2017
County: Knott
Facility ID: 2111900054
Facility Name: Vinland Energy LLC - Starfire Compressor Station
AI ID: 116526
Pollutant: Acetaldehyde
Actual Emissions: 0

Year: 2017
County: Knott
Facility ID: 2111900054
Facility Name: Vinland Energy LLC - Starfire Compressor Station
AI ID: 116526
Pollutant: Acrolein
Actual Emissions: 0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VINLAND ENERGY LLC - STARFIRE COMPRESSOR STATION (Continued)**S112225949**

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: Benzene
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: Carbon Dioxide
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: CO (Carbon Monoxide)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: Formaldehyde
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: Lead
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: Methane
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: Methanol
 Actual Emissions: 0

Year: 2017

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VINLAND ENERGY LLC - STARFIRE COMPRESSOR STATION (Continued)**S112225949**

County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: NO2 (Nitrogen Dioxide)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: PM10 (Particulate Matter - 10 Microns Or Less)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: PM2.5 (Particulate Matter - 2.5 Microns Or Less)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: PT (Particulate Matter)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: SO2 (Sulfur Dioxide)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: Toluene
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: VOC (Volatile Organic Compounds)
 Actual Emissions: 0

Year: 2017
 County: Knott

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

VINLAND ENERGY LLC - STARFIRE COMPRESSOR STATION (Continued)

S112225949

Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	Xylenes (Total)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2014
County:	Knott
Facility ID:	2111900054

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VINLAND ENERGY LLC - STARFIRE COMPRESSOR STATION (Continued)

S112225949

Facility Name: CGI Hayden Harper Energy Co - Starfire Compressor Station
 AI ID: 116526
 Pollutant: CO (Carbon Monoxide)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900054
 Facility Name: CGI Hayden Harper Energy Co - Starfire Compressor Station
 AI ID: 116526
 Pollutant: NO2 (Nitrogen Dioxide)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900054
 Facility Name: CGI Hayden Harper Energy Co - Starfire Compressor Station
 AI ID: 116526
 Pollutant: PM10 (Particulate Matter - 10 Microns Or Less)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900054
 Facility Name: CGI Hayden Harper Energy Co - Starfire Compressor Station
 AI ID: 116526
 Pollutant: PT (Particulate Matter)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900054
 Facility Name: CGI Hayden Harper Energy Co - Starfire Compressor Station
 AI ID: 116526
 Pollutant: SO2 (Sulfur Dioxide)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900054
 Facility Name: CGI Hayden Harper Energy Co - Starfire Compressor Station
 AI ID: 116526
 Pollutant: VOC (Volatile Organic Compounds)
 Actual Emissions: 0

Year: 2016
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station
 AI ID: 116526
 Pollutant: CO (Carbon Monoxide)
 Actual Emissions: 0

Year: 2016
 County: Knott
 Facility ID: 2111900054
 Facility Name: Vinland Energy LLC - Starfire Compressor Station

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VINLAND ENERGY LLC - STARFIRE COMPRESSOR STATION (Continued)**S112225949**

AI ID:	116526
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VINLAND ENERGY LLC - STARFIRE COMPRESSOR STATION (Continued)**S112225949**

Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900054
Facility Name:	Vinland Energy LLC - Starfire Compressor Station
AI ID:	116526
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900054
Facility Name:	CGI Hayden Harper Energy Co - Starfire Compressor Station
AI ID:	116526
Pollutant:	PT (Particulate Matter)

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
 EPA ID Number

VINLAND ENERGY LLC - STARFIRE COMPRESSOR STATION (Continued)

S112225949

Actual Emissions: 0

Year: 2013
 County: Knott
 Facility ID: 2111900054
 Facility Name: CGI Hayden Harper Energy Co - Starfire Compressor Station
 AI ID: 116526
 Pollutant: SO2 (Sulfur Dioxide)
 Actual Emissions: 0

Year: 2013
 County: Knott
 Facility ID: 2111900054
 Facility Name: CGI Hayden Harper Energy Co - Starfire Compressor Station
 AI ID: 116526
 Pollutant: VOC (Volatile Organic Compounds)
 Actual Emissions: 0

4 CORE APPALACHIA OPERATING LLC - HENRY SCHMIDT 3 PA
Target KY 1098
Property VEST, KY 41722

AIRS S121055361
N/A

Actual: 1379 ft.
Focus Map: 6

AIRS:
 Name: CORE APPALACHIA OPERATING LLC - HENRY SCHMIDT 3 PAD
 Address: KY 1098
 City,State,Zip: VEST, KY 41722
 Facility: 2111900062
 Mailing Address 3: Not reported
 Emps: 1
 Plant Class Description: R; Registered Source
 Acreage: 1.00
 Alternate Facility Name: Core Appalachia Operating LLC - Henry Schmidt 3 Pad
 Alternate Facility End Date: 08/03/2022
 Principal Product: Natural Gas
 State Plant Class Code: R000
 DAQ AI Type: MINING-Oil & Gas Extraction (211)
 DAQ Reg Comment: Not reported
 Mailing Address Line 2: Not reported
 Inspector Assigned AI: Mr. Steven Hall
 Last Inspection Lead: Corey Hall
 Last Inspection Date: 06/24/2022
 Air Programs: 0-SIP Source; G-Area Source MACT
 Air Subparts: Not Applicable; G-ZZZZ-Recipro. Int. Comb Engine (RICE)

Emission:
 Year: 2017
 County: Knott
 Facility ID: 2111900062
 Facility Name: Core Appalachia Operating LLC - Henry Schmidt 3 Pad
 AI ID: 120026
 Pollutant: Acetaldehyde
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900062
 Facility Name: Core Appalachia Operating LLC - Henry Schmidt 3 Pad

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CORE APPALACHIA OPERATING LLC - HENRY SCHMIDT 3 PAD (Continued)**S121055361**

AI ID:	120026
Pollutant:	Acrolein
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	Benzene
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	Carbon Dioxide
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	Ethylbenzene
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	Formaldehyde
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	Hexane; N-Hexane
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CORE APPALACHIA OPERATING LLC - HENRY SCHMIDT 3 PAD (Continued)**S121055361**

Pollutant:	Methane
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	Methanol
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	Nitrous Oxide
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	PM2.5 (Particulate Matter - 2.5 Microns Or Less)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	SO2 (Sulfur Dioxide)

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

CORE APPALACHIA OPERATING LLC - HENRY SCHMIDT 3 PAD (Continued)

S121055361

Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	Toluene
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	Xylenes (Total)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900062
Facility Name:	Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900062
Facility Name:	Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900062
Facility Name:	Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900062
Facility Name:	Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CORE APPALACHIA OPERATING LLC - HENRY SCHMIDT 3 PAD (Continued)**S121055361**

Year: 2015
 County: Knott
 Facility ID: 2111900062
 Facility Name: Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
 AI ID: 120026
 Pollutant: SO2 (Sulfur Dioxide)
 Actual Emissions: 0

Year: 2015
 County: Knott
 Facility ID: 2111900062
 Facility Name: Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
 AI ID: 120026
 Pollutant: VOC (Volatile Organic Compounds)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900062
 Facility Name: Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
 AI ID: 120026
 Pollutant: CO (Carbon Monoxide)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900062
 Facility Name: Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
 AI ID: 120026
 Pollutant: NO2 (Nitrogen Dioxide)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900062
 Facility Name: Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
 AI ID: 120026
 Pollutant: PM10 (Particulate Matter - 10 Microns Or Less)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900062
 Facility Name: Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
 AI ID: 120026
 Pollutant: PT (Particulate Matter)
 Actual Emissions: 0

Year: 2014
 County: Knott
 Facility ID: 2111900062
 Facility Name: Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
 AI ID: 120026
 Pollutant: SO2 (Sulfur Dioxide)
 Actual Emissions: 0

Year: 2014

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CORE APPALACHIA OPERATING LLC - HENRY SCHMIDT 3 PAD (Continued)

S121055361

County:	Knott
Facility ID:	2111900062
Facility Name:	Chesapeake Appalachia LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2020
County:	Knott

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

CORE APPALACHIA OPERATING LLC - HENRY SCHMIDT 3 PAD (Continued)

S121055361

Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900062
Facility Name:	Core Appalachia Operating LLC - Henry Schmidt 3 Pad
AI ID:	120026
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0

5
Target
Property **PERRY (County), KY**

SPILLS **S117101028**
 N/A

Actual: **SPILLS:**
1362 ft. Name: Not reported
Focus Map: Address: Not reported
5 City,State,Zip: KY
 Facility Status: Env. Closed
 Incident Type: LEAKING TANK
 Program Code: 08

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)**S117101028**

Received By Staff:	Rader, Andrea
Received Date:	Not reported
Report Date:	2006-05-11 14:42:10
Dispatch Description:	Leaking above ground diesel tanks.
Source Name:	Star Fire Mining Preparation Plant (AI ID: 2531)
Source Address:	Old Stare Fire Surface Mine. Take Rt. 476 towards Rowdy. Turn right at Chaney's Restaurant onto Ball Creek. Entrance is on the left. Go thru guard gate and first big open field with AST is release site. Other AST's are located near the old goose pond and are also leaking.
Substances:	Diesel:
Other Substances Desc:	Not reported
Media Impacted:	Solid Waste
Inc ID:	208168
Lead Invest Person ID:	9448
Compliance:	Yes
Notification:	No
Priority:	Routine
Incident End Date:	Not reported
Follow Up Priority Desc:	Not reported
Most Recent Comp Eval Activity:	AI: 2531 CIV20060002
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:	Not reported
Waterbody:	Not reported
Latitude:	37.41100
Longitude:	-83.11100
Name:	Not reported
Address:	Not reported
City,State,Zip:	KY
Facility Status:	Env. Closed
Incident Type:	LEAKING TANK
Program Code:	08
Received By Staff:	Rader, Andrea
Received Date:	Not reported
Report Date:	2006-05-11 14:42:10
Dispatch Description:	Leaking above ground diesel tanks.
Source Name:	Star Fire Mining Preparation Plant (AI ID: 2531)
Source Address:	Old Stare Fire Surface Mine. Take Rt. 476 towards Rowdy. Turn right at Chaney's Restaurant onto Ball Creek. Entrance is on the left. Go thru guard gate and first big open field with AST is release site. Other AST's are located near the old goose pond and are also leaking.
Substances:	Diesel:
Other Substances Desc:	Not reported
Media Impacted:	Solid Waste
Inc ID:	208168
Lead Invest Person ID:	9448
Compliance:	Yes
Notification:	No
Priority:	Routine
Incident End Date:	Not reported
Follow Up Priority Desc:	Not reported
Most Recent Comp Eval Activity:	AI: 2531 CIV20060002
Most Recent ENF Activity:	Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

S117101028

Begin Emergency Date: Not reported
 End Emergency Date: Not reported
 MARS Function Code: Not reported
 Locked: Yes
 Closure Type Desc: Not reported
 Waterbody: Not reported
 Latitude: 37.41100
 Longitude: -83.11100

B6 LIBERTY MANAGEMENT LLC (860-9021)
Target LOST MOUNTAIN RD
Property ARY, KY 41712

FINDS 1018294342
ECHO N/A

Site 1 of 3 in cluster B

Actual: FINDS:
1195 ft. Registry ID: 110009013110

Focus Map: Click Here for FRS Facility Detail Report:
5

Environmental Interest/Information System:

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1018294342
 Registry ID: 110009013110
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110009013110>
 Name: LIBERTY MANAGEMENT LLC (860-9021)
 Address: LOST MOUNTAIN RD
 City,State,Zip: ARY, KY 41712

B7 LIBERTY MANAGEMENT LLC - PREPARATION PLANT & WASHE
Target LOST MOUNTAIN RD
Property ARY, KY 41712

AIRS S109578203
NPDES N/A

Site 2 of 3 in cluster B

Actual: AIRS:
1195 ft. Name: LIBERTY MANAGEMENT LLC - PREPARATION PLANT & WASHER
Focus Map: Address: LOST MOUNTAIN RD
5 City,State,Zip: ARY, KY 41712
 Facility: 2111900034
 Mailing Address 3: Not reported
 Emps: 5
 Plant Class Description: X; Minor/All PTE <all major source thrsh
 Acreage: 19.80
 Alternate Facility Name: Liberty Management LLC - Preparation Plant & Washer

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LIBERTY MANAGEMENT LLC - PREPARATION PLANT & WASHER (Continued)**S109578203**

Alternate Facility End Date: 08/23/2017
 Principal Product: COAL
 State Plant Class Code: X000
 DAQ AI Type: MINING-Coal Mining (2121)
 DAQ Reg Comment: Not reported
 Mailing Address Line 2: Not reported
 Inspector Assigned AI: Mr. Rich McCune
 Last Inspection Lead: Corey Hall
 Last Inspection Date: 06/17/2016
 Air Programs: 0-SIP Source; 9-NSPS
 Air Subparts: Not Applicable; 9-Y-Coal Preparation Plants

Emission:

Year: 2011
 County: Knott
 Facility ID: 2111900034
 Facility Name: Frasure Creek Mining LLC - Talcum Prep Plant
 AI ID: 2531
 Pollutant: PM10 (Particulate Matter - 10 Microns Or Less)
 Actual Emissions: 10.33982417

Year: 2011
 County: Knott
 Facility ID: 2111900034
 Facility Name: Frasure Creek Mining LLC - Talcum Prep Plant
 AI ID: 2531
 Pollutant: PT (Particulate Matter)
 Actual Emissions: 28.027172220000001

Year: 2013
 County: Knott
 Facility ID: 2111900034
 Facility Name: Frasure Creek Mining LLC - Talcum Prep Plant
 AI ID: 2531
 Pollutant: PM10 (Particulate Matter - 10 Microns Or Less)
 Actual Emissions: 0

Year: 2013
 County: Knott
 Facility ID: 2111900034
 Facility Name: Frasure Creek Mining LLC - Talcum Prep Plant
 AI ID: 2531
 Pollutant: PT (Particulate Matter)
 Actual Emissions: 0

Year: 2015
 County: Knott
 Facility ID: 2111900034
 Facility Name: Liberty Management LLC - Preparation Plant & Washer
 AI ID: 2531
 Pollutant: PM10 (Particulate Matter - 10 Microns Or Less)
 Actual Emissions: 0

Year: 2015
 County: Knott
 Facility ID: 2111900034
 Facility Name: Liberty Management LLC - Preparation Plant & Washer
 AI ID: 2531

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LIBERTY MANAGEMENT LLC - PREPARATION PLANT & WASHER (Continued)**S109578203**

Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2010
County:	Knott
Facility ID:	2111900034
Facility Name:	Frasure Creek Mining LLC (860-9014)
AI ID:	2531
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	15.236465720000002
Year:	2010
County:	Knott
Facility ID:	2111900034
Facility Name:	Frasure Creek Mining LLC (860-9014)
AI ID:	2531
Pollutant:	PT (Particulate Matter)
Actual Emissions:	41.020824149999996
Year:	2012
County:	Knott
Facility ID:	2111900034
Facility Name:	Frasure Creek Mining LLC - Talcum Prep Plant
AI ID:	2531
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	2.00944872
Year:	2012
County:	Knott
Facility ID:	2111900034
Facility Name:	Frasure Creek Mining LLC - Talcum Prep Plant
AI ID:	2531
Pollutant:	PT (Particulate Matter)
Actual Emissions:	5.4650454699999997
Year:	2014
County:	Knott
Facility ID:	2111900034
Facility Name:	Frasure Creek Mining LLC - Talcum Prep Plant
AI ID:	2531
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2014
County:	Knott
Facility ID:	2111900034
Facility Name:	Frasure Creek Mining LLC - Talcum Prep Plant
AI ID:	2531
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900034
Facility Name:	Liberty Management LLC - Preparation Plant & Washer
AI ID:	2531
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

LIBERTY MANAGEMENT LLC - PREPARATION PLANT & WASHER (Continued)**S109578203**

Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900034
Facility Name:	Liberty Management LLC - Preparation Plant & Washer
AI ID:	2531
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0

NPDES:

Name:	LIBERTY MANAGEMENT LLC - PREPARATION PLANT & WASHER
Address:	LOST MOUNTAIN RD
City,State,Zip:	ARY, KY 41712
Federal Facility ID:	Not reported
Facility Status:	Effective
KY DES #:	KYGE41033
Total App# Design Flow (MGD):	Not reported
Horizontal Collect Method Desc:	Not reported
Facility Addr 2:	Not reported
Inactive Date:	Not reported
Design Capacity:	Not reported
Fee Category:	Not reported
SIC Code:	1221
Lat/Long:	37.409167 / -83.116944
Lat/Long Method:	Not reported
USGS Hydrologic Basin Code:	Not reported
Facility Stream Segment:	Not reported
Facility Mileage Indicator:	Not reported
Basin Code:	Not reported
Basin Code Description:	Not reported
DMR Contact:	Gary Ridings
Contact Telephone:	606-794-4442
Mailing Address:	PO Box 100
Mailing Address 2:	Not reported
Mailing City,St,Zip:	Ary, KY 41712
Permit Issued:	05/26/2020
Permit Expires:	09/30/2024
SIC Code Description:	Bituminous Coal And Lignite - Surface
Reveiving Waters:	Not reported
Major/Minor:	Minor
Effective Date:	06/01/2020
Affiliation Type Desc:	PMA
Organization Formal Name:	Liberty Management LLC - Preparation Plant & Washer
Facility Type Desc:	Not reported
State Facility ID:	2531
Original Issue Date:	10/19/2016
Approved For Electronic DMR Submission:	Yes

MAP FINDINGS

Map ID			
Direction			
Distance			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

B8	FRASURE CREEK MINING LLC #6	NPDES	S109495029
Target	LICK BRANCH OF BALLS FORK		N/A
Property	ARY, KY 41712		

Site 3 of 3 in cluster B

Actual:	NPDES:	
1195 ft.	Name:	FRASURE CREEK MINING LLC #6
Focus Map:	Address:	LICK BRANCH OF BALLS FORK
5	City,State,Zip:	ARY, KY 41712
	Federal Facility ID:	Not reported
	Facility Status:	ACTIVE
	KY DES #:	KY0101761
	Total App# Design Flow (MGD):	Not reported
	Horizontal Collect Method Desc:	Not reported
	Facility Addr 2:	OFF HWY 1087
	Inactive Date:	Not reported
	Design Capacity:	Not reported
	Fee Category:	MAJIND
	SIC Code:	1241
	Lat/Long:	+3724330 / -08307010
	Lat/Long Method:	A
	USGS Hydrologic Basin Code:	05100201
	Facility Stream Segment:	Not reported
	Facility Mileage Indicator:	Not reported
	Basin Code:	0514
	Basin Code Description:	OR/KENTUCKY R.
	DMR Contact:	JEFFERY A HOOPS, PRES
	Contact Telephone:	3042041455
	Mailing Address:	4978 TEAYS VALLEY RD
	Mailing Address 2:	Not reported
	Mailing City,St,Zip:	SCOTT DEPOT, WV 25560
	Permit Issued:	08/10/2009
	Permit Expires:	09/30/2014
	SIC Code Description:	COAL MINING SERVICE
	Reveiving Waters:	KITCHEN FORK / LICK BR
	Major/Minor:	MINOR
	Effective Date:	Not reported
	Affiliation Type Desc:	Not reported
	Organization Formal Name:	Not reported
	Facility Type Desc:	Not reported
	State Facility ID:	Not reported
	Original Issue Date:	Not reported
	Approved For Electronic DMR Submission:	Not reported

9	LITTLE ELK MINING CO LLC 207	FINDS	1016365311
Target	CAMP CREEK RD		N/A
Property	NOBLE, KY 41356		

FINDS:
Registry ID: 110045176938

Actual:
1355 ft. [Click Here for FRS Facility Detail Report:](#)

Focus Map:
5 Environmental Interest/Information System:
STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

C10	JOB #5	ABANDONED MINES	1022852771
Target	MILL CREEK		N/A
Property	CRANKS, KY 40820		

Site 1 of 6 in cluster C

Actual:	ABANDONED MINES:	
1360 ft.	Mine ID:	1519171
Focus Map:	Mine Name:	JOB #5
4	Mine Address:	MILL CREEK
	City,State,Zip:	CRANKS, KY 40820
	Primary SIC Code:	Coal (Bituminous)
	Mine Type:	Surface
	Mine Status Description:	Abandoned
	Mine Status Date:	3/9/2016
	Coal (C) or Metal (M) Mine:	C
	Controller ID:	0171761
	Controller Name:	James C Justice III
	Operator ID:	P21141
	Operator name:	A & G Coal Corporation
	Address of Record Street:	6250 Hurricane Road
	Address of Record PO Box:	Not reported
	Address of Record City:	Wise
	Address of Record State:	KY
	Address of Record Zip Code:	40820
	Assessment Address Street:	6250 Hurricane Road
	Assessment Address PO Box:	Not reported
	Assessment Address City:	Wise
	Assessment Address State:	KY
	Assessment Address Zip Code:	40820
	Mine Health and Safety Address Street:	Not reported
	Mine Health and Safety Address PO Box:	1010
	Mine Health and Safety Address City:	WISE
	Mine Health and Safety Address State:	KY
	Mine Health and Safety Address Zip Code:	Not reported
	Latitude:	36.765
	Longitude:	-83.144167
	Mine ID:	1513132
	Mine Name:	JOB 5 DRAGLINE
	Mine Address:	Not reported
	City,State,Zip:	KY 41722
	Primary SIC Code:	Coal (Bituminous)
	Mine Type:	Surface
	Mine Status Description:	Abandoned
	Mine Status Date:	6/19/1987
	Coal (C) or Metal (M) Mine:	C
	Controller ID:	C06148
	Controller Name:	Cyprus Amax Minerals Company
	Operator ID:	P07490
	Operator name:	Star Fire Mining Company
	Address of Record Street:	Not reported
	Address of Record PO Box:	423
	Address of Record City:	BULAN
	Address of Record State:	KY
	Address of Record Zip Code:	41722
	Assessment Address Street:	Not reported
	Assessment Address PO Box:	423
	Assessment Address City:	BULAN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JOB #5 (Continued)

1022852771

Assessment Address State: KY
Assessment Address Zip Code: 41722
Mine Health and Safety Address Street: Not reported
Mine Health and Safety Address PO Box: 423
Mine Health and Safety Address City: Bulan
Mine Health and Safety Address State: KY
Mine Health and Safety Address Zip Code: Not reported
Latitude: 37.4069
Longitude: -83.1389

C11
Target
Property

#1 SURFACE MINE

, KY 41722

ABANDONED MINES

1022846847
N/A

Site 2 of 6 in cluster C

Actual:
1360 ft.

Focus Map:
4

ABANDONED MINES:

Mine ID: 1504288
Mine Name: #1 SURFACE MINE
Mine Address: Not reported
City,State,Zip: KY 41722
Primary SIC Code: Coal (Bituminous)
Mine Type: Surface
Mine Status Description: Abandoned
Mine Status Date: 6/19/1987
Coal (C) or Metal (M) Mine: C
Controller ID: C06148
Controller Name: Cyprus Amax Minerals Company
Operator ID: P07490
Operator name: Star Fire Mining Company
Address of Record Street: Not reported
Address of Record PO Box: 423
Address of Record City: BULAN
Address of Record State: KY
Address of Record Zip Code: 41722
Assessment Address Street: Not reported
Assessment Address PO Box: 423
Assessment Address City: BULAN
Assessment Address State: KY
Assessment Address Zip Code: 41722
Mine Health and Safety Address Street: Not reported
Mine Health and Safety Address PO Box: 423
Mine Health and Safety Address City: Bulan
Mine Health and Safety Address State: KY
Mine Health and Safety Address Zip Code: Not reported
Latitude: 37.4069
Longitude: -83.1389

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

C12	#2 SURFACE MINE	ABANDONED MINES	1022851167
Target			N/A
Property	, KY 41722		

Site 3 of 6 in cluster C

Actual:	ABANDONED MINES:
1360 ft.	Mine ID: 1511486
Focus Map:	Mine Name: #2 SURFACE MINE
4	Mine Address: Not reported
	City, State, Zip: KY 41722
	Primary SIC Code: Coal (Bituminous)
	Mine Type: Surface
	Mine Status Description: Abandoned
	Mine Status Date: 6/19/1987
	Coal (C) or Metal (M) Mine: C
	Controller ID: C06148
	Controller Name: Cyprus Amax Minerals Company
	Operator ID: P07490
	Operator name: Star Fire Mining Company
	Address of Record Street: Not reported
	Address of Record PO Box: 423
	Address of Record City: BULAN
	Address of Record State: KY
	Address of Record Zip Code: 41722
	Assessment Address Street: Not reported
	Assessment Address PO Box: 423
	Assessment Address City: BULAN
	Assessment Address State: KY
	Assessment Address Zip Code: 41722
	Mine Health and Safety Address Street: Not reported
	Mine Health and Safety Address PO Box: 423
	Mine Health and Safety Address City: Bulan
	Mine Health and Safety Address State: KY
	Mine Health and Safety Address Zip Code: Not reported
	Latitude: 37.4069
	Longitude: -83.1389

C13	STAR FIRE MINING COMPANY	US MINES	1011155077
Target			N/A
Property	PERRY (County), KY		

Site 4 of 6 in cluster C

Actual:	US MINES:
1396 ft.	Sic Code(s): 122200
Focus Map:	Sic Code(s): 000000
4	Sic Code(s): 000000
	Sic Code(s): 000000
	Sic Code(s): 000000
	Sic Code(s): 000000
	Mine ID: 1504288
	Entity Name: #1 SURFACE MINE
	Company: STAR FIRE MINING COMPANY
	Status: Permanently Closed
	Status Date: 19870619
	Operation Class: 1
	Number of Shops: 0
	Number of Plants: 0
	Latitude Degree: 37

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

STAR FIRE MINING COMPANY (Continued)

1011155077

Longitude Degree: 083
 Latitude Minute: 24
 Latitude Seconds: 24
 Longitude Minutes: 08
 Longitude Seconds: 20
 Number of Pits: 000

C14 STAR FIRE MINING COMPANY
Target
Property PERRY (County), KY

US MINES 1016482376
N/A

Site 5 of 6 in cluster C

Actual: US MINES:
1396 ft. Sic Code(s): 122200
Focus Map: Sic Code(s): 000000
4 Sic Code(s): 000000
 Sic Code(s): 000000
 Sic Code(s): 000000
 Sic Code(s): 000000
 Mine ID: 1511486
 Entity Name: #2 SURFACE MINE
 Company: STAR FIRE MINING COMPANY
 Status: Permanently Closed
 Status Date: 19870619
 Operation Class: 1
 Number of Shops: 0
 Number of Plants: 0
 Latitude Degree: 37
 Longitude Degree: 083
 Latitude Minute: 24
 Latitude Seconds: 24
 Longitude Minutes: 08
 Longitude Seconds: 20
 Number of Pits: 000

C15 STAR FIRE MINING COMPANY
Target
Property PERRY (County), KY

US MINES 1016482818
N/A

Site 6 of 6 in cluster C

Actual: US MINES:
1396 ft. Sic Code(s): 122200
Focus Map: Sic Code(s): 000000
4 Sic Code(s): 000000
 Sic Code(s): 000000
 Sic Code(s): 000000
 Sic Code(s): 000000
 Mine ID: 1513132
 Entity Name: JOB 5 DRAGLINE
 Company: STAR FIRE MINING COMPANY
 Status: Permanently Closed
 Status Date: 19870619
 Operation Class: 1
 Number of Shops: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

STAR FIRE MINING COMPANY (Continued)**1016482818**

Number of Plants:	0
Latitude Degree:	37
Longitude Degree:	083
Latitude Minute:	24
Latitude Seconds:	24
Longitude Minutes:	08
Longitude Seconds:	20
Number of Pits:	000

D16 **#3 SURFACE MINE**
Target
Property , KY 41722

ABANDONED MINES **1022851125**
N/A

Site 1 of 4 in cluster D

Actual: 1411 ft.	ABANDONED MINES:	
Focus Map: 4	Mine ID:	1511444
	Mine Name:	#3 SURFACE MINE
	Mine Address:	Not reported
	City,State,Zip:	KY 41722
	Primary SIC Code:	Coal (Bituminous)
	Mine Type:	Surface
	Mine Status Description:	Abandoned
	Mine Status Date:	6/19/1987
	Coal (C) or Metal (M) Mine:	C
	Controller ID:	C06148
	Controller Name:	Cyprus Amax Minerals Company
	Operator ID:	P07490
	Operator name:	Star Fire Mining Company
	Address of Record Street:	Not reported
	Address of Record PO Box:	423
	Address of Record City:	BULAN
	Address of Record State:	KY
	Address of Record Zip Code:	41722
	Assessment Address Street:	Not reported
	Assessment Address PO Box:	423
	Assessment Address City:	BULAN
	Assessment Address State:	KY
	Assessment Address Zip Code:	41722
	Mine Health and Safety Address Street:	Not reported
	Mine Health and Safety Address PO Box:	423
	Mine Health and Safety Address City:	Bulan
	Mine Health and Safety Address State:	KY
	Mine Health and Safety Address Zip Code:	Not reported
	Latitude:	37.4061
	Longitude:	-83.1389

MAP FINDINGS

Map ID			
Direction			
Distance			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

D17	STAR FIRE MINING COMPANY	US MINES	1016482366
Target			N/A
Property	PERRY (County), KY		

Site 2 of 4 in cluster D

Actual:	US MINES:	
1396 ft.	Sic Code(s):	122200
Focus Map:	Sic Code(s):	000000
4	Sic Code(s):	000000
	Sic Code(s):	000000
	Sic Code(s):	000000
	Sic Code(s):	000000
	Mine ID:	1511444
	Entity Name:	#3 SURFACE MINE
	Company:	STAR FIRE MINING COMPANY
	Status:	Permanently Closed
	Status Date:	19870619
	Operation Class:	1
	Number of Shops:	0
	Number of Plants:	0
	Latitude Degree:	37
	Longitude Degree:	083
	Latitude Minute:	24
	Latitude Seconds:	21
	Longitude Minutes:	08
	Longitude Seconds:	20
	Number of Pits:	000

D18	#4 SURFACE MINE	ABANDONED MINES	1022851077
Target			N/A
Property	, KY 41722		

Site 3 of 4 in cluster D

Actual:	ABANDONED MINES:	
1397 ft.	Mine ID:	1511394
Focus Map:	Mine Name:	#4 SURFACE MINE
4	Mine Address:	Not reported
	City,State,Zip:	KY 41722
	Primary SIC Code:	Coal (Bituminous)
	Mine Type:	Surface
	Mine Status Description:	Abandoned
	Mine Status Date:	6/19/1987
	Coal (C) or Metal (M) Mine:	C
	Controller ID:	C06148
	Controller Name:	Cyprus Amax Minerals Company
	Operator ID:	P07490
	Operator name:	Star Fire Mining Company
	Address of Record Street:	Not reported
	Address of Record PO Box:	423
	Address of Record City:	BULAN
	Address of Record State:	KY
	Address of Record Zip Code:	41722
	Assessment Address Street:	Not reported
	Assessment Address PO Box:	423
	Assessment Address City:	BULAN
	Assessment Address State:	KY
	Assessment Address Zip Code:	41722
	Mine Health and Safety Address Street:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

#4 SURFACE MINE (Continued)

1022851077

Mine Health and Safety Address PO Box: 423
 Mine Health and Safety Address City: Bulan
 Mine Health and Safety Address State: KY
 Mine Health and Safety Address Zip Code: Not reported
 Latitude: 37.4058
 Longitude: -83.1389

D19 STAR FIRE MINING COMPANY
Target
Property PERRY (County), KY

US MINES 1016482356
N/A

Site 4 of 4 in cluster D

Actual: US MINES:
1406 ft. Sic Code(s): 122200
Focus Map: Sic Code(s): 000000
4 Sic Code(s): 000000
 Sic Code(s): 000000
 Sic Code(s): 000000
 Sic Code(s): 000000
 Mine ID: 1511394
 Entity Name: #4 SURFACE MINE
 Company: STAR FIRE MINING COMPANY
 Status: Permanently Closed
 Status Date: 19870619
 Operation Class: 1
 Number of Shops: 0
 Number of Plants: 0
 Latitude Degree: 37
 Longitude Degree: 083
 Latitude Minute: 24
 Latitude Seconds: 20
 Longitude Minutes: 08
 Longitude Seconds: 20
 Number of Pits: 000

E20 ICG HAZARD LLC (813-0412)
Target LOST MOUNTAIN RD
Property ARY, KY 41722

ECHO 1018299630
N/A

Site 1 of 3 in cluster E

Actual: ECHO:
1322 ft. Envid: 1018299630
Focus Map: Registry ID: 110011219537
5 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110011219537>
 Name: ICG HAZARD LLC (813-0412)
 Address: LOST MOUNTAIN RD
 City,State,Zip: ARY, KY 41722

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

E21		SPILLS	S117158577
Target			N/A
Property	TALCUM, KY		

Site 2 of 3 in cluster E

Actual:	SPILLS:	
1322 ft.	Name:	Not reported
Focus Map:	Address:	Not reported
5	City,State,Zip:	TALCUM, KY
	Facility Status:	Env. Closed
	Incident Type:	AIR RELEASE, FUGITIVE EMISSIONS
	Program Code:	01
	Received By Staff:	McCune, Rich
	Received Date:	01/29/2010
	Report Date:	2010-02-01 10:55:17
	Dispatch Description:	Tracking mud/dust onto Hwy 80 at Knott/Perry county line.
	Source Name:	Frasure Creek Mining LLC (813-0321) (AI ID: 12322)
	Source Address:	Knott/Perry county line. Coal company tracking dust/mud onto Hwy 80.
	Substances:	Not reported
	Other Substances Desc:	Not reported
	Media Impacted:	Air
	Inc ID:	2307447
	Lead Invest Person ID:	7112
	Compliance:	Yes
	Notification:	No
	Priority:	Routine
	Incident End Date:	2010-02-01 00:00:00
	Follow Up Priority Desc:	Routine
	Most Recent Comp Eval Activity:	AI: 12322 CIV20100001
	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-No Action Necessary
	Waterbody:	Not reported
	Latitude:	37.40555
	Longitude:	-83.12333

E22	ICG HAZARD LLC (813-0412)	NPDES	S118374920
Target	LOST MOUNTAIN RD		N/A
Property	ARY, KY 41722		

Site 3 of 3 in cluster E

Actual:	NPDES:	
1328 ft.	Name:	ICG HAZARD LLC (813-0412)
Focus Map:	Address:	LOST MOUNTAIN RD
5	City,State,Zip:	ARY, KY 41722
	Federal Facility ID:	Not reported
	Facility Status:	Terminated
	KY DES #:	KYGE40509
	Total App# Design Flow (MGD):	Not reported
	Horizontal Collect Method Desc:	Not reported
	Facility Addr 2:	Not reported
	Inactive Date:	12/16/2016
	Design Capacity:	Not reported
	Fee Category:	Not reported
	SIC Code:	1221

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

ICG HAZARD LLC (813-0412) (Continued)

S118374920

Lat/Long: 37.405556 / -83.123333
 Lat/Long Method: Not reported
 USGS Hydrologic Basin Code: 027
 Facility Stream Segment: Not reported
 Facility Mileage Indicator: Not reported
 Basin Code: Not reported
 Basin Code Description: Not reported
 DMR Contact: D. Edward Brown
 Contact Telephone: 859-543-0515
 Mailing Address: 3228 Summit Square PI Ste 180
 Mailing Address 2: Not reported
 Mailing City, St, Zip: Lexington, KY 40509
 Permit Issued: 11/11/2015
 Permit Expires: 09/30/2019
 SIC Code Description: Bituminous Coal And Lignite - Surface
 Reveiving Waters: Not reported
 Major/Minor: Minor
 Effective Date: 12/01/2015
 Affiliation Type Desc: PMA
 Organization Formal Name: ICG Hazard LLC (813-0412)
 Facility Type Desc: Privately Owned Facility
 State Facility ID: 12322
 Original Issue Date: 11/11/2015
 Approved For Electronic DMR Submission: Yes

23 SOUTHERN APPLACHIAN REALTY, INC # SB-51
Target NONE
Property NONE, KY 00000

FINDS 1015976417
N/A

FINDS:
 Registry ID: 110045172059

Actual: 1242 ft. [Click Here for FRS Facility Detail Report:](#)

Focus Map: 8 Environmental Interest/Information System:
 STATE MASTER

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

24 CYPRUS MOUNTAIN COALS CORPORATION
Target HIGHAY 1087
Property ARY, KY 41712

FINDS 1016190848
ECHO N/A

FINDS:
 Registry ID: 110003223182

Actual: 992 ft. [Click Here for FRS Facility Detail Report:](#)

Focus Map: 8 Environmental Interest/Information System:
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

CYPRUS MOUNTAIN COALS CORPORATION (Continued)

1016190848

[Click this hyperlink](#) while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid: 1016190848
 Registry ID: 110003223182
 DFR URL: <http://echo.epa.gov/detailed-facility-report?fid=110003223182>
 Name: CYPRUS MOUNTAIN COALS CORPORATION
 Address: HIGHAY 1087
 City,State,Zip: ARY, KY 41712

25
NNE
< 1/8
0.035 mi.
187 ft.

KY MOUNTAIN POWER LLC
6626 W KY 80
TALCUM, KY 41722

SWF/LF **S107865850**
AIRS **N/A**
COAL ASH

Actual:
1406 ft.
Focus Map:
5

LF:

Name: KY MOUNTAIN POWER ASH DISPOSAL FACILITY
 Address: 6626 W KY 80
 City,State,Zip: TALCUM, KY 41722
 Facility ID: 43705
 Status: Terminated
 Permit Number: 06000013
 SI ID: ACTV0000000001
 SI Designation: Special Waste Landfill
 AI Name: KY Mountain Power Ash Disposal Facility
 Rel Entity ID: Not reported
 Facility Type: Special Waste Landfill-Coal
 Latitude: 37.40073900
 Longitude: -83.10509700
 Permittee city/state/zip: TALCUM, KY 41722
 Permit expired date: Not reported
 Related Entity Name: Not reported
 Related Entity Address1: Not reported
 Related Entity Address2: Not reported
 Related Entity Municipality: Not reported
 Related Entity State: Not reported
 Related Entity Zip: Not reported
 Related Entity Type: Not reported
 SI Description: Special Waste Landfill - TERMINATED
 Date Last Site Insp.: Not reported
 Last Inspector: Not reported
 Related Entity Specific Type: Not reported

AIRS:

Name: KY MOUNTAIN POWER LLC
 Address: 6626 W KY 80
 City,State,Zip: TALCUM, KY 41722
 Facility: 2111900037
 Mailing Address 3: Not reported
 Emps: 40
 Plant Class Description: P1; PSD>100TYCrT, 10TYIndHAP, 25TYCmbHAP
 Acreage: 578.0
 Alternate Facility Name: Kentucky Mountain Power LLC
 Alternate Facility End Date: 05/15/2008
 Principal Product: ELECTRICITY

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850**

State Plant Class Code: P100
 DAQ AI Type: ENERGY-Elec Power Trans, Control, & Distr (22112)
 DAQ Reg Comment: Not reported
 Mailing Address Line 2: Not reported
 Inspector Assigned AI: Mr. Rich McCune
 Last Inspection Lead: Corey Hall
 Last Inspection Date: 12/16/2020
 Air Programs: 6-PSD
 Air Subparts: Not Applicable

Emission:

Year: 2011
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: CO (Carbon Monoxide)
 Actual Emissions: 0

Year: 2011
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: NO2 (Nitrogen Dioxide)
 Actual Emissions: 0

Year: 2011
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: PM10 (Particulate Matter - 10 Microns Or Less)
 Actual Emissions: 0

Year: 2011
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: PT (Particulate Matter)
 Actual Emissions: 0

Year: 2011
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: SO2 (Sulfur Dioxide)
 Actual Emissions: 0

Year: 2011
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: VOC (Volatile Organic Compounds)
 Actual Emissions: 0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850**

Year: 2017
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: Beryllium (Total and Dissolved)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: Carbon Dioxide
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: CO (Carbon Monoxide)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: Fluoride
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: Lead, Total (as Pb)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: Mercury; Mercury (Inorganic)
 Actual Emissions: 0

Year: 2017
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: Methane
 Actual Emissions: 0

Year: 2017

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850**

County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	Nitrous Oxide
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PM2.5 (Particulate Matter - 2.5 Microns Or Less)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2017
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	Sulfuric Acid
Actual Emissions:	0
Year:	2017
County:	Knott

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850**

Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2013
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900037

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850**

Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2015
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2010
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2010
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850**

AI ID:	4386
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2010
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2010
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2010
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2010
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2012
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2012
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2012
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850**

Pollutant: PM10 (Particulate Matter - 10 Microns Or Less)
 Actual Emissions: 0

Year: 2012
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: PT (Particulate Matter)
 Actual Emissions: 0

Year: 2012
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: SO2 (Sulfur Dioxide)
 Actual Emissions: 0

Year: 2012
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: VOC (Volatile Organic Compounds)
 Actual Emissions: 0

Year: 2020
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: CO (Carbon Monoxide)
 Actual Emissions: 0

Year: 2020
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: NO2 (Nitrogen Dioxide)
 Actual Emissions: 0

Year: 2020
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: PM10 (Particulate Matter - 10 Microns Or Less)
 Actual Emissions: 0

Year: 2020
 County: Knott
 Facility ID: 2111900037
 Facility Name: KY Mountain Power LLC
 AI ID: 4386
 Pollutant: PT (Particulate Matter)

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850**

Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2020
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2014
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2014
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2014
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2014
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2014
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850**

Year:	2014
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	CO (Carbon Monoxide)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	NO2 (Nitrogen Dioxide)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PM10 (Particulate Matter - 10 Microns Or Less)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	PT (Particulate Matter)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	SO2 (Sulfur Dioxide)
Actual Emissions:	0
Year:	2016
County:	Knott
Facility ID:	2111900037
Facility Name:	KY Mountain Power LLC
AI ID:	4386
Pollutant:	VOC (Volatile Organic Compounds)
Actual Emissions:	0

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KY MOUNTAIN POWER LLC (Continued)**S107865850****COAL ASH:**

Name:	KY MOUNTAIN POWER ASH DISPOSAL FACILITY
Address:	6626 W KY 80
City,State,Zip:	TALCUM, KY 41722
Company:	KY Mountain Power Ash Disposal Facility
Type of Waste:	Not reported
Unit:	Not reported
AI:	43705
Permit #:	06000013
Hazard Potential:	Not reported
Year Built:	Not reported
Year Expanded:	Not reported
Fly Ash:	Not reported
Bottom Ash:	Not reported
Boiler Slag:	Not reported
Flue Gas Desulfurization:	Not reported
Other Residuals:	Not reported
PE Designed:	Not reported
PE Constructed:	Not reported
PE Monitored:	Not reported
Historical Releases:	Not reported
Voluntary Emer Action Plan Submitted to DEP:	Not reported
KY Hazard2:	Not reported
EPA Hazard3:	Not reported
EPA Condition4:	Not reported
DOW Comments on EPA Condition:	Not reported
Acerage5:	Not reported
Permitting Actions for New or Expaned Unit:	Not reported
Lat:	37.40073900
Long:	-83.10509700
Source Lat/Long:	Not reported
SI Desc:	Special Waste Landfill - TERMINATED
SI Status:	Terminated
Permit Expire Date:	Not reported
Comments:	Not reported
SI Number:	ACTV0000000001
SI Type:	Special Waste Landfill-Coal
SI Designation:	Special Waste Landfill
Related Entity Type:	Not reported
Related Entity Specific Type:	Not reported
Related Entity Number:	Not reported
Related Entity Name:	Not reported
Mailing Address 1:	Not reported
Mailing Address 2:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

26 ENE < 1/8 0.046 mi. 245 ft.	TRUS JOIST MACMILLAN STRIP MINE 1 MILE S.S.E. OF POTATO KNOB BULAN, KY 41722	SWF/LF	S107603152 N/A
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Actual: 1171 ft. Focus Map: 6	LF:	<table border="0" style="width: 100%;"> <tr><td>Name:</td><td>TRUS JOIST MACMILLAN</td></tr> <tr><td>Address:</td><td>STRIP MINE 1 MILE S.S.E. OF POTATO KNOB</td></tr> <tr><td>City,State,Zip:</td><td>BULAN, KY 41722</td></tr> <tr><td>Facility ID:</td><td>40521</td></tr> <tr><td>Status:</td><td>Operating</td></tr> <tr><td>Permit Number:</td><td>06000011-1</td></tr> <tr><td>SI ID:</td><td>ACTV0000000001</td></tr> <tr><td>SI Designation:</td><td>06000011-1</td></tr> <tr><td>AI Name:</td><td>Trus Joist Macmillan</td></tr> <tr><td>Rel Entity ID:</td><td>Not reported</td></tr> <tr><td>Facility Type:</td><td>Beneficial Reuse</td></tr> <tr><td>Latitude:</td><td>37.41583300</td></tr> <tr><td>Longitude:</td><td>-83.10166700</td></tr> <tr><td>Permittee city/state/zip:</td><td>BULAN, KY 41722</td></tr> <tr><td>Permit expired date:</td><td>Not reported</td></tr> <tr><td>Related Entity Name:</td><td>Not reported</td></tr> <tr><td>Related Entity Address1:</td><td>Not reported</td></tr> <tr><td>Related Entity Address2:</td><td>Not reported</td></tr> <tr><td>Related Entity Municipality:</td><td>Not reported</td></tr> <tr><td>Related Entity State:</td><td>Not reported</td></tr> <tr><td>Related Entity Zip:</td><td>Not reported</td></tr> <tr><td>Related Entity Type:</td><td>Not reported</td></tr> <tr><td>SI Description:</td><td>BENEFICIAL REUSE, SOLID WASTE-ACTIVITY APPROVED</td></tr> <tr><td>Date Last Site Insp.:</td><td>01/22/2015</td></tr> <tr><td>Last Inspector:</td><td>Ms. Andrea Rader</td></tr> <tr><td>Related Entity Specific Type:</td><td>Not reported</td></tr> </table>	Name:	TRUS JOIST MACMILLAN	Address:	STRIP MINE 1 MILE S.S.E. OF POTATO KNOB	City,State,Zip:	BULAN, KY 41722	Facility ID:	40521	Status:	Operating	Permit Number:	06000011-1	SI ID:	ACTV0000000001	SI Designation:	06000011-1	AI Name:	Trus Joist Macmillan	Rel Entity ID:	Not reported	Facility Type:	Beneficial Reuse	Latitude:	37.41583300	Longitude:	-83.10166700	Permittee city/state/zip:	BULAN, KY 41722	Permit expired date:	Not reported	Related Entity Name:	Not reported	Related Entity Address1:	Not reported	Related Entity Address2:	Not reported	Related Entity Municipality:	Not reported	Related Entity State:	Not reported	Related Entity Zip:	Not reported	Related Entity Type:	Not reported	SI Description:	BENEFICIAL REUSE, SOLID WASTE-ACTIVITY APPROVED	Date Last Site Insp.:	01/22/2015	Last Inspector:	Ms. Andrea Rader	Related Entity Specific Type:	Not reported
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Date Last Site Insp.:	01/22/2015																																																					
Last Inspector:	Ms. Andrea Rader																																																					
Related Entity Specific Type:	Not reported																																																					

27 SSE 1/8-1/4 0.202 mi. 1064 ft.	LIBERTY MANAGEMENT, LLC. KNOTT (County), KY	US MINES	1018162614 N/A
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Actual: 1171 ft. Focus Map: 8	US MINES:	<table border="0" style="width: 100%;"> <tr><td>Sic Code(s):</td><td>122200</td></tr> <tr><td>Sic Code(s):</td><td>000000</td></tr> <tr><td>Sic Code(s):</td><td>000000</td></tr> <tr><td>Sic Code(s):</td><td>000000</td></tr> <tr><td>Sic Code(s):</td><td>000000</td></tr> <tr><td>Sic Code(s):</td><td>000000</td></tr> <tr><td>Mine ID:</td><td>1517828</td></tr> <tr><td>Entity Name:</td><td>LICK BRANCH SLURRY IMPOUNDMENT</td></tr> <tr><td>Company:</td><td>LIBERTY MANAGEMENT, LLC.</td></tr> <tr><td>Status:</td><td>Mine Closed by MSHA</td></tr> <tr><td>Status Date:</td><td>20130731</td></tr> <tr><td>Operation Class:</td><td>1</td></tr> <tr><td>Number of Shops:</td><td>0</td></tr> <tr><td>Number of Plants:</td><td>0</td></tr> <tr><td>Latitude Degree:</td><td>37</td></tr> <tr><td>Longitude Degree:</td><td>083</td></tr> <tr><td>Latitude Minute:</td><td>24</td></tr> <tr><td>Latitude Seconds:</td><td>02</td></tr> <tr><td>Longitude Minutes:</td><td>06</td></tr> </table>	Sic Code(s):	122200	Sic Code(s):	000000	Sic Code(s):	000000	Sic Code(s):	000000	Sic Code(s):	000000	Sic Code(s):	000000	Mine ID:	1517828	Entity Name:	LICK BRANCH SLURRY IMPOUNDMENT	Company:	LIBERTY MANAGEMENT, LLC.	Status:	Mine Closed by MSHA	Status Date:	20130731	Operation Class:	1	Number of Shops:	0	Number of Plants:	0	Latitude Degree:	37	Longitude Degree:	083	Latitude Minute:	24	Latitude Seconds:	02	Longitude Minutes:	06
Sic Code(s):	122200																																							
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Operation Class:	1																																							
Number of Shops:	0																																							
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Longitude Degree:	083																																							
Latitude Minute:	24																																							
Latitude Seconds:	02																																							
Longitude Minutes:	06																																							

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LIBERTY MANAGEMENT, LLC. (Continued)

1018162614

Longitude Seconds: 47
Number of Pits: 000

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ARY	S129182729	PINE BRANCH MINING LLC - PORTABLE CRUSHING UNIT NO 2	CHESTNUT GAP BRANCH RD	41701	AIRS
BULAN	89151416		BULAN TIPPLE HWY 1146		ERNS
BULAN	1000393123	LOST MOUNTAIN MINING, INC.	1.9 MILES NORTH OF BULAN	41722	RCRA NonGen / NLR
TALCUM	S111026279	NI-SOURCE MERCURY METER STATIONS - KNOTT CO	BUCKHORN CREEK	41722	SHWS

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: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: N/A
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/09/2023
	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: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: N/A
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/09/2023
	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: 06/22/2023
 Date Data Arrived at EDR: 07/06/2023
 Date Made Active in Reports: 07/24/2023
 Number of Days to Update: 18

Source: EPA
 Telephone: N/A
 Last EDR Contact: 08/02/2023
 Next Scheduled EDR Contact: 10/09/2023
 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: 03/26/2023
 Date Data Arrived at EDR: 03/28/2023
 Date Made Active in Reports: 05/30/2023
 Number of Days to Update: 63

Source: Environmental Protection Agency
 Telephone: 703-603-8704
 Last EDR Contact: 06/23/2023
 Next Scheduled EDR Contact: 10/09/2023
 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: 06/22/2023
 Date Data Arrived at EDR: 07/06/2023
 Date Made Active in Reports: 07/24/2023
 Number of Days to Update: 18

Source: EPA
 Telephone: 800-424-9346
 Last EDR Contact: 08/02/2023
 Next Scheduled EDR Contact: 10/23/2023
 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: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: 800-424-9346
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/23/2023
	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: 07/24/2023	Source: EPA
Date Data Arrived at EDR: 07/31/2023	Telephone: 800-424-9346
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/02/2023
	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: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/02/2023
	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: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/02/2023
	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: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/02/2023
	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: 07/24/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/31/2023	Telephone: (404) 562-8651
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 07/31/2023
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/02/2023
	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: 05/25/2023	Source: Department of the Navy
Date Data Arrived at EDR: 05/31/2023	Telephone: 843-820-7326
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/20/2023
	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: 05/22/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2023	Telephone: 703-603-0695
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 05/23/2023
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/04/2023
	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: 05/22/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/23/2023	Telephone: 703-603-0695
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 05/23/2023
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/04/2023
	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: 06/12/2023

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 06/20/2023

Telephone: 202-267-2180

Date Made Active in Reports: 08/14/2023

Last EDR Contact: 06/20/2023

Number of Days to Update: 55

Next Scheduled EDR Contact: 10/02/2023

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: 03/22/2023

Source: Department of Environmental Protection

Date Data Arrived at EDR: 03/23/2023

Telephone: 502-564-6716

Date Made Active in Reports: 06/07/2023

Last EDR Contact: 08/16/2023

Number of Days to Update: 76

Next Scheduled EDR Contact: 12/04/2023

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: 04/28/2023

Source: Department of Environmental Protection

Date Data Arrived at EDR: 05/03/2023

Telephone: 502-564-6716

Date Made Active in Reports: 07/26/2023

Last EDR Contact: 07/25/2023

Number of Days to Update: 84

Next Scheduled EDR Contact: 11/06/2023

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: 03/01/2023

Source: Department of Environmental Protection

Date Data Arrived at EDR: 04/04/2023

Telephone: 502-564-5981

Date Made Active in Reports: 06/16/2023

Last EDR Contact: 06/29/2023

Number of Days to Update: 73

Next Scheduled EDR Contact: 10/16/2023

Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2023

Source: EPA Region 10

Date Data Arrived at EDR: 05/09/2023

Telephone: 206-553-2857

Date Made Active in Reports: 07/14/2023

Last EDR Contact: 07/17/2023

Number of Days to Update: 66

Next Scheduled EDR Contact: 10/30/2023

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: 04/20/2023	Source: EPA Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-8677
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 05/09/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 04/19/2023	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2023	Telephone: 303-312-6271
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

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: 04/19/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/09/2023	Telephone: 415-972-3372
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 04/14/2023	Source: EPA, Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-7439
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-6597
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 09/13/2006	Telephone: 502-564-5981
Date Made Active in Reports: 10/18/2006	Last EDR Contact: 04/08/2016
Number of Days to Update: 35	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: 03/08/2023	Source: FEMA
Date Data Arrived at EDR: 03/09/2023	Telephone: 202-646-5797
Date Made Active in Reports: 05/30/2023	Last EDR Contact: 06/27/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/16/2023
	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: 05/02/2023	Source: Department of Environmental Protection
Date Data Arrived at EDR: 05/09/2023	Telephone: 502-564-5981
Date Made Active in Reports: 05/11/2023	Last EDR Contact: 05/09/2023
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/04/2023
	Data Release Frequency: Quarterly

AST: Above Ground Storage Tanks

A listing of aboveground storage tank site locations.

Date of Government Version: 06/01/2021	Source: Office of State Fire Marshal
Date Data Arrived at EDR: 06/02/2021	Telephone: 502-564-4010
Date Made Active in Reports: 08/23/2021	Last EDR Contact: 08/07/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/04/2023
	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: 04/20/2023	Source: EPA Region 4
Date Data Arrived at EDR: 05/09/2023	Telephone: 404-562-9424
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 04/20/2023	Source: EPA Region 10
Date Data Arrived at EDR: 05/09/2023	Telephone: 206-553-2857
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: 04/14/2023	Source: EPA Region 5
Date Data Arrived at EDR: 05/09/2023	Telephone: 312-886-6136
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 04/26/2023	Source: EPA Region 6
Date Data Arrived at EDR: 05/09/2023	Telephone: 214-665-7591
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 04/20/2023	Source: EPA, Region 1
Date Data Arrived at EDR: 05/09/2023	Telephone: 617-918-1313
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	Data Release Frequency: Varies

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: 04/25/2023	Source: EPA Region 7
Date Data Arrived at EDR: 05/09/2023	Telephone: 913-551-7003
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 04/20/2023	Source: EPA Region 8
Date Data Arrived at EDR: 05/09/2023	Telephone: 303-312-6137
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 04/19/2023	Source: EPA Region 9
Date Data Arrived at EDR: 05/09/2023	Telephone: 415-972-3368
Date Made Active in Reports: 07/14/2023	Last EDR Contact: 07/17/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/30/2023
	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: 03/22/2023	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/23/2023	Telephone: 502-564-6716
Date Made Active in Reports: 06/07/2023	Last EDR Contact: 08/16/2023
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/04/2023
	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: 03/22/2023	Source: Department of Environmental Protection
Date Data Arrived at EDR: 03/23/2023	Telephone: 502-564-6716
Date Made Active in Reports: 06/07/2023	Last EDR Contact: 08/16/2023
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/04/2023
	Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites**VCP: Voluntary Cleanup Program Sites**

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

Date of Government Version: 04/17/2023	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/19/2023	Telephone: 502-564-6716
Date Made Active in Reports: 07/05/2023	Last EDR Contact: 06/26/2023
Number of Days to Update: 77	Next Scheduled EDR Contact: 10/09/2023
	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	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/13/2023
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/02/2023
	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: 04/24/2023	Source: Division of Compliance Assistance
Date Data Arrived at EDR: 04/26/2023	Telephone: 502-564-0323
Date Made Active in Reports: 05/05/2023	Last EDR Contact: 07/10/2023
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/23/2023
	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: 04/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/13/2023	Telephone: 202-566-2777
Date Made Active in Reports: 04/19/2023	Last EDR Contact: 06/08/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 09/25/2023
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites**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

SWRCY: Recycling Facilities

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

Date of Government Version: 09/04/2020	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/14/2020	Telephone: 502-564-6716
Date Made Active in Reports: 01/04/2021	Last EDR Contact: 07/13/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/23/2023
	Data Release Frequency: Varies

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: 07/19/2023
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/06/2023
	Data Release Frequency: Varies

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/11/2023
Next Scheduled EDR Contact: 10/30/2023
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: 07/27/2023
Next Scheduled EDR Contact: 11/13/2023
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: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Location Listing

Clandestine drug lab site locations.

Date of Government Version: 03/22/2023
Date Data Arrived at EDR: 03/23/2023
Date Made Active in Reports: 06/07/2023
Number of Days to Update: 76

Source: Department of Environmental Protection
Telephone: 502-564-6716
Last EDR Contact: 08/16/2023
Next Scheduled EDR Contact: 12/04/2023
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: 05/22/2023
Date Data Arrived at EDR: 05/23/2023
Date Made Active in Reports: 07/10/2023
Number of Days to Update: 48

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
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: 06/22/2023
 Date Data Arrived at EDR: 07/06/2023
 Date Made Active in Reports: 07/24/2023
 Number of Days to Update: 18

Source: Environmental Protection Agency
 Telephone: 202-564-6023
 Last EDR Contact: 08/02/2023
 Next Scheduled EDR Contact: 10/09/2023
 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: 03/19/2023
 Date Data Arrived at EDR: 03/21/2023
 Date Made Active in Reports: 05/30/2023
 Number of Days to Update: 70

Source: U.S. Department of Transportation
 Telephone: 202-366-4555
 Last EDR Contact: 06/20/2023
 Next Scheduled EDR Contact: 10/02/2023
 Data Release Frequency: Quarterly

SPILLS: State spills

A listing of spill and/or release related incidents.

Date of Government Version: 02/08/2023
 Date Data Arrived at EDR: 02/09/2023
 Date Made Active in Reports: 05/08/2023
 Number of Days to Update: 88

Source: DEP, Emergency Response
 Telephone: 502-564-2380
 Last EDR Contact: 07/06/2023
 Next Scheduled EDR Contact: 10/23/2023
 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: 07/24/2023
 Date Data Arrived at EDR: 07/31/2023
 Date Made Active in Reports: 08/14/2023
 Number of Days to Update: 14

Source: Environmental Protection Agency
 Telephone: (404) 562-8651
 Last EDR Contact: 07/31/2023
 Next Scheduled EDR Contact: 10/02/2023
 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: 05/08/2023
 Date Data Arrived at EDR: 05/16/2023
 Date Made Active in Reports: 07/10/2023
 Number of Days to Update: 55

Source: U.S. Army Corps of Engineers
 Telephone: 202-528-4285
 Last EDR Contact: 08/15/2023
 Next Scheduled EDR Contact: 11/27/2023
 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: 07/10/2023
 Next Scheduled EDR Contact: 10/23/2023
 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: 07/05/2023
Number of Days to Update: 574	Next Scheduled EDR Contact: 10/16/2023
	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: 08/01/2023
Number of Days to Update: 7	Next Scheduled EDR Contact: 11/20/2023
	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: 06/19/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/20/2023	Telephone: 202-566-1917
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 06/20/2023
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/02/2023
	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: 07/31/2023
Number of Days to Update: 88	Next Scheduled EDR Contact: 11/13/2023
	Data Release Frequency: Quarterly

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: 08/03/2023
Number of Days to Update: 73	Next Scheduled EDR Contact: 11/13/2023
	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	Source: EPA
Date Data Arrived at EDR: 06/14/2022	Telephone: 202-260-5521
Date Made Active in Reports: 03/24/2023	Last EDR Contact: 06/16/2023
Number of Days to Update: 283	Next Scheduled EDR Contact: 09/25/2023
	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: 12/31/2021	Source: EPA
Date Data Arrived at EDR: 02/16/2023	Telephone: 202-566-0250
Date Made Active in Reports: 05/02/2023	Last EDR Contact: 05/19/2023
Number of Days to Update: 75	Next Scheduled EDR Contact: 08/28/2023
	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: 04/17/2023	Source: EPA
Date Data Arrived at EDR: 04/18/2023	Telephone: 202-564-4203
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 07/18/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 10/30/2023
	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: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: 703-416-0223
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 09/11/2023
	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: 04/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/04/2022	Telephone: 202-564-8600
Date Made Active in Reports: 05/10/2022	Last EDR Contact: 06/12/2023
Number of Days to Update: 6	Next Scheduled EDR Contact: 10/30/2023
	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: 06/22/2023	Source: EPA
Date Data Arrived at EDR: 07/06/2023	Telephone: 202-564-6023
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/13/2023
	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: 07/07/2023
Number of Days to Update: 66	Next Scheduled EDR Contact: 10/16/2023
	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: 06/27/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/16/2023
	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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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: 03/15/2023	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/21/2023	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2023	Last EDR Contact: 07/12/2023
Number of Days to Update: 70	Next Scheduled EDR Contact: 10/30/2023
	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: 12/31/2021	Source: Department of Energy
Date Data Arrived at EDR: 04/14/2023	Telephone: 202-586-8719
Date Made Active in Reports: 07/10/2023	Last EDR Contact: 05/25/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 09/11/2023
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 05/25/2023
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/11/2023
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 08/03/2023
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/13/2023
	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: 06/22/2023
 Next Scheduled EDR Contact: 10/09/2023
 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: 07/25/2023
 Next Scheduled EDR Contact: 11/06/2023
 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: 03/31/2023
 Date Data Arrived at EDR: 04/20/2023
 Date Made Active in Reports: 07/10/2023
 Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
 Telephone: Varies
 Last EDR Contact: 06/27/2023
 Next Scheduled EDR Contact: 10/16/2023
 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: 07/31/2023
 Next Scheduled EDR Contact: 10/02/2023
 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	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 07/05/2023
Number of Days to Update: 546	Next Scheduled EDR Contact: 10/16/2023
	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	Source: Department of Energy
Date Data Arrived at EDR: 03/03/2023	Telephone: 202-586-3559
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 07/26/2023
Number of Days to Update: 98	Next Scheduled EDR Contact: 11/13/2023
	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	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 08/10/2023
Number of Days to Update: 74	Next Scheduled EDR Contact: 11/27/2023
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 06/22/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/06/2023	Telephone: 703-603-8787
Date Made Active in Reports: 07/24/2023	Last EDR Contact: 08/02/2023
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/09/2023
	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	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	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: 04/03/2023
 Date Data Arrived at EDR: 04/04/2023
 Date Made Active in Reports: 06/09/2023
 Number of Days to Update: 66

Source: DOL, Mine Safety & Health Admi
 Telephone: 202-693-9424
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 09/11/2023
 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: 05/01/2023
 Date Data Arrived at EDR: 05/24/2023
 Date Made Active in Reports: 07/24/2023
 Number of Days to Update: 61

Source: Department of Labor, Mine Safety and Health Administration
 Telephone: 303-231-5959
 Last EDR Contact: 05/24/2023
 Next Scheduled EDR Contact: 09/04/2023
 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: 05/25/2023
 Next Scheduled EDR Contact: 09/04/2023
 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: 05/25/2023
 Next Scheduled EDR Contact: 09/04/2023
 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: 06/13/2023
 Date Data Arrived at EDR: 06/14/2023
 Date Made Active in Reports: 08/14/2023
 Number of Days to Update: 61

Source: Department of Interior
 Telephone: 202-208-2609
 Last EDR Contact: 06/13/2023
 Next Scheduled EDR Contact: 09/18/2023
 Data Release Frequency: Quarterly

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: 05/04/2023
 Date Data Arrived at EDR: 05/25/2023
 Date Made Active in Reports: 07/24/2023
 Number of Days to Update: 60

Source: EPA
 Telephone: (404) 562-9900
 Last EDR Contact: 05/25/2023
 Next Scheduled EDR Contact: 09/11/2023
 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: 03/25/2023
 Date Data Arrived at EDR: 03/31/2023
 Date Made Active in Reports: 06/09/2023
 Number of Days to Update: 70

Source: Environmental Protection Agency
 Telephone: 202-564-2280
 Last EDR Contact: 06/29/2023
 Next Scheduled EDR Contact: 10/16/2023
 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: 08/15/2023
 Next Scheduled EDR Contact: 12/04/2023
 Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
 Date Data Arrived at EDR: 10/20/2022
 Date Made Active in Reports: 01/10/2023
 Number of Days to Update: 82

Source: Department of Defense
 Telephone: 703-704-1564
 Last EDR Contact: 07/06/2023
 Next Scheduled EDR Contact: 10/23/2023
 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.

Date of Government Version: 05/15/2023
 Date Data Arrived at EDR: 05/17/2023
 Date Made Active in Reports: 07/10/2023
 Number of Days to Update: 54

Source: EPA
 Telephone: 800-385-6164
 Last EDR Contact: 08/15/2023
 Next Scheduled EDR Contact: 11/27/2023
 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/07/2023
 Date Data Arrived at EDR: 06/08/2023
 Date Made Active in Reports: 06/09/2023
 Number of Days to Update: 1

Source: Environmental Protection Agency
 Telephone: 703-603-8895
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 10/16/2023
 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: 03/30/2023
 Date Data Arrived at EDR: 03/30/2023
 Date Made Active in Reports: 04/07/2023
 Number of Days to Update: 8

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 10/16/2023
 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: 03/30/2023
 Date Data Arrived at EDR: 03/30/2023
 Date Made Active in Reports: 06/09/2023
 Number of Days to Update: 71

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 10/16/2023
 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).

Date of Government Version: 03/30/2023
 Date Data Arrived at EDR: 03/30/2023
 Date Made Active in Reports: 05/02/2023
 Number of Days to Update: 33

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 10/16/2023
 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: 07/19/2023
 Next Scheduled EDR Contact: 11/06/2023
 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/30/2023
 Date Data Arrived at EDR: 03/30/2023
 Date Made Active in Reports: 05/02/2023
 Number of Days to Update: 33

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 10/16/2023
 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: 03/30/2023
 Date Data Arrived at EDR: 03/30/2023
 Date Made Active in Reports: 04/07/2023
 Number of Days to Update: 8

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 10/16/2023
 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: 03/30/2023
 Date Data Arrived at EDR: 03/30/2023
 Date Made Active in Reports: 04/03/2023
 Number of Days to Update: 4

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 10/16/2023
 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.

Date of Government Version: 03/30/2023
 Date Data Arrived at EDR: 03/30/2023
 Date Made Active in Reports: 04/03/2023
 Number of Days to Update: 4

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 10/16/2023
 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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/30/2023
 Date Data Arrived at EDR: 03/30/2023
 Date Made Active in Reports: 04/03/2023
 Number of Days to Update: 4

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 07/05/2023
 Next Scheduled EDR Contact: 10/16/2023
 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: 04/27/2023
 Date Data Arrived at EDR: 04/27/2023
 Date Made Active in Reports: 05/02/2023
 Number of Days to Update: 5

Source: Environmental Protection Agency
 Telephone: 202-272-0167
 Last EDR Contact: 07/06/2023
 Next Scheduled EDR Contact: 10/16/2023
 Data Release Frequency: Varies

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: 06/08/2023
 Next Scheduled EDR Contact: 09/18/2023
 Data Release Frequency: Varies

AIRS: Permitted Airs Facility Listing

A listing of permitted Airs facilities.

Date of Government Version: 02/16/2023
 Date Data Arrived at EDR: 02/16/2023
 Date Made Active in Reports: 03/16/2023
 Number of Days to Update: 28

Source: Department of Environmental Protection
 Telephone: 502-573-3382
 Last EDR Contact: 07/19/2023
 Next Scheduled EDR Contact: 11/06/2023
 Data Release Frequency: Semi-Annually

ASBESTOS: Asbestos Notification Listing

Asbestos sites

Date of Government Version: 06/14/2023
 Date Data Arrived at EDR: 06/15/2023
 Date Made Active in Reports: 08/11/2023
 Number of Days to Update: 57

Source: Department of Environmental Protection
 Telephone: 502-782-6780
 Last EDR Contact: 05/24/2023
 Next Scheduled EDR Contact: 09/11/2023
 Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of coal ash pond site locations.

Date of Government Version: 04/28/2023
 Date Data Arrived at EDR: 05/03/2023
 Date Made Active in Reports: 07/26/2023
 Number of Days to Update: 84

Source: Department of Environmental Protection
 Telephone: 502-564-6716
 Last EDR Contact: 07/25/2023
 Next Scheduled EDR Contact: 11/06/2023
 Data Release Frequency: No Update Planned

DRYCLEANERS: Drycleaner Listing

A listing of drycleaner facility locations.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/16/2023
 Date Data Arrived at EDR: 02/16/2023
 Date Made Active in Reports: 02/27/2023
 Number of Days to Update: 11

Source: Department of Environmental Protection
 Telephone: 502-573-3382
 Last EDR Contact: 07/19/2023
 Next Scheduled EDR Contact: 11/06/2023
 Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information.

Date of Government Version: 02/13/2023
 Date Data Arrived at EDR: 02/24/2023
 Date Made Active in Reports: 05/16/2023
 Number of Days to Update: 81

Source: Department of Environmental Protection
 Telephone: 502-564-6716
 Last EDR Contact: 07/19/2023
 Next Scheduled EDR Contact: 11/06/2023
 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: 07/19/2023
 Next Scheduled EDR Contact: 11/06/2023
 Data Release Frequency: Varies

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: 02/13/2023
 Date Data Arrived at EDR: 02/24/2023
 Date Made Active in Reports: 05/16/2023
 Number of Days to Update: 81

Source: Department of Environmental Protection
 Telephone: 502-564-6716
 Last EDR Contact: 07/19/2023
 Next Scheduled EDR Contact: 11/06/2023
 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: 07/26/2023
 Next Scheduled EDR Contact: 11/13/2023
 Data Release Frequency: Varies

NPDES: Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 02/21/2023
 Date Data Arrived at EDR: 02/23/2023
 Date Made Active in Reports: 02/27/2023
 Number of Days to Update: 4

Source: Department of Environmental Protection
 Telephone: 502-564-3410
 Last EDR Contact: 07/26/2023
 Next Scheduled EDR Contact: 11/13/2023
 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: 02/10/2023
 Date Data Arrived at EDR: 04/11/2023
 Date Made Active in Reports: 06/26/2023
 Number of Days to Update: 76

Source: Kentucky Geological Survey
 Telephone: 859-323-0544
 Last EDR Contact: 07/10/2023
 Next Scheduled EDR Contact: 10/23/2023
 Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: 06/07/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/08/2023	Telephone: 202-566-0250
Date Made Active in Reports: 06/09/2023	Last EDR Contact: 07/05/2023
Number of Days to Update: 1	Next Scheduled EDR Contact: 10/16/2023
	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: 07/14/2011	Source: EPA, Office of Water
Date Data Arrived at EDR: 08/05/2011	Telephone: 202-564-2496
Date Made Active in Reports: 09/29/2011	Last EDR Contact: 06/27/2023
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014	Source: EPA
Date Data Arrived at EDR: 02/05/2015	Telephone: 202-564-2497
Date Made Active in Reports: 03/06/2015	Last EDR Contact: 06/27/2023
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/16/2023
	Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022	Source: USGS
Date Data Arrived at EDR: 11/22/2022	Telephone: 703-648-6533
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 05/25/2023
Number of Days to Update: 98	Next Scheduled EDR Contact: 09/04/2023
	Data Release Frequency: Varies

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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/03/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 186	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: 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	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/15/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 198	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**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: 11/16/2022
 Date Data Arrived at EDR: 11/16/2022
 Date Made Active in Reports: 02/06/2023
 Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
 Telephone: 860-424-3375
 Last EDR Contact: 08/08/2023
 Next Scheduled EDR Contact: 11/20/2023
 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: 06/27/2023
 Next Scheduled EDR Contact: 10/16/2023
 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: 01/01/2019
 Date Data Arrived at EDR: 10/29/2021
 Date Made Active in Reports: 01/19/2022
 Number of Days to Update: 82

Source: Department of Environmental Conservation
 Telephone: 518-402-8651
 Last EDR Contact: 07/27/2023
 Next Scheduled EDR Contact: 11/06/2023
 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: 07/06/2023
 Next Scheduled EDR Contact: 10/23/2023
 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

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: 08/10/2022
 Next Scheduled EDR Contact: 11/27/2023
 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: 06/01/2023
 Next Scheduled EDR Contact: 09/18/2023
 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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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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 D

Historic Sanborn Fire Insurance Maps

Bulan

Bulan

Bulan, KY 41722

Inquiry Number: 7420455.3

August 18, 2023

Certified Sanborn® Map Report



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

08/18/23

Certified Sanborn® Map Report**Site Name:**

Bulan
 Bulan
 Bulan, KY 41722
 EDR Inquiry # 7420455.3

Client Name:

Bacon Farmer Workman Eng & Testing Inc
 500 South 17th Street
 Paducah, KY 42002
 Contact: Susannah Campbell, PMP



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Bacon Farmer Workman Eng & Testing Inc were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 343E-4909-A911

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 #: 343E-4909-A911

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

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Appendix E
PVA Tax ID / Current Deed /
Supporting Documentation

Breathitt County, KY PVA

Parcel Summary

Map Number 227-00-00-001.00
Account Number 10008 (PID: 165259 PTID: 10008)
Location Address LONG FORK OF LITTLE BUCKH
Tax District 01 County
Property Class FARM
Description 632 AC NPB
Acres 632
Deed Information 262/793

[View Map](#)

Owner Information

Current Owner
 LIBERTY LAND LLC
 223 E. CEDAR DR.
 PIKEVILLE, KY 41501

Land Information

Lot Size	Lot Frontage	Lot Depth	Acreage	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
	0.00	0.00	632.00	GRAVEL		TYPICAL	AVERAGE	\$1,055,884

Valuation

	2023 Working	2022 Certified	2021 Certified	2020 Certified	2019 Certified	2018 Certified	2017 Certified	2016 Certified
Homestead	N	N	N	N	N	N	N	N
FRM FCV	\$1,055,884	\$1,055,884	\$1,055,884					
FRM TXV	\$98,300	\$98,300	\$98,300					
FRM AC	\$632	\$632	\$632					
FIRE AC	\$632	\$632	\$632					
COM				\$1,055,884	\$1,055,884	\$1,055,884	\$1,055,884	\$1,055,884

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
12/14/2020	\$10	262	793	LIBERTY MANAGEMENT, LLC	
04/04/2019		259	097	PINE BR RESOURCES, LLC	
04/04/2019		259	229	PINE BRANCH RESOURCES, LLC	
02/09/2015	\$10	248	416	LITTLE ELK MINING CO	
03/30/2005		213	290	LAUREN LAND CO.	

Recent Sales In Area

Sale date range:

From: To:

No data available for the following modules: Commercial Improvement Information, Mobile Home Information, Residential Improvement Information, Photos, Sketches.

The Breathitt County Property Valuation Administrator's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. The assessment information is from the last certified taxroll. All data is subject to change before the next certified taxroll.

[User Privacy Policy](#) | [GDPR Privacy Notice](#)
 Last Data Upload: 11/6/2023, 7:29:28 PM

Contact Us



Knott County, KY PVA

Parcel Summary

Map Number 004-00 00 001.00
Account Number 20044 (PID: 108976 PTID: 20044)
Location Address QUICKSAND BUCKHORN
Tax District 00
Tax Rate N/A
Property Class COMMERCIAL
Description 2843 AC
Acres N/A
Deed Information 294/138

[View Map](#)

Owner Information

Current Owner
 LIBERTY LAND LLC
 233 E CEDAR DR
 PIKEVILLE KY 41501

Land Information

Lot Size	Lot Frontage	Lot Depth	Acreage	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
				UNIMPROVED	UNIMPROVED	FAIR	AVERAGE	

Valuation

	2022 Certified	2021 Certified	2020 Certified	2019 Certified
Homestead	N	N	N	N
LSHOLD	\$1	\$1	\$1	\$1

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
12/14/2020	\$10	294	138	LIBERTY MANAGEMENT LLC	Affiliated Organizations
11/12/2015	\$10	275	72	LITTLE ELK MINING CO LLC	Affiliated Organizations
03/01/2005	\$12,999,645			LAUREN LAND CO	Multiple Properties
03/01/2005	\$12,999,645			LAUREN LAND CO	Multiple Properties
08/01/2004	\$90,908			APPALACHIAN REALTY	Multiple Properties
08/01/2004	\$90,908			APPALACHIAN REALTY	Multiple Properties
01/01/2000				SOUTHERN REALTY RE	
01/01/2000				SOUTHERN REALTY RE	

Recent Sales In Area

Sale date range:

From: To:

No data available for the following modules: Commercial Improvement Information, Residential Improvement Information, Mobile Home Information, Photos, Sketches.

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Contact Us



Knott County, KY PVA

Parcel Summary

Map Number 004-00 00 002.00
Account Number 20045 (PID: 108977 PTID: 20045)
Location Address QUICKSAND BUCKHORN
Tax District 00
Tax Rate N/A
Property Class COMMERCIAL
Description 1212 AC
Acres N/A
Deed Information 294/138

[View Map](#)

Owner Information

Current Owner
 LIBERTY LAND LLC
 223 E CEDAR DRIVE
 PIKEVILLE KY 41501

Land Information

Lot Size	Lot Frontage	Lot Depth	Acres	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
				UNIMPROVED	UNIMPROVED	FAIR	AVERAGE	

Valuation

	2022 Certified	2021 Certified	2020 Certified	2019 Certified
Homestead	N	N	N	N
LSHOLD	\$1	\$1	\$1	\$1

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
12/14/2020	\$10	294	138	LIBERTY MANAGEMENT LLC	Affiliated Organizations
11/12/2015	\$10	275	72	LITTLE ELK MINING CO LLC	Affiliated Organizations
03/01/2005	\$12,999,645			LAUREN LAND CO	Multiple Properties
03/01/2005	\$12,999,645			LAUREN LAND CO	Multiple Properties
08/01/2004	\$90,908			APPALACHIAN REALTY	Multiple Properties
08/01/2004	\$90,908			APPALACHIAN REALTY	Multiple Properties
01/01/2000				SOUTHERN REALTY RE	
01/01/2000				SOUTHERN REALTY RE	

Recent Sales In Area

Sale date range:

From: To:

No data available for the following modules: Commercial Improvement Information, Residential Improvement Information, Mobile Home Information, Photos, Sketches.

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Contact Us



Knott County, KY PVA

Parcel Summary

Map Number 005-00 00 010.00
Account Number 20042 (PID: 108974 PTID: 20042)
Location Address BALL LOWER
Tax District 00
Tax Rate N/A
Property Class COMMERCIAL
Description 1347 AC
Acres N/A
Deed Information 294/138

[View Map](#)

Owner Information

Current Owner
 LIBERTY LAND LLC
 223 E CEDAR DR
 PIKEVILLE KY 41501

Land Information

Lot Size	Lot Frontage	Lot Depth	Acres	Street Type	Driveway	Neighborhood Type	Site Condition	Land Value
				SECONDARY	UNIMPROVED	FAIR	AVERAGE	

Valuation

	2022 Certified	2021 Certified	2020 Certified	2019 Certified
Homestead	N	N	N	N
LSHOLD	\$1	\$1	\$1	\$1

Sales Information

Sale Date	Sale Price	Deed Book	Deed Page	Previous Owner	Sale Type
12/14/2020	\$10	294	138	LIBERTY MANAGEMENT LLC	Affiliated Organizations
11/12/2015	\$10	275	72	LITTLE ELK MINING CO LLC	Affiliated Organizations
03/01/2005	\$12,999,645			LAUREN LAND CO	Multiple Properties
03/01/2005	\$12,999,645			LAUREN LAND CO	Multiple Properties
08/01/2004	\$90,908			APPALACHIAN REALTY	Multiple Properties
08/01/2004	\$90,908			APPALACHIAN REALTY	Multiple Properties
01/01/2000				SOUTHERN REALTY RE	
01/01/2000				SOUTHERN REALTY RE	

Recent Sales In Area

Sale date range:

From: To:

No data available for the following modules: Commercial Improvement Information, Residential Improvement Information, Mobile Home Information, Photos, Sketches.

The Knott County Property Valuation Administrator's Office makes every effort to produce the most accurate information possible. No warranties, expressed or implied, are provided for the data herein, its use or interpretation. All data is subject to change before the next certified taxroll.

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Contact Us



Perry County, KY PVA

Summary

Parcel Number 131-00 00 001.00
Account Number 33299
Location Address LICK BR-ARY
Description DB 413 PG 648 02-25-21
(Note: Not to be used on legal documents)
Class Residential
Tax District 01 Common
Rate Per Thousand 9.6400

[View Map](#)

Owner

Primary Owner
[LIBERTY LAND LLC](#)
 223 E CEDAR DRIVE
 PIKEVILLE, KY 41501

Land Characteristics

Condition		Topography	
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	
Lot		Zoning	
Block		Electric	No
Acres	0.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	383	Road	Unimproved
Lot Sq Ft	0	Sidewalks	
Shape		Information Source	

Valuation

	2023 Working	2022 Certified	2021 Certified
+ Land Value	\$0	\$0	\$0
+ Improvement Value	\$0	\$0	\$0
+ Ag Improvement Value	\$0	\$0	\$0
= Total Taxable Value	\$0	\$0	\$0
- Exemption Value	\$0	\$0	\$0
= Net Taxable Value	\$0	\$0	\$0
+ Land FCV	\$0	\$0	\$0
+ Improvement FCV	\$0	\$0	\$0
+ Ag Improvement FCV	\$0	\$0	\$0
= Total FCV	\$0	\$0	\$0
Exemption			
Farm Acres	0.00	0.00	0.00
Fire Protection Acres	0.00	0.00	0.00

Improvement Information

Attachment to RFI 1-50, Page 181 of 238

Building Number	1	Kitchens	0
Description		Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	1982	Full Baths	0
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	4
Structure	1 Story	Total Rooms	4
Number of Stories	0	Living Sq Ft	48,600
Exterior	Concrete Block	Fireplaces/Water	0/0
Foundation	Poured Concrete	Supplemental Heat	
Construction Type		Mobile Home Model	
Construction Quality		Mobile Home Manufacturer	
Building Condition		MH Skirt Foundation	
Roof Type		Heat	No
Roof Cover		Heat Source	
Roof Pitch		Heat Type	
Basement Type	None	Air Conditioning	No
Basement Finish		AC/Type	
Basement Size		Special Improvements	No
Basement Sq Ft	0	Fire Alarm	No
Garage/Carport	Carport	Sprinklers	No
Garage Size	None	Porch/Deck	
Garage Type	None	Porch Sq Ft	0
Garage Exterior		Deck Sq Ft	0
Width	0	Concrete Sq Ft	0
Length	0	Farm Bldg Type	
Garage Sq Ft	0	Value	\$0.00
Pool		Driveway	
Pool Size	0	Fence	0
Tennis Courts			

Building Number	2	Kitchens	0
Description	WAREHOUSE	Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	1989	Full Baths	0
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure	1 Story	Total Rooms	0
Number of Stories	0	Living Sq Ft	5,900
Exterior	Aluminum	Fireplaces/Water	0/0
Foundation	Poured Concrete	Supplemental Heat	
Construction Type		Mobile Home Model	
Construction Quality		Mobile Home Manufacturer	
Building Condition		MH Skirt Foundation	
Roof Type		Heat	No
Roof Cover		Heat Source	
Roof Pitch		Heat Type	
Basement Type		Air Conditioning	No
Basement Finish		AC/Type	
Basement Size		Special Improvements	No
Basement Sq Ft	0	Fire Alarm	No
Garage/Carport	Carport	Sprinklers	No
Garage Size		Porch/Deck	
Garage Type		Porch Sq Ft	0
Garage Exterior		Deck Sq Ft	0
Width	0	Concrete Sq Ft	0
Length	0	Farm Bldg Type	
Garage Sq Ft	0	Value	\$0.00
Pool		Driveway	
Pool Size	0	Fence	0
Tennis Courts			

Attachment to RFI 1-50, Page 182 of 238

Building Number	3	Kitchens	0
Description		Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	0	Full Baths	0
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure		Total Rooms	0
Number of Stories	0	Living Sq Ft	672
Exterior		Fireplaces/Water	0/0
Foundation		Supplemental Heat	
Construction Type		Mobile Home Model	
Construction Quality		Mobile Home Manufacturer	
Building Condition		MH Skirt Foundation	
Roof Type		Heat	No
Roof Cover		Heat Source	
Roof Pitch		Heat Type	
Basement Type		Air Conditioning	No
Basement Finish		AC/Type	
Basement Size		Special Improvements	No
Basement Sq Ft	0	Fire Alarm	No
Garage/Carport	Carport	Sprinklers	No
Garage Size		Porch/Deck	
Garage Type		Porch Sq Ft	0
Garage Exterior		Deck Sq Ft	0
Width	0	Concrete Sq Ft	0
Length	0	Farm Bldg Type	
Garage Sq Ft	0	Value	\$0.00
Pool		Driveway	
Pool Size	0	Fence	0
Tennis Courts			

Building Number	4	Kitchens	0
Description		Dining Rooms	0
Residence Type		Living Rooms	0
Comm Type		Family Rooms	0
Mobile Home Type		Bedrooms	0
Year Built	0	Full Baths	0
Effective Age	0	Half Baths	0
Ave. Wall Height	0	Other Rooms	0
Structure		Total Rooms	0
Number of Stories	0	Living Sq Ft	108
Exterior		Fireplaces/Water	0/0
Foundation		Supplemental Heat	
Construction Type		Mobile Home Model	
Construction Quality		Mobile Home Manufacturer	
Building Condition		MH Skirt Foundation	
Roof Type		Heat	No
Roof Cover		Heat Source	
Roof Pitch		Heat Type	
Basement Type		Air Conditioning	No
Basement Finish		AC/Type	
Basement Size		Special Improvements	No
Basement Sq Ft	0	Fire Alarm	No
Garage/Carport	Carport	Sprinklers	No
Garage Size		Porch/Deck	
Garage Type		Porch Sq Ft	0
Garage Exterior		Deck Sq Ft	0
Width	0	Concrete Sq Ft	0
Length	0	Farm Bldg Type	
Garage Sq Ft	0	Value	\$0.00
Pool		Driveway	
Pool Size	0	Fence	0
Tennis Courts			

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
2/25/2021	\$0	Affiliated Organizations	413-648	LIBERTY LAND LLC	LIBERTY MANAGEMENT LLC
11/19/2015	\$0	Use Changed	385-754	LIBERTY MANAGEMENT LLC	LITTLE ELK MINING COMPANY, LLC
	\$0	Valid Sale	274-065	APPALACHIAN REALTY COMPANY	CYPRUS SOUTHERN REALTY CORP
	\$0	Valid Sale	259-392	CYPRUS SOUTHERN REALTY CORP	SOUTHERN REALTY RESOURCES INC
	\$0	Other		LITTLE ELK MINING COMPANY, LLC	APPALACHIAN REALTY COMPANY

No data available for the following modules: Special Assessments, Taxes, Photos, Sketches.

Attachment to RFI 1-50, Page 183 of 238

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[Last Data Upload: 11/17/2023, 3:35:29 PM](#)

Contact Us



Perry County, KY PVA

Summary

Parcel Number 131-00 00 001.01
Account Number 33311
Location Address LICK BR-ARY
Description DB 413 PG 648 02-25-21
(Note: Not to be used on legal documents)
Class Residential
Tax District 01 Common
Rate Per Thousand 9.6400

[View Map](#)

Owner

Primary Owner
[LIBERTY LAND LLC](#)
 223 E CEDAR DRIVE
 PIKEVILLE, KY 41501

Land Characteristics

Condition		Topography	
Plat Book/Page		Drainage	
Subdivision		Flood Hazard	
Lot		Zoning	
Block		Electric	No
Acres	0.00	Water	No
Front	0	Gas	No
Depth	0	Sewer	No
Lot Size	149	Road	Unimproved
Lot Sq Ft	0	Sidewalks	
Shape		Information Source	

Valuation

	2023 Working	2022 Certified	2021 Certified
+ Land Value	\$30,000	\$30,000	\$30,000
+ Improvement Value	\$0	\$0	\$0
+ Ag Improvement Value	\$0	\$0	\$0
= Total Taxable Value	\$30,000	\$30,000	\$30,000
- Exemption Value	\$0	\$0	\$0
= Net Taxable Value	\$30,000	\$30,000	\$30,000
+ Land FCV	\$0	\$0	\$0
+ Improvement FCV	\$0	\$0	\$0
+ Ag Improvement FCV	\$0	\$0	\$0
= Total FCV	\$0	\$0	\$0
Exemption			
Farm Acres	0.00	0.00	0.00
Fire Protection Acres	0.00	0.00	0.00

Taxes

	2022	2021	2020	2019	2018
Tax	\$311.10	\$313.16	\$311.96	\$1,671.48	\$1,636.96

Sale Information

Sale Date	Sale Price	Sale Type	Book-Page	Grantee	Grantor
2/25/2021	\$0	Affiliated Organizations	413-648	LIBERTY LAND LLC	LIBERTY MANAGEMENT LLC
4/12/2019	\$30,000	Multiple Parcels	403-460	LIBERTY MANAGEMENT LLC	PINE BRANCH RESOURCES DBA ICG HAZARD
2/10/2015	\$0	Partial Sales	381-288	PINE BRANCH RESOURCES DBA ICG HAZARD	LITTLE ELK MINING COMPANY, LLC

No data available for the following modules: Special Assessments, Improvement Information, Photos, Sketches.

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 Last Data Upload: 11/17/2023, 3:35:29 PM

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Property Address: Long Fork of Little Buckh				
Parcel Number : 227-00-00-001.00				
Deed Book	Page Number	Date	Grantor	Grantee
262	793	12/14/2020	Liberty Management, LLC	Liberty Land, LLC
259	97	4/4/2019	Pine BR Resources, LLC	Liberty Management, LLC
259	229	4/4/2019	Pine Branch Resources, LLC	Pine BR Resources, LLC
248	416	2/9/2015	Little Elk Mining Company	Pine Branch Resources, LLC
213	290	3/30/2005	Lauren Land Company	Little Elk Mining Company

Property Address: Quicksand Buckhorn				
Parcel Number : 004-00-00-001.00				
Deed Book	Page Number	Date	Grantor	Grantee
294	138	12/14/2020	Liberty Management, LLC	Liberty Land, LLC
275	72	11/12/2015	Little Elk Mining Company, LLC	Liberty Management, LLC
		3/1/2005	Lauren Land Company	Little Elk Mining Company, LLC
		3/1/2005	Lauren Land Company	Lauren Land Company
		8/1/2004	Appalachian Realty	Lauren Land Company
		8/1/2004	Appalachian Realty	Appalachian Realty
		1/1/2000	Southern Realty Real Estate	Appalachian Realty
		1/1/2000	Southern Realty Real Estate	Southern Realty Real Estate

Property Address: Quicksand Buckhorn				
Parcel Number : 004-00-00-002.00				
Deed Book	Page Number	Date	Grantor	Grantee
294	138	12/14/2020	Liberty Management, LLC	Liberty Land, LLC
275	72	11/12/2015	Little Elk Mining Company, LLC	Liberty Management, LLC
		3/1/2005	Lauren Land Company	Little Elk Mining Company, LLC
		3/1/2005	Lauren Land Company	Lauren Land Company
		8/1/2004	Appalachian Realty	Lauren Land Company
		8/1/2004	Appalachian Realty	Appalachian Realty
		1/1/2000	Southern Realty Real Estate	Appalachian Realty
		1/1/2000	Southern Realty Real Estate	Southern Realty Real Estate

Property Address: Ball Lower				
Parcel Number : 005-00-00-010.00				
Deed Book	Page Number	Date	Grantor	Grantee
294	138	12/14/2020	Liberty Management, LLC	Liberty Land, LLC
275	72	11/12/2015	Little Elk Mining Company, LLC	Liberty Management, LLC
		3/1/2005	Lauren Land Company	Little Elk Mining Company, LLC
		3/1/2005	Lauren Land Company	Lauren Land Company
		8/1/2004	Appalachian Realty	Lauren Land Company
		8/1/2004	Appalachian Realty	Appalachian Realty
		1/1/2000	Southern Realty Real Estate	Appalachian Realty
		1/1/2000	Southern Realty Real Estate	Southern Realty Real Estate

Property Address: Lick Br-Ary				
Parcel Number : 131-00-00-001.00				
Deed Book	Page Number	Date	Grantor	Grantee
413	648	12/14/2020	Liberty Management, LLC	Liberty Land, LLC
385	754	11/12/2015	Little Elk Mining Company, LLC	Liberty Management, LLC
274	65	3/1/2005	Cyprus Southern Realty Company	Appalachian Realty Company
259	392	3/1/2005	Southern Realty Resources, Inc.	Cyprus Southern Realty Company
			Appalachian Realty Company	Little Elk Mining Company, LLC

Property Address: Lick Br-Ary				
Parcel Number : 131-00-00-001.00				
Deed Book	Page Number	Date	Grantor	Grantee
413	648	12/14/2020	Liberty Management, LLC	Liberty Land, LLC
403	460	4/12/2019	Pine Branch Resources DBA ICG Hazard	Liberty Management, LLC
381	288	2/10/2015	Little Elk Mining Company, LLC	Pine Branch Resources DBA ICG Hazard

Appendix F

Historic Topographic Maps

Bulan

Bulan

Bulan, KY 41722

Inquiry Number: 7420455.4

August 18, 2023

EDR Historical Topo Map Report

with QuadMatch™



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

Site Name:

Bulan
 Bulan
 Bulan, KY 41722
 EDR Inquiry # 7420455.4

Client Name:

Bacon Farmer Workman Eng & Testing Inc
 500 South 17th Street
 Paducah, KY 42002
 Contact: Susannah Campbell, PMP



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Bacon Farmer Workman Eng & Testing 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. EDRs 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
Project: NA

Latitude: 37.413605 37° 24' 49" North
Longitude: -83.115154 -83° 6' 55" West
UTM Zone: Zone 17 North
UTM X Meters: 312814.96
UTM Y Meters: 4142856.26
Elevation: 1338.74' above sea level

Maps Provided:

2019 1891
 2016
 2013
 1992
 1987
 1976
 1954
 1914

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Topo Sheet Key

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

2019 Source Sheets



Noble
2019
7.5-minute, 24000



Vest
2019
7.5-minute, 24000

2016 Source Sheets



Vest
2016
7.5-minute, 24000



Noble
2016
7.5-minute, 24000

2013 Source Sheets



Noble
2013
7.5-minute, 24000



Vest
2013
7.5-minute, 24000

1992 Source Sheets

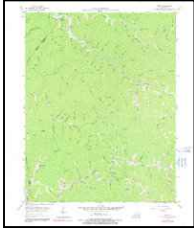


Vest
1992
7.5-minute, 24000
Aerial Photo Revised 1988

Topo Sheet Key

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

1987 Source Sheets



Vest
1987
7.5-minute, 24000
Aerial Photo Revised 1953

1976 Source Sheets



Noble
1976
7.5-minute, 24000
Aerial Photo Revised 1953



Vest
1976
7.5-minute, 24000
Aerial Photo Revised 1953

1954 Source Sheets



Noble
1954
7.5-minute, 24000
Aerial Photo Revised 1953



Vest
1954
7.5-minute, 24000
Aerial Photo Revised 1953

1914 Source Sheets

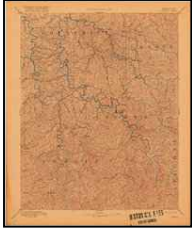


Troublesome
1914
15-minute, 62500

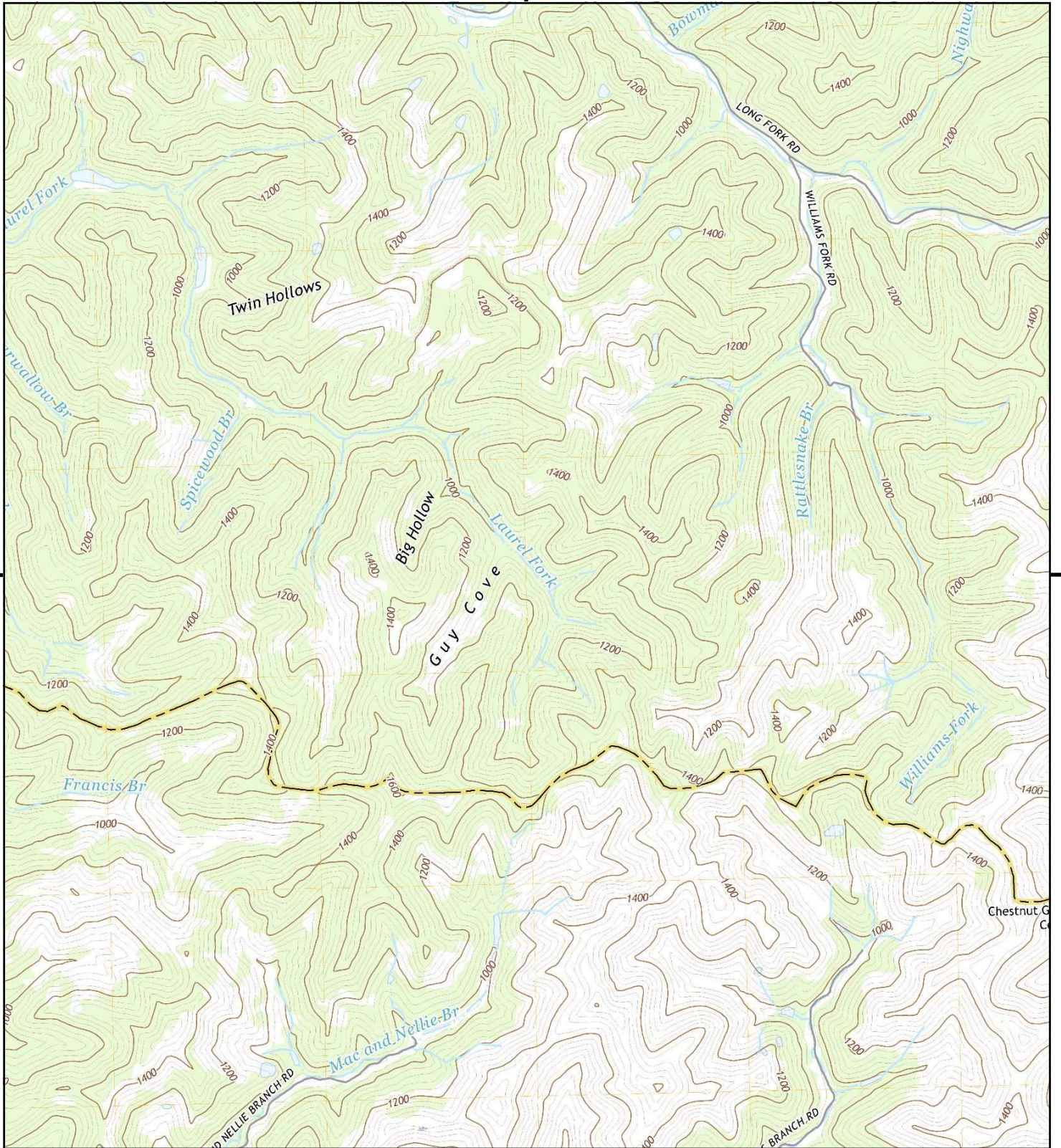
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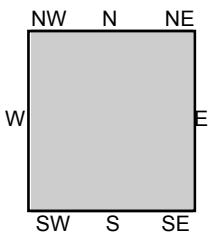
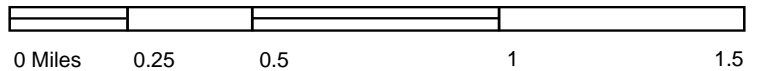
1891 Source Sheets



Hazard
1891
30-minute, 125000



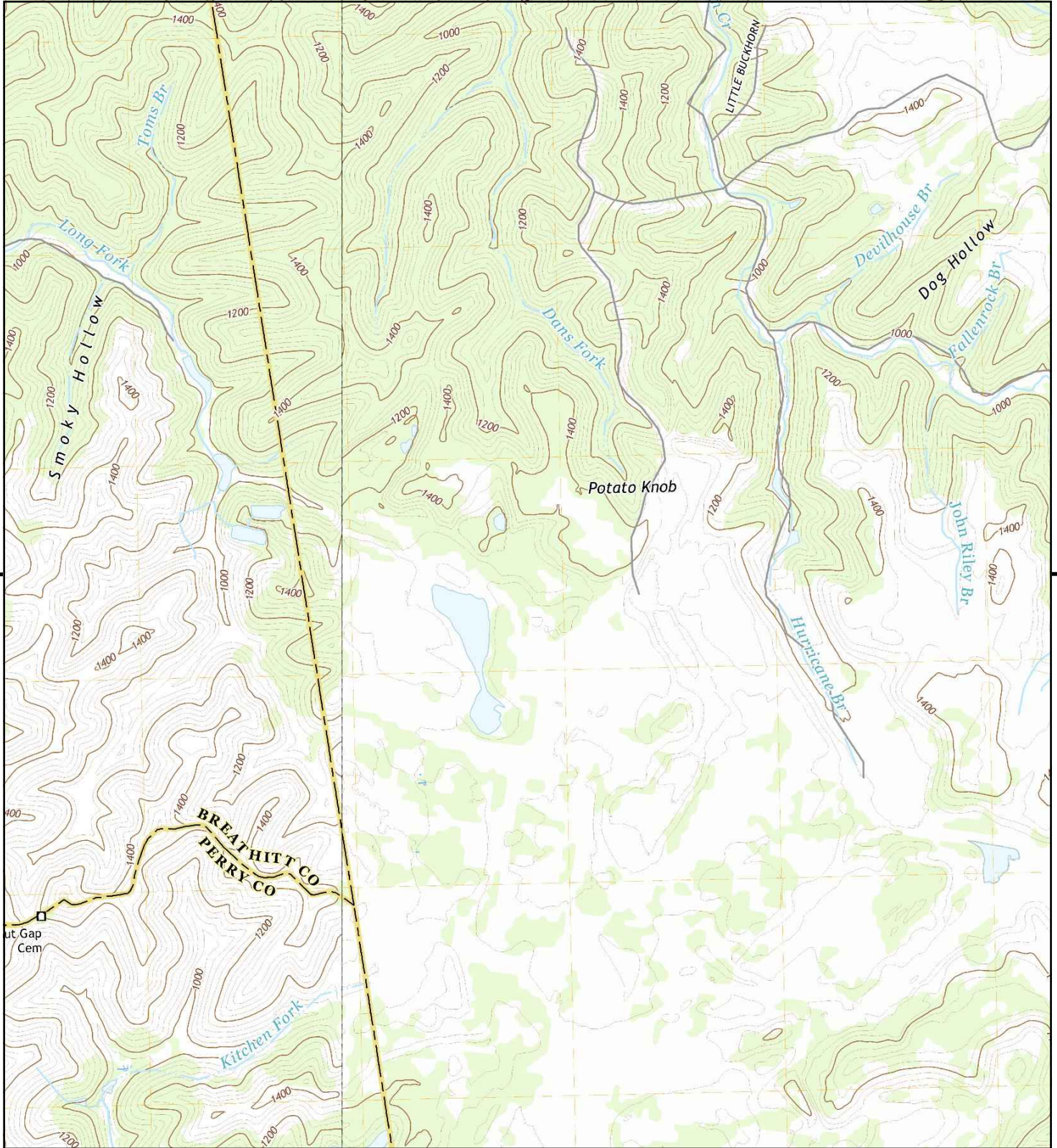
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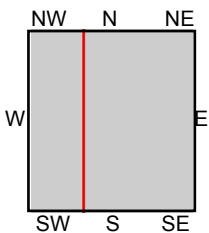
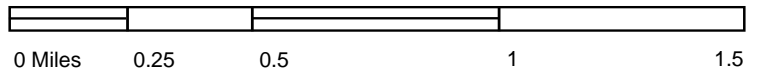
TP, Noble, 2019, 7.5-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





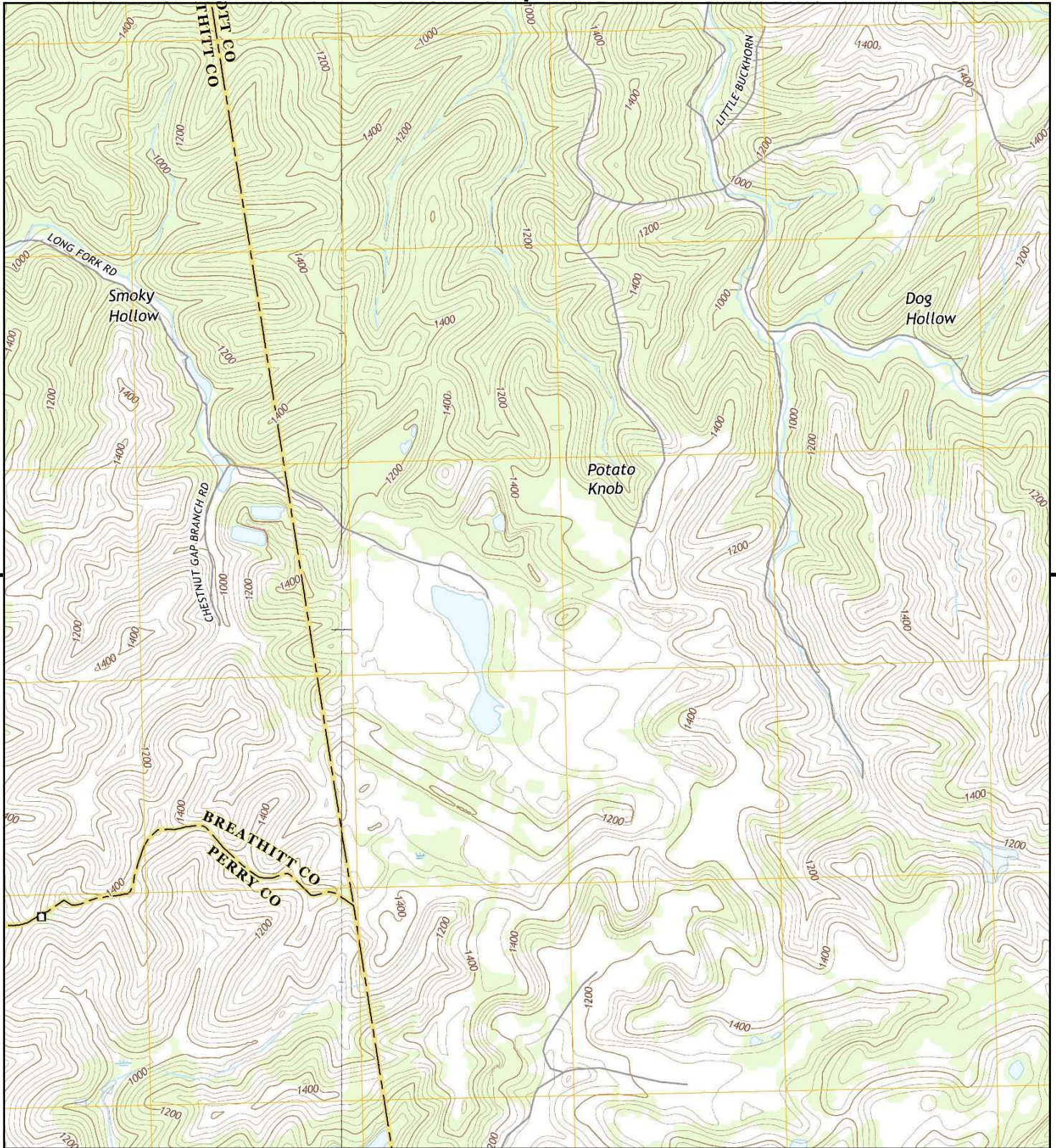
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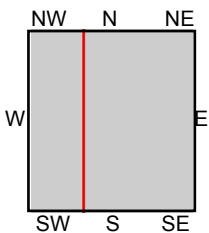
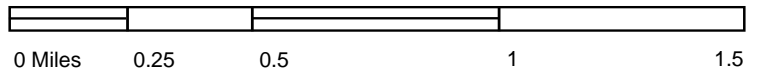
TP, Vest, 2019, 7.5-minute
W, Noble, 2019, 7.5-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





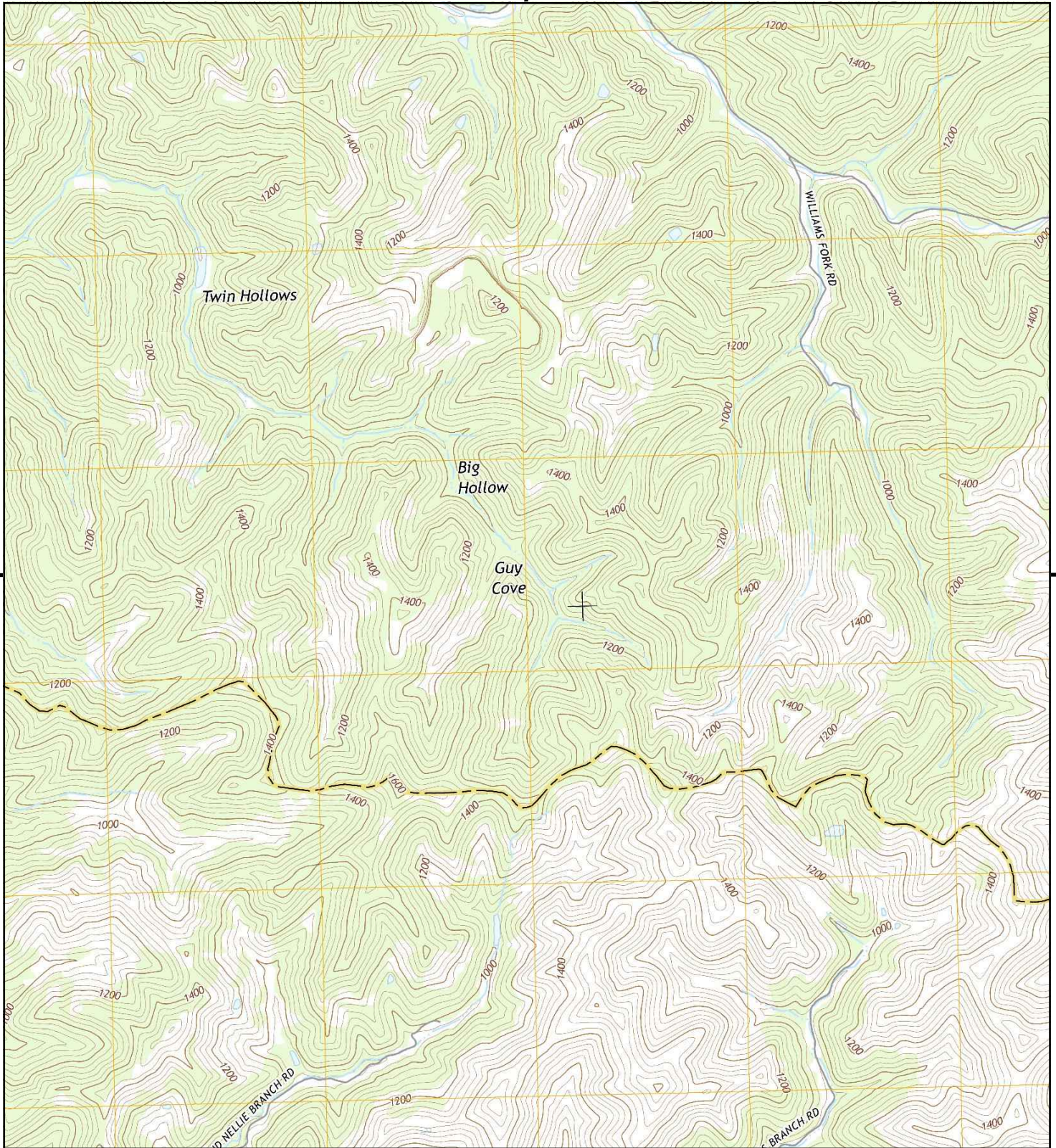
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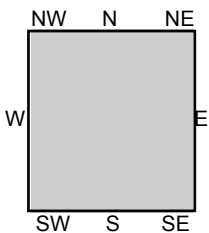
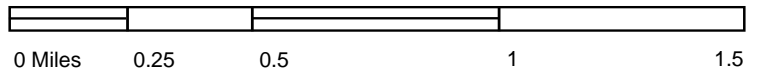
TP, Vest, 2016, 7.5-minute
W, Noble, 2016, 7.5-minute

SITE NAME: Bulan
ADDRESS: Bulan
 Bulan, KY 41722
CLIENT: Bacon Farmer Workman Eng & Testing Ir





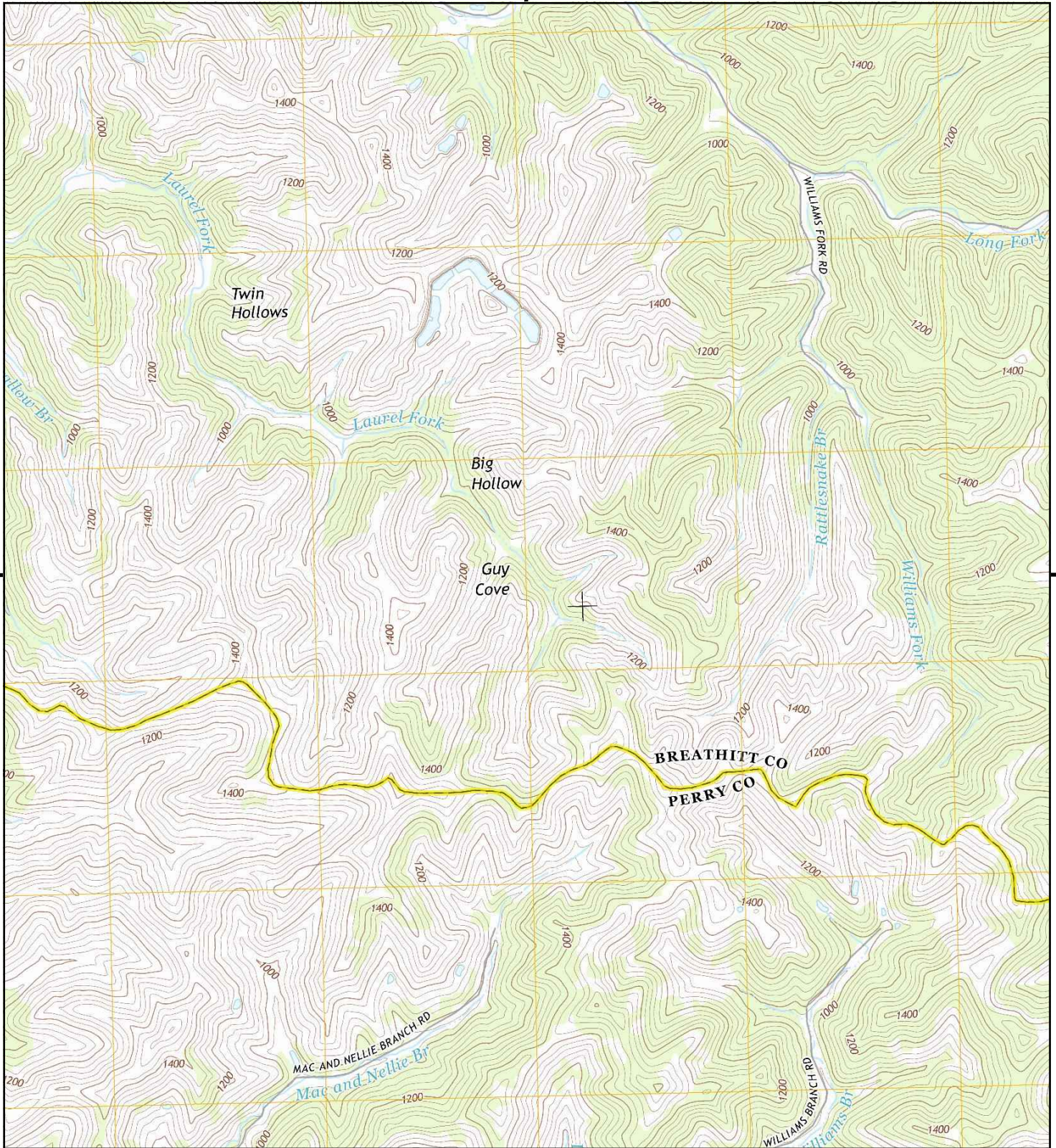
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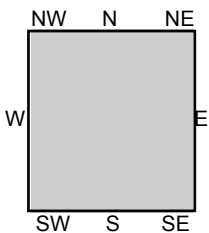
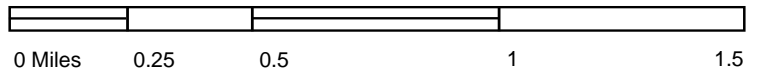
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SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





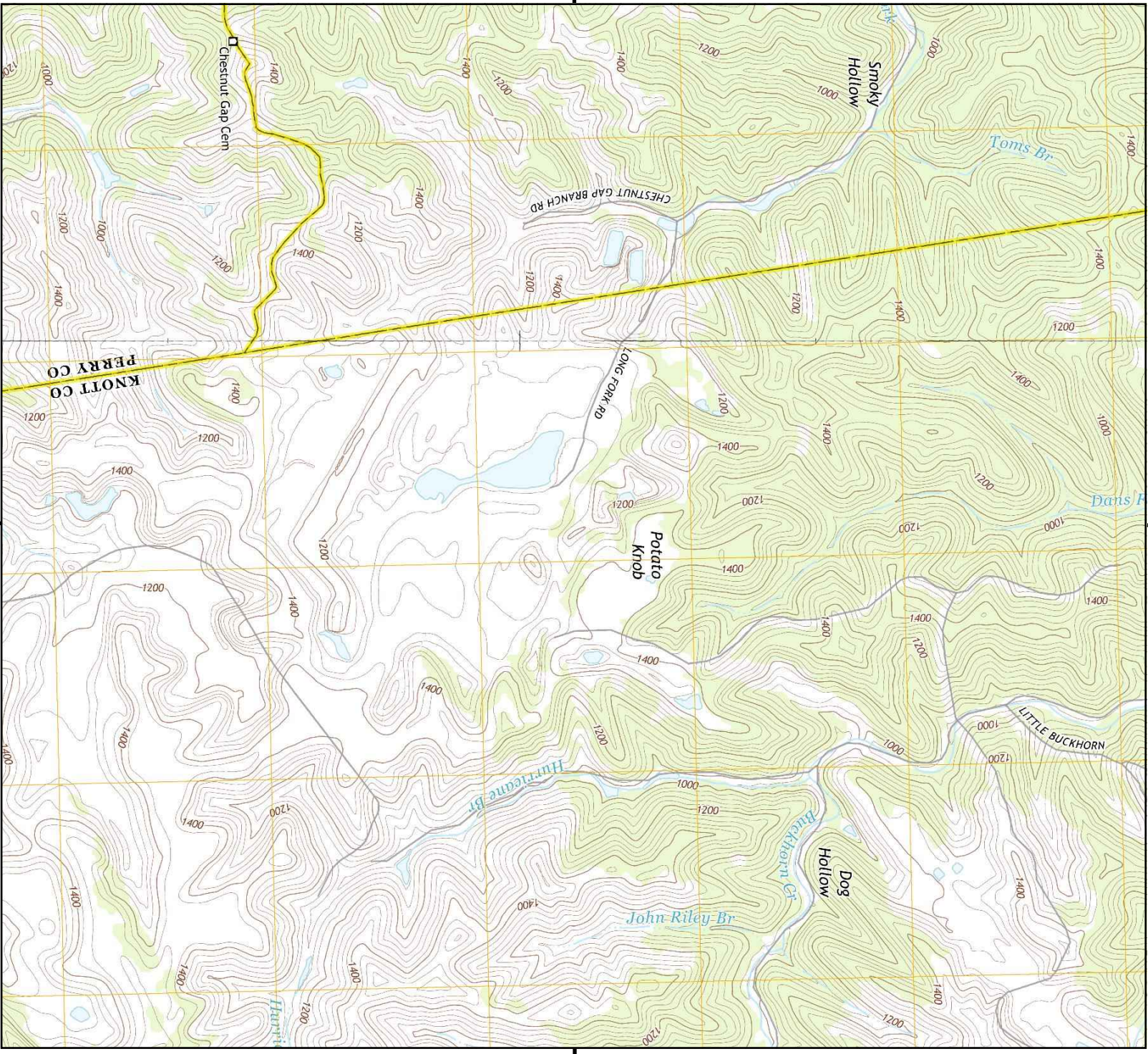
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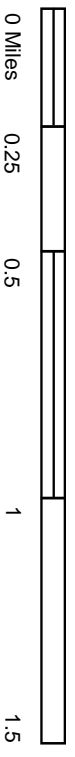
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SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir

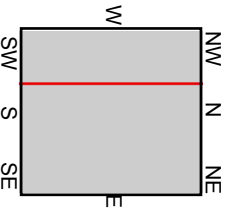




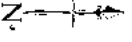
This report includes information from the following map sheet(s).

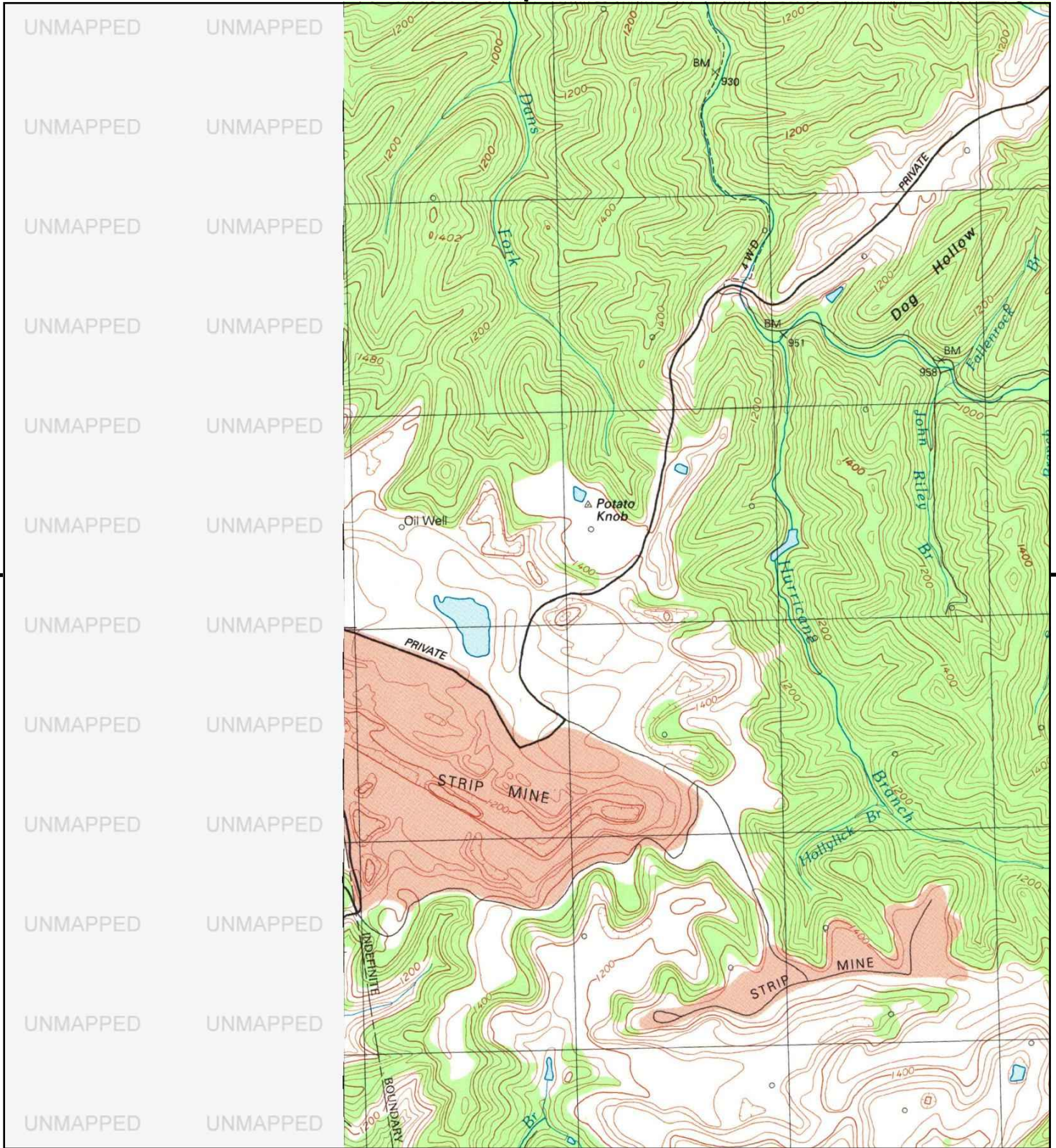


TP, Vest, 2013, 7.5-minute
W, Noble, 2013, 7.5-minute

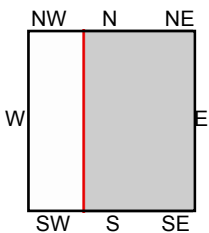


SITE NAME: Bulan
ADDRESS: Bulan
Bulan, KY 41722
CLIENT: Bacon Farmer Workman Eng & Testing ll





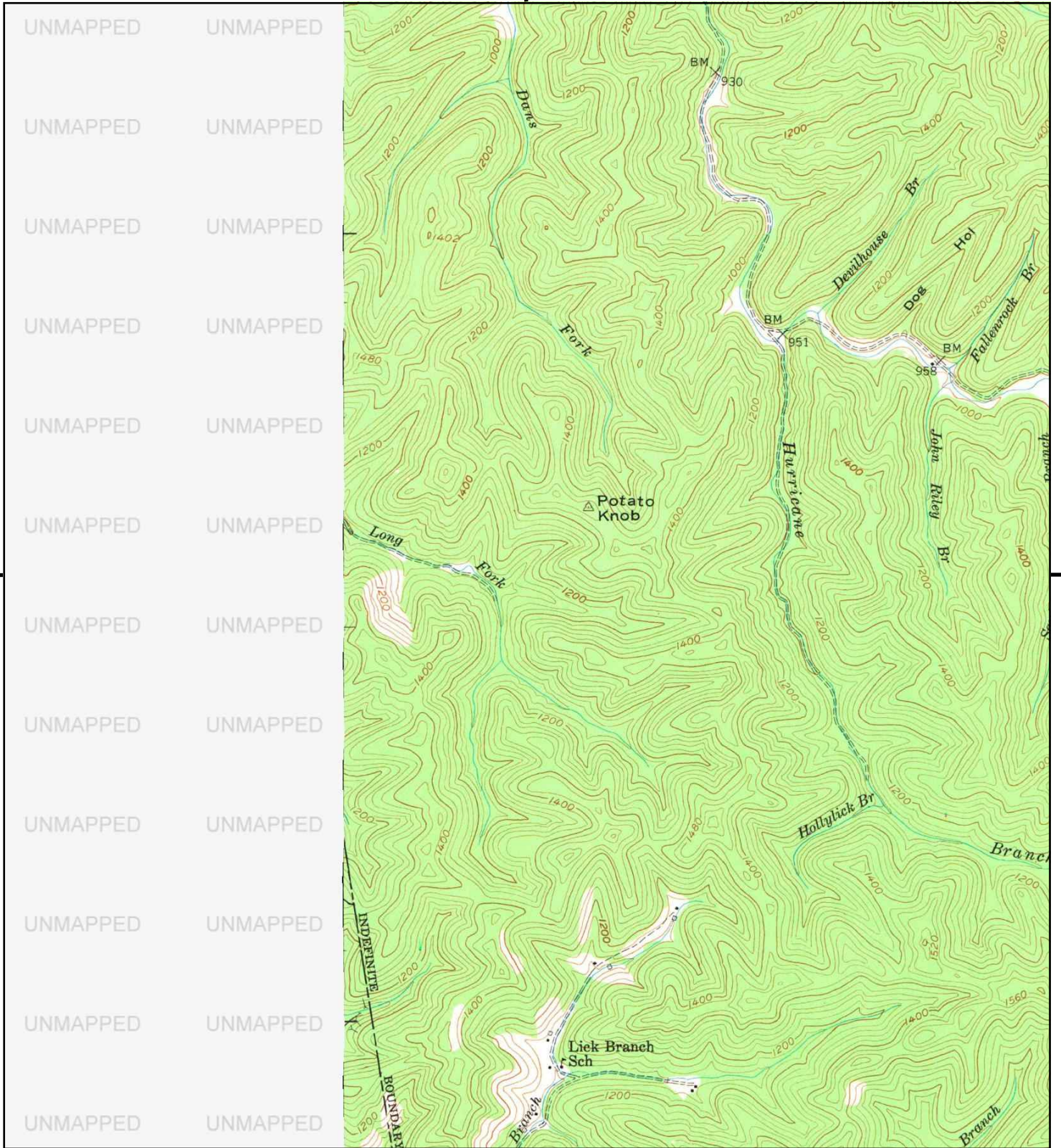
This report includes information from the following map sheet(s).



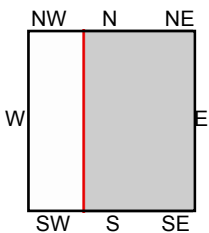
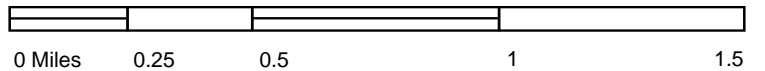
TP, Vest, 1992, 7.5-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





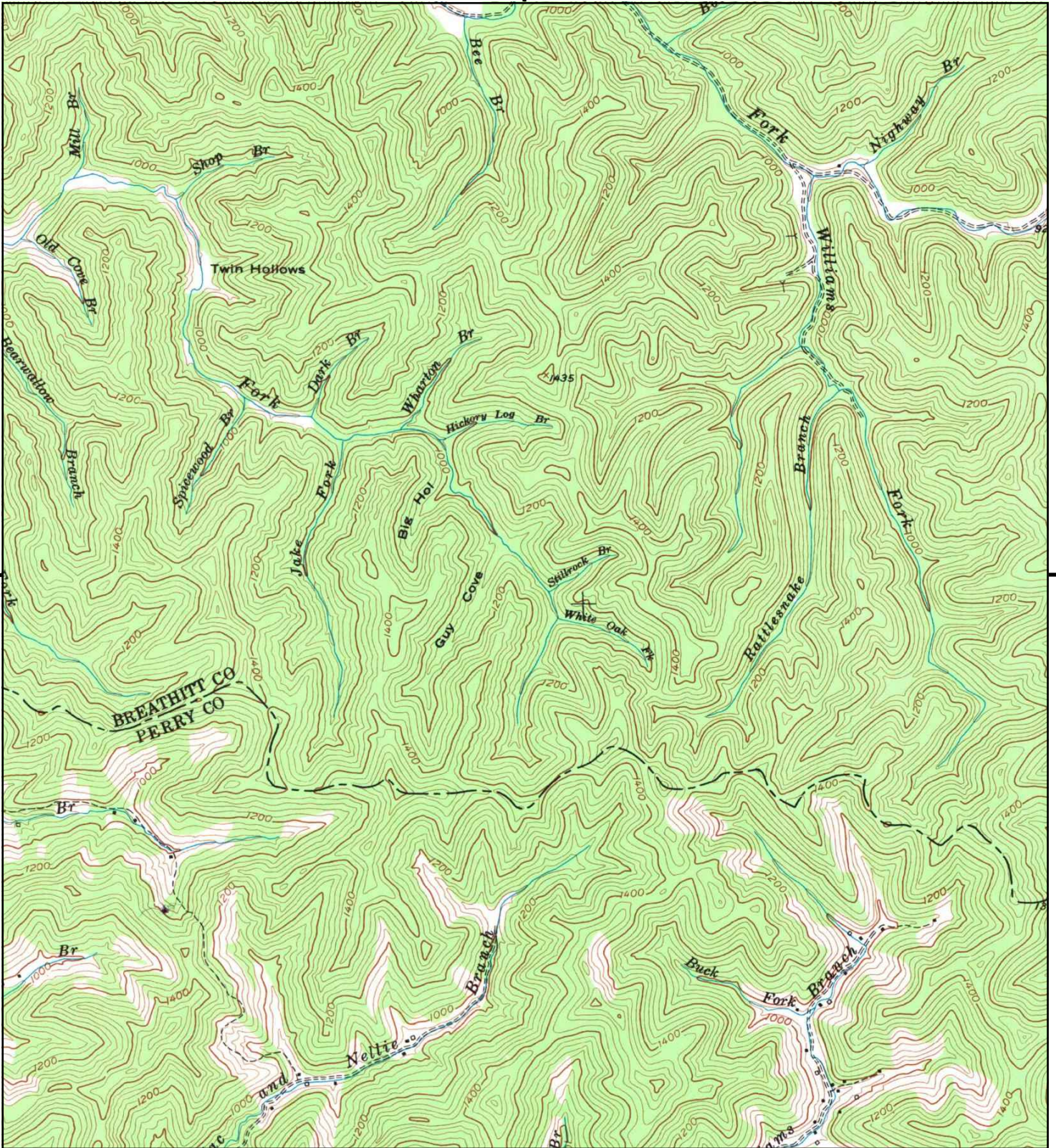
This report includes information from the following map sheet(s).



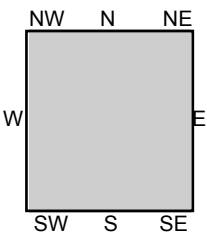
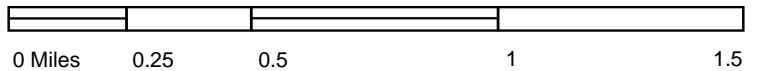
TP, Vest, 1987, 7.5-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





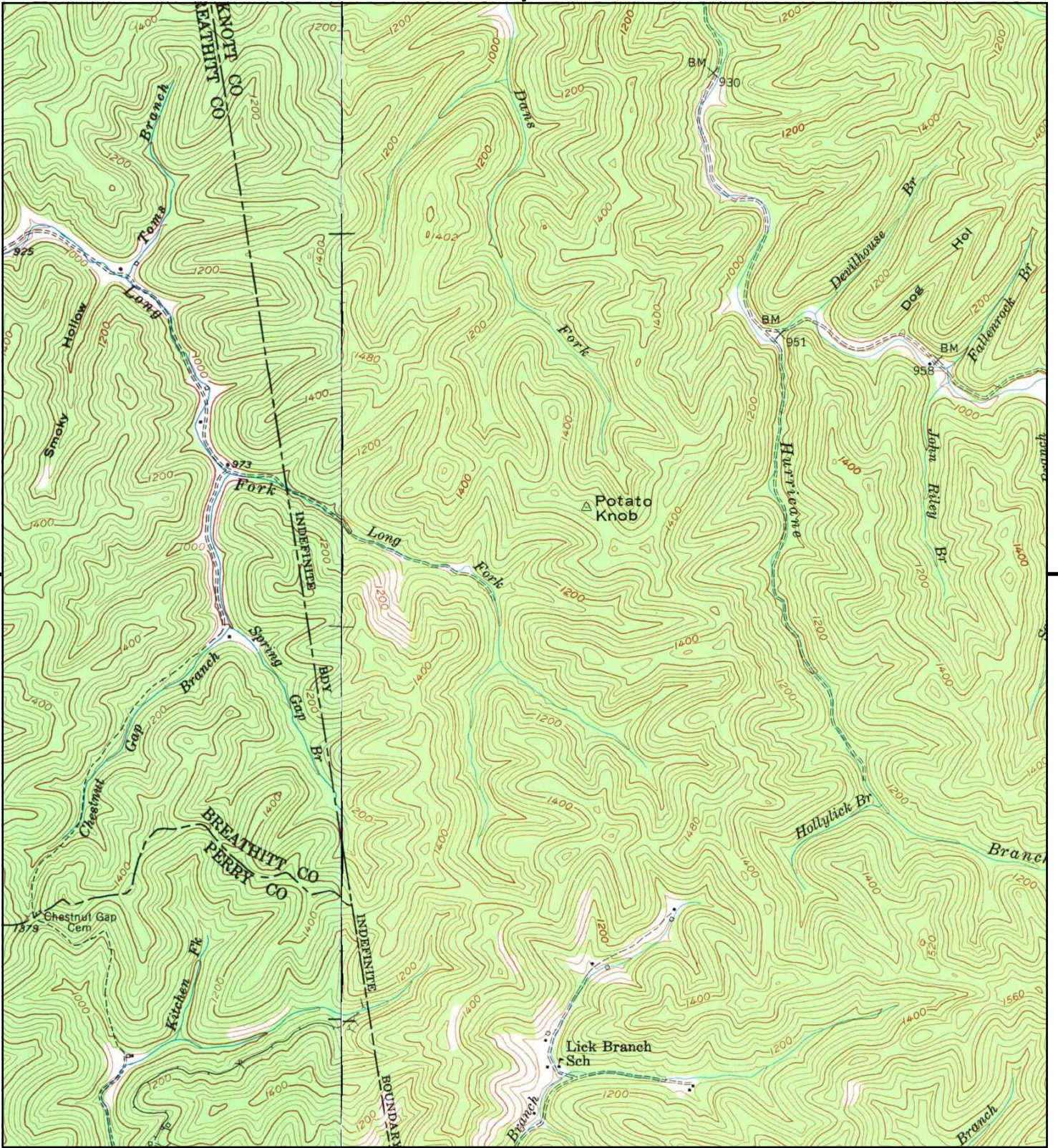
This report includes information from the following map sheet(s).



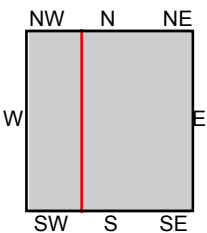
TP, Noble, 1976, 7.5-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





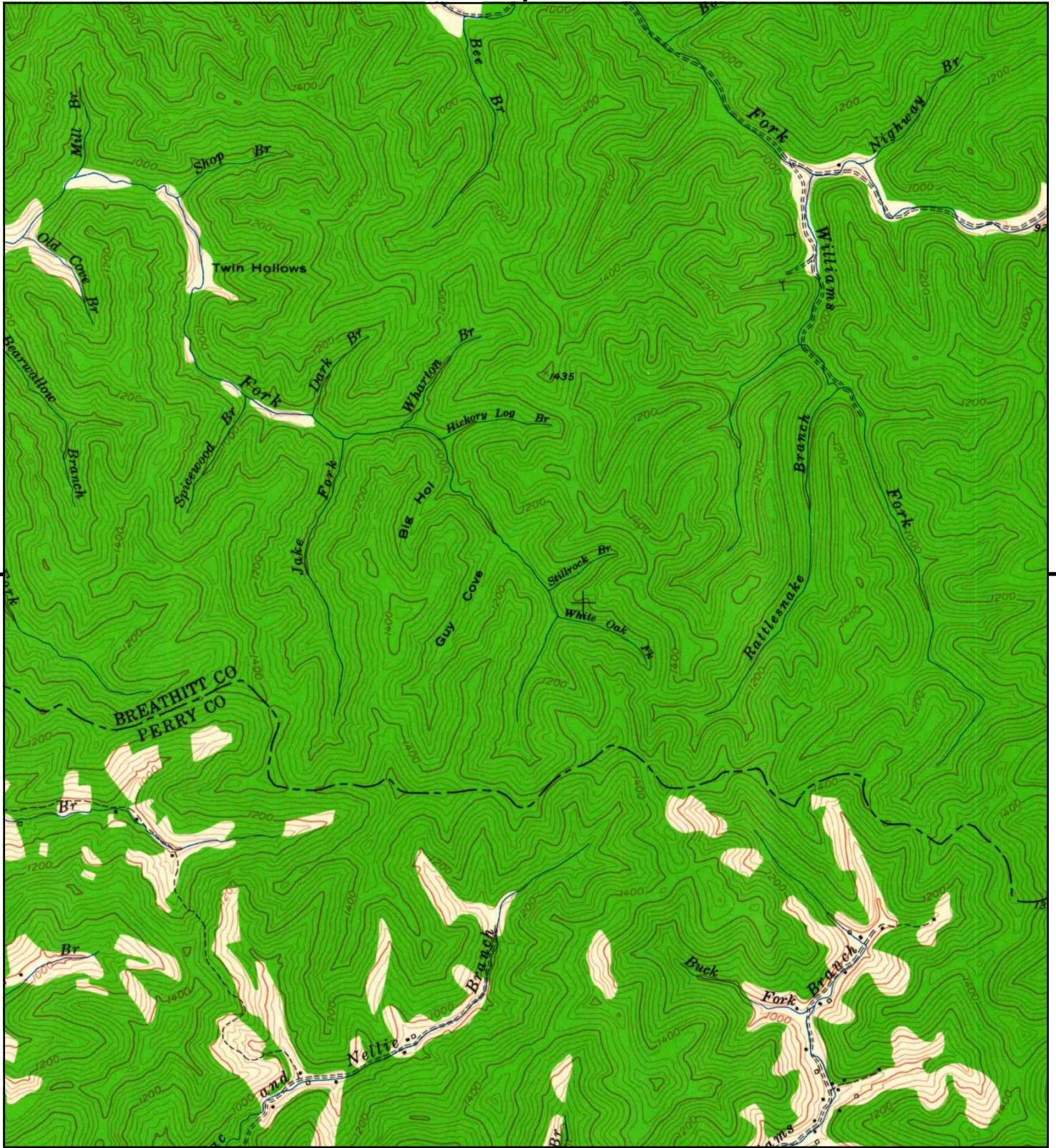
This report includes information from the following map sheet(s).



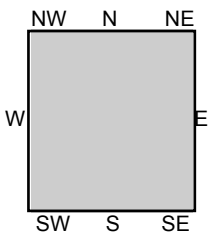
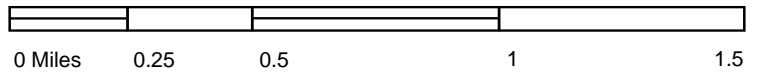
TP, Vest, 1976, 7.5-minute
W, Noble, 1976, 7.5-minute

SITE NAME: Bulan
ADDRESS: Bulan
Bulan, KY 41722
CLIENT: Bacon Farmer Workman Eng & Testing Ir





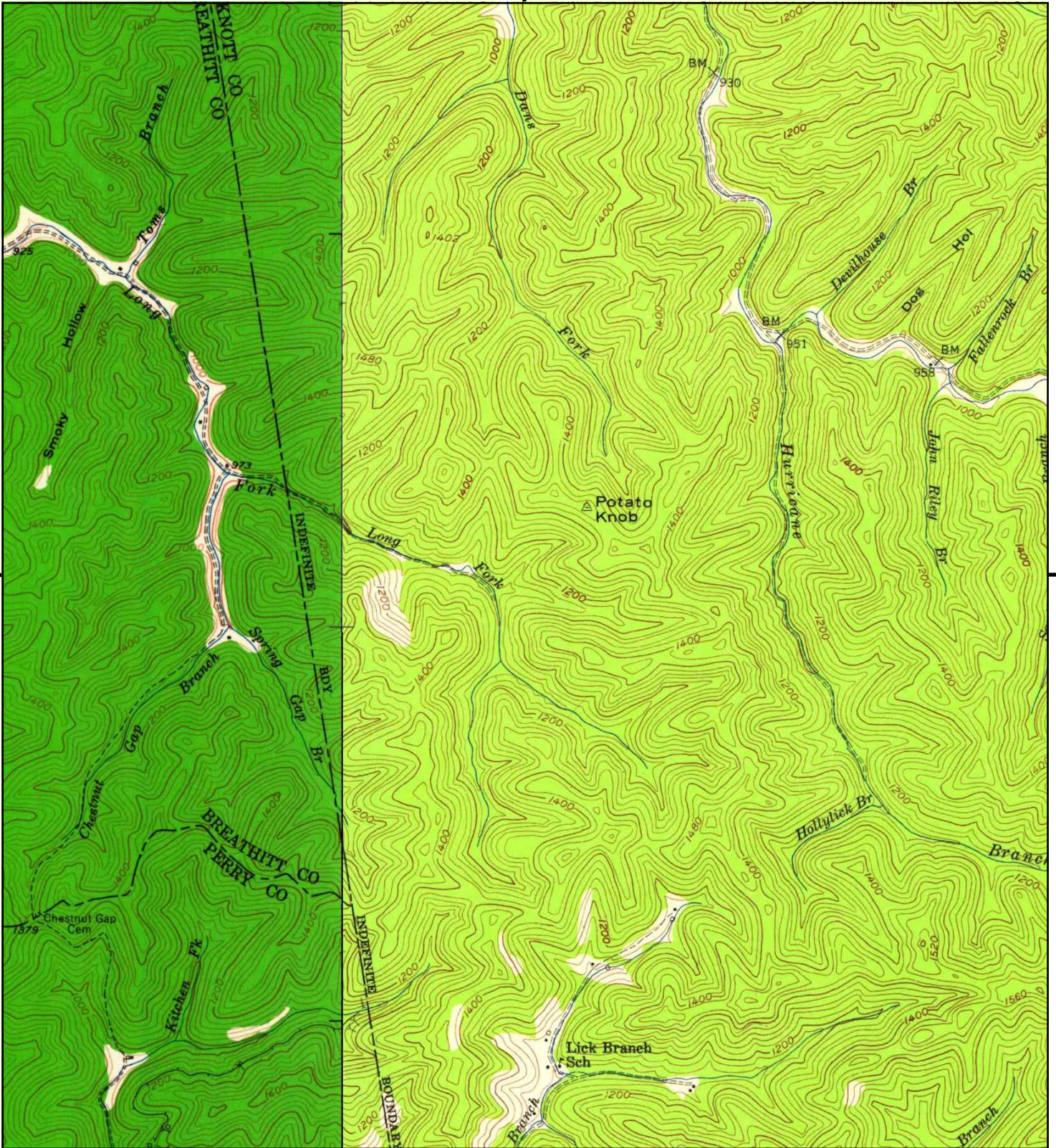
This report includes information from the following map sheet(s).



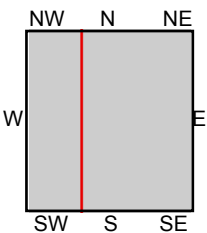
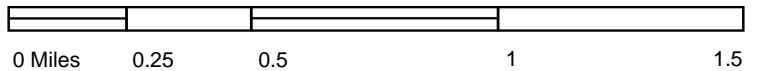
TP, Noble, 1954, 7.5-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





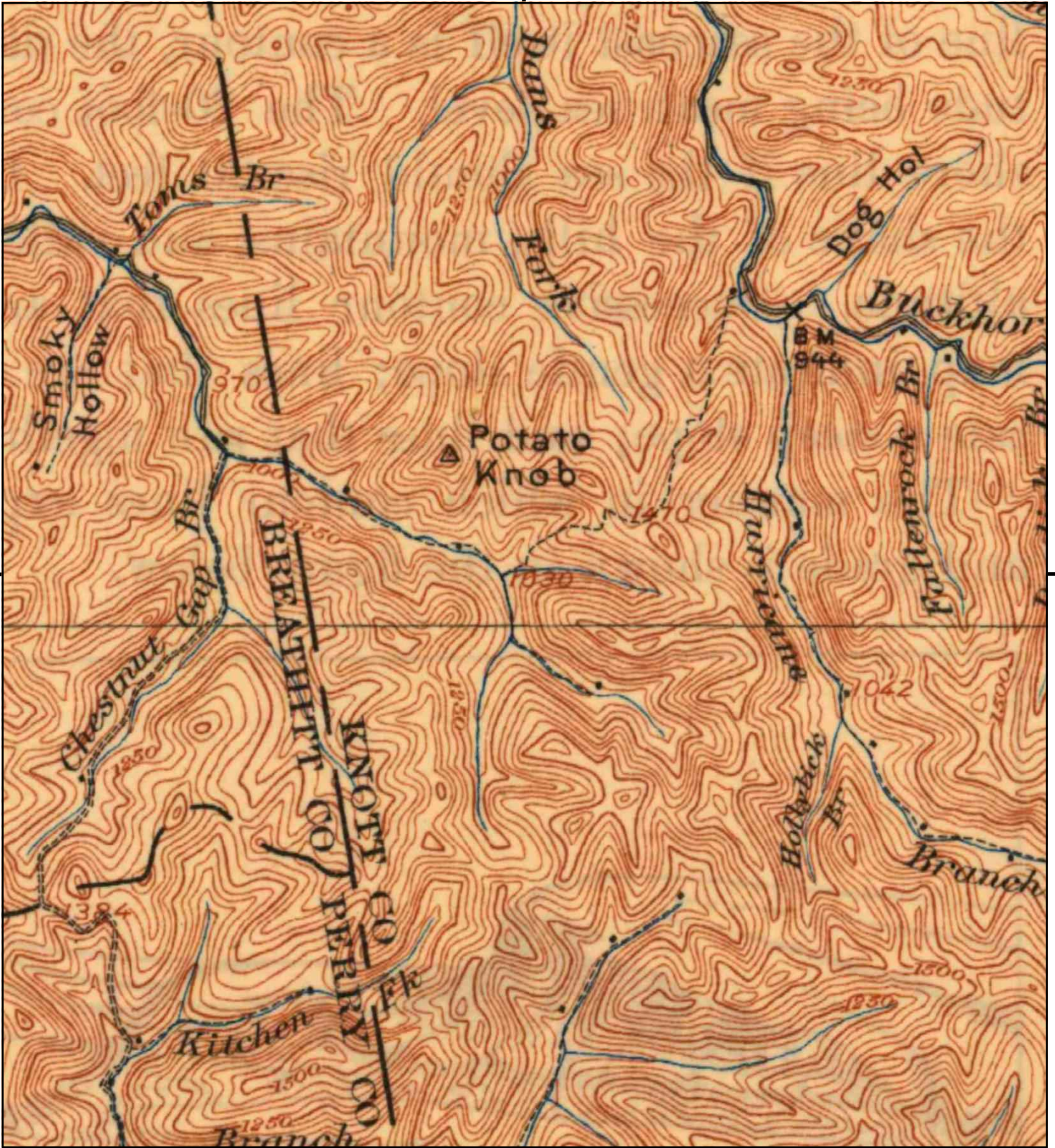
This report includes information from the following map sheet(s).



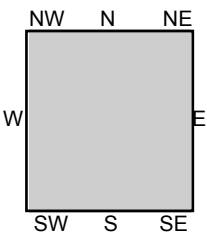
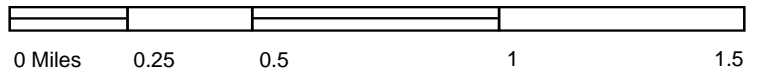
TP, Vest, 1954, 7.5-minute
W, Noble, 1954, 7.5-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





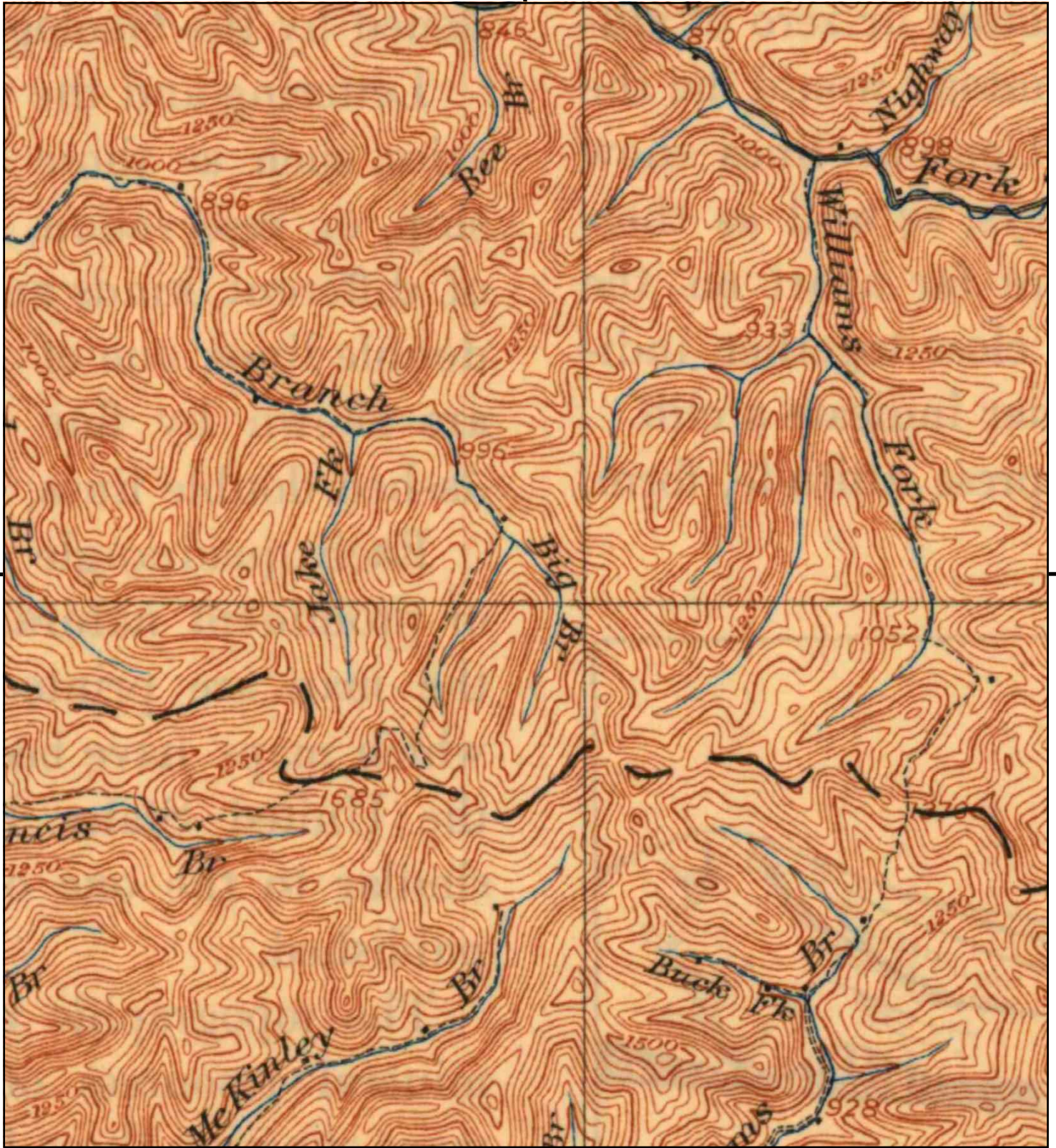
This report includes information from the following map sheet(s).



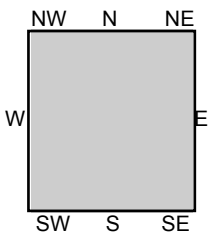
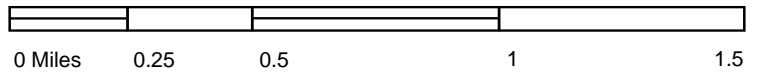
TP, Troublesome, 1914, 15-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





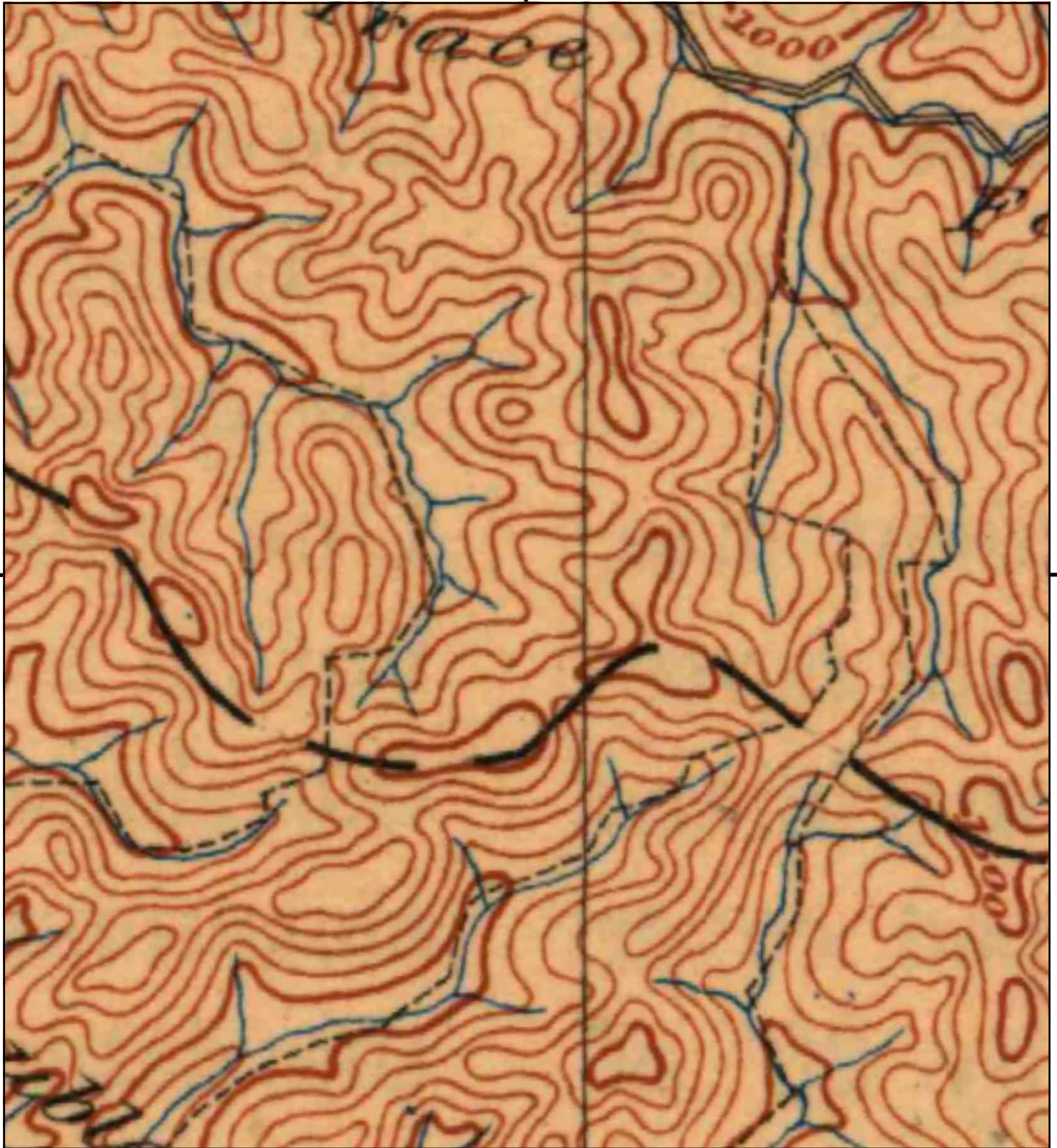
This report includes information from the following map sheet(s).



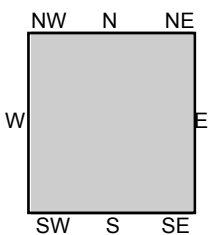
TP, Troublesome, 1914, 15-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir





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



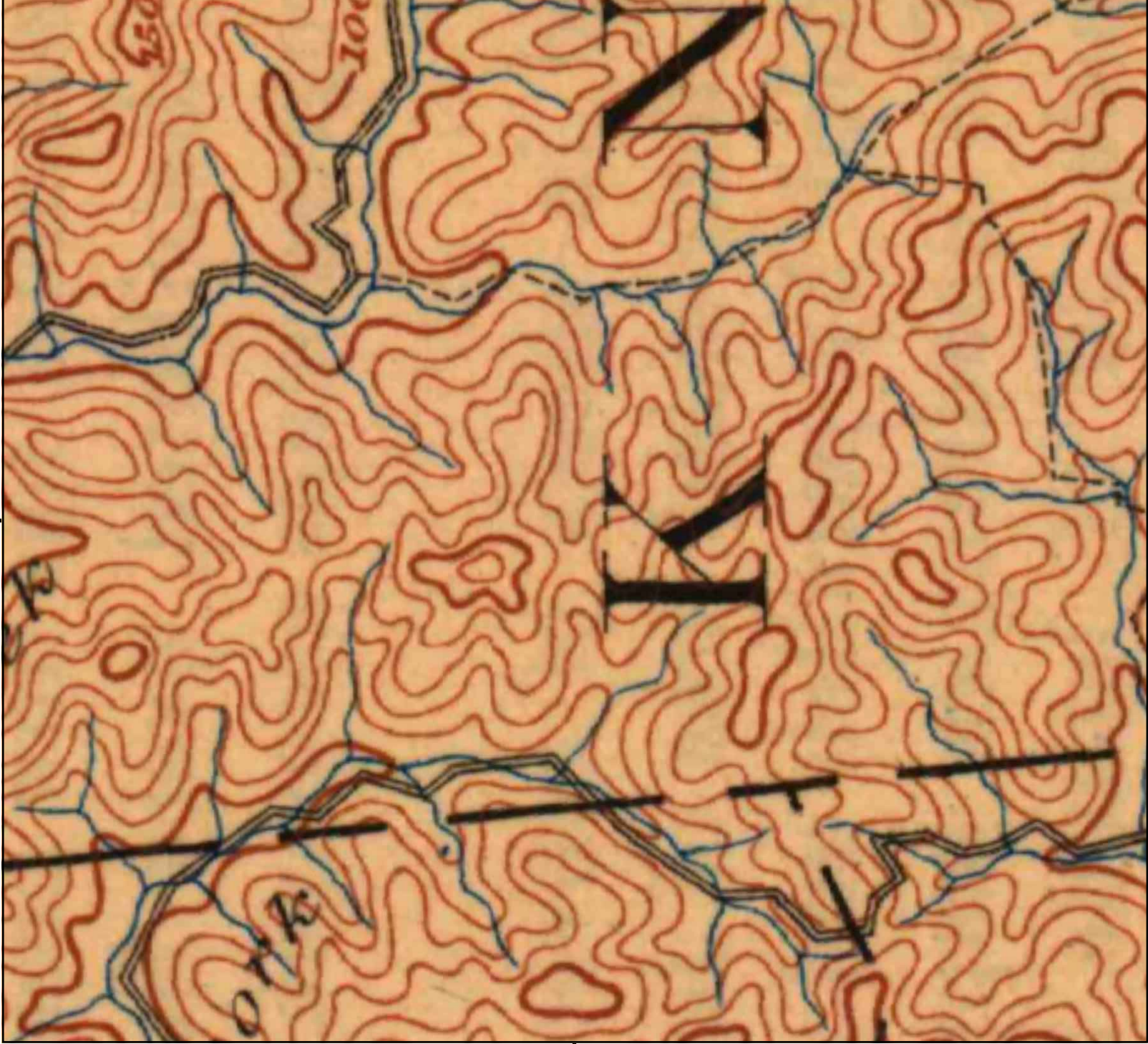
TP, Hazard, 1891, 30-minute

SITE NAME: Bulan
 ADDRESS: Bulan
 Bulan, KY 41722
 CLIENT: Bacon Farmer Workman Eng & Testing Ir



Historical Topo Map

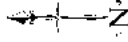
1891



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

NW N NE TP, Hazard, 1891, 30-minute
W S SE

SITE NAME: Bulan
ADDRESS: Bulan
Bulan, KY 41722
CLIENT: Bacon Farmer Workman Eng & Testing Ir



Appendix G

City Directory

Bulan

Bulan

Bulan, KY 41722

Inquiry Number: 7420455.5

August 22, 2023

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2020	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
2014	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2005	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
2000	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
1995	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
1992	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information

FINDINGS

TARGET PROPERTY STREET

Bulan
Bulan, KY 41722

No Addresses Found

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

STARFIRE HAUL RD

2020	-	Cole Information	Street not listed in Source
2014	pg. A1	Cole Information	
2010	pg. A2	Cole Information	
2005	-	Cole Information	Street not listed in Source
2000	-	Cole Information	Street not listed in Source
1995	-	Cole Information	Street not listed in Source
1992	-	Cole Information	Street not listed in Source

City Directory Images

Target Street

Cross Street

Source

-
Attachment to RFI 1-50, Page 220 of 238



Cole Information

STARFIRE HAUL RD

2014

2481 FRASURE CREEK MINING LLC
FRASURE CREEK MINING LLC MAIN OFFICE

Target Street

Cross Street

Source

-
Attachment to RFI 1-50, Page 221 of 238



Cole Information

STARFIRE HAUL RD 2010

2544 FRASURE CREEK MINING LLC

Appendix H

Interview Form



BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.

Mr. Don Gibson,
Blackhawk

10/18/23

PHASE I ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE (ASTM E-1527-21)

INTRODUCTION

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the User must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The User should provide the following information to the Environmental Professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

Property Address(es): Blackhawk facility, Bolan, KY

1. What land use activities have occurred at the site, to your knowledge? Have there been any industrial uses prior to farming?

Site was previously undeveloped forest post-mining use is classified as pasture (cattle)

2. Are you aware of any environmental permits (i.e., solid waste disposal, wastewater, NPDES, underground injection) for the site?

NPDES permit - covers whole site - has many outfalls no no No underground tanks

3. Are there currently, or to the best of your knowledge have there been previously damaged or discarded automobile or industrial batteries, or pesticides, paints, or other chemicals stored on or used at the property? To your knowledge, have any drums (usually 55 gal) been stored at the facility?

Batteries in vehicles - Vehicles that don't run are decommissioned & parts like batteries removed Probably some were stored

4. Are you aware of any spills or hazardous materials activities on the property?

No

Batteries, oil, & oil filters & scrap metal disposed through 3rd party

5. Are you aware of any fill dirt brought to the property from an unknown origin?

No

6. Have any waste treatment or disposal pits or lagoons ever been present on the property?

No

7. To the best of your knowledge, have there been registered or unregistered storage tanks (USTs) on the property?

None underground Aboveground tanks present but none registered



BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.

37.4115
-83.1133

8. Are there any transformers on-site or any records indicating PCBs on the property?

At least 1 small pole mounted
one at main facility ("shop")

One big transformer in west near crusher, no others stored except that big one

Maybe a few
more small ones
on powerlines

9. Are there any wells, septic systems, or other utilities on site?

No wells or septic Only utility is electric Gas pipelines on site but Blackhawk
is not tied in

10. Additional Comments:

More info from Tom is in the Phase I ESA checklist

Authorized User:

[Redacted]

Date:

10/18/23

interviewed by Laura Parnell, BFW

Phase I ESA Checklist (use additional page if needed)

Date of Inspection: 10/16/23 Temperature: _____ Condition: _____

Site Address: _____

Site Contact Name: Pan Gibson (Telephonic or In-Person Interview) off Mullins

Site Inspector's Name: _____

Site Contact Phone No.: _____ Site Contact Email Address: _____

Association with the Property (in years): 25 ~~10~~ 9

Total number of buildings: 1 double wide trailer Year of construction: about 10 years in this area

Total # of units _____; Vacant _____; Occupied ✓ office; Down _____

Please provide a brief description about the property:

1	Janitorial chemicals ^{very} few present	YES <input type="radio"/>	NO <input type="radio"/>								
2	Hazardous chemicals (55-gallons drums or less, locate it on Map): <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Content:</td> <td>Sodium permanganate Caustic → Sodium hydroxide</td> </tr> <tr> <td>Capacity:</td> <td></td> </tr> <tr> <td>Location:</td> <td></td> </tr> </table>	Content:	Sodium permanganate Caustic → Sodium hydroxide	Capacity:		Location:		YES <input type="radio"/>	NO <input type="radio"/>		
Content:	Sodium permanganate Caustic → Sodium hydroxide										
Capacity:											
Location:											
3	Aboveground storage Tanks (AST) 3 standing tanks <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Content:</td> <td>2 AMFO, 1 emulsion - for blasting</td> </tr> <tr> <td>Capacity:</td> <td>50 ton bins No ton sheet says both 60 ton</td> </tr> <tr> <td>Location:</td> <td>10-31</td> </tr> </table>	Content:	2 AMFO, 1 emulsion - for blasting	Capacity:	50 ton bins No ton sheet says both 60 ton	Location:	10-31	YES <input type="radio"/>	NO <input type="radio"/>		
Content:	2 AMFO, 1 emulsion - for blasting										
Capacity:	50 ton bins No ton sheet says both 60 ton										
Location:	10-31										
4	Underground storage Tanks (UST) No <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Content:</td> <td></td> </tr> <tr> <td>Capacity:</td> <td></td> </tr> <tr> <td>Location:</td> <td></td> </tr> </table>	Content:		Capacity:		Location:		YES <input type="radio"/>	NO <input type="radio"/>		
Content:											
Capacity:											
Location:											
5	Transformer: Pole Mounted Transformer / Pad Mounted Transformer Yes most in this area, along	YES <input type="radio"/>	NO <input type="radio"/>								
6	Emergency Power Generator: yes <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Fuel:</td> <td>diesel</td> </tr> <tr> <td>Capacity:</td> <td>-</td> </tr> <tr> <td>Location on property</td> <td>behind office</td> </tr> </table>	Fuel:	diesel	Capacity:	-	Location on property	behind office	YES <input type="radio"/>	NO <input type="radio"/>		
Fuel:	diesel										
Capacity:	-										
Location on property	behind office										
7	-Oil-water separator <input type="radio"/> -Grease trap <input type="radio"/> -Sump <input type="radio"/> -Sand filters <input type="radio"/> No										
For any of the above features present please note <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Numbers:</td> <td></td> </tr> <tr> <td>Capacity:</td> <td></td> </tr> <tr> <td>Date of installation:</td> <td></td> </tr> <tr> <td>Third party contractor/collector:</td> <td></td> </tr> </table>				Numbers:		Capacity:		Date of installation:		Third party contractor/collector:	
Numbers:											
Capacity:											
Date of installation:											
Third party contractor/collector:											

Ethel
1602 C 911

Phase I ESA Checklist (use additional page if needed)

8	Stormwater drain, trench drain (locate if on Map) <i>diversion ditches</i>	YES <input type="radio"/>	NO <input type="radio"/>
9	Septic system (Locate it on Map or Sketch) <i>No</i>	YES <input type="radio"/>	NO <input type="radio"/>
	Capacity:		
	Date of Installation:		
	Third Party Contractor/Collector:		
10	Wells (If Yes what type?) <i>No</i>	YES <input type="radio"/>	NO <input type="radio"/>
	Well Type	Number of Wells	
	Monitoring wells:	<i>present off property</i>	
	Water wells:		
	Gas wells:		
11	Elevator: Hydraulic <input type="radio"/> , Electric <input type="radio"/> , Traction <input type="radio"/>	YES <input type="radio"/>	NO <input type="radio"/>
	Number of Elevators: <i>No</i>		
12	Air compressor (Locate it on Map or Sketch) <i>mobile on trucks</i>	YES <input type="radio"/>	NO <input type="radio"/>
13	Paint booth (likely for auto repair shops) <i>No</i>	YES <input type="radio"/>	NO <input type="radio"/>
14	Pipeline markers (Locate it on Map or Sketch) <i>Yes, natural gas lines</i>	YES <input type="radio"/>	NO <input type="radio"/>
15	Stressed vegetation. (Locate it on Map or Sketch)	YES <input type="radio"/>	NO <input type="radio"/>
16	Pits, ponds, lagoons (likely for recently developed multi-family community, ask where they use water from retention/detention ponds) <i>depressions by parking</i>	YES <input type="radio"/>	NO <input type="radio"/>
17	Dry cleaning chemicals present? (If yes please select one below) Petroleum Solvents <input type="radio"/> , Chlorinated Chemicals <input type="radio"/>	YES <input type="radio"/>	NO <input checked="" type="radio"/>
18	Parts washer (likely for big auto repair shops, and industrial properties)	YES <input checked="" type="radio"/>	NO <input type="radio"/>
19	Hydraulic lift (likely for Auto repair shops, auto dealers)	YES <input type="radio"/>	NO <input type="radio"/>
	Number:	<i>only on boom trucks</i>	
	Aboveground/in-ground:		
	Installation date:		
	Maintenance details/third party contractor who does maintenance and how often, locate it Map):		
20	Trash dumpster: (Locate it on Map or Sketch) <i>yes, blue, near 10-25</i>	YES <input type="radio"/>	NO <input type="radio"/>
21	Trash compactors:	YES <input type="radio"/>	NO <input checked="" type="radio"/>
	Number:		
22	Cardboard compactors:	YES <input type="radio"/>	NO <input checked="" type="radio"/>
	Number:		
23	Staining on soil, pavement: (Locate it on Map or Sketch) Spill Product: <i>minor</i>	YES <input type="radio"/>	NO <input type="radio"/>
24	Strong, pungent, noxious odor:	YES <input type="radio"/>	NO <input type="radio"/>
25	Water intrusion/mold (Locate it on Map or Sketch)	YES <input type="radio"/>	NO <input checked="" type="radio"/>

Blackhawk has maps

sediment ponds all ground perimeter of permit

mined KPRES

Phase I ESA Checklist (use additional page if needed)

Utility Provider/Third party contractor:

- Electricity KY Power
- Water no
- Sewer none
- Natural Gas no
- Solid waste (Trash) Rumple
- Landscaping no
- Oil no

Name all tenants if less than 10 photograph signage if more than 10:

Number	Tennant Name	Visited?
1		Yes/No
2		Yes/No
3		Yes/No
4		Yes/No
5		Yes/No
6		Yes/No
7		Yes/No
8		Yes/No
9		Yes/No
10		Yes/No



BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

USER QUESTIONNAIRE (ASTM E-1527-13)

INTRODUCTION

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the User must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The User should provide the following information to the Environmental Professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

Property Address(es): STARFIRE SURFACE MINE ARY, KENTUCKY

1. What land use activities have occurred at the site, to your knowledge? Have there been any industrial uses?
SURFACE COAL MINING
2. Are you aware of any environmental permits (i.e., solid waste disposal, wastewater, NPDES, underground injection) for the site? YES ASH DISPOSAL, WOOD WASTE: NPDES
3. Are there currently, or to the best of your knowledge have there been previously damaged or discarded automobile or industrial batteries, or pesticides, paints, or other chemicals stored on or used at the property? To your knowledge, have any drums (usually 55 gal) been stored at the facility? NO, LUBRICATION OILS STORED
4. Are you aware of any spills or hazardous materials activities on the property? No
5. Are you aware of any fill dirt brought to the property from an unknown origin? No
6. Have any waste treatment or disposal pits or lagoons ever been present on the property? No
7. To the best of your knowledge, have there been registered or unregistered storage tanks (USTs) on the property? YES, BUT THEY WERE MINED THRU AND REMOVED 20 YEARS AGO
8. Are there any transformers on-site or any records indicating PCBs on the property? No
9. Are there any wells, septic systems, or other utilities on site? YES, OFFICE TRAILER LOCATIONS
10. Additional Comments: _____

Authorized User: _____

DEXTER BRIAN PATTON

Date: _____

11/20/23



BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC.

PHASE I ENVIRONMENTAL SITE ASSESSMENT

USER QUESTIONNAIRE (ASTM E-1527-13)

INTRODUCTION

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the User must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The User should provide the following information to the Environmental Professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

Property Address(es): Starfire Mine, Knott, Perry, & Breathitt Counties, KY

1. What land use activities have occurred at the site, to your knowledge? Have there been any industrial uses?
Mountain Top Removal Coal Mining, Aggregate Removal, Oil & Gas Extraction, Cattle Grazing, UK Tree Growth Studies
2. Are you aware of any environmental permits (i.e., solid waste disposal, wastewater, NPDES, underground injection) for the site? DNR Mining Permits
3. Are there currently, or to the best of your knowledge have there been previously damaged or discarded automobile or industrial batteries, or pesticides, paints, or other chemicals stored on or used at the property? To your knowledge, have any drums (usually 55 gal) been stored at the facility? No
4. Are you aware of any spills or hazardous materials activities on the property? No
5. Are you aware of any fill dirt brought to the property from an unknown origin? No
6. Have any waste treatment or disposal pits or lagoons ever been present on the property? No
7. To the best of your knowledge, have there been registered or unregistered storage tanks (USTs) on the property? Yes, I've seen tanks for oil & gas use, as well as fuel tankers
8. Are there any transformers on-site or any records indicating PCBs on the property? There used to be an electrical transformer 138kV, since removed
9. Are there any wells, septic systems, or other utilities on site? Oil & gas wells, operating. Distribution level wires and comms for mining operations
10. Additional Comments: To my limited knowledge, all current operations are properly permitted, and any existing equipment would be removed post-operations

Authorized User: 
Joseph L. Albrecht

Date: 11/20/2023

Appendix I

RESPEC Memo



EXTERNAL MEMORANDUM

To: Lindsey Hesch
Director, Permitting
BrightNight

From: Michael Ricci, Principal Engineer
RESPEC
162 E 3rd St
Lexington, KY 40508

Date: July 25, 2023

Subject: Permitting Overview, History, and Future Modifications

RESPEC created a summary of the typical permitting requirements for surface mining operations in the state of Kentucky. Particular attention is directed to the surface mining application issued by the Department of Natural Resources. The permitting history within the project area is presented along with a brief description of the anticipated future permitting actions required.

ENVIRONMENTAL REGULATIONS

PERMITTING PROCESS FOR COAL MINES

The federal law regulating the environmental aspects of coal mining is the Surface Mining and Reclamation Control Act (SMCRA), enacted in 1977. The Kentucky Department of Natural Resources (KYDNR) is the primary agency administering the SMCRA with the federal Office of Surface Mining (OSM) providing oversight. All discharges from a mining operation in the waters of the Commonwealth require a Kentucky Pollution Discharge Elimination System (KPDES), issued, and enforced by the Kentucky Division of Water (KYDOW). Additionally, operations that affect the Waters of the US are required to obtain a 404 Clean Water Act permit from the US Army Corps of Engineers and a 401 Water Quality Certification from KYDOW.

The SMCRA mine application addresses many of the same components of a NEPA application. When a surface mining application is submitted to the KYDNR, the KYDNR alerts US Fish & Wildlife, KY Fish & Wildlife, the State Historic Preservation Officer, and the KY Division of Water. The mining plan must also address the protection of utilities in the vicinity, such as gas lines and power lines. All original applications, amendments, and major revisions require a public notice to be posted once a week for four consecutive weeks. A public comment period begins at the end of the posting of the public notice. Public comments are

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considered by the KYDNR in its review of the permit application. A public hearing is granted when the KYDNR deems it is warranted.

Reclamation bonds are posted to provide financial assurances to complete the reclamation should the permittee fail. Bonds are typically released in three phases:

- / Phase 1 – Mining is completed, the site has been regraded to the final design configuration, and the area has been reseeded. 60% of the original bond is released.
- / Phase 2 – Revegetation has been established for two growing seasons (years) and erosion is controlled. 25% of the original bond is released.
- / Phase 3 – Revegetation has been established for five years and the revegetation meets the performance standards presented in the mining permit application. All remaining bonds are released.

It is noted that the Phase 3 bond release requires public notice, with a comment period that follows. Notifications are sent to surface owners, the county judge-executive, and the OSM. It is the current policy of the OSM to attend all Phase 3 site visits.

SITE-SPECIFIC ENVIRONMENTAL PERMITTING

This general area has been extensively surface mined for decades. The Kentucky Division of Mine Permits maintains a shapefile of permit boundaries. A search for permit boundaries in the vicinity of the BrightNight Starfire project found 180 unique permit numbers. Eight of those permits are classified by the KYDNR as active with two of those actively producing. Ten of the 180 permits have completed mining operations and are in one of the phases of bond release. One of the 180 permits is not disturbed. These 19 permits are presented in Table 1.

Table 1 - Active/Bonded Permits

Permit Number	Mine Status	Permittee
8130409	P1	ICG HAZARD LLC
8130410	P1	ICG HAZARD LLC
8130413	AP	ICG HAZARD LLC
8600539	P1	ICG HAZARD LLC
8600542	AP	ICG HAZARD LLC
8600543	ND	ICG HAZARD LLC
8600563	P1	LIBERTY MANAGEMENT LLC
8600564	P1	LIBERTY MANAGEMENT LLC
8607017	A1	ICG HAZARD LLC
8609021	A1	LIBERTY MANAGEMENT LLC
8970583	P1	ICG HAZARD LLC
8970585	A1	ICG HAZARD LLC
8970608	P1	LIBERTY MANAGEMENT LLC



Permit Number	Mine Status	Permittee
8970609	P1	LIBERTY MANAGEMENT LLC
8970610	A1	LIBERTY MANAGEMENT LLC
8970611	P1	LIBERTY MANAGEMENT LLC
8970616	P1	LIBERTY MANAGEMENT LLC
8977028	A1	LIBERTY MANAGEMENT LLC
8978065	A2	LIBERTY MANAGEMENT LLC

The initial phase of the project is expected to construct in areas included in permits 860-0542, 813-0413, 897-0609, 860-0562, and 860-9021. Of these 5 permits, it is expected that all the overlapped areas will have reclamation bonds fully released at the time of construction except for permits 860-0542 and 860-9021. Permit #860-9021 covers the network of haul roads connecting the various mining areas within the Starfire mining complex. BrightNight will coordinate with the permittee to assure that access remains open to all areas requiring access. Most of the area proposed for the initial construction area is within the boundaries of permit #860-0542, held by ICG Hazard LLC. Permit #860-0542 is currently being mined. It is expected that the BrightNight construction area will overlap areas of permit #860-0542 with active reclamation bonds. Table 2 presents the permitting history for permit #860-0542.

Table 2 - Permit 860-0542 History

Type	Date Issued	Expiration Date	Acres Permitted	Sequence	Permit No
MINOR REVISION	12/14/2022	4/23/2024	0.3	7	8600542
MID-TERM REVIEW	5/3/2022	4/23/2024	0	6	8600542
MINOR REVISION	3/19/2021	4/23/2024	0	6	8600542
MINOR REVISION	1/2/2020	4/23/2024		5	8600542
RENEWAL	4/8/2019	4/23/2024	0	3	8600542
MINOR REVISION	3/7/2019	4/23/2019		4	8600542
MID-TERM REVIEW	2/18/2019	4/23/2019	0	5	8600542
MAJOR REVISION	9/6/2018	4/23/2019	18.2	3	8600542
MID-TERM REVIEW, SPECIAL	1/23/2017	4/23/2019	0	1	8600542
AMENDMENT	12/8/2016	4/23/2019	1139.3	3	8600542
MID-TERM REVIEW	6/20/2016	4/23/2019	0	4	8600542
MAJOR REVISION	12/4/2015	4/23/2019	9.1	2	8600542
AMENDMENT	4/27/2015	4/23/2019	488.3	2	8600542
SUCCESSION	4/16/2014	4/23/2019	1084.2	3	8600542



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Type	Date Issued	Expiration Date	Acres Permitted	Sequence	Permit No
MID-TERM REVIEW	3/14/2014	4/23/2019	0	3	8600524
RENEWAL	1/23/2014	4/23/2019	0	2	8600524
SUCCESSION	9/10/2013	4/23/2014	1084.2	2	8600524
AMENDMENT	3/1/2013	4/23/2014	487.7	1	8600416
MID-TERM REVIEW	6/27/2011	4/23/2014	0	2	8600416
RENEWAL	2/4/2009	4/23/2014	0	1	8600416
MID-TERM REVIEW	8/8/2007	4/23/2009	0	1	8600416
SUCCESSION	4/12/2005	4/23/2009	596.5	1	8600416
MINOR REVISION	11/19/2004	4/23/2009	5	1	8600403
NEW	4/23/2004	4/23/2009	591.5	1	8600403

Table 3 presents a chronological listing of some of the key determinations involving responses to critical resource items such as threatened and endangered species, cultural resources, protected waters, and required protection or enhancement plans. Although not listed on the timeline, a public notice and a public comment period occurred for each new, succession, amendment, and major revision.

The final two items on the timeline are two anticipated permitting actions: a prospecting permit and a major revision. The prospecting permit will be submitted to allow drilling within the permitted area to obtain geotechnical samples. The second permitting action will be a major revision. This revision is critical to the coordination of the solar project with the ongoing surface mining operation. The revision will include a request for a change of the postmining land use to industrial/commercial. The request will require surface owner approval and will go through the public notice process. This permitting action will outline the requirements to determine that the mining operation is completed sufficiently and that the obligations of the solar company are significant enough to warrant a full release of the bonds and thereby the surface mining permit. It is anticipated at this time that the requirements will include:

- / Proof of financial commitment by the solar company.
- / The permittee achieving the final approved grading configuration.
- / The areas to be released are to be seeded as per the DNR permit's revegetation schedule.
- / The solar company physically performs construction, such as earthwork, road construction, or power line access construction.

This plan will be the result of a coordinated effort between the coal company and the solar company. There are modifications to the surface mining permit which may be beneficial to both parties and fully comply with the surface mining regulations. The most obvious advantage to the coal company is that areas will not be required to wait the usual five years period to establish vegetation. The solar company could benefit from items such as changes to the final grading plan which may increase the usability of the reclaimed areas and modifications of the revegetation seeding mixtures better suited for a solar project.



Table 3 - Critical Resource Decisions

Letter	Date	Subject	Notes
BIOLOGICAL SURVEY	12/17/2002		
ARCHAEOLOGICAL SURVEY	12/18/2002		
ARCHAEOLOGICAL SURVEY	12/18/2002		
TEAM WALK PHOTOS	1/16/2003	Biologic Conditions at permit site	Area was previously surveyed for archeological sites under permit 860-003, AM-1. There are no federally threatened/endangered species within 10 miles of the permit area
ACCEPT STUDY PLAN LTR	4/23/2003	Aquatic Survey	study plan has been deemed acceptable. Comments from KDFWR.
AAA CLEARANCE MEMO	4/24/2003	AAA Clearance	Archaeological and biological surveys are not required. CRRS information is now considered "Administratively complete"
TRANSMITTAL LTRS	11/20/2003		
BIOLOGICAL SURVEY	11/24/2003		
TAC CLEARANCE MEMO	11/24/2003	TAC Clearance	All archaeological/biological information has been submitted and approved. CRRS information is now considered technically approved.
860-0416 Letter	8/8/2005		"discharges associated with the referenced permanent program...have been approved) coverage starts on this date EFFECTIVE UNTIL GENERAL PERMIT EXPIRES
860-0416 AM 1 KDFWR	9/27/2005		Stream channel should be reconstructed to be like original



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Letter	Date	Subject	Notes
AT_14_01B	10/20/2005	CRRS review DNR	No threatened or endangered species. However, Breathitt and Knott counties lie within the natural range of the Indiana bat. Lists recommendations pertaining to work occurring in/around forests and rock shelters
TAC Clearance Memo	6/2/2006	TAC Clearance	CRRS information is now considered technically approved
CRRS Combined Cover	6/9/2006	Second CRRS review	proposed permit will not affect an exceptional water located on buckhorn creek. Archaeologic survey not required, no T/E species identified, no fish and wildlife survey required, fish and wildlife enhancement plan required
AT_14_01A	6/9/2006	F&W info	DMP review states no endangered species have been identified within or adjacent to the proposed permit area.
KPDES 860-0416 DENIED DNR water	2/17/2010		Long Fork impaired - require a separate permit from KPDES
CRRS-MT Memo	10/4/2013	MT review	Notification that the permit has potential Indiana bat habitat. States that potential impacts were not addressed in previous actions or the previous determinations are no longer valid. No disturbance may occur anywhere within the permit area until permitting action has been submitted and

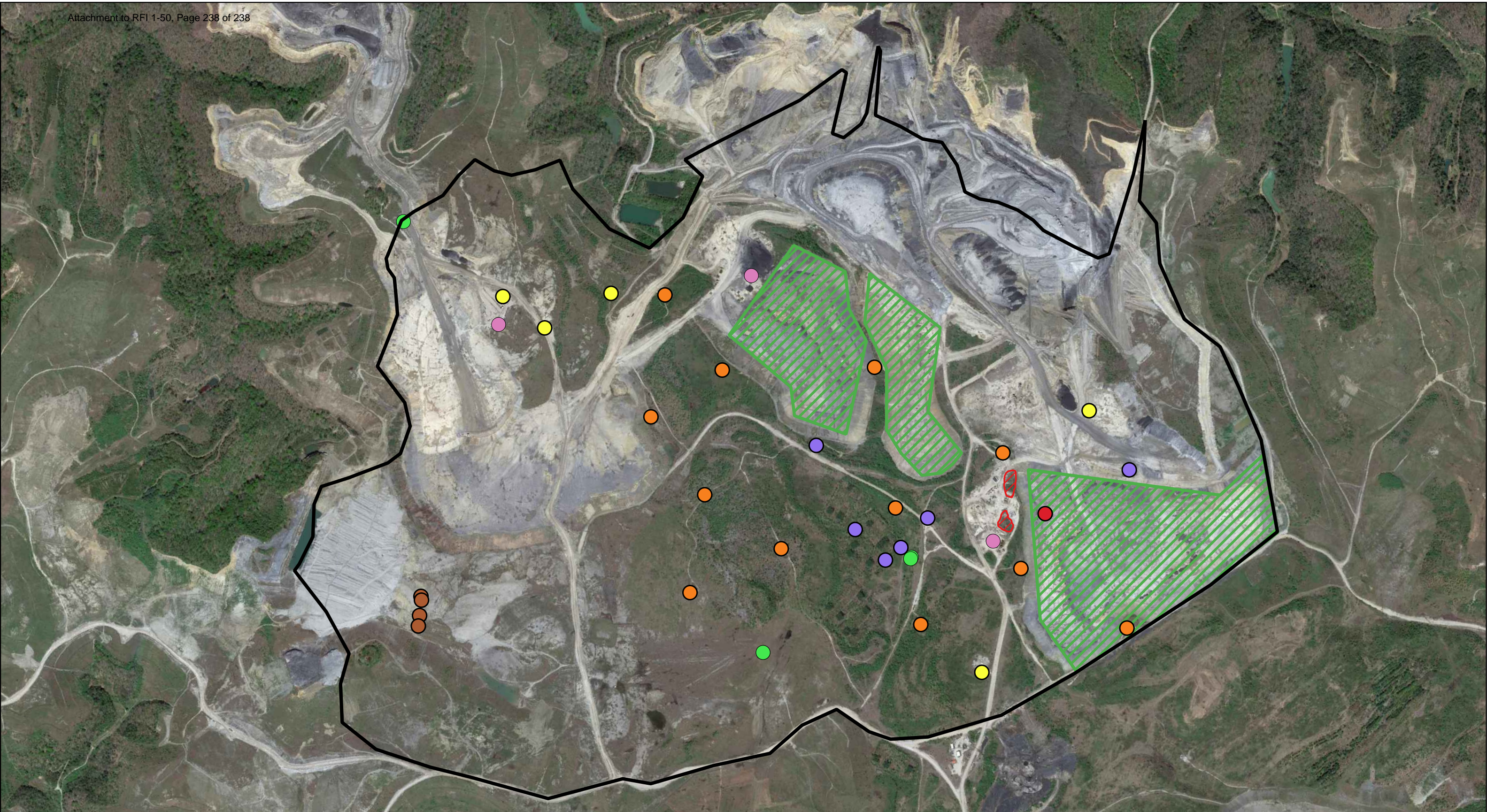


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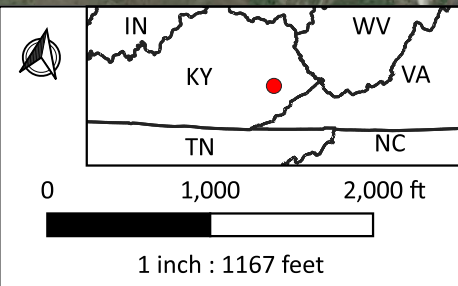
Letter	Date	Subject	Notes
			approved which provides an Indiana bat survey of the permit area, or implementation of a protection and enhancement plan (PEP)
860-0542 AM-02	1/15/2015		no stream restoration, archaeological survey, F&W survey is required. No T/E species id. F&W enhancement plan required
860-0542 MA-02	10/5/2015		CRRS is considered technically approved. TAC memo - application has an approved IN bat plan
860-0542 KPDES	1/27/2016		grant/ extend coverage NW thru MA_02
860-0542 MA-03	11/16/2017		item 14. application has approved bat plan (PEP)
860-0542 KPDES	5/12/2023		grant coverage MI-07 (Mod)
Prospecting Permit	Submitted 8/1/2023		Will be submitted to allow geotechnical drilling to occur on permitted areas
Proposed Major Revision	Submitted 8/15/2023		Submit Major revision to modify PMLU and present plan for full bond release standard

SAFETY REGULATIONS

Mining operations must comply with safety regulations, enforced by the Kentucky Department for Mines and Minerals (KYDMM) and the federal Mine Safety and Health Administration.



LEGEND		
Oil/Gas Infrastructure	Misc Tanks	Structure
Equipment/Vehicles	Leaking Tank	Oil on Ground
EDR Record	Surface Mine	Mitigation Areas



Phase I Location Map		
BrightNight - Star Fire		
Project Number: 23526	Drafted/Checked: HK/SC	Date: 2023-11-17