

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2019	7.5
2016	7.5
2013	7.5
1954	7.5
1954	15
1909	15
1907	15

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

[Page 223 of 1918 Topographic Instructions](#)

[Page 130 of 1928 Topographic Instructions](#)

1947-2009

[Topographic Map Symbols](#)

2009-present

[US Topo Map Symbols](#)

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

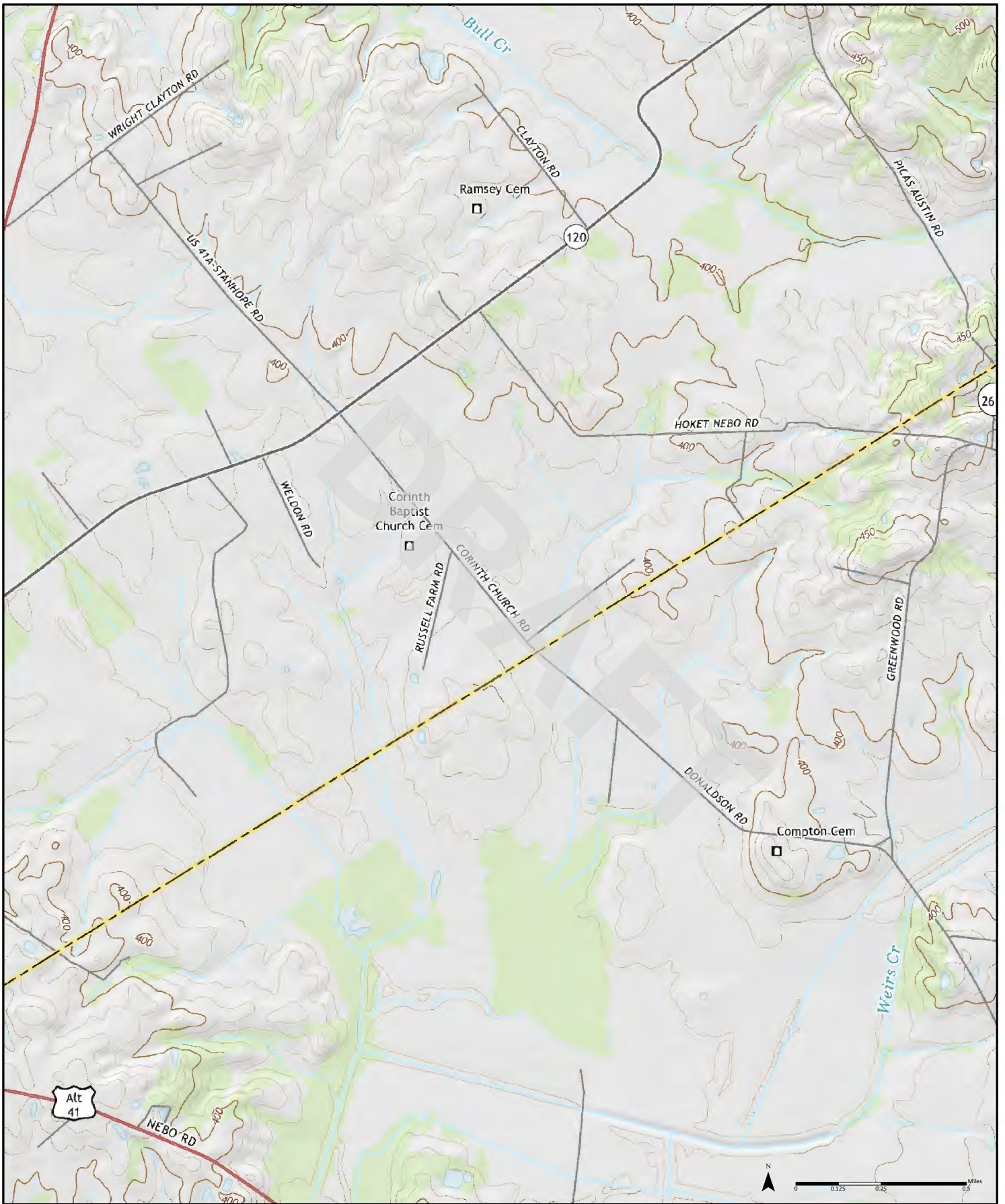
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS.

This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services

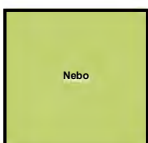
A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com



2019

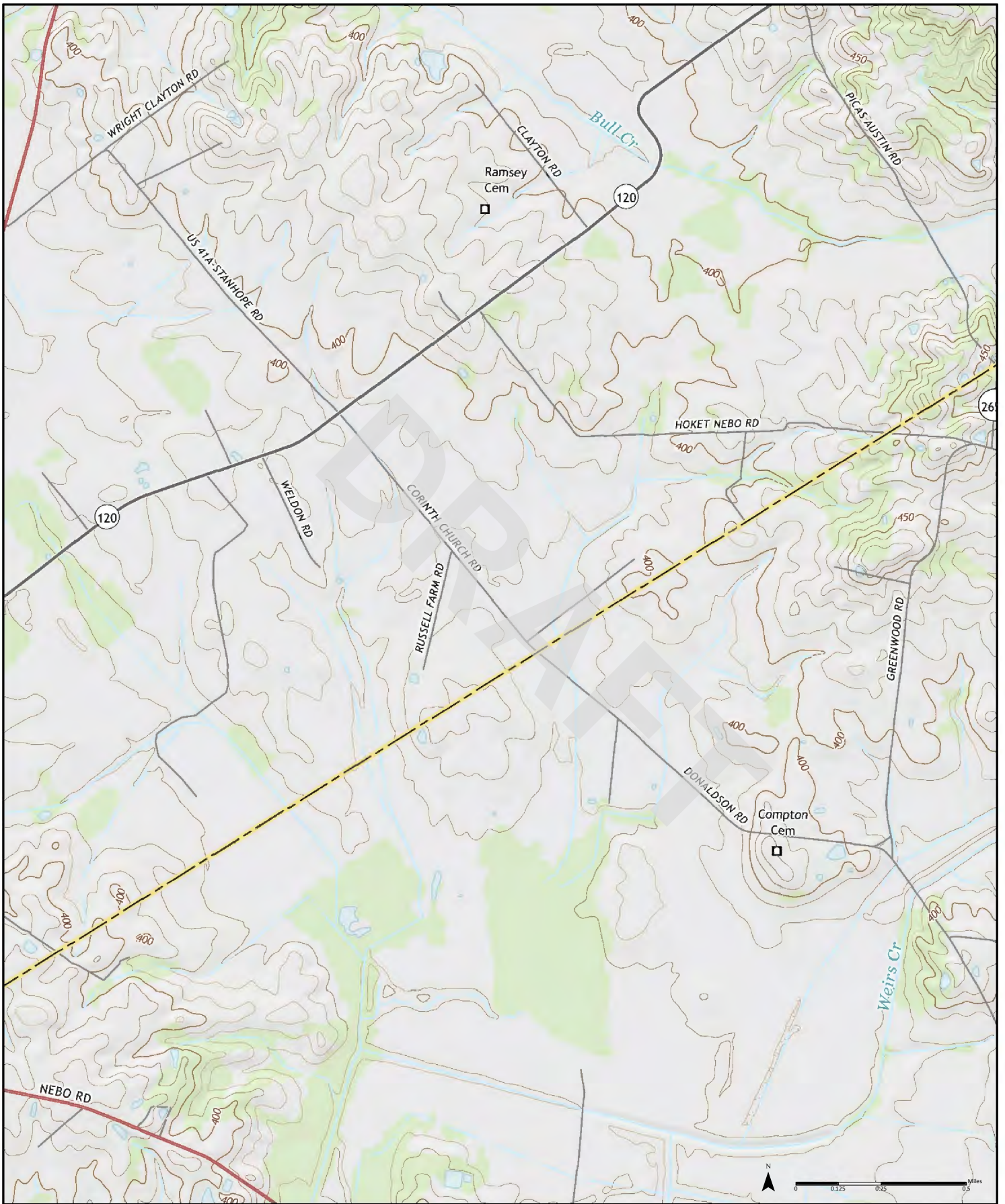
Order No. 24020600826



Available Quadrangle(s): Nebo, KY

Source: USGS 7.5 Minute Topographic Map





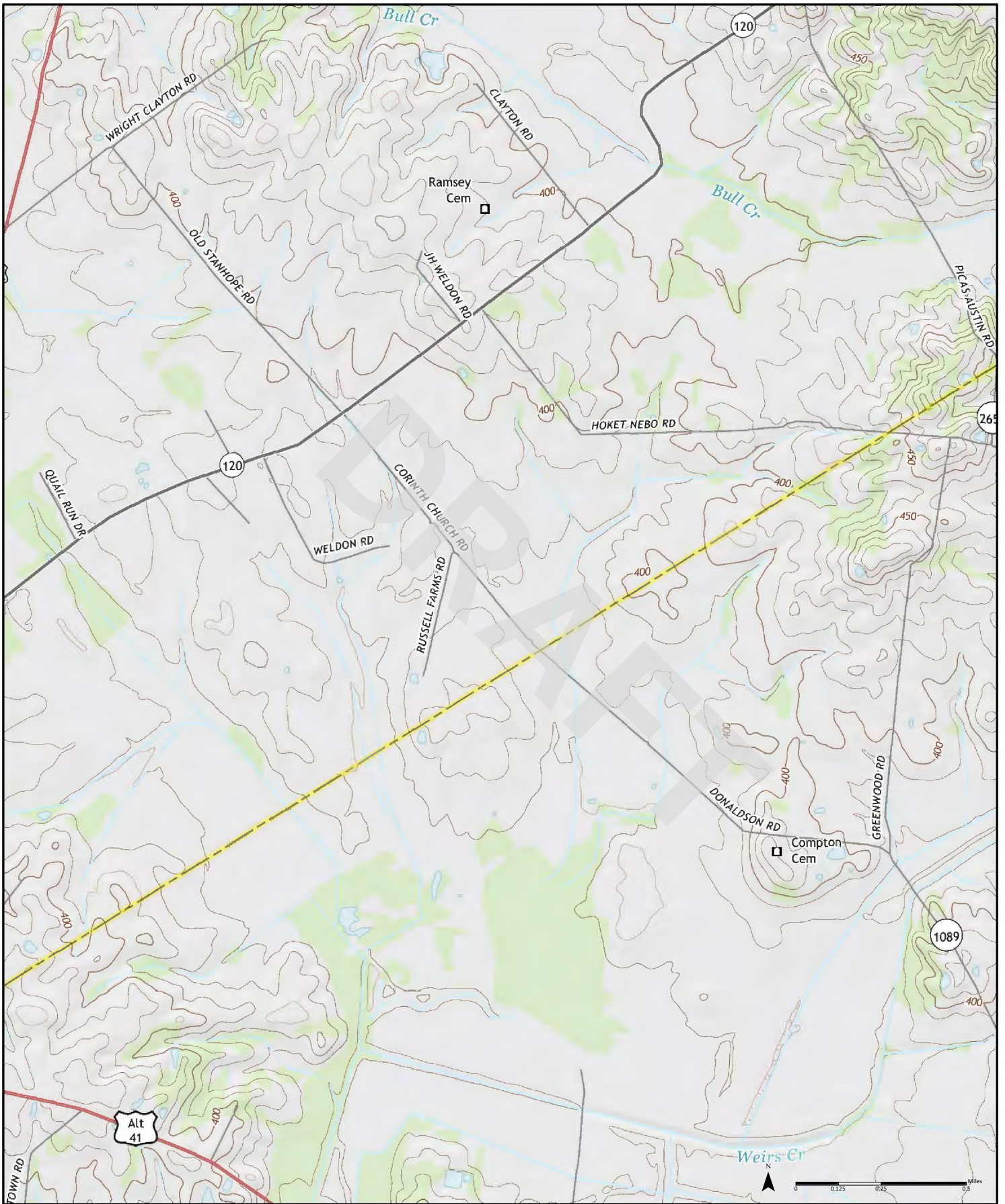
2016

Order No. 24020600826

Available Quadrangle(s): Nebo, KY



Source: USGS 7.5 Minute Topographic Map



Order No. 24020600826

2013



Available Quadrangle(s): Nebo, KY



Source: USGS 7.5 Minute Topographic Map

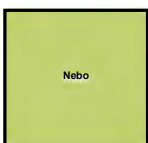


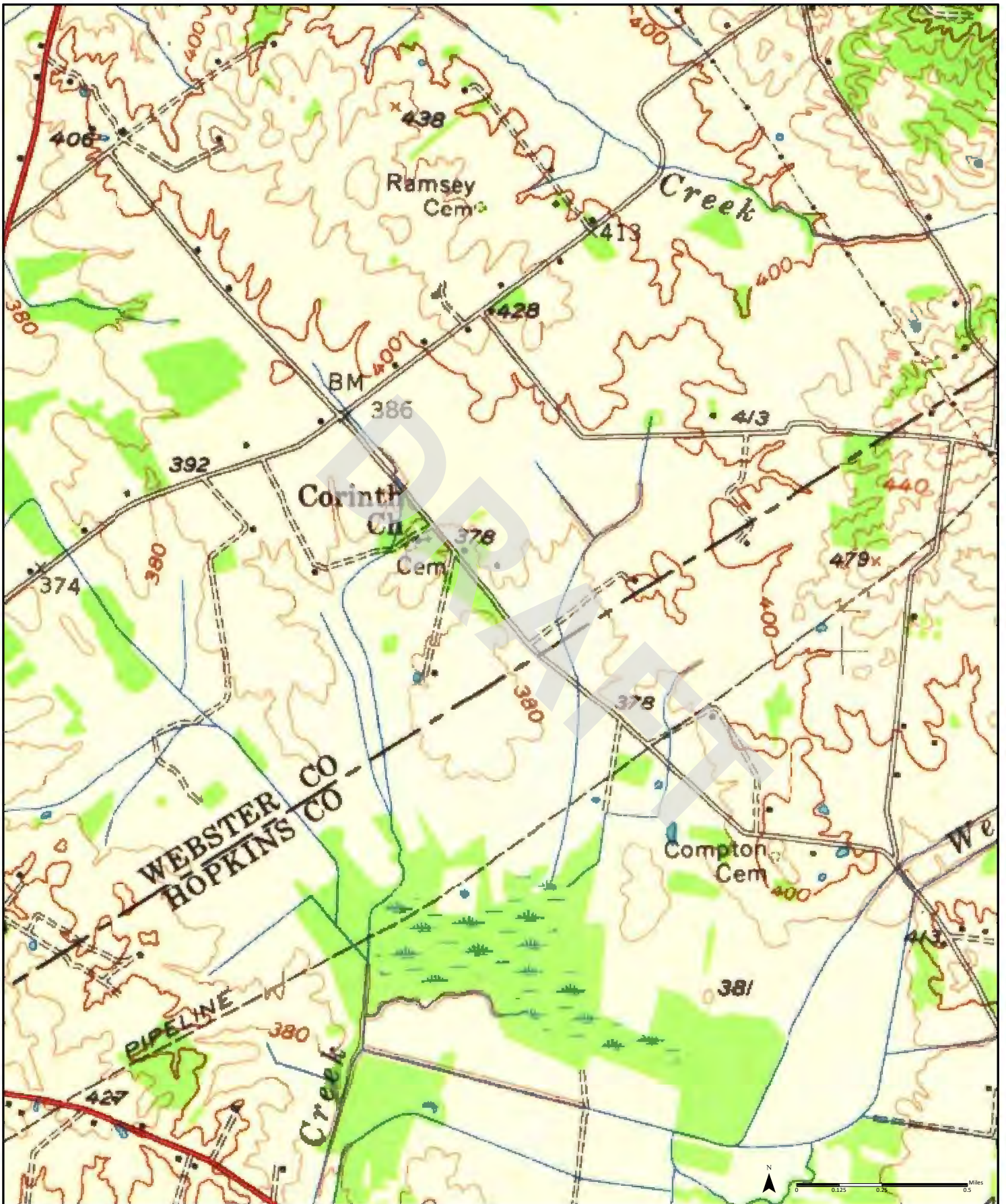
1954

(1-1954)
Aerial Photo Year: 1952

Order No. 24020600826

Available Quadrangle(s): Nebo, KY (1-1954)





1954

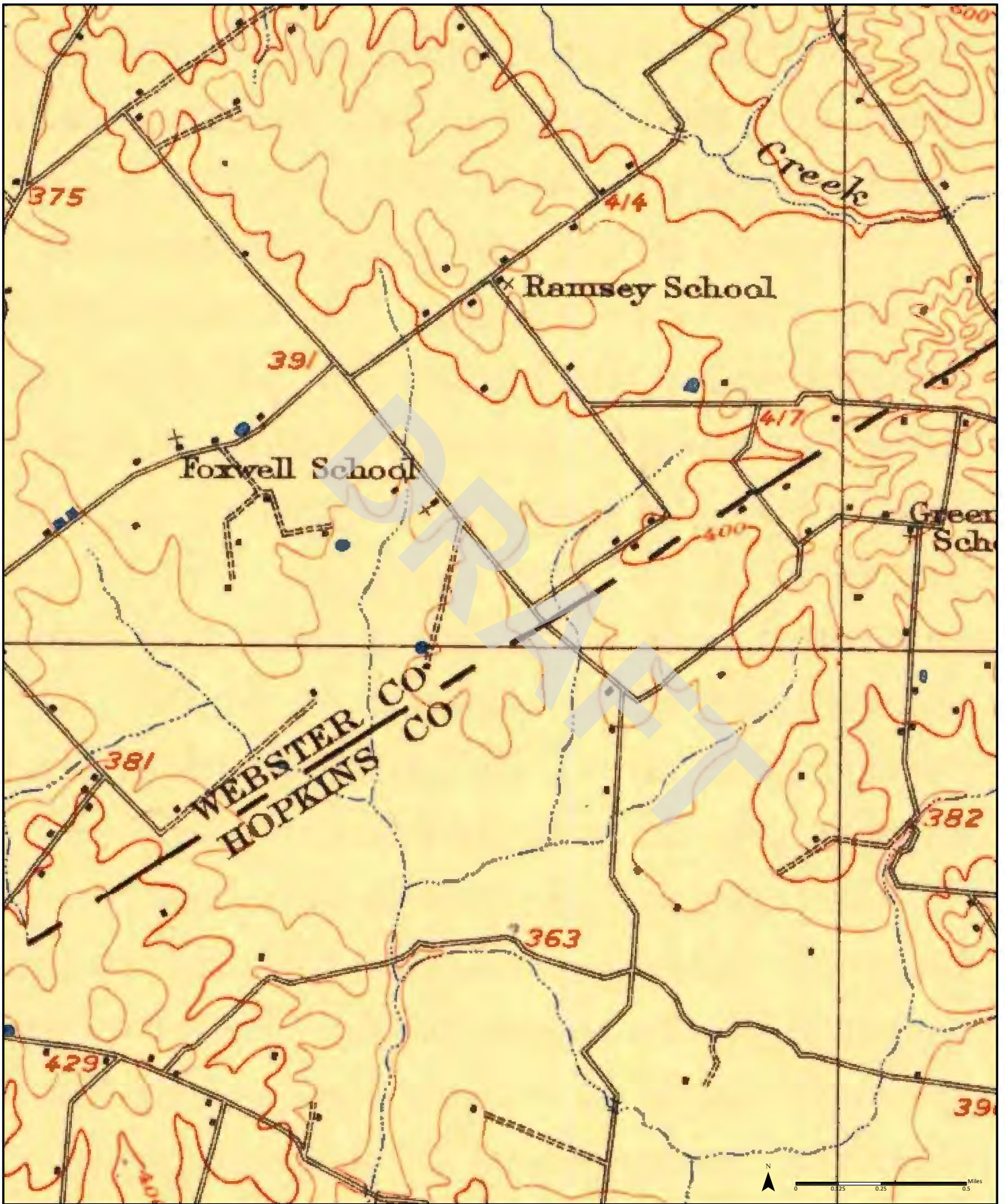
(1-1954)
Aerial Photo Year: 1952

Order No. 24020600826



Available Quadrangle(s): Earlington, KY(1-1954)





Order No. 24020600826

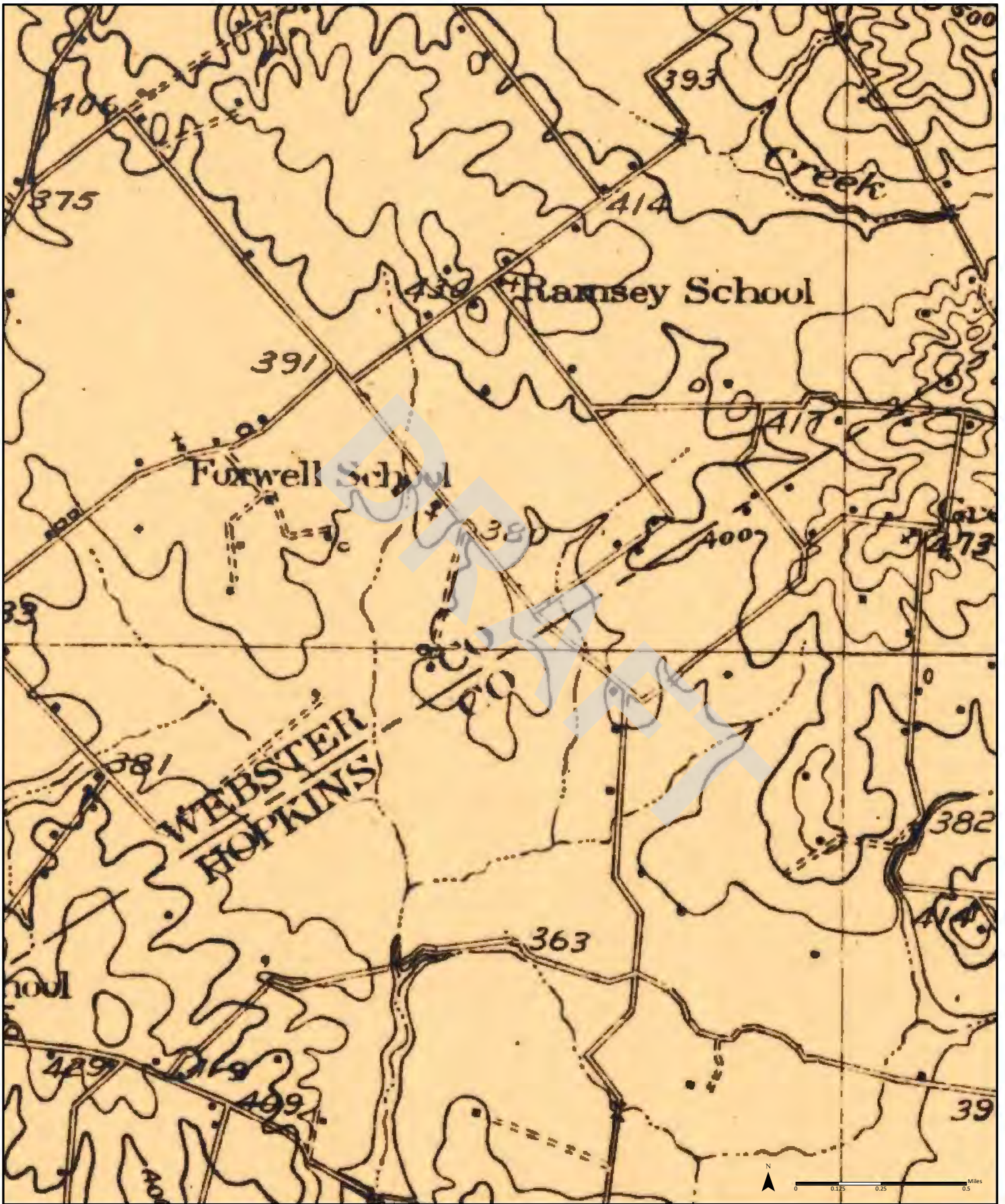
1909



Available Quadrangle(s): Earlington, KY

Source: USGS 15 Minute Topographic Map





1907

Order No. 24020600826

Available Quadrangle(s): Earlington, KY



Source: USGS 15 Minute Topographic Map



Appendix C

Regulatory Database Report

DRAFT



DATABASE REPORT

DRAFT

Project Property: *Weirs Creek - Additional Parcels (210252)
Webster County
Providence KY*

Project No: *210252*

Report Type: *Database Report*

Order No: *24020600826*

Requested by: *Environmental Consulting & Technology,
Inc.*

Date Completed: *February 9, 2024*

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	8
Executive Summary: Site Report Summary - Surrounding Properties.....	9
Executive Summary: Summary by Data Source.....	12
Map.....	17
Aerial.....	20
Topographic Map.....	21
Detail Report.....	22
Unplottable Summary.....	40
Unplottable Report.....	41
Appendix: Database Descriptions.....	42
Definitions.....	56

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc. ("ERIS") using various sources of information, including information provided by Federal and State government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report (s) are protected by copyright owned by ERIS Information Inc. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Executive Summary

Property Information:

Project Property: Weirs Creek - Additional Parcels (210252)
Webster County Providence KY

Project No: 210252

Coordinates:

Latitude: 37.41620849
Longitude: -87.68453264
UTM Northing: 4,141,265.22
UTM Easting: 439,426.18
UTM Zone: UTM Zone 16S

Elevation: 379 FT

Order Information:

Order No: 24020600826
Date Requested: February 6, 2024
Requested by: Environmental Consulting & Technology, Inc.
Report Type: Database Report

Historicals/Products:

Aerial Photographs Historical Aerials (with Project Boundaries)
ERIS Xplorer [ERIS Xplorer](#)
Excel Add-On Excel Add-On
Physical Setting Report (PSR) Physical Setting Report (PSR)
Topographic Map Topographic Maps

Executive Summary Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL-aa NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL-aa PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL-aa DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS-aa SEMS	Y	0.5	0	0	0	0	-	0
ODI-aa ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE-aa SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS-aa CERCLIS	Y	0.5	0	0	0	0	-	0
IODI-aa IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP-aa CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS-aa CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CONTRACTS-aa RCRA CONTRACTS	Y	1	0	0	0	0	0	0
RCRA TSD-aa RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG-aa RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG-aa RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG-aa RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON-GEN-aa RCRA NON GEN	Y	0.25	0	0	1	-	-	1
RCRA CONTROLS-aa RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG-aa FED ENG	Y	0.5	0	0	0	0	-	0
FED INST-aa FED INST	Y	0.5	0	0	0	0	-	0
LUCIS-aa LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC-aa NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986-aa ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989-aa ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS-aa ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS-aa FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST-aa FEMA UST	Y	0.25	0	0	0	-	-	0
FRP-aa FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
rr-DELISTED FRP-aa DELISTED FRP	Y	0.25	0	0	0	-	-	0
rr-HIST GAS STATIONS-aa HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
rr-REFN-aa REFN	Y	0.25	0	0	0	-	-	0
rr-BULK TERMINAL-aa BULK TERMINAL	Y	0.25	0	0	0	-	-	0
rr-SEMS LIEN-aa SEMS LIEN	Y	PO	0	-	-	-	-	0
rr-SUPERFUND ROD-aa SUPERFUND ROD	Y	1	0	0	0	0	0	0
rr-DOE FUSRAP-aa DOE FUSRAP	Y	1	0	0	0	0	0	0

State

rr-BROWNFIELDS-aa BROWNFIELDS	Y	0.5	0	0	0	0	-	0
rr-SHWS-aa SHWS	Y	1	0	0	0	0	0	0
rr-DELISTED SHWS-aa DELISTED SHWS	Y	1	0	0	0	0	0	0
rr-SWF/LF-aa SWF/LF	Y	0.5	0	0	0	0	-	0
rr-HIST LANDFILL-aa HIST LANDFILL	Y	0.5	0	0	0	0	-	0
rr-SB193-aa SB193	Y	0.5	0	0	0	0	-	0
rr-PSTEAF-aa PSTEAF	Y	0.5	0	0	0	0	-	0
rr-UST-aa UST	Y	0.25	0	0	0	-	-	0
rr-SFM UST PERMIT-aa SFM UST PERMIT	Y	0.25	0	0	0	-	-	0
rr-SFM AST PERMIT-aa SFM AST PERMIT	Y	0.25	0	0	1	-	-	1
rr-SFM LPG PERMIT-aa SFM LPG PERMIT	Y	0.25	0	0	0	-	-	0
rr-DELISTED STORAGE TANK-aa DELISTED STORAGE TANK	Y	0.25	0	0	0	-	-	0
rr-ENG-aa ENG	Y	0.5	0	0	0	0	-	0
rr-INST-aa INST	Y	0.5	0	0	0	0	-	0
rr-VCP-aa VCP	Y	0.5	0	0	0	0	-	0
rr-BROWNFIELD INV-aa BROWNFIELD INV	Y	0.5	0	0	0	0	-	0

Tribal

rr-INDIAN UST-aa INDIAN UST	Y	0.5	0	0	0	0	-	0
rr-INDIAN UST-aa INDIAN UST	Y	0.25	0	0	0	-	-	0
rr-DELISTED INDIAN LST-aa DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
rr-DELISTED INDIAN UST-aa DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0

County

No County standard environmental record sources available for this State.

Additional Environmental Records

Federal

rr-PFAS SHG-aa PFAS SHG	Y	0.5	0	0	0	0	-	0
--	---	-----	---	---	---	---	---	---

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FINDS/FRS	Y	PO	2	-	-	-	-	2
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	1	-	-	-	-	1
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	24	24
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0

Executive Summary, Site Report Summary, Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
m1d	MINE ^{202613-aa}	WEBSTER COUNTY COAL LLC	KY	SE	0.00 / 0.00	0	22 <small>p1p-2-202613-aa-92613-x1x</small>
m1d	MINE ^{200002-aa}	WEBSTER COUNTY COAL LLC	KY	SE	0.00 / 0.00	0	22 <small>p1p-2-200002-aa-00002-x1x</small>
m1d	MINE ^{12424-aa}	WEBSTER COUNTY COAL LLC	KY	SE	0.00 / 0.00	0	22 <small>p1p-2-2012424-aa-12424-x1x</small>
m2d	ICIS ^{110009964949-aa}	WEBSTER COUNTY COAL LLC (917-5015)	MILDRED RD PROVIDENCE KY 40447 Registry ID: 110009964949	NW	0.00 / 0.00	3	22 <small>p1p-2-20110009964949-aa-3992-x1x</small>
m3d	FINDS/FRS	NEBO-PROVIDENCE POLE REPLACEMENT PROJECT	VARIOUS NEBO (HOPKINS) KY 42441 Registry ID: 110070949052	SE	0.00 / 0.00	-9	23 <small>p1p-2-20110070949052-x1x</small>
m4d	FINDS/FRS	WC WELDON ESTATE	HOKET NEBO RD PROVIDENCE (WEBSTER) KY 42450 Registry ID: 110045050804	NE	0.00 / 0.00	22	23 <small>p1p-2-20110045050804-x1x</small>
m4d	SPILLS ^{177631-96-aa}	WC Weldon Estate (AI ID: 49152)	Providence (Webster) KY INC ID Status: 177631 Env. Closed	NE	0.00 / 0.00	22	24 <small>p1p-2-20177631-96-aa-56586-x1x</small>

Executive Summary, Site Report Summary, Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
m5d	MINE 08179-aa	WEBSTER COUNTY COAL LLC	KY	NNW	0.01 / 57.55	6	24 p1p-2-08179-aa-x1x
m6d	RCRA NON GEN GEN-895789644-aa	UNIVERSITY OF KENTUCKY - SUPPLY CENTER	2668 STATE ROUTE 120E PROVIDENCE KY 42450	NNW	0.16 / 853.96	18	24 p1p-2-895789644-aa-x1x
EPA Handler ID: KYR000074229							
m6d	SFM AST PERMIT PERMIT-017766064-aa	Webster County Coal Corp	2668 State Route 120 E Providence KY 42450-9250	NNW	0.16 / 853.96	18	26 p1p-2-017766064-aa-x1x
Permit No: PAG0001160							
m7d	MINE 07140-aa	HOPKINS COUNTY COAL LLC	KY	W	0.44 / 2,337.84	-9	26 p1p-2-07140-aa-x1x
m8d	MINE 04636-aa	WEBSTER COUNTY COAL LLC	KY	E	0.51 / 2,687.90	29	27 p1p-2-04636-aa-x1x
m9d	SMCRA 088410-aa	FERGUSON SUBSIDENCE	WEBSTER KY	SW	0.76 / 4,031.05	0	27 p1p-2-088410-aa-x1x
AMLIS Key: KY003214							
m9d	SMCRA 088743-aa	ROUTE 85 MINES	Webster County KY	SW	0.76 / 4,031.05	0	27 p1p-2-088743-aa-x1x
AMLIS Key: KY001177							
m9d	SMCRA 088313-aa	ROUTE 85 MINES	Webster County KY	SW	0.76 / 4,031.05	0	28 p1p-2-088313-aa-x1x
AMLIS Key: KY001177							
m9d	SMCRA 089265-aa	CULLEN CEMETERY MINES	WEBSTER KY	SW	0.76 / 4,031.05	0	28 p1p-2-089265-aa-x1x
AMLIS Key: KY002659							
m9d	SMCRA 089696-aa	NE PROVIDENCE SUBSIDENCE	WEBSTER KY	SW	0.76 / 4,031.05	0	29 p1p-2-089696-aa-x1x
AMLIS Key: KY002519							
m9d	SMCRA 089709-aa	CULLEN CEMETERY MINES	WEBSTER KY	SW	0.76 / 4,031.05	0	29 p1p-2-089709-aa-x1x
AMLIS Key: KY002659							
m9d	SMCRA 089731-aa	MICHAEL LAYTON	WEBSTER KY	SW	0.76 / 4,031.05	0	30 p1p-2-089731-aa-x1x

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
m9d	SMCRA ^{02-aa}	ROUTE 85 MINES	Webster County KY AMLIS Key: KY001177	SW	0.76 / 4,031.05	0	37 <small>p1p-02-aa-001177-13582-x1x</small>
m9d	SMCRA ^{12-aa}	ROUTE 85 MINES	Webster County KY AMLIS Key: KY001177	SW	0.76 / 4,031.05	0	37 <small>p1p-02-aa-001177-13712-x1x</small>
m9d	SMCRA ^{05-aa}	ROUTE 85 MINES	Webster County KY AMLIS Key: KY001177	SW	0.76 / 4,031.05	0	38 <small>p1p-02-aa-001177-14996-x1x</small>
m9d	SMCRA ^{01-aa}	ROUTE 85 MINES	Webster County KY AMLIS Key: KY001177	SW	0.76 / 4,031.05	0	38 <small>p1p-02-aa-001177-15661-x1x</small>
m10d	MINE ^{27558-aa}	WARRIOR COAL LLC	KY	SSE	0.81 / 4,272.08	-14	39 <small>p1p-02-aa-0027558-x1x</small>
m11d	MINE ^{95296-aa}	WEBSTER COUNTY COAL LLC	KY	SSW	0.83 / 4,367.19	4	39 <small>p1p-02-aa-0095296-x1x</small>
m12d	MINE ^{02158-aa}	ISLAND CREEK COAL COMPANY	KY	SSW	0.84 / 4,419.82	-2	39 <small>p1p-02-aa-0002158-x1x</small>

DRAFT

Executive Summary Summary by Data Source

Standard

Federal

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Oct 2, 2023 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNIVERSITY OF KENTUCKY - SUPPLY CENTER	2668 STATE ROUTE 120E PROVIDENCE KY 42450	NNW	0.16 / 853.96	m-6895789644-a
	<i>EPA Handler ID: KYR000074229</i>			

State

SFM AST PERMIT - State Fire Marshal Aboveground Storage Tank Permits

A search of the SFM AST PERMIT database, dated Jan 11, 2024 has found that there are 1 SFM AST PERMIT site(s) within approximately 0.25miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Webster County Coal Corp	2668 State Route 120 E Providence KY 42450-9250	NNW	0.16 / 853.96	m-6917766064-a
	<i>Permit No: PAG0001160</i>			

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Sep 8, 2023 has found that there are 2 FINDS/FRS site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WC WELDON ESTATE	HOKET NEBO RD PROVIDENCE (WEBSTER) KY 42450	NE	0.00 / 0.00	m-4815405957-a
	<i>Registry ID: 110045050804</i>			
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
NEBO-PROVIDENCE POLE REPLACEMENT PROJECT	VARIOUS NEBO (HOPKINS) KY 42441	SE	0.00 / 0.00	m-3916938439-a
	<i>Registry ID: 110070949052</i>			

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated Jan 21, 2023 has found that there are 1 ICIS site(s) within approximately 0.02miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WEBSTER COUNTY COAL LLC (917-5015)	MILDRED RD PROVIDENCE KY 40447	NW	0.00 / 0.00	m- 2 828353992-a
<i>Registry ID: 110009964949</i>				

SMCRA - Surface Mining Control and Reclamation Act Sites

A search of the SMCRA database, dated Jun 13, 2023 has found that there are 24 SMCRA site(s) within approximately 1.00miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
ROUTE 85 MINES	Webster County KY <i>AMLIS Key: KY001177</i>	SW	0.76 / 4,031.05	m- 9 889947887-a
Paul Brown Subsidence	Webster County KY <i>AMLIS Key: KY004626</i>	SW	0.76 / 4,031.05	m- 9 899499005-a
ROUTE 85 MINES	Webster County KY <i>AMLIS Key: KY001177</i>	SW	0.76 / 4,031.05	m- 9 919913582-a
ROUTE 85 MINES	Webster County KY <i>AMLIS Key: KY001177</i>	SW	0.76 / 4,031.05	m- 9 919913712-a
ROUTE 85 MINES	Webster County KY <i>AMLIS Key: KY001177</i>	SW	0.76 / 4,031.05	m- 9 919914996-a
ROUTE 85 MINES	Webster County KY <i>AMLIS Key: KY001177</i>	SW	0.76 / 4,031.05	m- 9 919915661-a
ROUTE 85 MINES	Webster County KY <i>AMLIS Key: KY001177</i>	SW	0.76 / 4,031.05	m- 9 889898313-a
FERGUSON SUBSIDENCE	WEBSTER KY <i>AMLIS Key: KY003214</i>	SW	0.76 / 4,031.05	m- 9 889894810-a
ROUTE 85 MINES	Webster County KY <i>AMLIS Key: KY001177</i>	SW	0.76 / 4,031.05	m- 9 889897443-a
ROUTE 85 MINES	Webster County KY	SW	0.76 / 4,031.05	m- 9 889947659-a

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>AMLIS Key: KY001177</i>			
CULLEN CEMETERY MINES	WEBSTER KY	SW	0.76 / 4,031.05	m-9889899429-a
	<i>AMLIS Key: KY002659</i>			
NE PROVIDENCE SUBSIDENCE	WEBSTER KY	SW	0.76 / 4,031.05	m-9889906696-a
	<i>AMLIS Key: KY002519</i>			
CULLEN CEMETERY MINES	WEBSTER KY	SW	0.76 / 4,031.05	m-9889906709-a
	<i>AMLIS Key: KY002659</i>			
MICHAEL LAYTON	WEBSTER KY	SW	0.76 / 4,031.05	m-9889906731-a
	<i>AMLIS Key: KY008137</i>			
MICHAEL LAYTON	WEBSTER KY	SW	0.76 / 4,031.05	m-9889908085-a
	<i>AMLIS Key: KY008137</i>			
SLOVER CREEK-VALLEY MINE	WEBSTER KY	SW	0.76 / 4,031.05	m-9889914672-a
	<i>AMLIS Key: KY002320</i>			
ROUTE 85 MINES	Webster County KY	SW	0.76 / 4,031.05	m-9889916201-a
	<i>AMLIS Key: KY001177</i>			
SLOVER CREEK-VALLEY MINE	WEBSTER KY	SW	0.76 / 4,031.05	m-9889923244-a
	<i>AMLIS Key: KY002320</i>			
ROUTE 85 MINES	Webster County KY	SW	0.76 / 4,031.05	m-9889927439-a
	<i>AMLIS Key: KY001177</i>			
ROUTE 85 MINES	Webster County KY	SW	0.76 / 4,031.05	m-9889927440-a
	<i>AMLIS Key: KY001177</i>			
MICHAEL LAYTON	WEBSTER KY	SW	0.76 / 4,031.05	m-9889931758-a
	<i>AMLIS Key: KY008137</i>			
WEIRS CR. SUBSIDENCE	WEBSTER KY	SW	0.76 / 4,031.05	m-9889938834-a
	<i>AMLIS Key: KY002518</i>			
Providence Mine Refuse Fire	Webster County KY	SW	0.76 / 4,031.05	m-9889943945-a

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	<i>AMLIS Key: KY004288</i>			
SLOVER CREEK-VALLEY MINE	WEBSTER KY	SW	0.76 / 4,031.05	m- 9 889946584-a
	<i>AMLIS Key: KY002320</i>			

State

SPILLS - Incidents

A search of the SPILLS database, dated Dec 5, 2023 has found that there are 1 SPILLS site(s) within approximately 0.12miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WC Weldon Estate (AI ID: 49152)	Providence (Webster) KY	NE	0.00 / 0.00	m- 4 827156586-a
	<i>INC ID Status: 177631 Env. Closed</i>			

MINE - Permitted Mine Boundaries

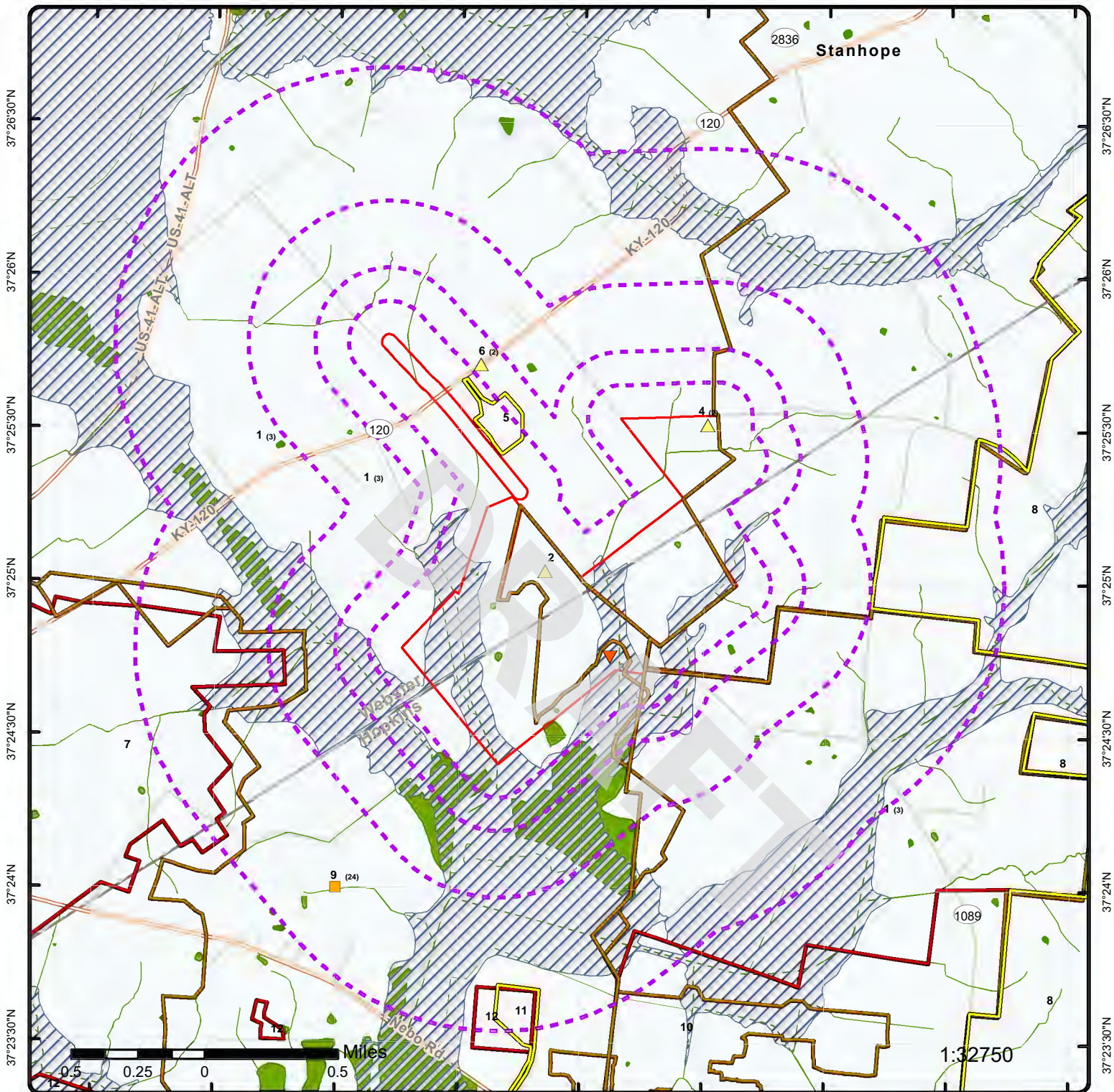
A search of the MINE database, dated Mar 6, 2023 has found that there are 9 MINE site(s) within approximately 1.00miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WEBSTER COUNTY COAL LLC	KY	SE	0.00 / 0.00	m- 1 891412424-a
WEBSTER COUNTY COAL LLC	KY	SE	0.00 / 0.00	m- 1 891392613-a
WEBSTER COUNTY COAL LLC	KY	SE	0.00 / 0.00	m- 1 891400002-a
WEBSTER COUNTY COAL LLC	KY	NNW	0.01 / 57.55	m- 5 891408179-a
WEBSTER COUNTY COAL LLC	KY	E	0.51 / 2,687.90	m- 8 891404636-a
WEBSTER COUNTY COAL LLC	KY	SSW	0.83 / 4,367.19	m- 11 891395296-a

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
HOPKINS COUNTY COAL LLC	KY	W	0.44 / 2,337.84	m- 7 891397140-a

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WARRIOR COAL LLC	KY	SSE	0.81 / 4,272.08	m- 10 -891397558-a
ISLAND CREEK COAL COMPANY	KY	SSW	0.84 / 4,419.82	m- 12 -891392158-a

DRAFT

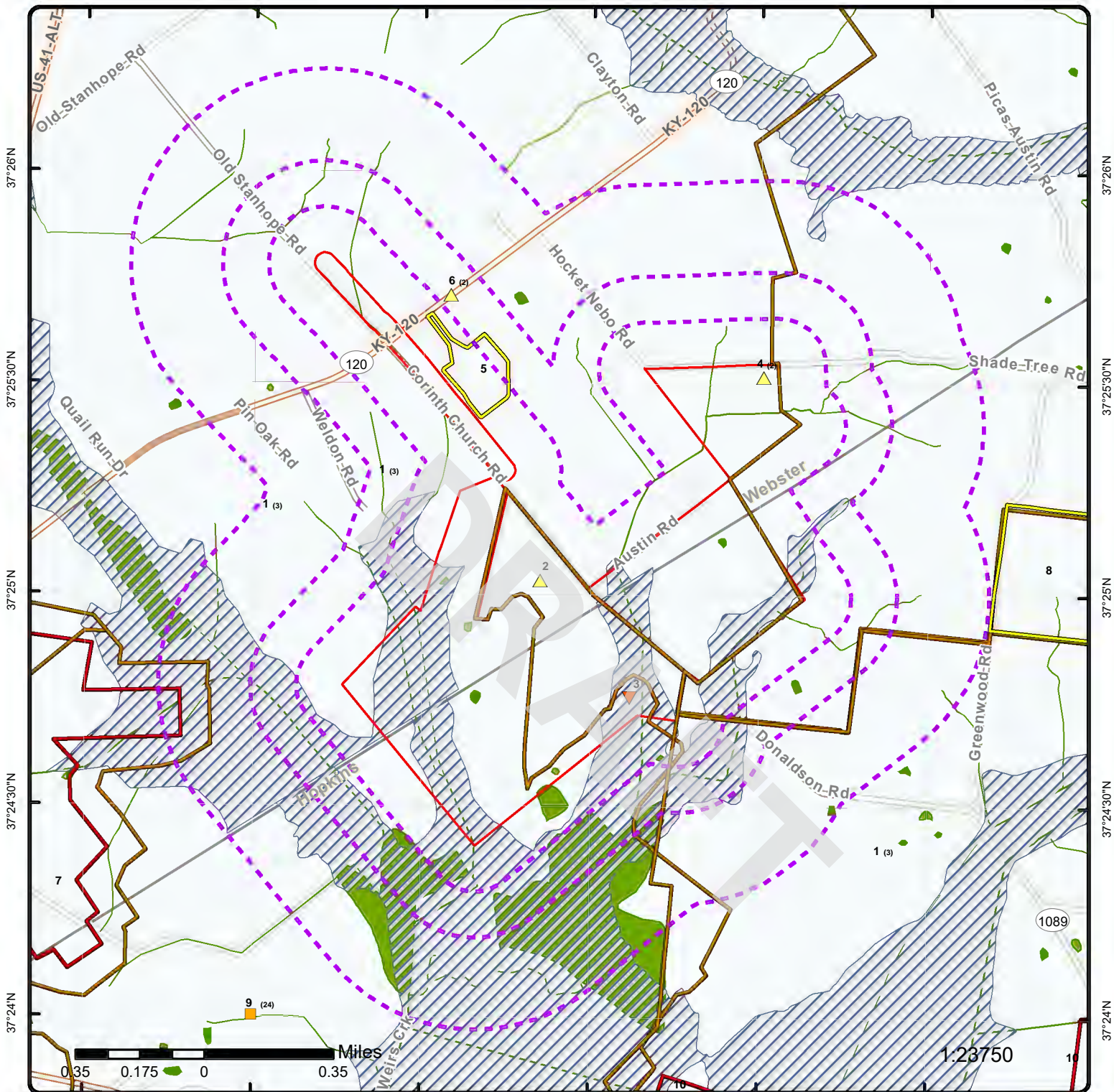


Map: 1.0 Mile Radius

Order Number: 24020600826
 Address: Webster County, Providence, KY



- Project Property
- Buffer Outline
- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- + Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



Map: 0.5 Mile Radius

Order Number: 24020600826
 Address: Webster County, Providence, KY



- | | | | | | | | | | | | | | | | |
|-----------------------------|---------------------------|-----------------------------|------------------------------|----------------------------|------------------------------|---------------------|----------------------|------------------------|----------------------|------------|------|-------|---------|-------------------------------|--|
| Project Property | Buffer Outline | Sites with Higher Elevation | Sites with Same Elevation | Sites with Lower Elevation | Sites with Unknown Elevation | Freeways; Highways | Traffic Circle; Ramp | Major & Minor Arterial | Traffic Circle; Ramp | Local Road | Rail | State | Country | FWS Special Designation Areas | National Priorities List (Active, Delisted, Proposed, Institutional Control) |
| Areas with Higher Elevation | Areas with Same Elevation | Areas with Lower Elevation | Areas with Unknown Elevation | National Wetland | Indian Reserve Land | 100 Year Flood Zone | 500 Year Flood Zone | | | | | | | | |

87°42'W

87°41'30"W

87°41'W

87°40'30"W

87°40'W

37°26'N

37°26'N

37°25'30"N

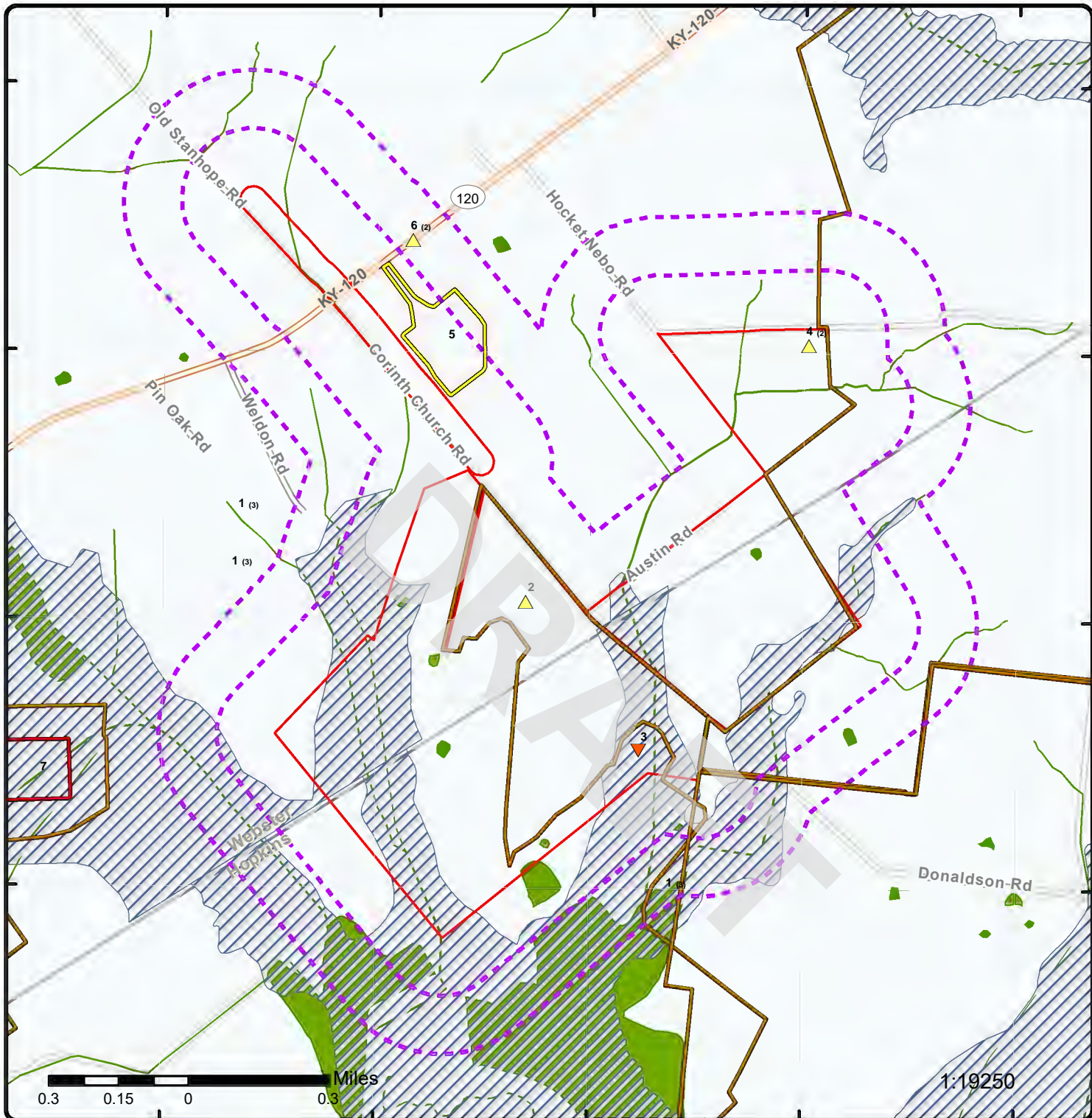
37°25'30"N

37°25'N

37°25'N

37°24'30"N

37°24'30"N



Map: 0.25 Mile Radius

Order Number: 24020600826

Address: Webster County, Providence, KY



Project Property

Buffer Outline

Sites with Higher Elevation

Sites with Same Elevation

Sites with Lower Elevation

Sites with Unknown Elevation

Areas with Higher Elevation

Areas with Same Elevation

Areas with Lower Elevation

Areas with Unknown Elevation

Freeways; Highways

Traffic Circle; Ramp

Major & Minor Arterial

Traffic Circle; Ramp

Local Road

Rail

State

Country

National Wetland

Indian Reserve Land

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

National Priorities List (Active, Delisted, Proposed, Institutional Control)

87°42'W

87°41'30"W

87°41'W

87°40'30"W

37°26'N

37°26'N

37°25'30"N

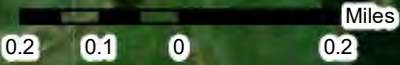
37°25'30"N

37°25'N

37°25'N

37°24'30"N

37°24'30"N



1:15270

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Aerial Year: 2021

Order Number: 24020600826

Address: Webster County, Providence, KY



© ERIS Information Inc.

Source: ESRI World Imagery

87°42'30"W

87°42'W

87°41'30"W

87°41'W

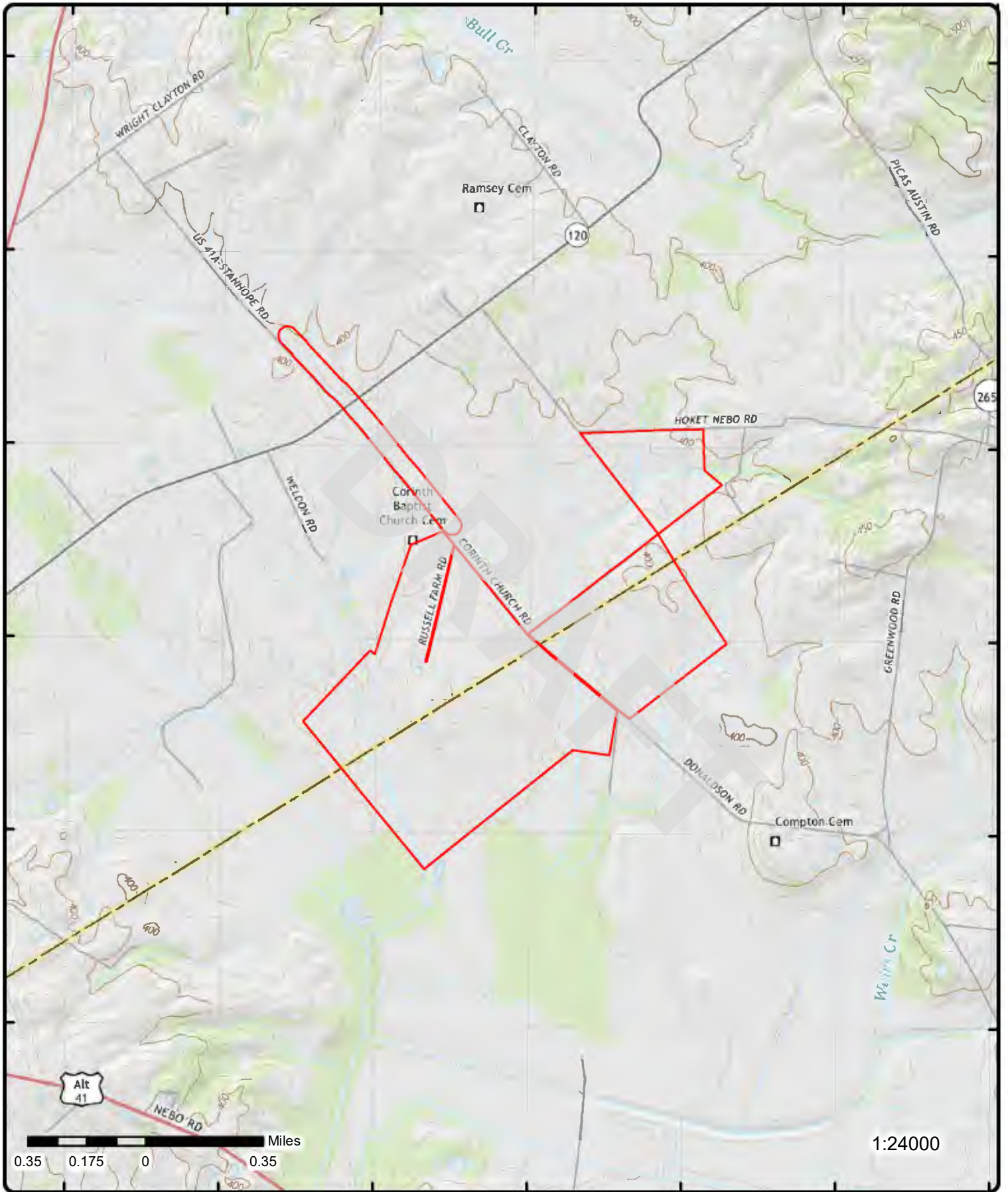
87°40'30"W

87°40'W

87°39'30"W

37°26'30"N
37°26'N
37°25'30"N
37°25'N
37°24'30"N
37°24'N

37°26'30"N
37°26'N
37°25'30"N
37°25'N
37°24'30"N
37°24'N



Topographic Map

Year: 2019

Order Number: 24020600826

Address: Webster County, KY

Quadrangle(s): Nebo KY

Source: USGS Topographic Map



© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 3	SE	0.00 / 0.00	379.00 / 0	WEBSTER COUNTY COAL LLC KY	dd-MINE-891392613-bb p1p-891392613.yTy MINE
Permit No:	9175015	Feat CLS:		UG		
Original Permit:	9175015	Region Description:		MADISONVILLE		
Permit Status:	Active	Quad Description:		NEBO		
Permit Type:	PERMANENT	Contact:		KY Division of Mine Permits		
Date Issued:	6/1/2000	Acres:		3860.85303275		
National ID:	KY9175015	Shape Length:		125406.31902		
Mine Status:	A2	Shape Area:		168178758.106569		
Type Flag:	ACT	Shape Len:		125406.31902038		
Source:	KYDMP					
Permit Activity:	MT 5 08/17/2018 RN 3 05/20/2015 MT 4 12/08/20					
1	2 of 3	SE	0.00 / 0.00	379.00 / 0	WEBSTER COUNTY COAL LLC KY	dd-MINE-89140002-bb p1p-89140002.yTy MINE
Permit No:	9175013	Feat CLS:		UG		
Original Permit:	3175000	Region Description:		MADISONVILLE		
Permit Status:	Active	Quad Description:		PROVIDENCE		
Permit Type:	PERMANENT	Contact:		KY Division of Mine Permits		
Date Issued:	3/8/2000	Acres:		32369.7216562		
National ID:	KY9175013	Shape Length:		239224.921959		
Mine Status:	O2	Shape Area:		1410025075.34217		
Type Flag:	ACT	Shape Len:		239224.92195872		
Source:	DMP E_Shape					
Permit Activity:	MT 10 09/20/2022 MI 29 08/29/2022 MI 28 09/28/20					
1	3 of 3	SE	0.00 / 0.00	379.00 / 0	WEBSTER COUNTY COAL LLC KY	dd-MINE-891412424-bb p1p-891412424.yTy MINE
Permit No:	9175023	Feat CLS:		UG		
Original Permit:	9175023	Region Description:		MADISONVILLE		
Permit Status:	Active	Quad Description:		NEBO		
Permit Type:	PERMANENT	Contact:		KY Division of Mine Permits		
Date Issued:	4/30/2010	Acres:		26646.6010627		
National ID:	KY9175023	Shape Length:		218472.868353		
Mine Status:	A2	Shape Area:		1160725942.2894		
Type Flag:	ACT	Shape Len:		218472.86835264		
Source:	DMP E_Shape					
Permit Activity:	MI 20 08/22/2022 MT 4 05/12/2022 MI 19 10/06/20					
2	1 of 1	NW	0.00 / 0.00	382.01 / 3	WEBSTER COUNTY COAL LLC (917-5015) MILDRED RD PROVIDENCE KY 40447	dd-ICIS-82833992-bb p1p-82833992.yTy ICIS
EPA Region:	04	Federal Fac ID:				
Registry ID:	110009964949	Tribal Land Code:				
Pgm Sys ID:	KYG045559	County:		Webster		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Pgm Sys AcrnM:	NPDES				Latitude 83: 37.417222	
Permit Type:	General Permit Covered Facility				Longitude 83: -87.685833	

m-3-916934130-b 3	1 of 1	SE	0.00 / 0.00	370.00 / -9	NEBO-PROVIDENCE POLE REPLACEMENT PROJECT VARIOUS NEBO (HOPKINS) KY 42441	ds-FINDS/FRS-91693439-bb p10-91693439-bb FINDS/FRS
-----------------------------	--------	----	----------------	----------------	---	--

Registry ID: 110070949052
FIPS Code: KY107
HUC Code: 05140205
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 04-JUN-21
Update Date:
Interest Types: ICIS-NPDES NON-MAJOR, STORM WATER CONSTRUCTION
SIC Codes: 1611
SIC Code Descriptions: HIGHWAY AND STREET CONSTRUCTION, EXCEPT ELEVATED HIGHWAYS
NAICS Codes:
NAICS Code Descriptions:
Conveyor: ICIS
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:
Congressional Dist No: 01
Census Block Code: 211079702002003
EPA Region Code: 04
County Name: HOPKINS
US/Mexico Border Ind:
Latitude: 37.41259
Longitude: -87.681389
Reference Point:
Coord Collection Method: UNKNOWN
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070949052
Data Source: Facility Registry Service - Single File
Program Acronyms:

m-4-815405957-b 4	1 of 2	NE	0.00 / 0.00	401.17 / 22	WC WELDON ESTATE HOKET NEBO RD PROVIDENCE (WEBSTER) KY 42450	ds-FINDS/FRS-815405957-bb p10-815405957-bb FINDS/FRS
-----------------------------	--------	----	----------------	----------------	---	--

Registry ID: 110045050804
FIPS Code: 21233
HUC Code: 05140205
Site Type Name: STATIONARY
Location Description:
Supplemental Location:
Create Date: 26-MAR-12
Update Date:
Interest Types: STATE MASTER
SIC Codes:
SIC Code Descriptions:
NAICS Codes:
NAICS Code Descriptions:
Conveyor: KY-TEMPO
Federal Facility Code:
Federal Agency Name:
Tribal Land Code:
Tribal Land Name:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB	
Congressional Dist No:		01					
Census Block Code:		212339604001025					
EPA Region Code:		04					
County Name:		WEBSTER					
US/Mexico Border Ind:							
Latitude:		37.42525					
Longitude:		-87.674833					
Reference Point:		PLANT ENTRANCE (GENERAL)					
Coord Collection Method:		GPS CODE (PSEUDO RANGE) DIFFERENTIAL					
Accuracy Value:							
Datum:		NAD83					
Source:							
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110045050804					
Data Source:		Facility Registry Service - Single File					
Program Acronyms:							

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB	
4	2 of 2	NE	0.00 / 0.00	401.17 / 22	WC Weldon Estate (AI ID: 49152) Providence (Webster) KY	SPILLS	
INC ID:		177631					
MARS Function Code:							
Status:		Env. Closed					
Priority:		Routine					
Program Code:		08					
Program:		Solid Waste					
Substances:							
Closure Type Desc:		Env. Closed-Managed/Restored					
Incident End Date:							
Begin Emerg Dt:							
End Emerg Dt:							
Record Date:							
First Report Date:		2/20/2004 2:40:16 PM					
Completed:		Yes					
Source:		WC Weldon Estate (AI ID: 49152)					
Incident Type S:		OPEN DUMPING					
Incident Desc:		Open dump of couch, seat from a car, cardboard boxes, dog food bags, tires, old barrels, old toolbox, metal tubs, etc...					
Location Desc:		US 41A towards Providence. Turn right onto SR120 East. Turn right onto Hoket Nebo Road. Dump is ~0.8 miles from intersection on left side of road. Some stuff right at edge of road the rest back by the grain bin.					
Other Substance Desc:							
Z Coordinate Method Desc:		Handheld GPS - Differentially Corrected					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB	
5	1 of 1	NNW	0.01 / 57.55	385.05 / 6	WEBSTER COUNTY COAL LLC KY	MINE	
Permit No:		9175013					
Original Permit:		3175000					
Permit Status:		Active					
Permit Type:		PERMANENT					
Date Issued:		3/8/2000					
National ID:		KY9175013					
Mine Status:		O2					
Type Flag:		ACT					
Source:		DMP E_Shape					
Permit Activity:		MT 10 09/20/2022 MI 29 08/29/2022 MI 28 09/28/20					
Feat CLS:		SF					
Region Description:		MADISONVILLE					
Quad Description:		PROVIDENCE					
Contact:		KY Division of Mine Permits					
Acres:		171.92433502					
Shape Length:		21479.4241722					
Shape Area:		7489024.03329577					
Shape Len:		21479.42417218					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of 2	NNW	0.16 / 853.96	396.96 / 18	UNIVERSITY OF KENTUCKY - SUPPLY CENTER 2668 STATE ROUTE 120E PROVIDENCE KY 42450	RCRA NON GEN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
EPA Handler ID:		KYR000074229				
Gen Status Universe:		No Report				
Contact Name:		MARIDELY LOYSELLE				
Contact Address:		355 , COOPER DR , , LEXINGTON , KY, 40506 , US				
Contact Phone No and Ext:		859-433-3235				
Contact Email:						
Contact Country:		US				
County Name:		WEBSTER				
EPA Region:		04				
Land Type:		State				
Receive Date:		20220119				
Location Latitude:						
Location Longitude:						

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20210809
Handler Name: UNIVERSITY OF KENTUCKY - SUPPLY CENTER
Source Type: Notification
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20220119
Handler Name: UNIVERSITY OF KENTUCKY - SUPPLY CENTER
Source Type: Deactivation
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Owner/Operator Ind:	Current Owner	Street No:	355
Type:	State	Street 1:	COOPER DR
Name:	UNIVERSITY OF KENTUCKY	Street 2:	
Date Became Current:	19970519	City:	LEXINGTON
Date Ended Current:		State:	KY
Phone:	859-257-3285	Country:	US
Source Type:	Deactivation	Zip Code:	40506

Owner/Operator Ind:	Current Operator	Street No:	355
Type:	State	Street 1:	COOPER DR
Name:	UNIVERSITY OF KENTUCKY	Street 2:	
Date Became Current:	19970519	City:	LEXINGTON
Date Ended Current:		State:	KY
Phone:	859-257-3285	Country:	US
Source Type:	Deactivation	Zip Code:	40506

Owner/Operator Ind:	Current Operator	Street No:	355
Type:	State	Street 1:	COOPER DR
Name:	UNIVERSITY OF KENTUCKY	Street 2:	
Date Became Current:	19970519	City:	LEXINGTON
Date Ended Current:		State:	KY
Phone:	859-257-3285	Country:	US
Source Type:	Notification	Zip Code:	40506

Owner/Operator Ind:	Current Owner	Street No:	355
Type:	State	Street 1:	COOPER DR
Name:	UNIVERSITY OF KENTUCKY	Street 2:	
Date Became Current:	19970519	City:	LEXINGTON
Date Ended Current:		State:	KY
Phone:	859-257-3285	Country:	US
Source Type:	Notification	Zip Code:	40506

Historical Handler Details

Receive Dt: 20210809
Generator Code Description: Very Small Quantity Generator
Handler Name: UNIVERSITY OF KENTUCKY - SUPPLY CENTER

<small>m-6-91776064-b</small> 6	2 of 2	NNW	0.16 / 853.96	396.96 / 18	Webster County Coal Corp 2668 State Route 120 E Providence KY 42450-9250	<small>ds-SFM AST PERMIT-91776064-b p-91776064-y1y</small> SFM AST PERMIT
---	---------------	------------	----------------------	--------------------	---	---

Permit No: PAG0001160
Type: AGST INSTALLATION
Project Description: Private Use Aboveground Storage Tank Permit **Note: Many records provided by the department have a truncated [Project Description] field.

<small>m-7-89130240-b</small> 7	1 of 1	W	0.44 / 2,337.84	370.00 / -9	HOPKINS COUNTY COAL LLC KY	<small>ds-MINE-89130240-b p1p-89130240-uv</small> MINE
---	---------------	----------	------------------------	--------------------	--	--

Permit No:	9170034	Feat CLS:	UG
Original Permit:	9170015	Region Description:	MADISONVILLE
Permit Status:	Active	Quad Description:	PROVIDENCE
Permit Type:	PERMANENT	Contact:	KY Division of Mine Permits
Date Issued:	6/2/2004	Acres:	906.244035
National ID:	KY9170034	Shape Length:	47343.572102
Mine Status:	A1	Shape Area:	39475990.1648208
Type Flag:	ACT	Shape Len:	47343.5721021
Source:	DMP E_Shape		
Permit Activity:	RN 7 12/07/2021 MT 6 12/06/2019 MA 24 09/06/20		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
m-8-8914036-b 8	1 of 1	E	0.51 / 2,687.90	408.01 / 29	WEBSTER COUNTY COAL LLC	dd-MINE-89140436-bb MINE

KY

Permit No:	9175016	Feat CLS:	SF
Original Permit:	9175016	Region Description:	MADISONVILLE
Permit Status:	Active	Quad Description:	NEBO
Permit Type:	PERMANENT	Contact:	KY Division of Mine Permits
Date Issued:	7/10/2000	Acres:	18563.757162
National ID:	KY9175016	Shape Length:	178684.033475
Mine Status:	AP	Shape Area:	808637261.974885
Type Flag:	ACT	Shape Len:	178684.03347466
Source:	DMP E_Shape		
Permit Activity:	MI 21 08/25/2022 MT 6 07/21/2022 MI 20 01/31/20		

m-9-88894110-b 9	1 of 24	SW	0.76 / 4,031.05	379.21 / 0	FERGUSON SUBSIDENCE	dd-SMCRA-88894110-bb SMCRA
---------------------	---------	----	-----------------	------------	---------------------	-------------------------------

WEBSTER KY


AMLIS Key:	KY003214	Problem Area No:	3214
HUC Code:	05140205	Problem Type:	VO
FIPS Code:	21233	Problem Priority:	1
Date Prepared:	12/1/2005 12:00:00 AM	Private Owner:	100
Date Revised:	12/12/2005 12:00:00 AM	State Owner:	0
Quadrangle Name:	PROVIDENCE	Park Service Owner:	0
Watershed:	TRADEWATER	Forest Serv Owner:	0
Mining Type:	U	Indian Owner:	0
Ore Types:		Blm Owner:	0
State Tribe:	KY	Other Federl Owner:	0
Congressional Dist:	1	Latitude:	37.400000000000
Problem Area Name:	FERGUSON SUBSIDENCE	Longitude:	-87.700000000000
Funding Source Program:	SGA		
Planning Unit Name:	WHITESIDE CREEK		
Planning Unit No:	1704		
Funded Standard Units:	0.0000000000		
Funded Metric Units:	0.0000000000		
Funded Gpra Acres:	0.0000000000		
Funded Costs:	0.0000000000		
Unfunded Standard Units:	0.0000000000		
Unfunded Metric Units:	0.0000000000		
Unfunded Gpra Acres:	0.0000000000		
Unfunded Costs:	0.0000000000		
Completed Standard Units:	5.0000000000		
Completed Metric Units:	5.0000000000		
Completed Gpra Acres:	0.5000000000		
Completed Costs:	22922.0000000000		

m-9-88897443-b 9	2 of 24	SW	0.76 / 4,031.05	379.21 / 0	ROUTE 85 MINES	dd-SMCRA-88897443-bb SMCRA
---------------------	---------	----	-----------------	------------	----------------	-------------------------------


Webster County KY

AMLIS Key:	KY001177	Problem Area No:	1177
HUC Code:	05140205	Problem Type:	S
FIPS Code:	21233	Problem Priority:	1
Date Prepared:	5/13/1987 12:00:00 AM	Private Owner:	100
Date Revised:	1/11/2021 5:16:33 PM	State Owner:	0
Quadrangle Name:	Providence	Park Service Owner:	0
Watershed:	TRADEWATER	Forest Serv Owner:	0
Mining Type:	B	Indian Owner:	0
Ore Types:		Blm Owner:	0
State Tribe:	KY	Other Federl Owner:	0
Congressional Dist:	1	Latitude:	37.400000000000
Problem Area Name:	ROUTE 85 MINES	Longitude:	-87.700000000000
Funding Source Program:	SGA		
Planning Unit Name:	WHITESIDE CREEK		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Planning Unit No:		1704				
Funded Standard Units:		0.0000000000				
Funded Metric Units:		0.0000000000				
Funded Gpra Acres:		0.0000000000				
Funded Costs:		0.0000000000				
Unfunded Standard Units:		0.0000000000				
Unfunded Metric Units:		0.0000000000				
Unfunded Gpra Acres:		0.0000000000				
Unfunded Costs:		0.0000000000				
Completed Standard Units:		0.1000000000				
Completed Metric Units:		0.0400000000				
Completed Gpra Acres:		0.1000000000				
Completed Costs:		12248.0000000000				

m-9-88889113-b **9** 3 of 24 SW 0.76 / 4,031.05 379.21 / 0 ROUTE 85 MINES dd-SMCRA-88889113-b
 Webster County KY

AMLIS Key: KY001177 **Problem Area No:** 1177
HUC Code: 05140205 **Problem Type:** CSL
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 5/13/1987 12:00:00 AM **Private Owner:** 100
Date Revised: 1/11/2021 5:16:33 PM **State Owner:** 0
Quadrangle Name: Providence **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: B **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.40000000000
Problem Area Name: ROUTE 85 MINES **Longitude:** -87.70000000000
Funding Source Program: SGA
Planning Unit Name: WHITESIDE CREEK
Planning Unit No: 1704
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 14.0000000000
Unfunded Metric Units: 5.6700000000
Unfunded Gpra Acres: 14.0000000000
Unfunded Costs: 246540.0700000000
Completed Standard Units: 0.0000000000
Completed Metric Units: 0.0000000000
Completed Gpra Acres: 0.0000000000
Completed Costs: 0.0000000000

m-9-88889129-b **9** 4 of 24 SW 0.76 / 4,031.05 379.21 / 0 CULLEN CEMETERY MINES dd-SMCRA-88889129-b
 WEBSTER KY

AMLIS Key: KY002659 **Problem Area No:** 2659
HUC Code: 05140205 **Problem Type:** DH
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 2/7/1994 12:00:00 AM **Private Owner:** 100
Date Revised: 9/22/1998 12:00:00 AM **State Owner:** 0
Quadrangle Name: PROVIDENCE **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: S **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.40000000000
Problem Area Name: CULLEN CEMETERY MINES **Longitude:** -87.70000000000
Funding Source Program: SGA
Planning Unit Name: SLOVER CREEK - CULLEN CEMETERY
Planning Unit No: 1705

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Funded Standard Units:		0.0000000000				
Funded Metric Units:		0.0000000000				
Funded Gpra Acres:		0.0000000000				
Funded Costs:		0.0000000000				
Unfunded Standard Units:		0.0000000000				
Unfunded Metric Units:		0.0000000000				
Unfunded Gpra Acres:		0.0000000000				
Unfunded Costs:		0.0000000000				
Completed Standard Units:		600.0000000000				
Completed Metric Units:		182.8800000000				
Completed Gpra Acres:		8.5700000000				
Completed Costs:		51278.0000000000				

m-9-88990606-b **9** 5 of 24 SW 0.76 / 4,031.05 379.21 / 0 NE PROVIDENCE SUBSIDENCE WEBSTER KY dd-SMCRA-88990606-b p10-88990606-b SMCRA

AMLIS Key: KY002519 **Problem Area No:** 2519
HUC Code: 05140205 **Problem Type:** S
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 5/14/1987 12:00:00 AM **Private Owner:** 100
Date Revised: 1/12/2021 10:27:12 AM **State Owner:** 0
Quadrangle Name: NEBO **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: U **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: NE PROVIDENCE SUBSIDENCE **Longitude:** -87.700000000000
Funding Source Program: SGA
Planning Unit Name: DOUVEN MINE - PROVIDENCE
Planning Unit No: 1706
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 6.0000000000
Unfunded Metric Units: 2.4000000000
Unfunded Gpra Acres: 6.0000000000
Unfunded Costs: 702060.0000000000
Completed Standard Units: 0.0000000000
Completed Metric Units: 0.0000000000
Completed Gpra Acres: 0.0000000000
Completed Costs: 0.0000000000

m-9-88990709-b **9** 6 of 24 SW 0.76 / 4,031.05 379.21 / 0 CULLEN CEMETERY MINES WEBSTER KY dd-SMCRA-88990709-b p10-88990709-b SMCRA

AMLIS Key: KY002659 **Problem Area No:** 2659
HUC Code: 05140205 **Problem Type:** CSL
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 2/7/1994 12:00:00 AM **Private Owner:** 100
Date Revised: 9/22/1998 12:00:00 AM **State Owner:** 0
Quadrangle Name: PROVIDENCE **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: S **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: CULLEN CEMETERY MINES **Longitude:** -87.700000000000
Funding Source Program: SGA
Planning Unit Name: SLOVER CREEK - CULLEN CEMETERY
Planning Unit No: 1705
Funded Standard Units: 0.0000000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Funded Metric Units:		0.0000000000				
Funded Gpra Acres:		0.0000000000				
Funded Costs:		0.0000000000				
Unfunded Standard Units:		0.0000000000				
Unfunded Metric Units:		0.0000000000				
Unfunded Gpra Acres:		0.0000000000				
Unfunded Costs:		0.0000000000				
Completed Standard Units:		133.5000000000				
Completed Metric Units:		54.0300000000				
Completed Gpra Acres:		133.5000000000				
Completed Costs:		974283.0000000000				

m-9-88900731-b **9** 7 of 24 SW 0.76 / 4,031.05 379.21 / 0 MICHAEL LAYTON WEBSTER KY dd-SMCRA-88900731-b P1a-88900731-b SMCRA

AMLIS Key: KY008137 **Problem Area No:** 8137
HUC Code: 05140205 **Problem Type:** DH
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 5/20/1993 12:00:00 AM **Private Owner:** 100
Date Revised: 1/8/2021 4:16:54 PM **State Owner:** 0
Quadrangle Name: PROVIDENCE **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: S **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: MICHAEL LAYTON **Longitude:** -87.700000000000
Funding Source Program: RUA
Planning Unit Name: SLOVER DITCHES
Planning Unit No: 1698
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 1600.0000000000
Unfunded Metric Units: 487.680000000000
Unfunded Gpra Acres: 22.8600000000
Unfunded Costs: 136867.5000000000
Completed Standard Units: 0.0000000000
Completed Metric Units: 0.0000000000
Completed Gpra Acres: 0.0000000000
Completed Costs: 0.0000000000

m-9-88900805-b **8** of 24 SW 0.76 / 4,031.05 379.21 / 0 MICHAEL LAYTON WEBSTER KY dd-SMCRA-88900805-b P1a-88900805-b SMCRA

AMLIS Key: KY008137 **Problem Area No:** 8137
HUC Code: 05140205 **Problem Type:** DPE
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 5/20/1993 12:00:00 AM **Private Owner:** 100
Date Revised: 1/8/2021 4:16:54 PM **State Owner:** 0
Quadrangle Name: PROVIDENCE **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: S **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: MICHAEL LAYTON **Longitude:** -87.700000000000
Funding Source Program: RUA
Planning Unit Name: SLOVER DITCHES
Planning Unit No: 1698
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Funded Gpra Acres:		0.0000000000				
Funded Costs:		0.0000000000				
Unfunded Standard Units:		12.0000000000				
Unfunded Metric Units:		4.8600000000				
Unfunded Gpra Acres:		12.0000000000				
Unfunded Costs:		45622.5000000000				
Completed Standard Units:		0.0000000000				
Completed Metric Units:		0.0000000000				
Completed Gpra Acres:		0.0000000000				
Completed Costs:		0.0000000000				

m-889914672-b **9** of 24 **SW** **0.76 / 4,031.05** **379.21 / 0** **SLOVER CREEK-VALLEY MINE** dd-SMCRA-889914672-bb
pl-889914672-bb **SMCRA**
WEBSTER KY

AMLIS Key:	KY002320	Problem Area No:	2320
HUC Code:	05140205	Problem Type:	DPE
FIPS Code:	21233	Problem Priority:	2
Date Prepared:	5/4/1987 12:00:00 AM	Private Owner:	0
Date Revised:	9/22/1998 12:00:00 AM	State Owner:	0
Quadrangle Name:	PROVIDENCE	Park Service Owner:	0
Watershed:	TRADEWATER	Forest Serv Owner:	0
Mining Type:	S	Indian Owner:	0
Ore Types:		Blm Owner:	0
State Tribe:	KY	Other Federl Owner:	0
Congressional Dist:	1	Latitude:	37.400000000000
Problem Area Name:	SLOVER CREEK-VALLEY MINE	Longitude:	-87.700000000000
Funding Source Program:	SGA		
Planning Unit Name:	SLOVER DITCHES		
Planning Unit No:	1698		
Funded Standard Units:	15.0000000000		
Funded Metric Units:	6.0700000000		
Funded Gpra Acres:	15.0000000000		
Funded Costs:	65000.0000000000		
Unfunded Standard Units:	0.0000000000		
Unfunded Metric Units:	0.0000000000		
Unfunded Gpra Acres:	0.0000000000		
Unfunded Costs:	0.0000000000		
Completed Standard Units:	0.0000000000		
Completed Metric Units:	0.0000000000		
Completed Gpra Acres:	0.0000000000		
Completed Costs:	0.0000000000		

m-889916201-b **9** of 24 **SW** **0.76 / 4,031.05** **379.21 / 0** **ROUTE 85 MINES** dd-SMCRA-889916201-bb
pl-889916201-bb **SMCRA**
Webster County KY

AMLIS Key:	KY001177	Problem Area No:	1177
HUC Code:	05140205	Problem Type:	DH
FIPS Code:	21233	Problem Priority:	2
Date Prepared:	5/13/1987 12:00:00 AM	Private Owner:	100
Date Revised:	1/11/2021 5:16:33 PM	State Owner:	0
Quadrangle Name:	Providence	Park Service Owner:	0
Watershed:	TRADEWATER	Forest Serv Owner:	0
Mining Type:	B	Indian Owner:	0
Ore Types:		Blm Owner:	0
State Tribe:	KY	Other Federl Owner:	0
Congressional Dist:	1	Latitude:	37.400000000000
Problem Area Name:	ROUTE 85 MINES	Longitude:	-87.700000000000
Funding Source Program:	SGA		
Planning Unit Name:	WHITESIDE CREEK		
Planning Unit No:	1704		
Funded Standard Units:	0.0000000000		
Funded Metric Units:	0.0000000000		
Funded Gpra Acres:	0.0000000000		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Funded Costs:		0.0000000000				
Unfunded Standard Units:		1100.0000000000				
Unfunded Metric Units:		335.3000000000				
Unfunded Gpra Acres:		15.7100000000				
Unfunded Costs:		115839.9000000000				
Completed Standard Units:		0.0000000000				
Completed Metric Units:		0.0000000000				
Completed Gpra Acres:		0.0000000000				
Completed Costs:		0.0000000000				

m-9-88992244-b **9** 11 of 24 **SW** 0.76 / 4,031.05 379.21 / 0 **SLOVER CREEK-VALLEY MINE** dd-SMCRA-88992244-bb p1-88992244-c17 **SMCRA**
WEBSTER KY

AMLIS Key:	KY002320	Problem Area No:	2320
HUC Code:	05140205	Problem Type:	CSL
FIPS Code:	21233	Problem Priority:	2
Date Prepared:	5/4/1987 12:00:00 AM	Private Owner:	0
Date Revised:	9/22/1998 12:00:00 AM	State Owner:	0
Quadrangle Name:	PROVIDENCE	Park Service Owner:	0
Watershed:	TRADEWATER	Forest Serv Owner:	0
Mining Type:	S	Indian Owner:	0
Ore Types:		Blm Owner:	0
State Tribe:	KY	Other Federl Owner:	0
Congressional Dist:	1	Latitude:	37.400000000000
Problem Area Name:	SLOVER CREEK-VALLEY MINE	Longitude:	-87.700000000000
Funding Source Program:	SGA		
Planning Unit Name:	SLOVER DITCHES		
Planning Unit No:	1698		
Funded Standard Units:	63.0000000000		
Funded Metric Units:	25.5000000000		
Funded Gpra Acres:	63.0000000000		
Funded Costs:	438000.0000000000		
Unfunded Standard Units:	0.0000000000		
Unfunded Metric Units:	0.0000000000		
Unfunded Gpra Acres:	0.0000000000		
Unfunded Costs:	0.0000000000		
Completed Standard Units:	0.0000000000		
Completed Metric Units:	0.0000000000		
Completed Gpra Acres:	0.0000000000		
Completed Costs:	0.0000000000		

m-9-889922439-b **9** 12 of 24 **SW** 0.76 / 4,031.05 379.21 / 0 **ROUTE 85 MINES** dd-SMCRA-889922439-bb p1-889922439-c17 **SMCRA**
Webster County KY

AMLIS Key:	KY001177	Problem Area No:	1177
HUC Code:	05140205	Problem Type:	HEF
FIPS Code:	21233	Problem Priority:	2
Date Prepared:	5/13/1987 12:00:00 AM	Private Owner:	100
Date Revised:	1/11/2021 5:16:33 PM	State Owner:	0
Quadrangle Name:	Providence	Park Service Owner:	0
Watershed:	TRADEWATER	Forest Serv Owner:	0
Mining Type:	B	Indian Owner:	0
Ore Types:		Blm Owner:	0
State Tribe:	KY	Other Federl Owner:	0
Congressional Dist:	1	Latitude:	37.400000000000
Problem Area Name:	ROUTE 85 MINES	Longitude:	-87.700000000000
Funding Source Program:	SGA		
Planning Unit Name:	WHITESIDE CREEK		
Planning Unit No:	1704		
Funded Standard Units:	0.0000000000		
Funded Metric Units:	0.0000000000		
Funded Gpra Acres:	0.0000000000		
Funded Costs:	0.0000000000		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Unfunded Standard Units:		1.0000000000				
Unfunded Metric Units:		1.0000000000				
Unfunded Gpra Acres:		0.1000000000				
Unfunded Costs:		11701.0000000000				
Completed Standard Units:		0.0000000000				
Completed Metric Units:		0.0000000000				
Completed Gpra Acres:		0.0000000000				
Completed Costs:		0.0000000000				

m-9-88927440-b 9 13 of24 SW 0.76 / 4,031.05 379.21 / 0 ROUTE 85 MINES dd-SMCRA-88927440-bb P1#88927440-11 SMCRA
Webster County KY

AMLIS Key: KY001177 **Problem Area No:** 1177
HUC Code: 05140205 **Problem Type:** S
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 5/13/1987 12:00:00 AM **Private Owner:** 100
Date Revised: 1/11/2021 5:16:33 PM **State Owner:** 0
Quadrangle Name: Providence **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: B **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: ROUTE 85 MINES **Longitude:** -87.700000000000
Funding Source Program: SGA
Planning Unit Name: WHITESIDE CREEK
Planning Unit No: 1704
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 52.0000000000
Unfunded Metric Units: 21.0000000000
Unfunded Gpra Acres: 52.0000000000
Unfunded Costs: 6084520.0000000000
Completed Standard Units: 0.0000000000
Completed Metric Units: 0.0000000000
Completed Gpra Acres: 0.0000000000
Completed Costs: 0.0000000000

m-9-88931758-b 9 14 of24 SW 0.76 / 4,031.05 379.21 / 0 MICHAEL LAYTON dd-SMCRA-88931758-bb P1#88931758-11 SMCRA
WEBSTER KY

AMLIS Key: KY008137 **Problem Area No:** 8137
HUC Code: 05140205 **Problem Type:** DI
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 5/20/1993 12:00:00 AM **Private Owner:** 100
Date Revised: 1/8/2021 4:16:54 PM **State Owner:** 0
Quadrangle Name: PROVIDENCE **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: S **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: MICHAEL LAYTON **Longitude:** -87.700000000000
Funding Source Program: RUA
Planning Unit Name: SLOVER DITCHES
Planning Unit No: 1698
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 2.0000000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Unfunded Metric Units:		2.0000000000				
Unfunded Gpra Acres:		10.0000000000				
Unfunded Costs:		45622.5000000000				
Completed Standard Units:		0.0000000000				
Completed Metric Units:		0.0000000000				
Completed Gpra Acres:		0.0000000000				
Completed Costs:		0.0000000000				

m-9-889913834-b 9 15 of 24 SW 0.76 / 4,031.05 379.21 / 0 WEIRS CR. SUBSIDENCE WEBSTER KY

dd-SMCRA-889913834-b
p16-889913834-ky
SMCRA

AMLIS Key: KY002518 **Problem Area No:** 2518
HUC Code: 05140205 **Problem Type:** S
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 5/13/1987 12:00:00 AM **Private Owner:** 100
Date Revised: 1/12/2021 10:26:06 AM **State Owner:** 0
Quadrangle Name: NEBO **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: U **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: WEIRS CR. SUBSIDENCE **Longitude:** -87.700000000000
Funding Source Program: SGA
Planning Unit Name: WEIRS CREEK - CORINTH CHURCH
Planning Unit No: 1707
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 18.0000000000
Unfunded Metric Units: 7.3000000000
Unfunded Gpra Acres: 18.0000000000
Unfunded Costs: 2106180.0000000000
Completed Standard Units: 0.0000000000
Completed Metric Units: 0.0000000000
Completed Gpra Acres: 0.0000000000
Completed Costs: 0.0000000000

m-9-889913845-b 9 16 of 24 SW 0.76 / 4,031.05 379.21 / 0 Providence Mine Refuse Fire Webster County KY

dd-SMCRA-889913845-b
p16-889913845-ky
SMCRA

AMLIS Key: KY004288 **Problem Area No:** 4288
HUC Code: 05140205 **Problem Type:** DPE
FIPS Code: 21233 **Problem Priority:** 1
Date Prepared: 4/9/2014 12:00:00 AM **Private Owner:** 100
Date Revised: 9/16/2014 10:55:02 AM **State Owner:** 0
Quadrangle Name: Providence **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: B **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: Providence Mine Refuse Fire **Longitude:** -87.700000000000
Funding Source Program: SGA
Planning Unit Name: WHITESIDE CREEK
Planning Unit No: 1704
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 0.0000000000
Unfunded Metric Units: 0.0000000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Unfunded Gpra Acres:		0.0000000000				
Unfunded Costs:		0.0000000000				
Completed Standard Units:		0.8000000000				
Completed Metric Units:		0.3000000000				
Completed Gpra Acres:		0.8000000000				
Completed Costs:		69302.0000000000				

m-9-889947084-b **9** 17 of 24 SW 0.76 / 4,031.05 379.21 / 0 SLOVER CREEK-VALLEY MINE WEBSTER KY dd-SMCRA-889947084-b P17-889947084-b SMCRA

AMLIS Key: KY002320 **Problem Area No:** 2320
HUC Code: 05140205 **Problem Type:** DH
FIPS Code: 21233 **Problem Priority:** 2
Date Prepared: 5/4/1987 12:00:00 AM **Private Owner:** 0
Date Revised: 9/22/1998 12:00:00 AM **State Owner:** 0
Quadrangle Name: PROVIDENCE **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: S **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: SLOVER CREEK-VALLEY MINE **Longitude:** -87.700000000000
Funding Source Program: SGA
Planning Unit Name: SLOVER DITCHES
Planning Unit No: 1698
Funded Standard Units: 400.0000000000
Funded Metric Units: 121.9200000000
Funded Gpra Acres: 5.7100000000
Funded Costs: 8000.0000000000
Unfunded Standard Units: 0.0000000000
Unfunded Metric Units: 0.0000000000
Unfunded Gpra Acres: 0.0000000000
Unfunded Costs: 0.0000000000
Completed Standard Units: 0.0000000000
Completed Metric Units: 0.0000000000
Completed Gpra Acres: 0.0000000000
Completed Costs: 0.0000000000

m-9-889947089-b **9** 18 of 24 SW 0.76 / 4,031.05 379.21 / 0 ROUTE 85 MINES Webster County KY dd-SMCRA-889947089-b P17-889947089-b SMCRA

AMLIS Key: KY001177 **Problem Area No:** 1177
HUC Code: 05140205 **Problem Type:** SP
FIPS Code: 21233 **Problem Priority:** 3
Date Prepared: 5/13/1987 12:00:00 AM **Private Owner:** 100
Date Revised: 1/11/2021 5:16:33 PM **State Owner:** 0
Quadrangle Name: Providence **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: B **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: ROUTE 85 MINES **Longitude:** -87.700000000000
Funding Source Program: SGA
Planning Unit Name: WHITESIDE CREEK
Planning Unit No: 1704
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 1.0000000000
Unfunded Metric Units: 1.0000000000
Unfunded Gpra Acres: 1.0000000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Unfunded Costs:		11993525.0000000000				
Completed Standard Units:		0.0000000000				
Completed Metric Units:		0.0000000000				
Completed Gpra Acres:		0.0000000000				
Completed Costs:		0.0000000000				

m-9-89944287-0 **9** 19 of 24 **SW** **0.76 / 4,031.05** **379.21 / 0** **ROUTE 85 MINES** dd-SMCRA-89947887-0b
pl-89947887-01 **Webster County KY** SMCRA

AMLIS Key:	KY001177	Problem Area No:	1177
HUC Code:	05140205	Problem Type:	DPE
FIPS Code:	21233	Problem Priority:	2
Date Prepared:	5/13/1987 12:00:00 AM	Private Owner:	100
Date Revised:	1/11/2021 5:16:33 PM	State Owner:	0
Quadrangle Name:	Providence	Park Service Owner:	0
Watershed:	TRADEWATER	Forest Serv Owner:	0
Mining Type:	B	Indian Owner:	0
Ore Types:		Blm Owner:	0
State Tribe:	KY	Other Federl Owner:	0
Congressional Dist:	1	Latitude:	37.400000000000
Problem Area Name:	ROUTE 85 MINES	Longitude:	-87.700000000000
Funding Source Program:	SGA		
Planning Unit Name:	WHITESIDE CREEK		
Planning Unit No:	1704		
Funded Standard Units:	0.0000000000		
Funded Metric Units:	0.0000000000		
Funded Gpra Acres:	0.0000000000		
Funded Costs:	0.0000000000		
Unfunded Standard Units:	6.0000000000		
Unfunded Metric Units:	2.4300000000		
Unfunded Gpra Acres:	6.0000000000		
Unfunded Costs:	105660.0300000000		
Completed Standard Units:	0.0000000000		
Completed Metric Units:	0.0000000000		
Completed Gpra Acres:	0.0000000000		
Completed Costs:	0.0000000000		

m-9-89944905-0 **9** 20 of 24 **SW** **0.76 / 4,031.05** **379.21 / 0** **Paul Brown Subsidence** dd-SMCRA-89949905-0b
pl-89949905-01 **Webster County KY** SMCRA

AMLIS Key:	KY004626	Problem Area No:	4626
HUC Code:	05140205	Problem Type:	S
FIPS Code:	21233	Problem Priority:	1
Date Prepared:	5/3/2021 12:00:00 AM	Private Owner:	100
Date Revised:	9/15/2021 9:21:35 AM	State Owner:	0
Quadrangle Name:	Providence	Park Service Owner:	0
Watershed:	TRADEWATER	Forest Serv Owner:	0
Mining Type:	U	Indian Owner:	0
Ore Types:		Blm Owner:	0
State Tribe:	KY	Other Federl Owner:	0
Congressional Dist:	1	Latitude:	37.400000000000
Problem Area Name:	Paul Brown Subsidence	Longitude:	-87.700000000000
Funding Source Program:	SGA		
Planning Unit Name:	WHITESIDE CREEK		
Planning Unit No:	1704		
Funded Standard Units:	0.0000000000		
Funded Metric Units:	0.0000000000		
Funded Gpra Acres:	0.0000000000		
Funded Costs:	0.0000000000		
Unfunded Standard Units:	0.0000000000		
Unfunded Metric Units:	0.0000000000		
Unfunded Gpra Acres:	0.0000000000		
Unfunded Costs:	0.0000000000		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Completed Standard Units:		0.1000000000				
Completed Metric Units:		0.0400000000				
Completed Gpra Acres:		0.1000000000				
Completed Costs:		8667.0000000000				

m-9-91991352-b **9** 21 of 24 SW 0.76 / 4,031.05 379.21 / 0 ROUTE 85 MINES Webster County KY dd-SMCRA-91991352-b SMCRA

AMLIS Key: KY001177 **Problem Area No:** 1177
HUC Code: 05140205 **Problem Type:** S
FIPS Code: 21233 **Problem Priority:** 1
Date Prepared: 5/13/1987 12:00:00 AM **Private Owner:** 100
Date Revised: 1/11/2021 5:16:33 PM **State Owner:** 0
Quadrangle Name: Providence **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: B **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: ROUTE 85 MINES **Longitude:** -87.700000000000
Funding Source Program: EMA
Planning Unit Name: WHITESIDE CREEK
Planning Unit No: 1704
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 0.0000000000
Unfunded Metric Units: 0.0000000000
Unfunded Gpra Acres: 0.0000000000
Unfunded Costs: 0.0000000000
Completed Standard Units: 0.0000000000
Completed Metric Units: 0.0000000000
Completed Gpra Acres: 0.0000000000
Completed Costs: 350.0000000000

m-9-919913712-b **9** 22 of 24 SW 0.76 / 4,031.05 379.21 / 0 ROUTE 85 MINES Webster County KY dd-SMCRA-919913712-b SMCRA

AMLIS Key: KY001177 **Problem Area No:** 1177
HUC Code: 05140205 **Problem Type:** S
FIPS Code: 21233 **Problem Priority:** 1
Date Prepared: 5/13/1987 12:00:00 AM **Private Owner:** 100
Date Revised: 1/11/2021 5:16:33 PM **State Owner:** 0
Quadrangle Name: Providence **Park Service Owner:** 0
Watershed: TRADEWATER **Forest Serv Owner:** 0
Mining Type: B **Indian Owner:** 0
Ore Types: **Blm Owner:** 0
State Tribe: KY **Other Federl Owner:** 0
Congressional Dist: 1 **Latitude:** 37.400000000000
Problem Area Name: ROUTE 85 MINES **Longitude:** -87.700000000000
Funding Source Program: EMA
Planning Unit Name: WHITESIDE CREEK
Planning Unit No: 1704
Funded Standard Units: 0.0000000000
Funded Metric Units: 0.0000000000
Funded Gpra Acres: 0.0000000000
Funded Costs: 0.0000000000
Unfunded Standard Units: 0.0000000000
Unfunded Metric Units: 0.0000000000
Unfunded Gpra Acres: 0.0000000000
Unfunded Costs: 0.0000000000
Completed Standard Units: 0.0000000000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Completed Metric Units:		0.0000000000				
Completed Gpra Acres:		0.0000000000				
Completed Costs:		1933.0000000000				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
m-9-919914996-b 9	23 of 24	SW	0.76 / 4,031.05	379.21 / 0	ROUTE 85 MINES	dd-SMCRA-919914996-bb P19-219914996-bb SMCRA
Webster County KY						
AMLIS Key:	KY001177	Problem Area No:	1177			
HUC Code:	05140205	Problem Type:	S			
FIPS Code:	21233	Problem Priority:	1			
Date Prepared:	5/13/1987 12:00:00 AM	Private Owner:	100			
Date Revised:	1/11/2021 5:16:33 PM	State Owner:	0			
Quadrangle Name:	Providence	Park Service Owner:	0			
Watershed:	TRADEWATER	Forest Serv Owner:	0			
Mining Type:	B	Indian Owner:	0			
Ore Types:		Blm Owner:	0			
State Tribe:	KY	Other Federl Owner:	0			
Congressional Dist:	1	Latitude:	37.400000000000			
Problem Area Name:	ROUTE 85 MINES	Longitude:	-87.700000000000			
Funding Source Program:	EMA					
Planning Unit Name:	WHITESIDE CREEK					
Planning Unit No:	1704					
Funded Standard Units:	0.0000000000					
Funded Metric Units:	0.0000000000					
Funded Gpra Acres:	0.0000000000					
Funded Costs:	0.0000000000					
Unfunded Standard Units:	0.0000000000					
Unfunded Metric Units:	0.0000000000					
Unfunded Gpra Acres:	0.0000000000					
Unfunded Costs:	0.0000000000					
Completed Standard Units:	0.0000000000					
Completed Metric Units:	0.0000000000					
Completed Gpra Acres:	0.0000000000					
Completed Costs:	2400.0000000000					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
m-9-919914996-b 9	24 of 24	SW	0.76 / 4,031.05	379.21 / 0	ROUTE 85 MINES	dd-SMCRA-919915661-bb P19-219915661-bb SMCRA
Webster County KY						
AMLIS Key:	KY001177	Problem Area No:	1177			
HUC Code:	05140205	Problem Type:	S			
FIPS Code:	21233	Problem Priority:	1			
Date Prepared:	5/13/1987 12:00:00 AM	Private Owner:	100			
Date Revised:	1/11/2021 5:16:33 PM	State Owner:	0			
Quadrangle Name:	Providence	Park Service Owner:	0			
Watershed:	TRADEWATER	Forest Serv Owner:	0			
Mining Type:	B	Indian Owner:	0			
Ore Types:		Blm Owner:	0			
State Tribe:	KY	Other Federl Owner:	0			
Congressional Dist:	1	Latitude:	37.400000000000			
Problem Area Name:	ROUTE 85 MINES	Longitude:	-87.700000000000			
Funding Source Program:	EMA					
Planning Unit Name:	WHITESIDE CREEK					
Planning Unit No:	1704					
Funded Standard Units:	0.0000000000					
Funded Metric Units:	0.0000000000					
Funded Gpra Acres:	0.0000000000					
Funded Costs:	0.0000000000					
Unfunded Standard Units:	0.0000000000					
Unfunded Metric Units:	0.0000000000					
Unfunded Gpra Acres:	0.0000000000					
Unfunded Costs:	0.0000000000					
Completed Standard Units:	0.0000000000					
Completed Metric Units:	0.0000000000					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
---------	-------------------	-----------	------------------	----------------	------	----

Completed Gpra Acres:	0.000000000					
Completed Costs:	26995.000000000					

m-10-891397558-b <u>10</u>	1 of 1	SSE	0.81 / 4,272.08	364.90 / -14	WARRIOR COAL LLC KY	dd-MINE-891397558-bb pfp-891397558-ky MINE
-------------------------------	--------	-----	--------------------	-----------------	----------------------------	---

Permit No:	8545032	Feat CLS:	SF
Original Permit:	8545032	Region Description:	MADISONVILLE
Permit Status:	Active	Quad Description:	HANSON
Permit Type:	PERMANENT	Contact:	KY Division of Mine Permits
Date Issued:	8/13/2001	Acres:	19503.4267981
National ID:	KY8545032	Shape Length:	203542.901513
Mine Status:	A1	Shape Area:	849569271.325167
Type Flag:	ACT	Shape Len:	203542.90151285
Source:	KYDMP		
Permit Activity:	MT 4 10/12/2018 MI 20 12/01/2016 RN 3 08/04/20		

m-11-891395296-b <u>11</u>	1 of 1	SSW	0.83 / 4,367.19	382.88 / 4	WEBSTER COUNTY COAL LLC KY	dd-MINE-891395296-bb pfp-891395296-ky MINE
-------------------------------	--------	-----	--------------------	---------------	-----------------------------------	---

Permit No:	8545027	Feat CLS:	SF
Original Permit:	8545027	Region Description:	MADISONVILLE
Permit Status:	Released	Quad Description:	NEBO
Permit Type:	PERMANENT	Contact:	KY Division of Mine Permits
Date Issued:	11/16/2000	Acres:	21.61722548
National ID:	KY8545027	Shape Length:	9515.6341554
Mine Status:	RC	Shape Area:	941646.34189526
Type Flag:	INACT	Shape Len:	9515.63415542
Source:	KYDMP		
Permit Activity:	RN 2 10/22/2010 MT 2 09/30/2008 MI 1 09/30/20		

m-12-891392158-b <u>12</u>	1 of 1	SSW	0.84 / 4,419.82	377.22 / -2	ISLAND CREEK COAL COMPANY KY	dd-MINE-891392158-bb pfp-891392158-ky MINE
-------------------------------	--------	-----	--------------------	----------------	-------------------------------------	---

Permit No:	6545006	Feat CLS:	SF
Original Permit:	2545006	Region Description:	MADISONVILLE
Permit Status:	Released	Quad Description:	NEBO
Permit Type:	PERMANENT	Contact:	KY Division of Mine Permits
Date Issued:	6/11/1984	Acres:	1064.83176317
National ID:	KY6545006	Shape Length:	49390.6992331
Mine Status:	RC	Shape Area:	46384071.6036333
Type Flag:	TRNS	Shape Len:	49390.69923329
Source:	KGS Project		
Permit Activity:	SU 12/05/1994 MI 12/02/1994 RN 12/01/19		

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
----	------------------------	---------	------	-----	---------

No unplottable records were found that may be relevant for the search criteria.

DRAFT

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

DRAFT

Appendix Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List:

^(c) NPL-bb

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

National Priority List - Proposed:

^(c) PROPOSED NPL-bb

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

Deleted NPL:

^(c) DELETED NPL-bb

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

SEMS List 8R Active Site Inventory:

^(c) SEMS-bb

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

Government Publication Date: Sep 19, 2023

Inventory of Open Dumps, June 1985:

r-ODI-bb

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites:

r-SEMS ARCHIVE-bb

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Sep 19, 2023

Comprehensive Environmental Response, Compensation and Liability Information System -

r-CERCLIS-bb

CERCLIS:

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands:

r-IODI-bb

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:

r-CERCLIS NFRAP-bb

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means 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 this site on the National Priorities List (NPL). This 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 a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

r-CERCLIS LIENS-bb

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

r-RCRA CORRACTS-bb

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Oct 2, 2023

RCRA non-CORRACTS TSD Facilities:

r-RCRA TSD-bb

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Oct 2, 2023

RCRA Generator List:

RCRA LQG^{bb}

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Oct 2, 2023

RCRA Small Quantity Generators List:

RCRA SQG^{bb}

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Oct 2, 2023

RCRA Very Small Quantity Generators List:

RCRA VSQG^{bb}

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Oct 2, 2023

RCRA Non-Generators:

RCRA NON GEN^{bb}

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Oct 2, 2023

RCRA Sites with Controls:

RCRA CONTROLS^{bb}

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Oct 2, 2023

Federal Engineering Controls-ECs:

FED ENG^{bb}

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Dec 26, 2023

Federal Institutional Controls- ICs:

FED INST^{bb}

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Dec 26, 2023

Land Use Control Information System:

LUCIS^{bb}

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites:

NPL IC^{bb}

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Oct 26, 2023

Emergency Response Notification System:

ERNS 1982 TO 1986^{bb}

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:

ERNS 1987 TO 1989^{bb}

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:

ERNS^{bb}

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Aug 12, 2023

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

FED BROWNFIELDS^{bb}

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Mar 13, 2023

FEMA Underground Storage Tank Listing:

FEMA UST^{bb}

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan:

FRP^{bb}

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: May 2, 2023

Delisted Facility Response Plans:

DELISTED FRP^{bb}

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: May 2, 2023

Historical Gas Stations:

HIST GAS STATIONS ^(HIST-GAS-STATIONS-bb)

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries:

REFN ^(REFN-bb)

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Sep 20, 2023

Petroleum Product and Crude Oil Rail Terminals:

BULK TERMINAL ^(BULK-TERMINAL-bb)

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Sep 22, 2023

LIEN on Property:

SEMS LIEN ^(SEMS-LIEN-bb)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Sep 19, 2023

Superfund Decision Documents:

SUPERFUND ROD ^(SUPERFUND-ROD-bb)

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Dec 26, 2023

Formerly Utilized Sites Remedial Action Program:

DOE FUSRAP ^(DOE-FUSRAP-bb)

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

Brownfield Redevelopment Program:

BROWNFIELDS ^(BROWNFIELDS-bb)

A list of sites in the Brownfield Redevelopment Program. This list is made available by the Kentucky Energy and Environment Cabinet (EEC).

Government Publication Date: Oct 23, 2023

State Leads Priority List:

SHWS ^(SHWS-bb)

This Superfund/State Leads Priority List is maintained by the Kentucky Energy and Environment Cabinet's (EEC) Department of Environmental Protection (DEP). The listing includes sites from regulatory descriptions, when assigned, such as: Petroleum Cleanup, Federal Superfund, State Superfund. This database is state equivalent CERCLIS – State Hazardous Waste Sites.

Government Publication Date: Nov 8, 2023

Delisted State Leads Priority List:

DELISTED SHWS ^(DELISTED-SHWS-bb)

This database contains a list of closed State Hazardous Waste sites that were removed from the Kentucky Department of Environmental Protection (DEP).

Government Publication Date: Nov 8, 2023

Solid Waste Facilities and Landfills:

SWF/LF-bb

A list of Solid Waste Facilities (SWF) and Landfills (LF) made available by the Kentucky Department of Environmental Protection (DEP). This list includes registered contained landfills, construction/demolition debris landfills, residual landfills and special waste landfills.

Government Publication Date: Dec 15, 2023

Historic Landfills:

HIST LANDFILL-bb

According to the Kentucky Department of Environmental Protection (DEP), before solid waste management was regulated in Kentucky, most towns or cities had a common location where household waste and a vast array of other materials were disposed. These "old town dumps" were the de facto landfill for the area, and were rarely operated in a manner consistent with current standards. In most cases they were not properly capped to prevent migration of contaminated leachate and other pollutants. Division records indicate more than 600 of these sites are scattered across the state. The DEP's Solid Waste Branch Closure Section addresses proper closure and remediation of these historic sites. Closure/remediation work is presently ongoing at several sites across the state.

Government Publication Date: Mar 24, 2014

SB193 Branch Site Inventory List:

SB193-bb

This list is comprised of sites that have performed permanent closure activities at regulated underground storage tank facilities and have known soil and/or groundwater contamination. Historical listing made available by the underground storage tank branch in the Department of Environmental Protection (DEP) of Kentucky State.

Government Publication Date: Apr 30, 1985

Ranking List for UST Facilities:

PSTEAF-bb

A list of UST facilities under site investigation which are eligible to receive reimbursement from Financial Responsibility Account (FRA) and Petroleum Storage Tank Account (PSTA) of the Petroleum Storage Tank Environmental Assurance Fund (PSTEAF). Reimbursements from the FRA and PSTA are determined by this ranking system. This list is maintained by the Kentucky Energy and Environment Cabinet's (EEC) Department of Environmental Protection (DEP) Underground Storage Tank Branch.

Government Publication Date: Nov 8, 2023

Underground Storage Tanks:

UST-bb

A list of registered Underground Storage Tanks (USTs) maintained by the Kentucky Energy and Environment Cabinet's (EEC) Department of Environmental Protection (DEP) Underground Storage Tank Branch. This list is composed of documents from the Underground Storage Tank Resources and the Delivery or Deposit Prohibitions eSearch.

Government Publication Date: Nov 8, 2023

State Fire Marshal Underground Storage Tank Permits:

SFM UST PERMIT-bb

List of underground storage tank permits made available by the Kentucky Office of the State Fire Marshal Hazardous Materials Section. The Hazardous Materials Section is responsible for the permitting of flammable, combustible, and hazardous material storage vessel installations. The section permits and plan reviews the installation, repairs, and modifications on underground storage tanks and related components.

Government Publication Date: Jan 11, 2024

State Fire Marshal Aboveground Storage Tank Permits:

SFM AST PERMIT-bb

List of aboveground storage tank permits made available by the Kentucky Office of the State Fire Marshal Hazardous Materials Section. The Hazardous Materials Section is responsible for the permitting of flammable, combustible, and hazardous material storage vessel installations. The section permits and plan reviews the installation, repairs, and modifications on aboveground storage tanks and related components.

Government Publication Date: Jan 11, 2024

State Fire Marshal Liquefied Petroleum Gas Tank Permits:

SFM LPG PERMIT-bb

List of liquified petroleum gas tank permits made available by the Kentucky Office of the State Fire Marshal Hazardous Materials Section. The Hazardous Materials Section regulates the sale and storage of Liquefied Petroleum Gas.

Government Publication Date: Jan 11, 2024

Delisted Storage Tank:

DELISTED STORAGE TANK-bb

This database contains a list of closed storage tank sites that were removed from the Underground Storage Tank Branch in the Kentucky Department of Environmental Protection (DEP).

Government Publication Date: Jan 11, 2024

Sites with Engineering Controls:

ENG-bb

This list of sites with engineering controls in place is made available by the Kentucky Energy and Environment Cabinet's (EEC) Department of Environmental Protection (DEP). The listing includes sites from applicable Open Records Request files pertaining to those with engineering controls implemented as part of a risk management plan, such as containment, constructed physical barrier, monitored natural attenuation, and a number of other methods to contain and/or prevent exposure to hazardous substances, pollutants, and contaminants that may remain on affected properties.

Government Publication Date: Nov 8, 2023

Sites with Institutional Controls:

INST-bb

This list of sites with institutional controls in place is made available by the Kentucky Energy and Environment Cabinet's (EEC) Department of Environmental Protection (DEP). The listing includes sites from applicable Open Records Request files pertaining to those with institutional controls implemented as part of a risk management plan. Institutional controls are legal or administrative instruments (such as deed restrictions, covenants, zoning, easements) that impose restrictions to control exposure to hazardous substances, pollutants, and contaminants that may remain on affected properties.

Government Publication Date: Nov 8, 2023

Voluntary Cleanup Program Sites:

VCP-bb

The Kentucky Department of Environmental Protection (DEP) maintains an inventory of sites that are in the Voluntary Cleanup Program.

Government Publication Date: Apr 11, 2023

Kentucky Brownfield Inventory:

BROWNFIELD INV-bb

Kentucky Brownfield Inventory consists primarily of properties that are receiving, or have received, assessments and/or cleanups under federal brownfield funding to states or local government entities. This list is managed by the Kentucky Department for Environmental Protection (DEP).

Government Publication Date: Oct 20, 2023

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands:

INDIAN LUST-bb

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 4, which includes Kentucky, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Kentucky, according to the U.S. Department of Interior, Bureau of Indian Affairs.

Government Publication Date: Oct 14, 2017

Underground Storage Tanks (USTs) on Indian Lands:

INDIAN UST-bb

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 4, which includes Kentucky, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Kentucky, according to the U.S. Department of Interior, Bureau of Indian Affairs.

Government Publication Date: Oct 14, 2017

Delisted Tribal Leaking Storage Tanks:

DELISTED INDIAN LUST-bb

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 24, 2023

Delisted Tribal Underground Storage Tanks:

DELISTED INDIAN UST-bb

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Oct 24, 2023

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data:

PFAS GHG-bb

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO₂e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Nov 15, 2023

Facility Registry Service/Facility Index:

FINDS/FRS-bb

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Sep 8, 2023

Toxics Release Inventory (TRI) Program:

TRIS-bb

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Oct 19, 2022

PFOA/PFOS Contaminated Sites:

PFAS NPL-bb

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain 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. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Dec 18, 2023

Federal Agency Locations with Known or Suspected PFAS Detections:

PFAS FED SITES-bb

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from March 2022 to September 2023. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Sep 5, 2023

SSEHRI PFAS Contamination Sites:

PFAS SSEHRI-bb

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: <https://pfasproject.com/pfas-sites-and-community-resources/>

Government Publication Date: Oct 9, 2022

National Response Center PFAS Spills:

ERNS PFAS-bb

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam," "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.

Government Publication Date: Nov 21, 2023

PFAS NPDES Discharge Monitoring:

PFAS NPDES-bb

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer 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. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Nov 27, 2023

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:

PFAS TRI-bb

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Oct 19, 2022

Perfluorinated Alkyl Substances (PFAS) Water Quality:

PFAS WATER-bb

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities:

PFAS TSCA-bb

The U.S. Environmental Protection Agency (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. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest :

PFAS E-MANIFEST-bb

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. 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 Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Dec 13, 2023

PFAS Industry Sectors:

PFAS IND-bb

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Dec 4, 2023

Hazardous Materials Information Reporting System:

HMIRS-bb

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: Nov 26, 2023

National Clandestine Drug Labs:

NCDL-bb

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

Government Publication Date: Jul 26, 2023

Toxic Substances Control Act:

TSCA-bb

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA:

HIST TSCA-bb

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

FTTS ADMIN-bb

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP-bb

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP-bb

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

State Coalition for Remediation of Drycleaners Listing:

SCRD DRYCLEANER^{bb}

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

ICIS^{bb}

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Jan 21, 2023

Drycleaner Facilities:

FED DRYCLEANER^{bb}

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jul 23, 2023

Delisted Drycleaner Facilities:

DELISTED FED DRY^{bb}

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jul 23, 2023

Formerly Used Defense Sites:

FUDS^{bb}

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites:

FUDS MRS^{bb}

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites:

FORMER NIKE^{bb}

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents:

PIPELINE INCIDENT^{bb}

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: Nov 6, 2023

Material Licensing Tracking System (MLTS):

MLTS^{bb}

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS^{bb}

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

MINES^{bb}

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: May 1, 2023

Surface Mining Control and Reclamation Act Sites:

SMCRA^{bb}

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The data 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. Disclaimer: Per the OSMRE, States and tribes who enter their data into eAMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Jun 13, 2023

Mineral Resource Data System:

MRDS^{bb}

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites:

LM SITES^{bb}

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations:

ALT FUELS^{bb}

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 30, 2023

Superfunds Consent Decrees:

CONSENT DECREEs-bb

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Apr 19, 2023

Air Facility System:

AFS-bb

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments:

SSTS-bb

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Mar 1, 2023

Polychlorinated Biphenyl (PCB) Transformers:

PCBT-bb

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers:

PCB-bb

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 30, 2023

State

Incidents:

SPILLS-bb

A list of incidents reported to the Kentucky Department of Environmental Protection (Kentucky DEP) where hazardous materials may have been spilled and/or released.

Government Publication Date: Dec 5, 2023

Clandestine Drug Laboratory Locations:

CBL-bb

The Kentucky Department of Environmental Protection's (DEP) Division of Waste Management Superfund Branch maintains this list of clandestine methamphetamine laboratory locations.

Government Publication Date: Feb 15, 2023

Permitted Mine Boundaries:

MINE-bb

Boundaries of approved permitted mines for surface and underground mining in Kentucky. This includes western and eastern coal fields; active, inactive, and released permits. This data set is made available by the Division of Mine Permits, Kentucky Department for Natural Resources.

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

DRAFT

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



Property Information

Order Number: 24020600826p
 Date Completed: February 7, 2024
 Project Number: 210252
 Project Property: Weirs Creek - Additional Parcels (210252)
 Webster County Providence KY
 Coordinates:
 Latitude: 37.41620849
 Longitude: -87.68453264
 UTM Northing: 4141265.22149 Meters
 UTM Easting: 439426.181183 Meters
 UTM Zone: UTM Zone 16S
 Elevation: 379.00 ft
 Slope Direction: N/A

Topographic Information.....	2
Hydrologic Information.....	12
Geologic Information.....	25
Soil Information.....	31
Wells and Additional Sources.....	43
Summary.....	48
Detail Report.....	50
Radon Information.....	79
Appendix.....	80
Liability Notice.....	82

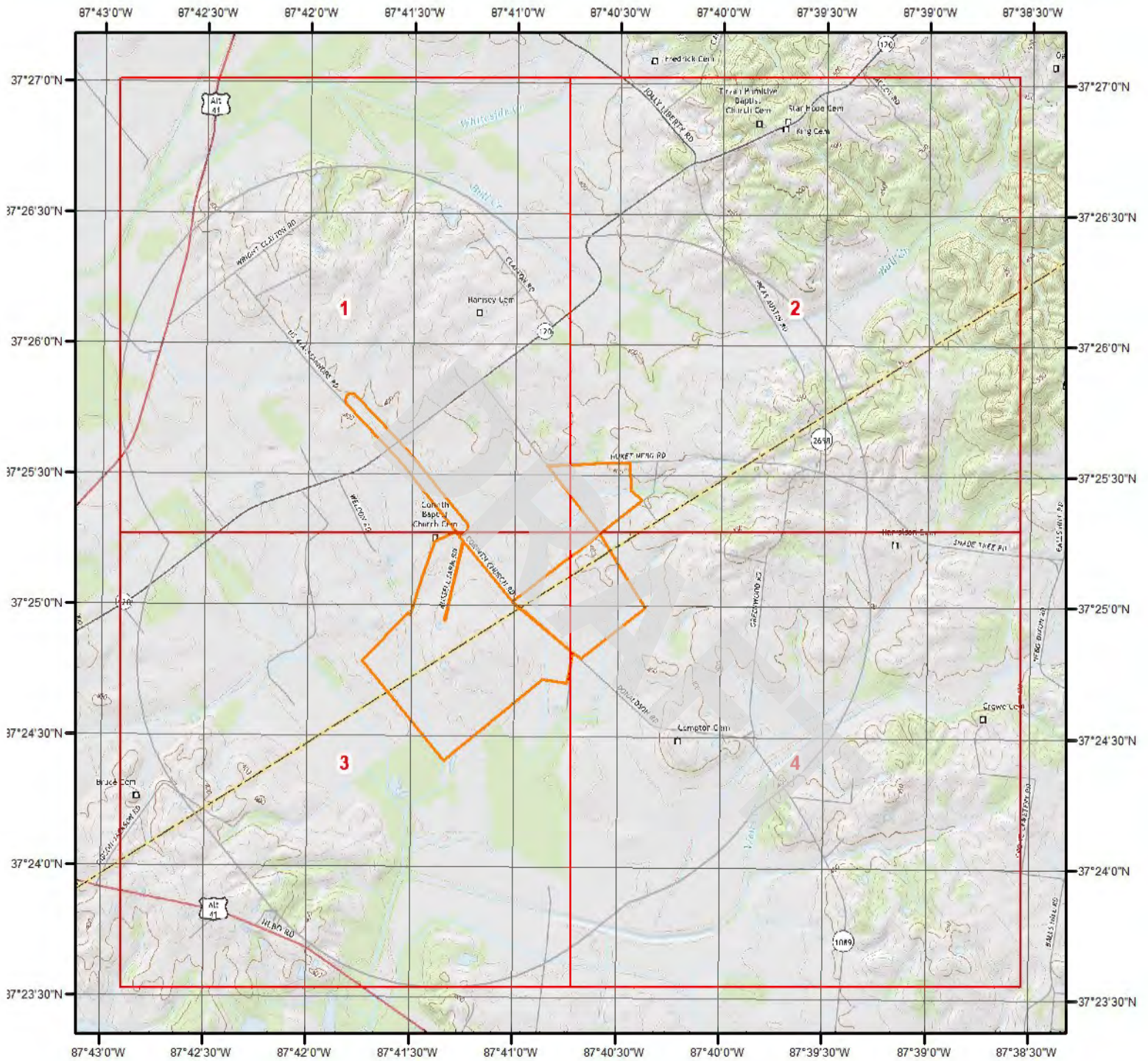
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

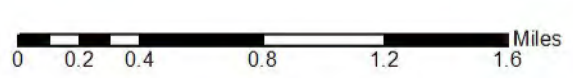
Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2019)

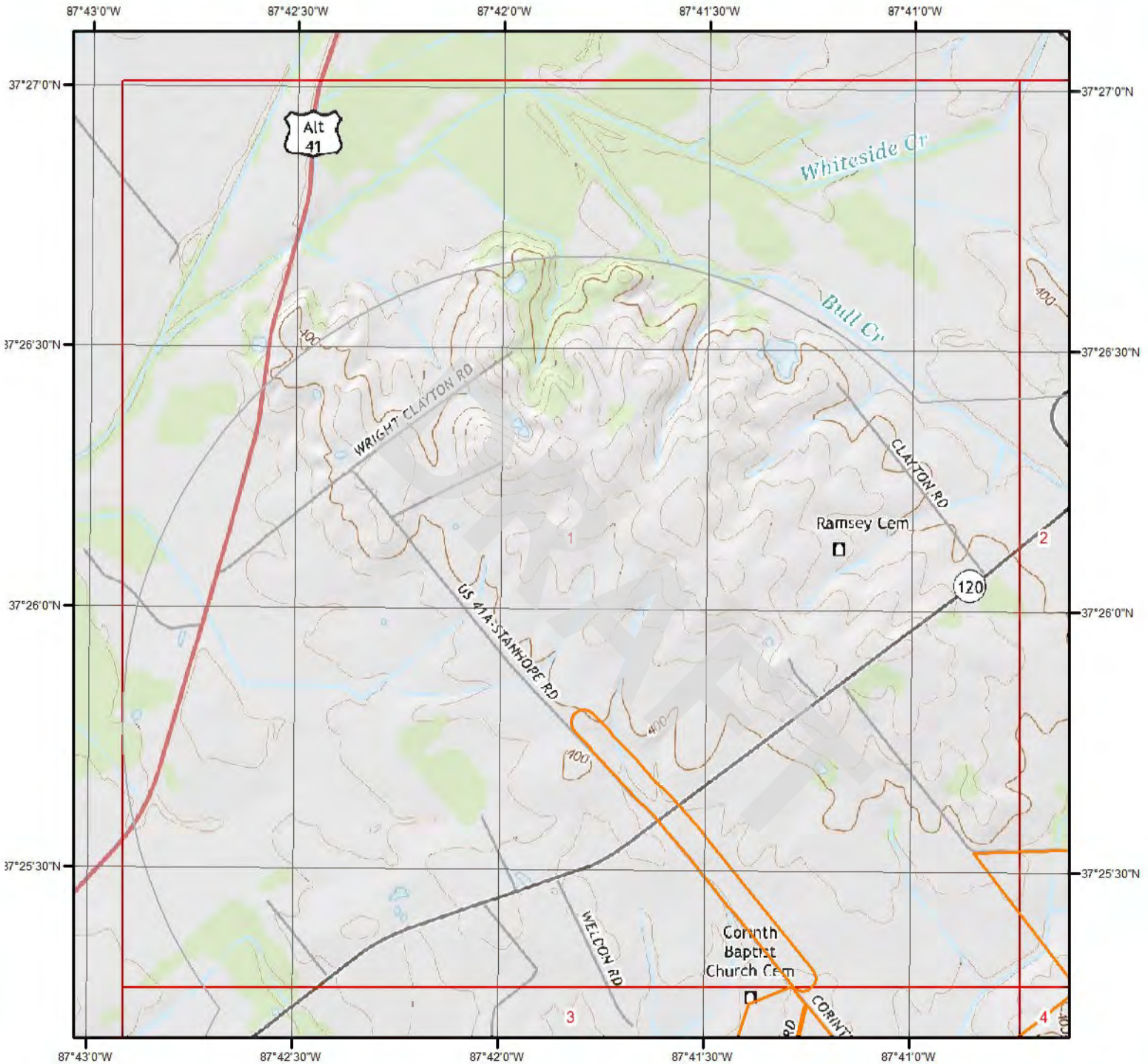


Quadrangle(s): Bordley, KY; Dixon, KY; Dalton, KY; Coiltown, KY; Providence, KY; Nebo, KY; Madisonville West, KY; Slaughters, KY; Seb

Source: USGS 7.5 Minute Topographic Map



Topographic Information



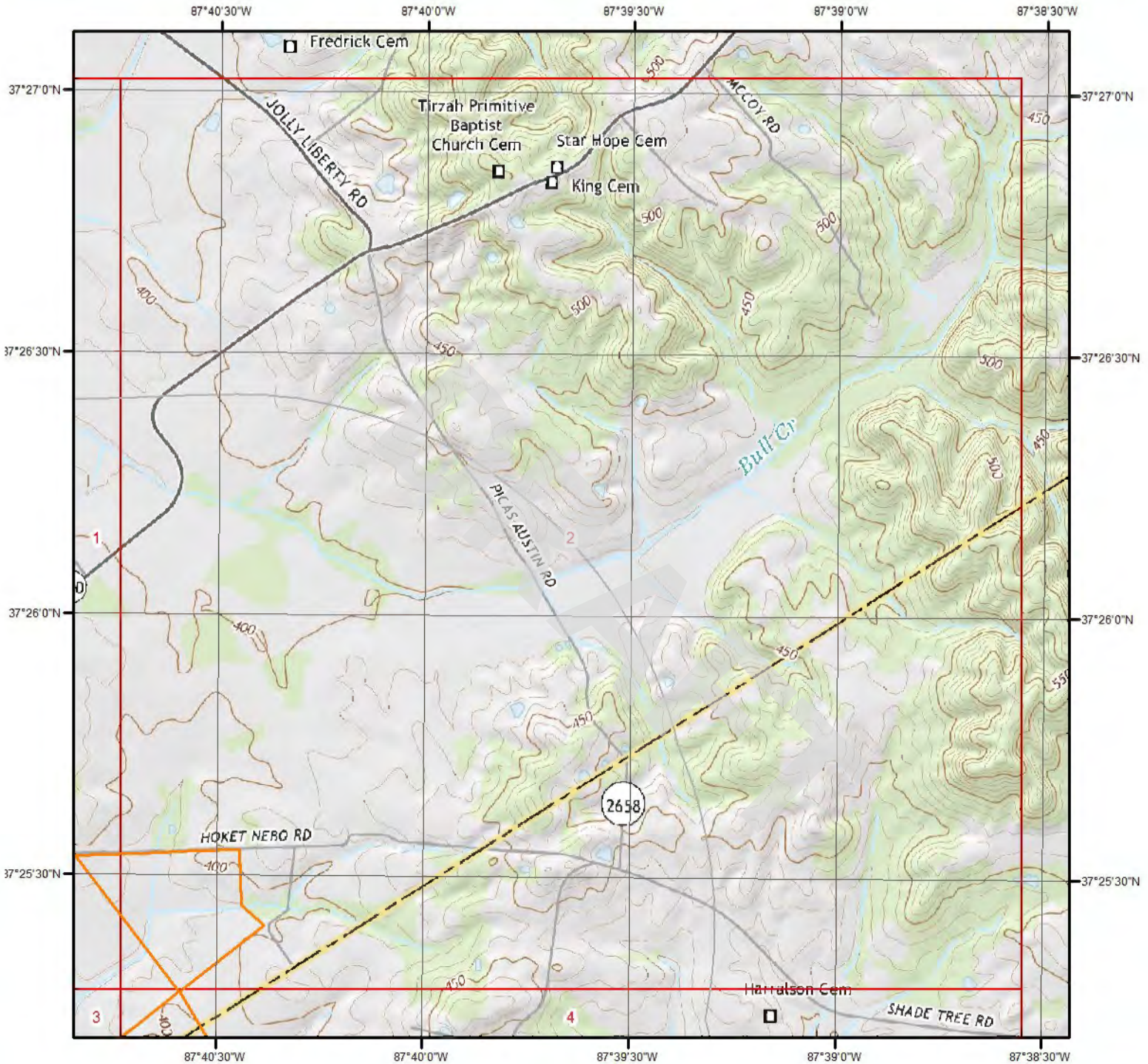
Current USGS Topo - Page 1

Quadrangle(s): Nebo, KY

Source: USGS 7.5 Minute Topographic Map



Topographic Information



Current USGS Topo - Page 2

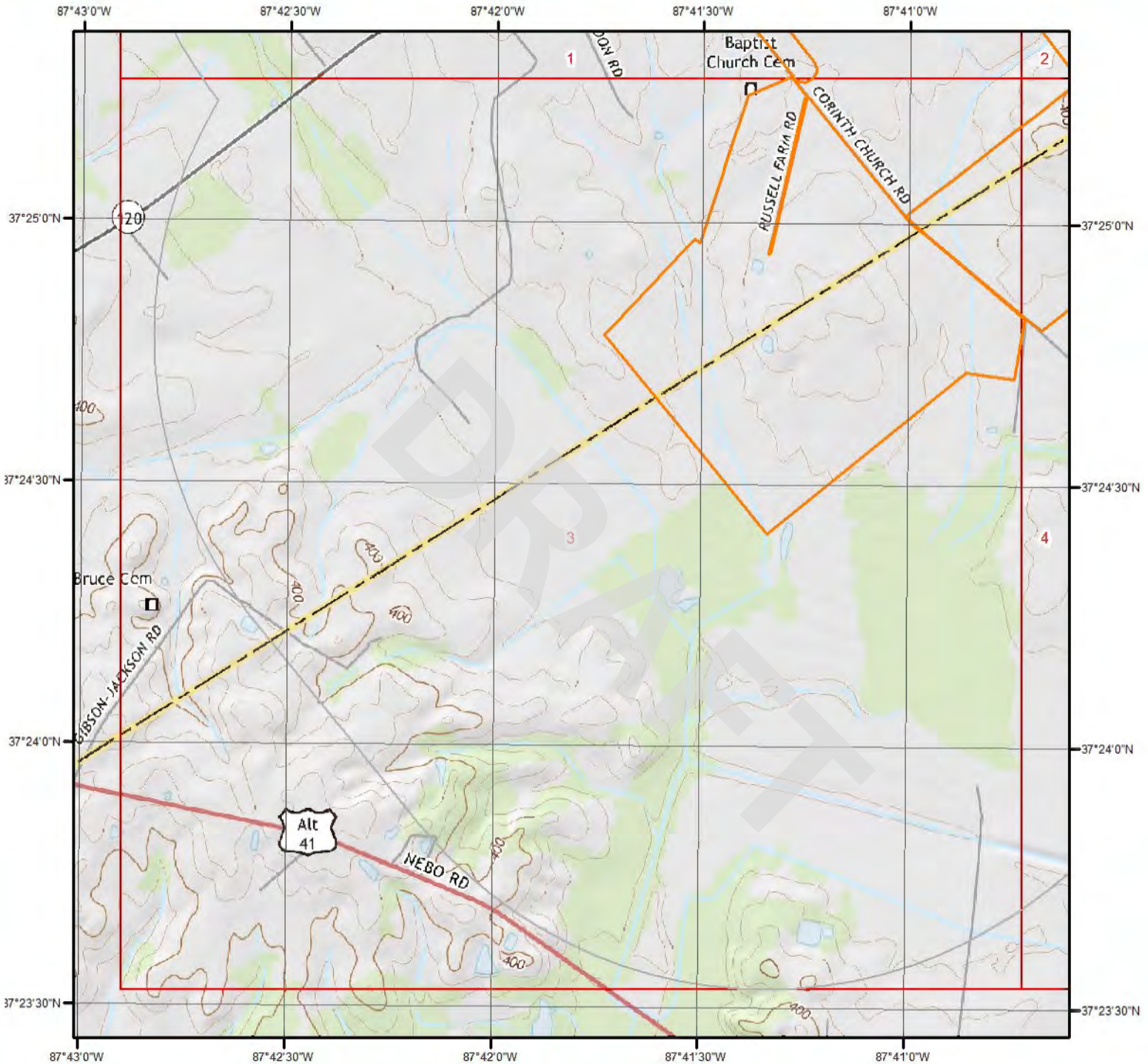


Quadrangle(s): Nebo, KY

Source: USGS 7.5 Minute Topographic Map



Topographic Information



Current USGS Topo - Page 3

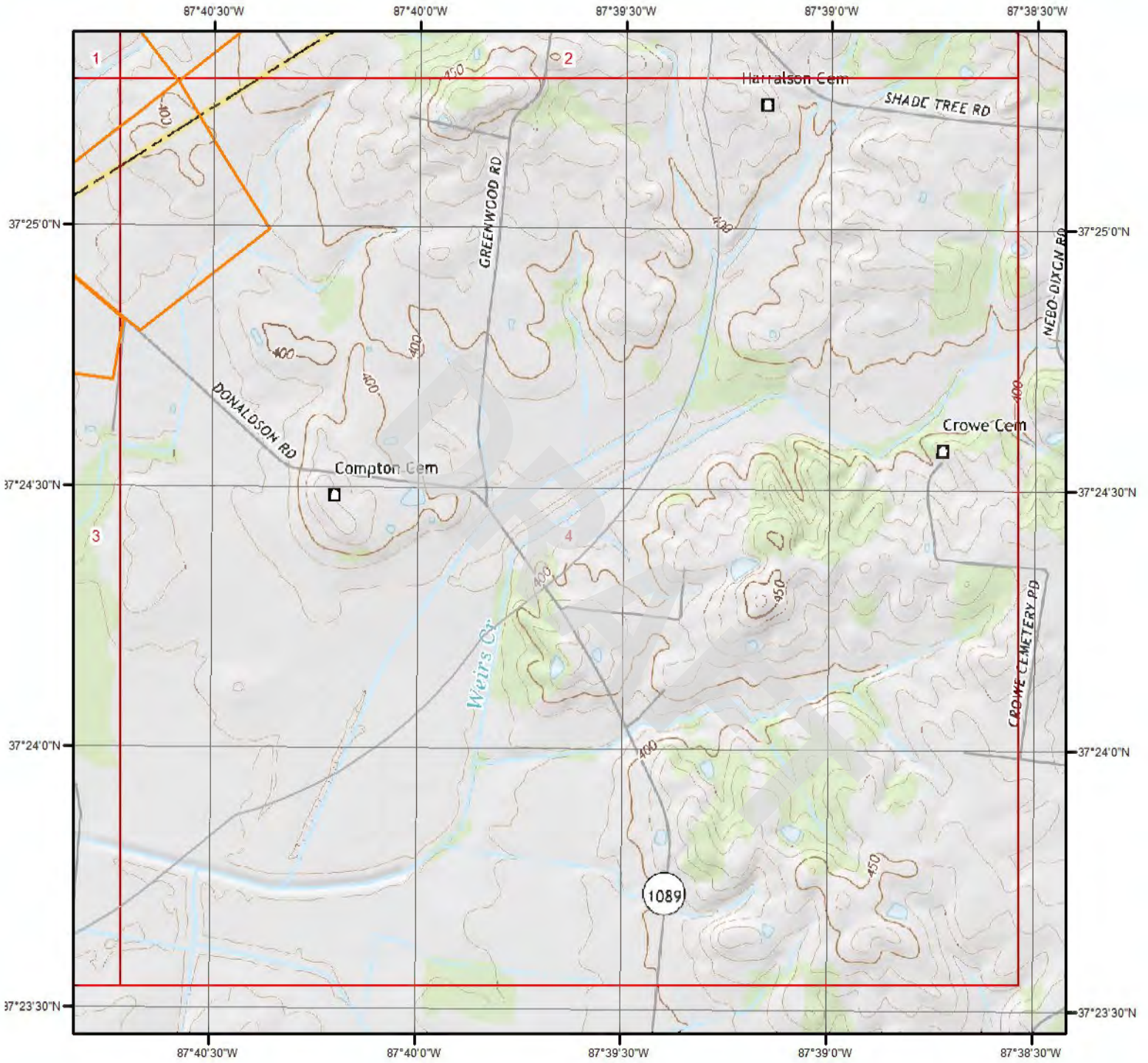


Quadrangle(s): Nebo, KY

Source: USGS 7.5 Minute Topographic Map



Topographic Information



Current USGS Topo - Page 4

Quadrangle(s): Nebo, KY

Source: USGS 7.5 Minute Topographic Map

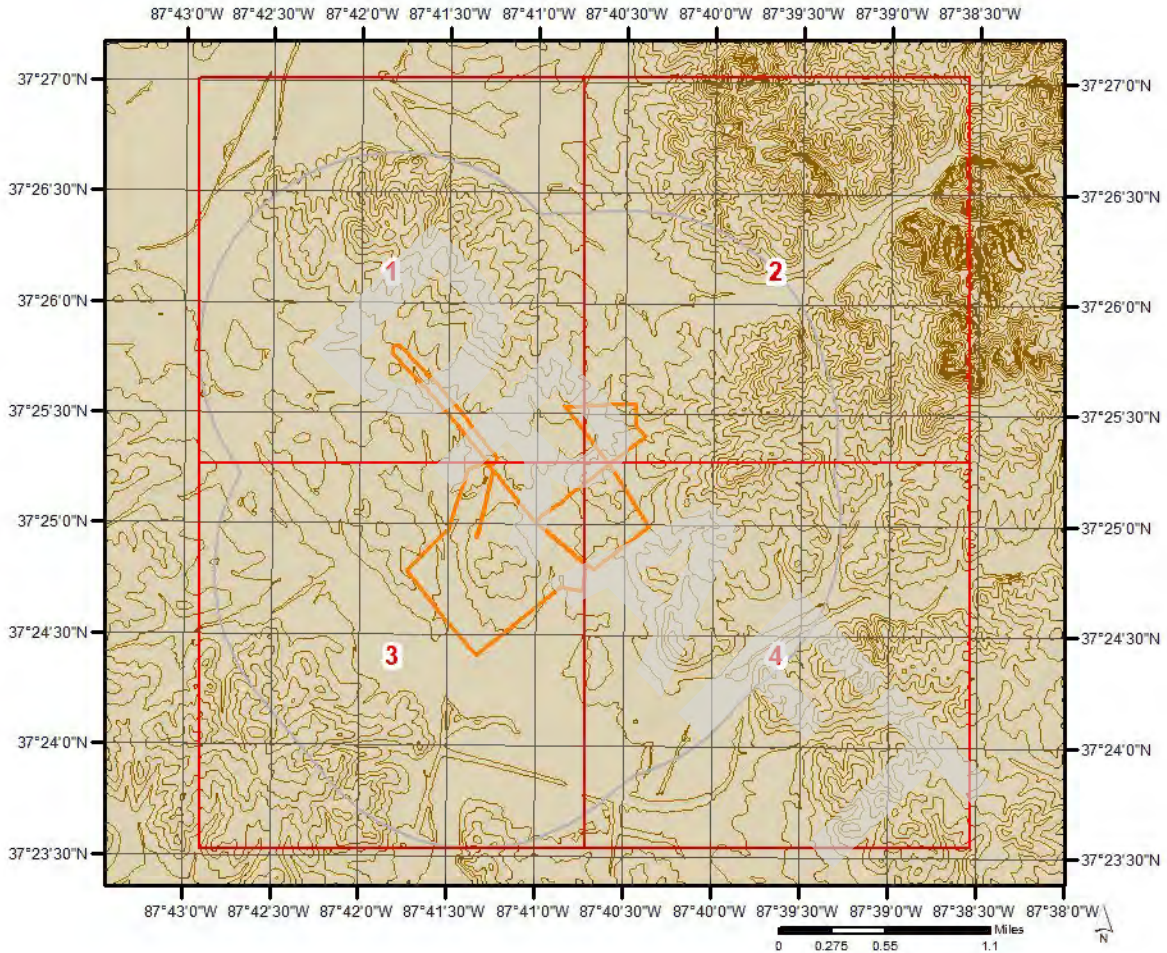


Topographic Information

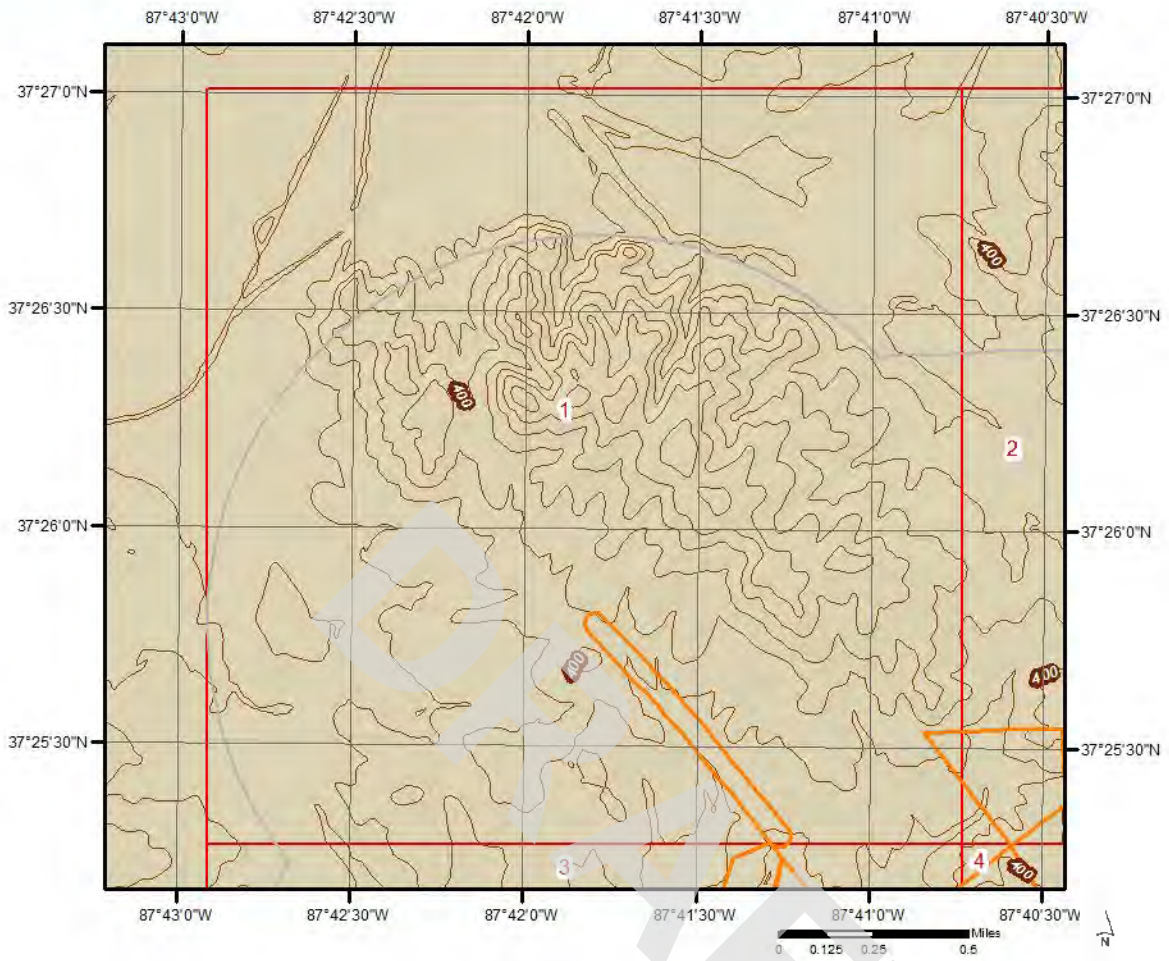
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

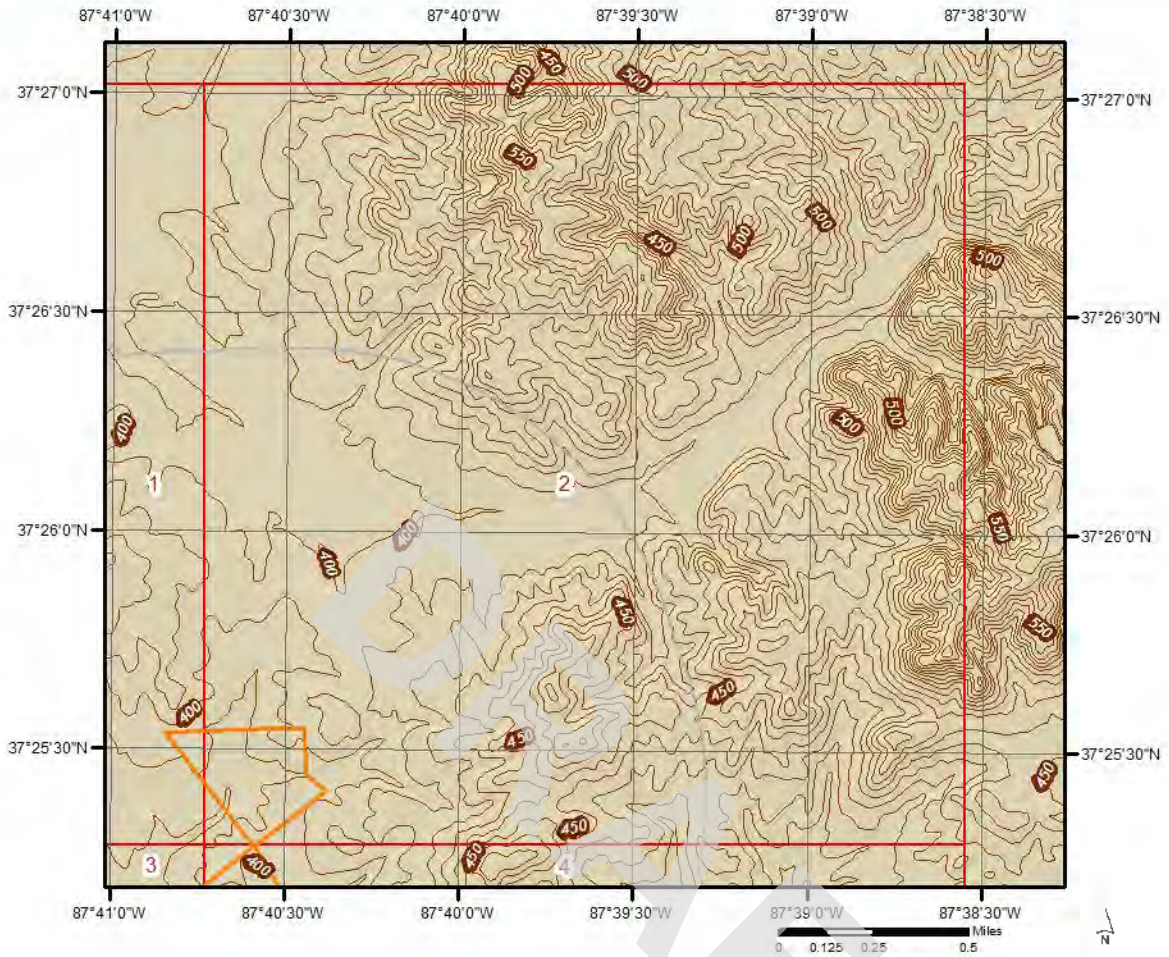
Elevation: 379.00 ft
Slope Direction: N/A



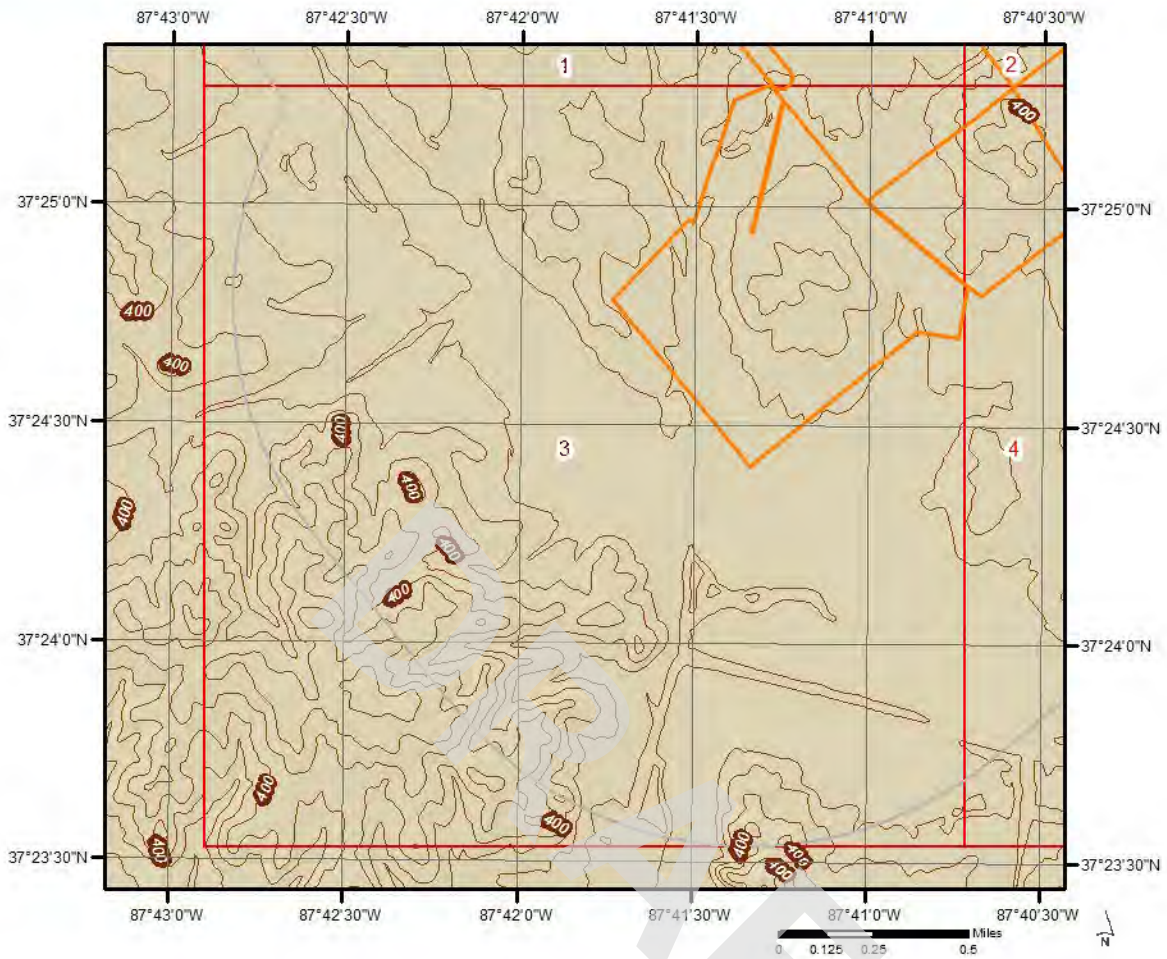
Topographic Information



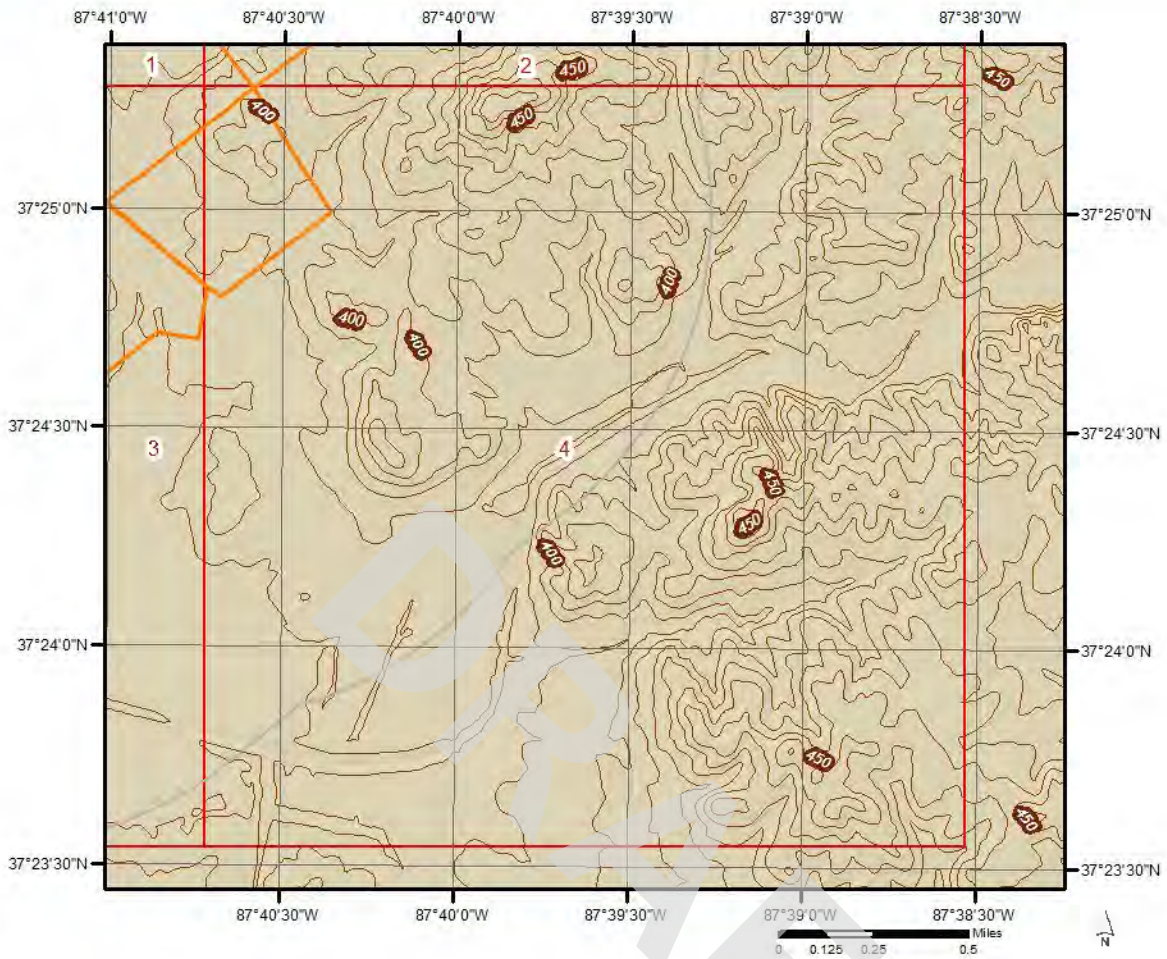
Topographic Information



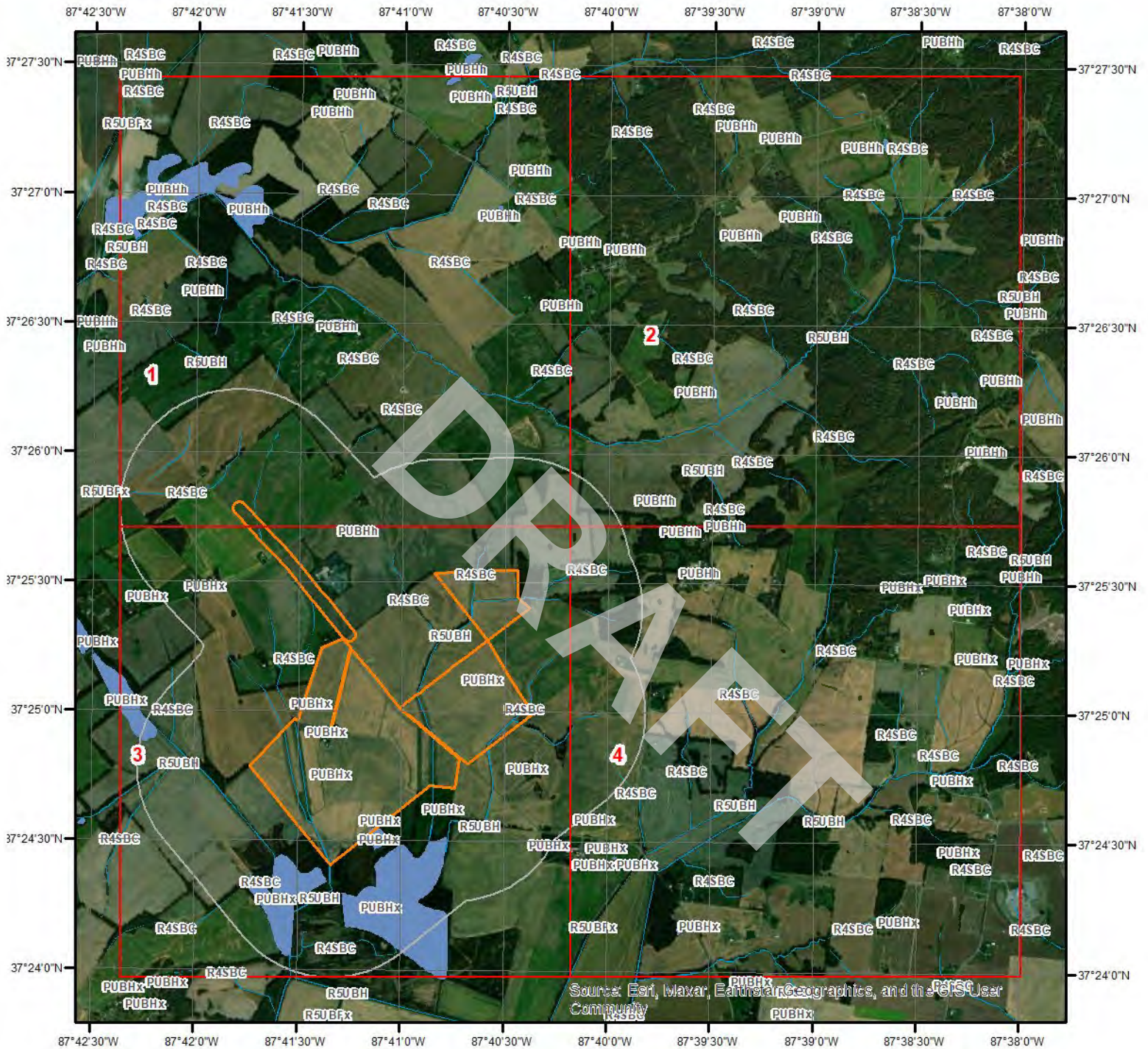
Topographic Information



Topographic Information











Hydrologic Information



Wetland

This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

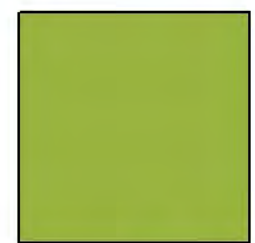
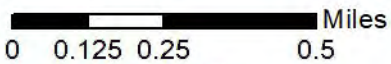
- | | |
|---|---|
|  Estuarine and Marine Deepwater |  Freshwater Pond |
|  Estuarine and Marine Wetland |  Lake |
|  Freshwater Emergent Wetland |  Other |
|  Freshwater Forested/Shrub Wetland |  Riverine |











Hydrologic Information



Wetland Type - Page 1



This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

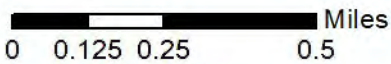
- | | |
|---|---|
|  Estuarine and Marine Deepwater |  Freshwater Pond |
|  Estuarine and Marine Wetland |  Lake |
|  Freshwater Emergent Wetland |  Other |
|  Freshwater Forested/Shrub Wetland |  Riverine |











Hydrologic Information



Wetland Type - Page 2



This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

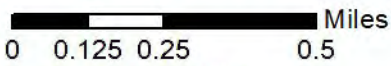
- | | |
|---|---|
|  Estuarine and Marine Deepwater |  Freshwater Pond |
|  Estuarine and Marine Wetland |  Lake |
|  Freshwater Emergent Wetland |  Other |
|  Freshwater Forested/Shrub Wetland |  Riverine |











Hydrologic Information



Wetland Type - Page 3



This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

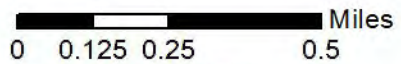
- | | |
|---|---|
|  Estuarine and Marine Deepwater |  Freshwater Pond |
|  Estuarine and Marine Wetland |  Lake |
|  Freshwater Emergent Wetland |  Other |
|  Freshwater Forested/Shrub Wetland |  Riverine |











Hydrologic Information

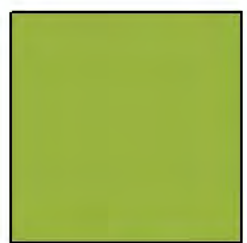


Wetland Type - Page 4



This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

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



Hydrologic Information

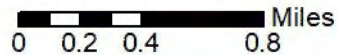


Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

- | | | | |
|---|-----------------------------------|---|---|
|  | 1% Annual Chance Flood Hazard |  | 0.2% Annual Chance Flood Hazard |
|  | Regulatory Floodway |  | Future Conditions 1% Annual Chance Flood Hazard |
|  | Special Floodway |  | Area with Reduced Risk Due to Levee |
|  | Area of Undetermined Flood Hazard |  | Area with Risk Due to Levee |
| | |  | Open Water |

Quadrangle(s): Bordley,KY; Dixon,KY;
Dalton,KY; Coiltown,KY; Providence,KY;












Hydrologic Information

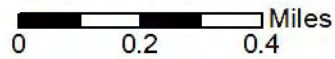


Flood Hazard Zones - Page 1

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard

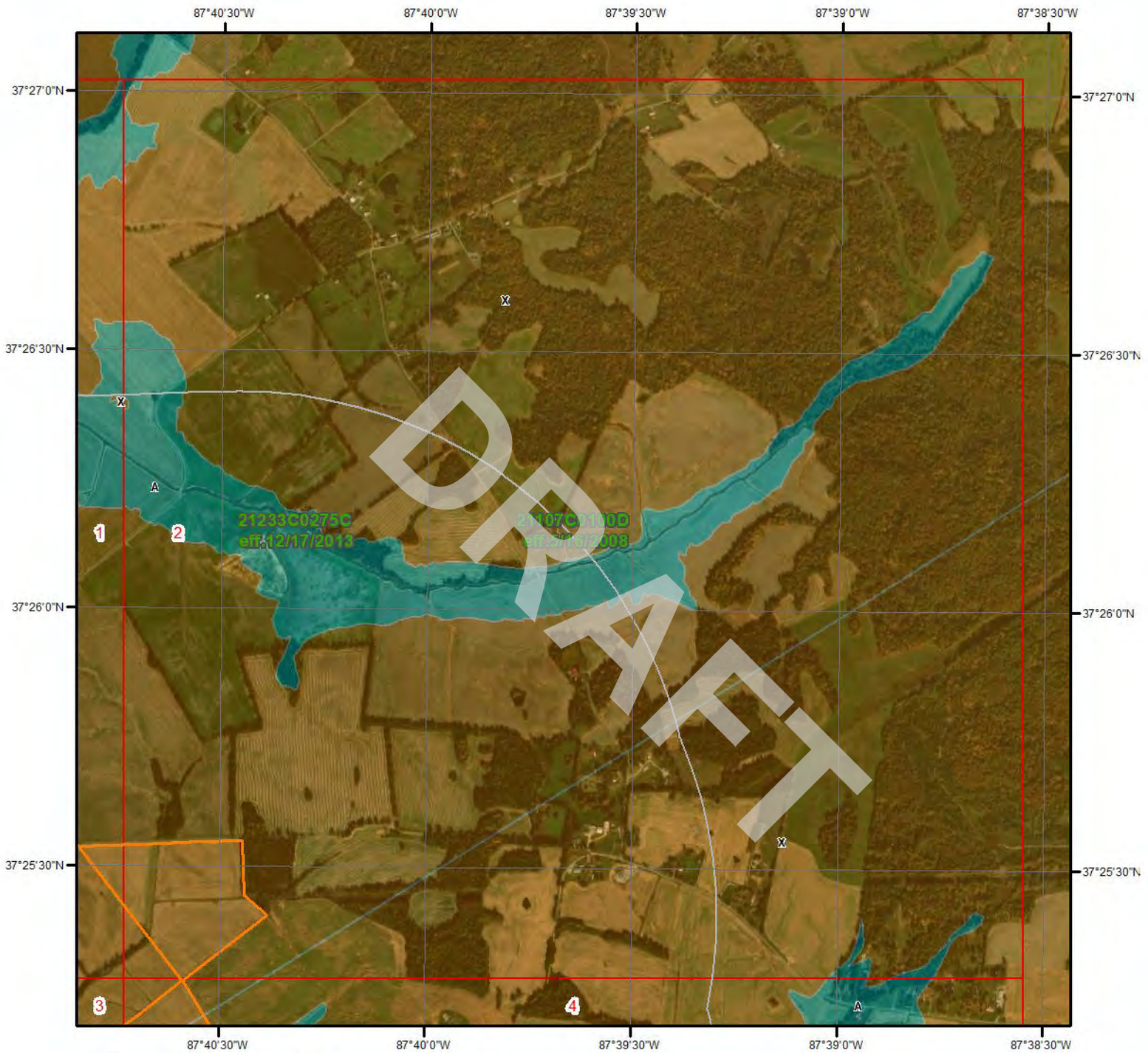
-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee
-  Area with Risk Due to Levee
-  Open Water



Quadrangle(s):












Hydrologic Information

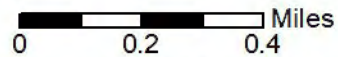


Flood Hazard Zones - Page 2

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard

-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee
-  Area with Risk Due to Levee
-  Open Water



Quadrangle(s):



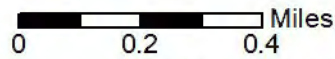
Hydrologic Information



Flood Hazard Zones - Page 3

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard



- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

Quadrangle(s):












Hydrologic Information

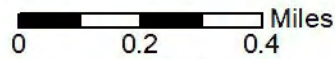


Flood Hazard Zones - Page 4

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

-  1% Annual Chance Flood Hazard
-  Regulatory Floodway
-  Special Floodway
-  Area of Undetermined Flood Hazard

-  0.2% Annual Chance Flood Hazard
-  Future Conditions 1% Annual Chance Flood Hazard
-  Area with Reduced Risk Due to Levee
-  Area with Risk Due to Levee
-  Open Water



Quadrangle(s):



Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

Available FIRM Panels in area: 21107C0100D(effective:2008-05-16) 21233C0275C(effective:2013-12-17)

Flood Zone A-01

Zone: A

Zone subtype:

Flood Zone X-12

Zone: X

Zone subtype: AREA OF MINIMAL FLOOD HAZARD

DRAFT

Hydrologic Information

FEMA Flood Zone Definitions

Special Flood Hazard Areas – High Risk

Special Flood Hazard Areas represent the area subject to inundation by 1-percent-annual chance flood. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory flood insurance purchase requirements apply in these zones.

ZONE	DESCRIPTION
A	Areas subject to inundation by the 1-percent-annual-chance flood event. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown.
AE, A1-A30	Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. BFEs are shown within these zones. (Zone AE is used on new and revised maps in place of Zones A1–A30.)
AH	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually areas of ponding) where average depths are 1–3 feet. BFEs derived from detailed hydraulic analyses are shown in this zone.
AO	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually sheet flow on sloping terrain) where average depths are 1–3 feet. Average flood depths derived from detailed hydraulic analyses are shown within this zone.
AR	Areas that result from the decertification of a previously accredited flood protection system that is determined to be in the process of being restored to provide base flood protection.
A99	Areas subject to inundation by the 1-percent-annual-chance flood event, but which will ultimately be protected upon completion of an under-construction Federal flood protection system. These are areas of special flood hazard where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes. Zone A99 may be used only when the flood protection system has reached specified statutory progress toward completion. No BFEs or flood depths are shown.

Coastal High Hazard Areas – High Risk

Coastal High Hazard Areas (CHHA) represent the area subject to inundation by 1-percent-annual chance flood, extending from offshore to the inland limit of a primary front al dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. Structures located within the CHHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory purchase requirements apply in these zones.

ZONE	DESCRIPTION
V	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards associated with storm-induced waves. Because detailed coastal analyses have not been performed, no BFEs or flood depths are shown.
VE, V1-V30	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action. BFEs derived from detailed hydraulic coastal analyses are shown within these zones. (Zone VE is used on new and revised maps in place of Zones V1–V30.)

Hydrologic Information

Moderate and Minimal Risk Areas

Areas of moderate or minimal hazard are studied based upon the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Local stormwater drainage systems are not normally considered in a community's flood insurance study. The failure of a local drainage system can create areas of high flood risk within these zones. Flood insurance is available in participating communities, but is not required by regulation in these zones. Nearly 25-percent of all flood claims filed are for structures located within these zones.

ZONE	DESCRIPTION
B, X (shaded)	Moderate risk areas within the 0.2-percent-annual-chance floodplain, areas of 1-percent-annual-chance flooding where average depths are less than 1 foot, areas of 1-percent-annual-chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent-annual-chance flood by a levee. No BFEs or base flood depths are shown within these zones. (Zone X (shaded) is used on new and revised maps in place of Zone B.)
C, X (unshaded)	Minimal risk areas outside the 1-percent and .2-percent-annual-chance floodplains. No BFEs or base flood depths are shown within these zones. (Zone X (unshaded) is used on new and revised maps in place of Zone C.)

Undetermined Risk Areas

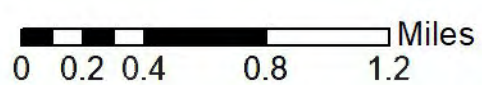
ZONE	DESCRIPTION
D	Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

Geologic Information

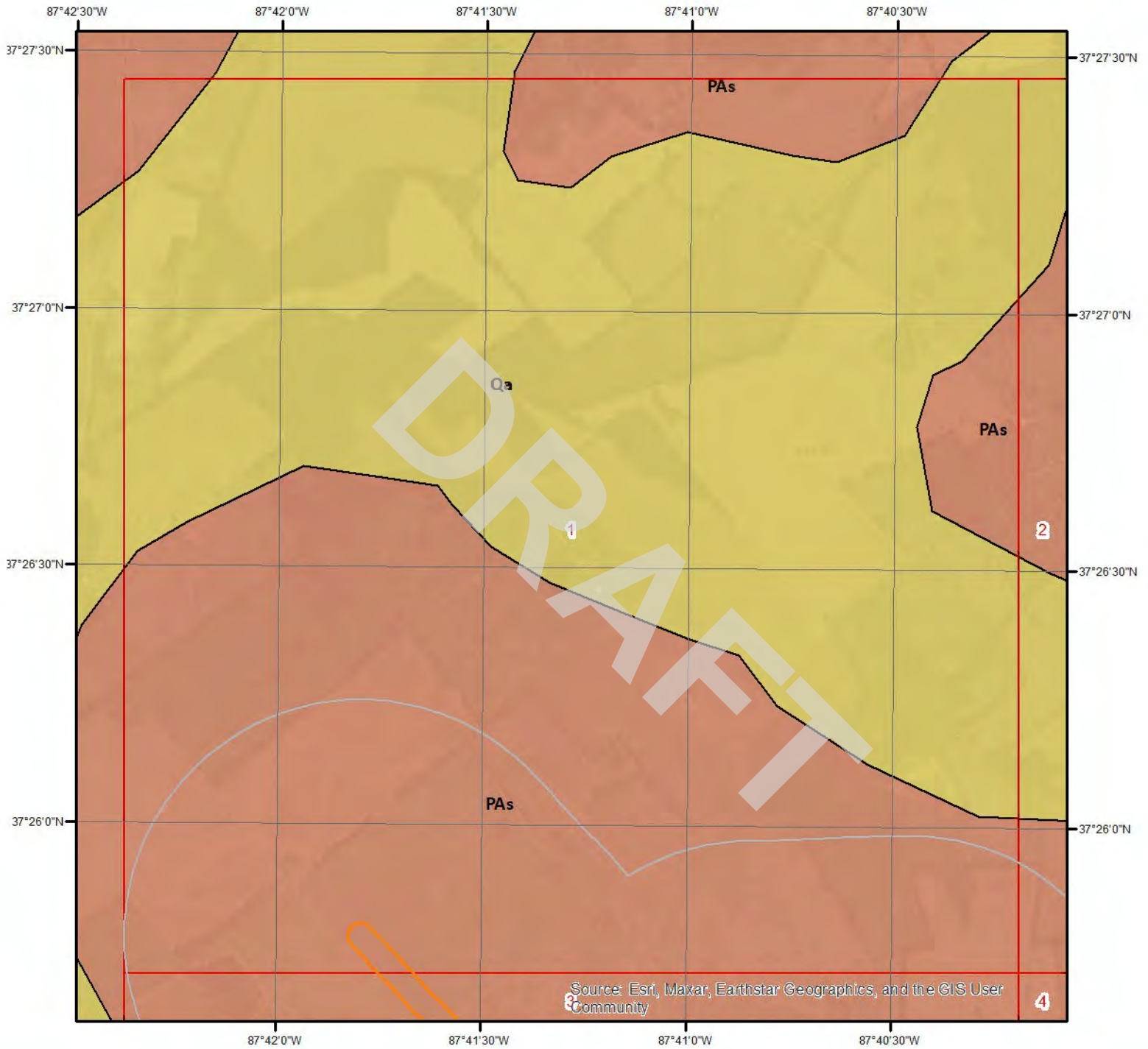


Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

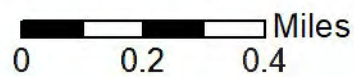


Geologic Information

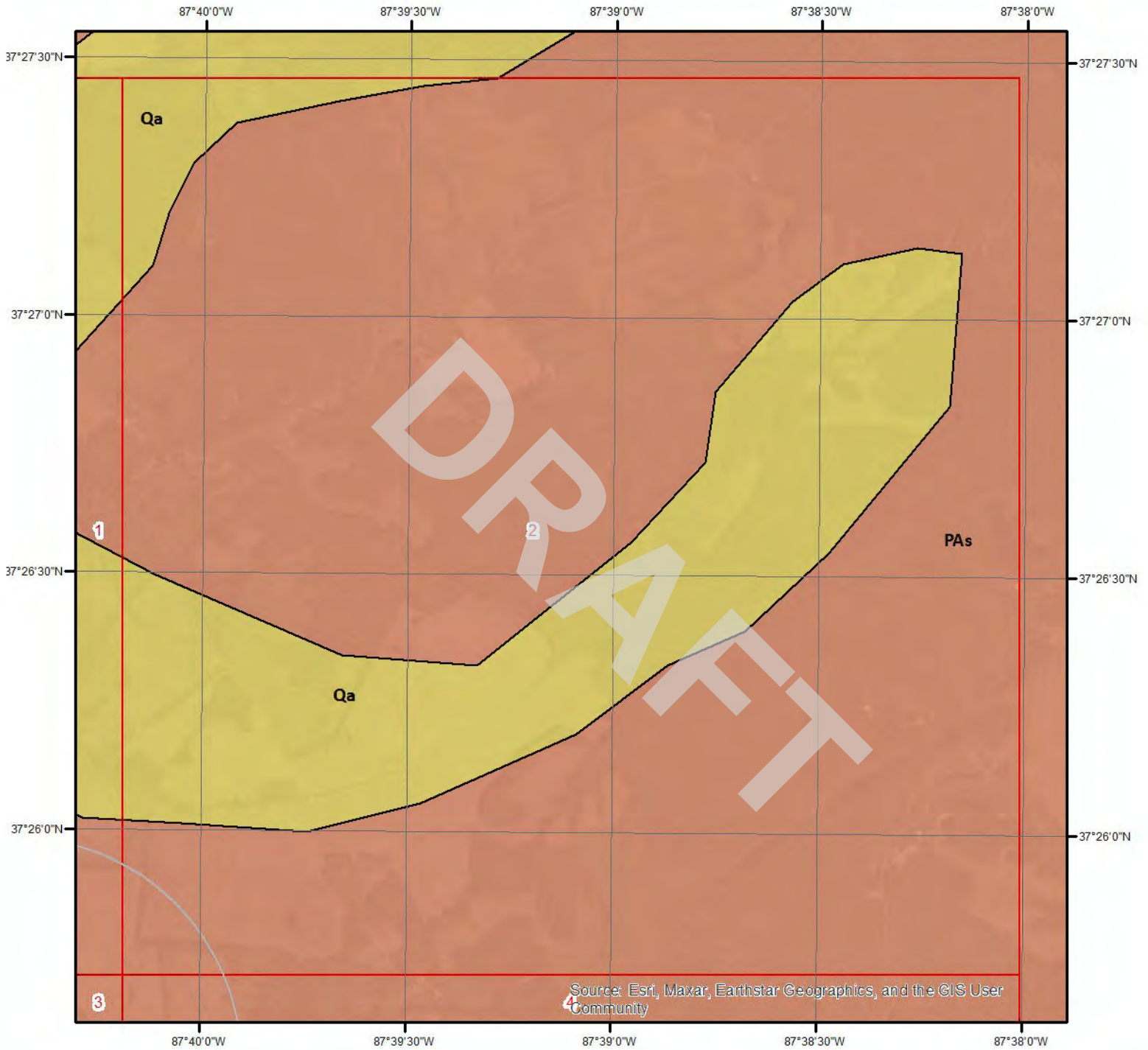


Geologic Units - Page 1

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

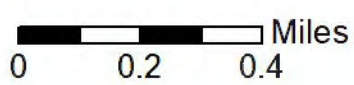


Geologic Information

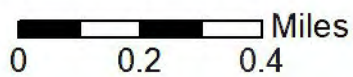
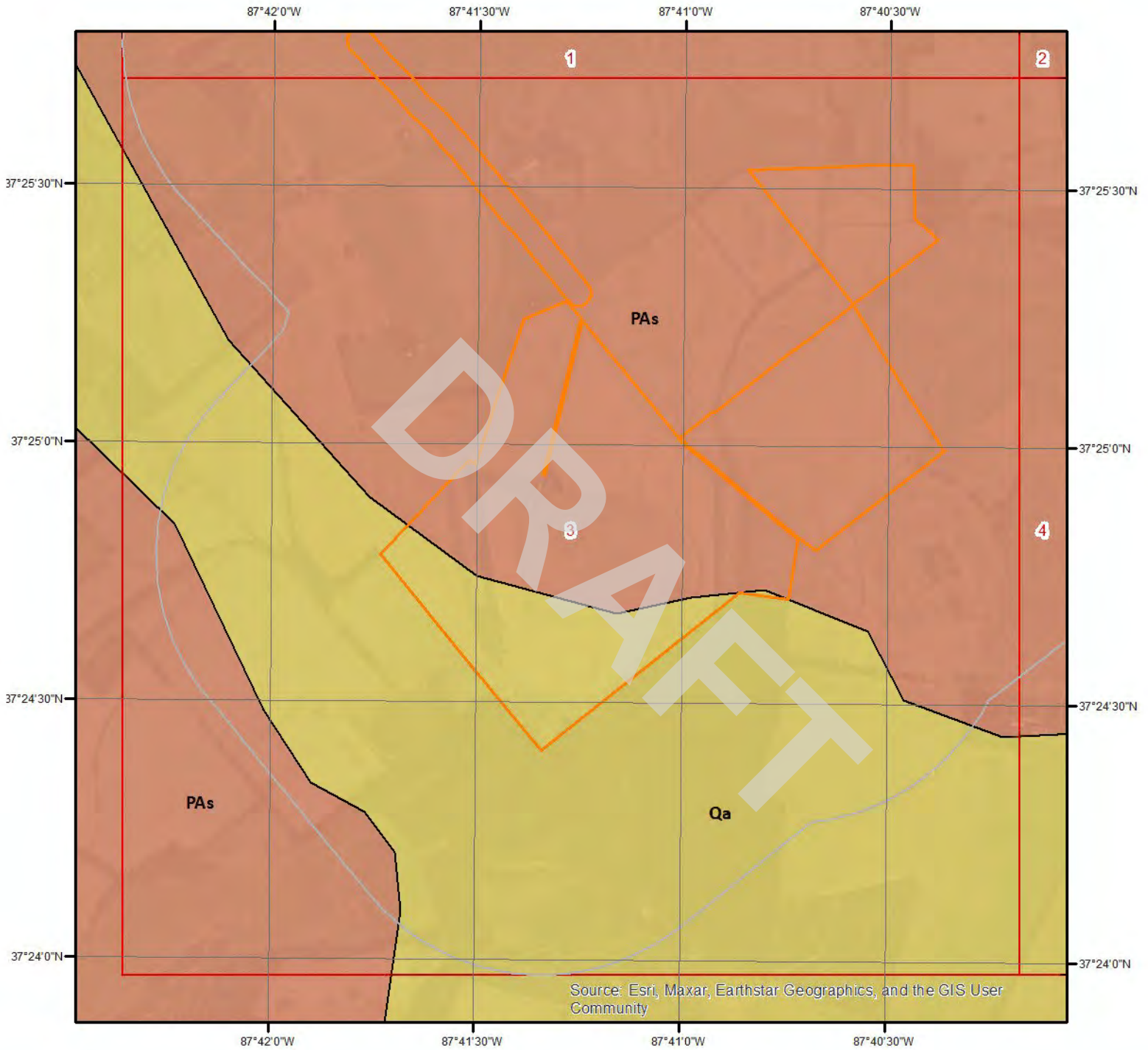


Geologic Units - Page 2

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



Geologic Information

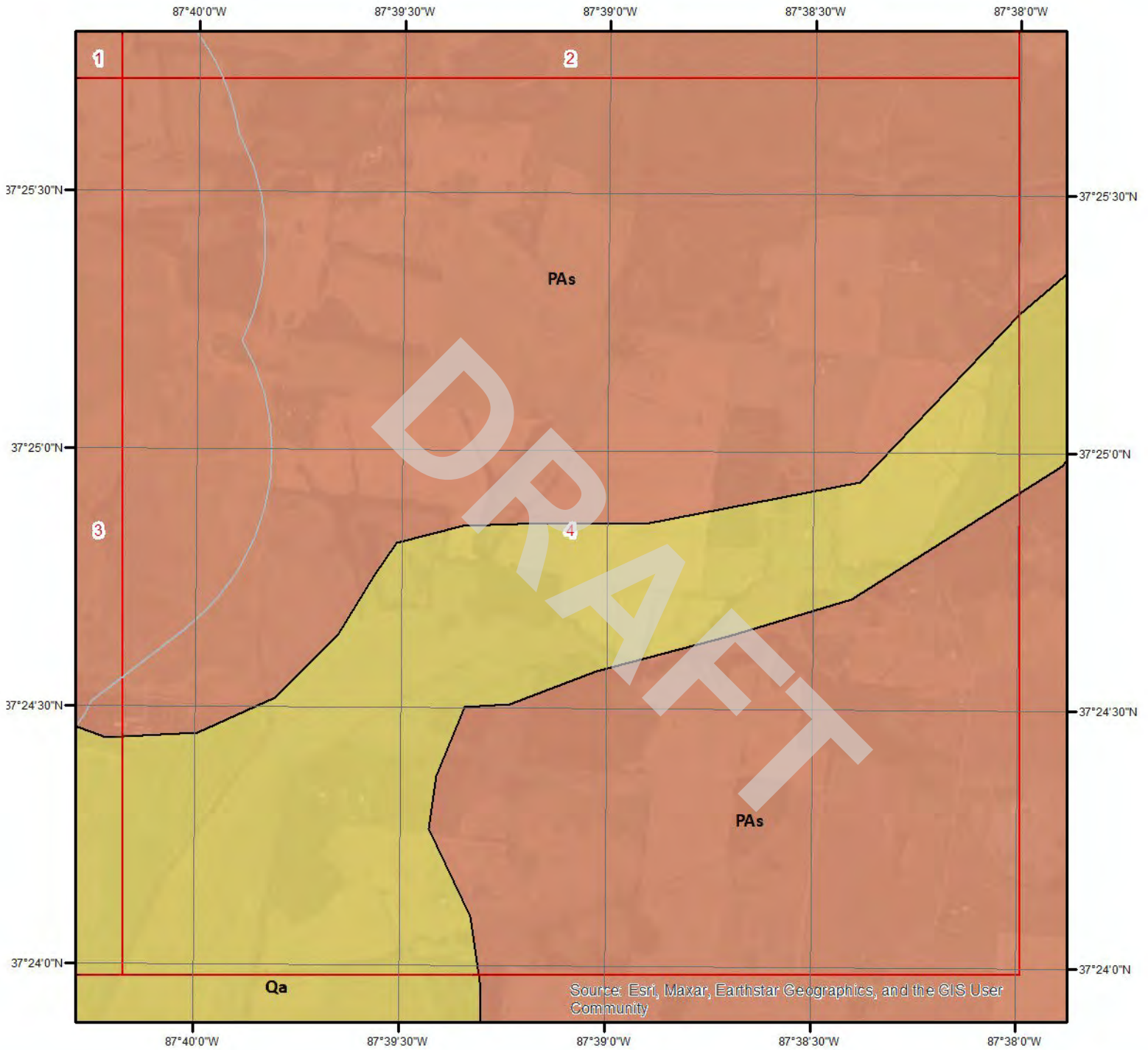


Geologic Units - Page 3

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



Geologic Information



Geologic Units - Page 4

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Qa

Unit Name:	Alluvium
Unit Age:	Pleistocene to Holocene
Primary Rock Type:	sand
Secondary Rock Type:	silt
Unit Description:	Alluvium; includes glacial deposits along the Ohio River and its tributaries west of Cannelton locks

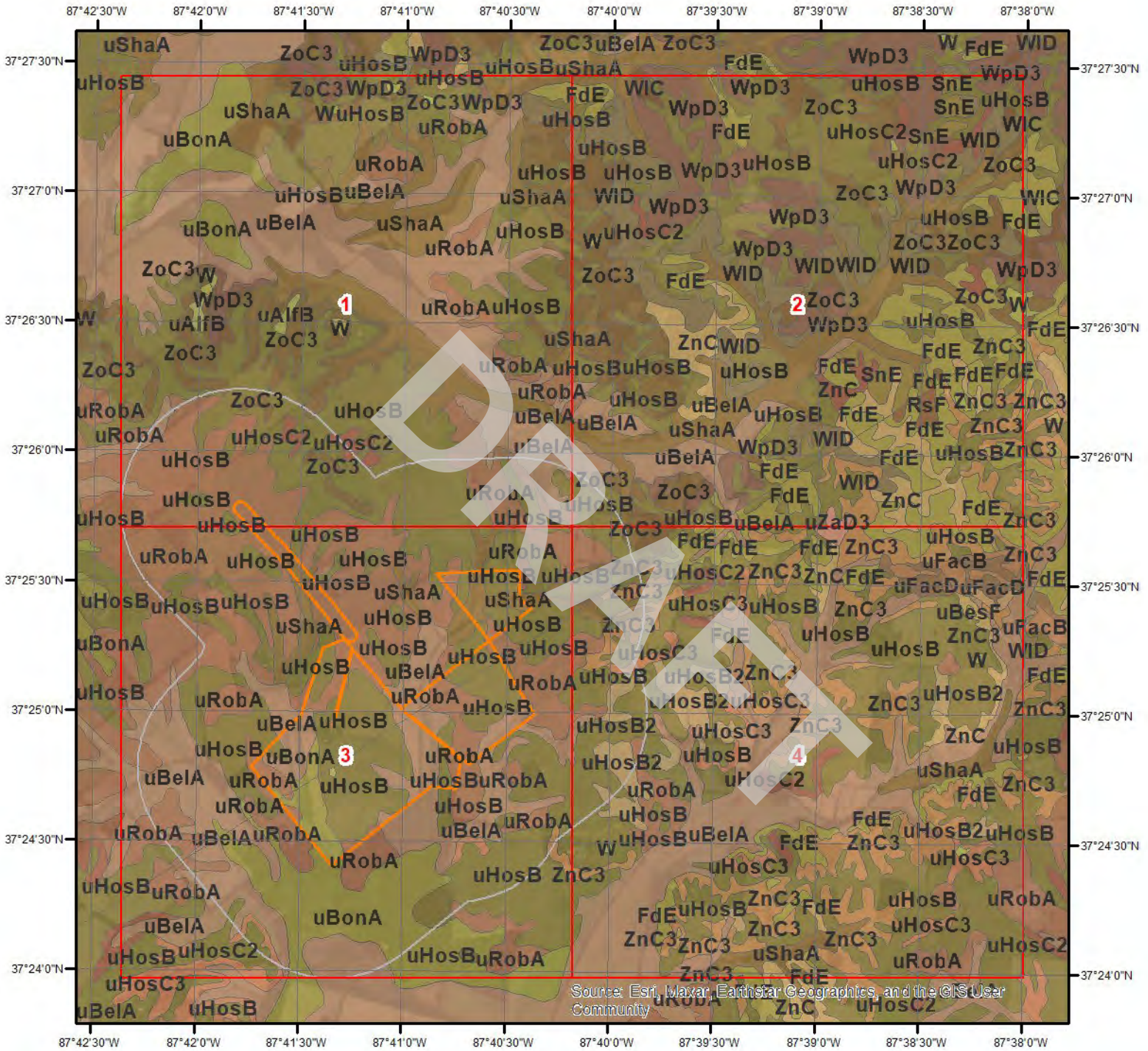
Geologic Unit PAs

Unit Name:	Sturgis Formation
Unit Age:	Middle to Upper Pennsylvanian
Primary Rock Type:	siltstone
Secondary Rock Type:	sandstone
Unit Description:	Sturgis Formation

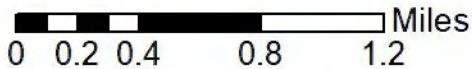
Geologic Unit PAs

Unit Name:	Sturgis Formation
Unit Age:	Middle to Upper Pennsylvanian
Primary Rock Type:	siltstone
Secondary Rock Type:	sandstone
Unit Description:	Sturgis Formation

Soil Information



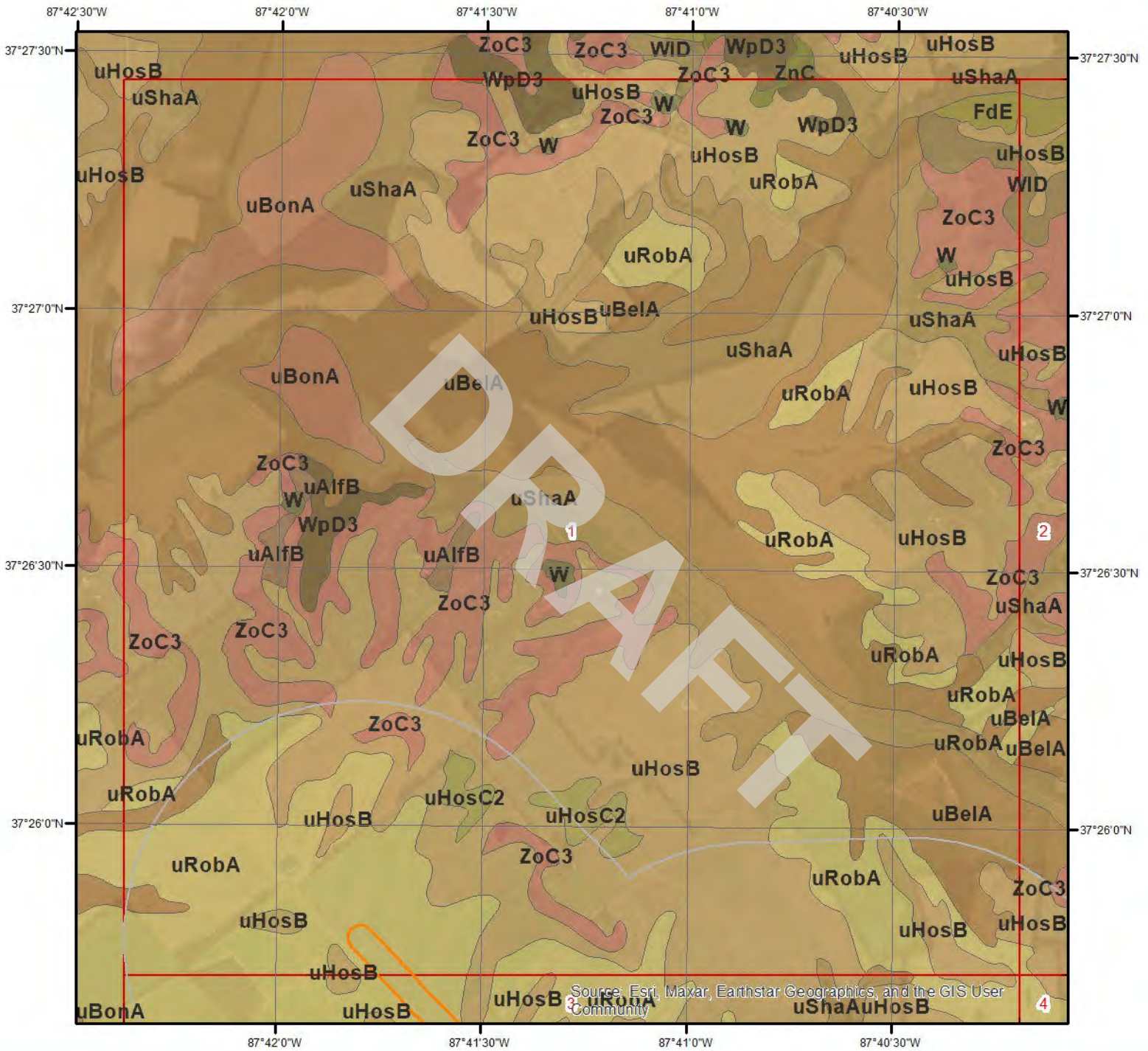
SSURGO Soils



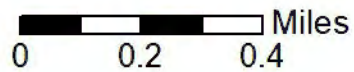
This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information



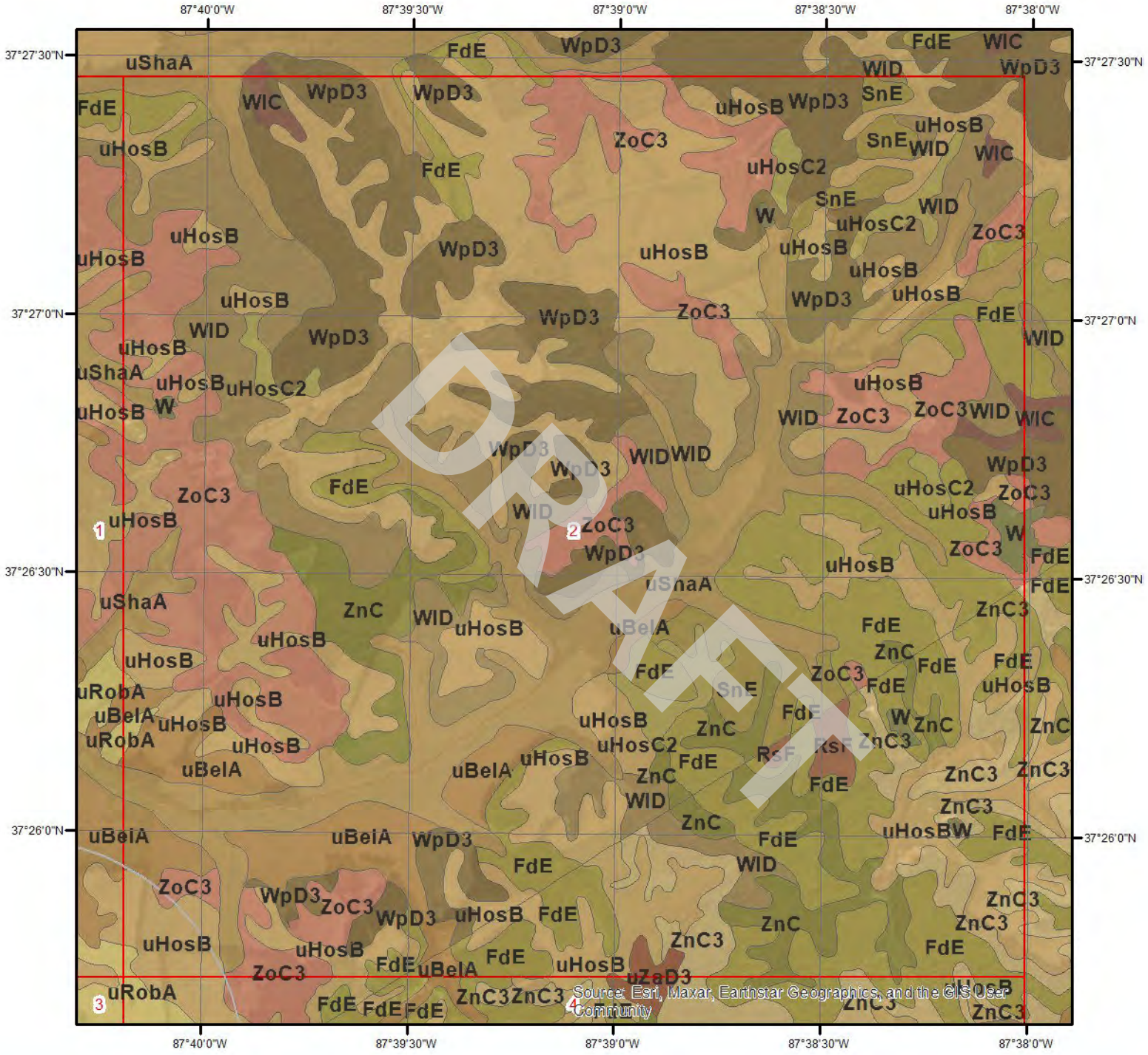
SSURGO Soils - Page 1



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information



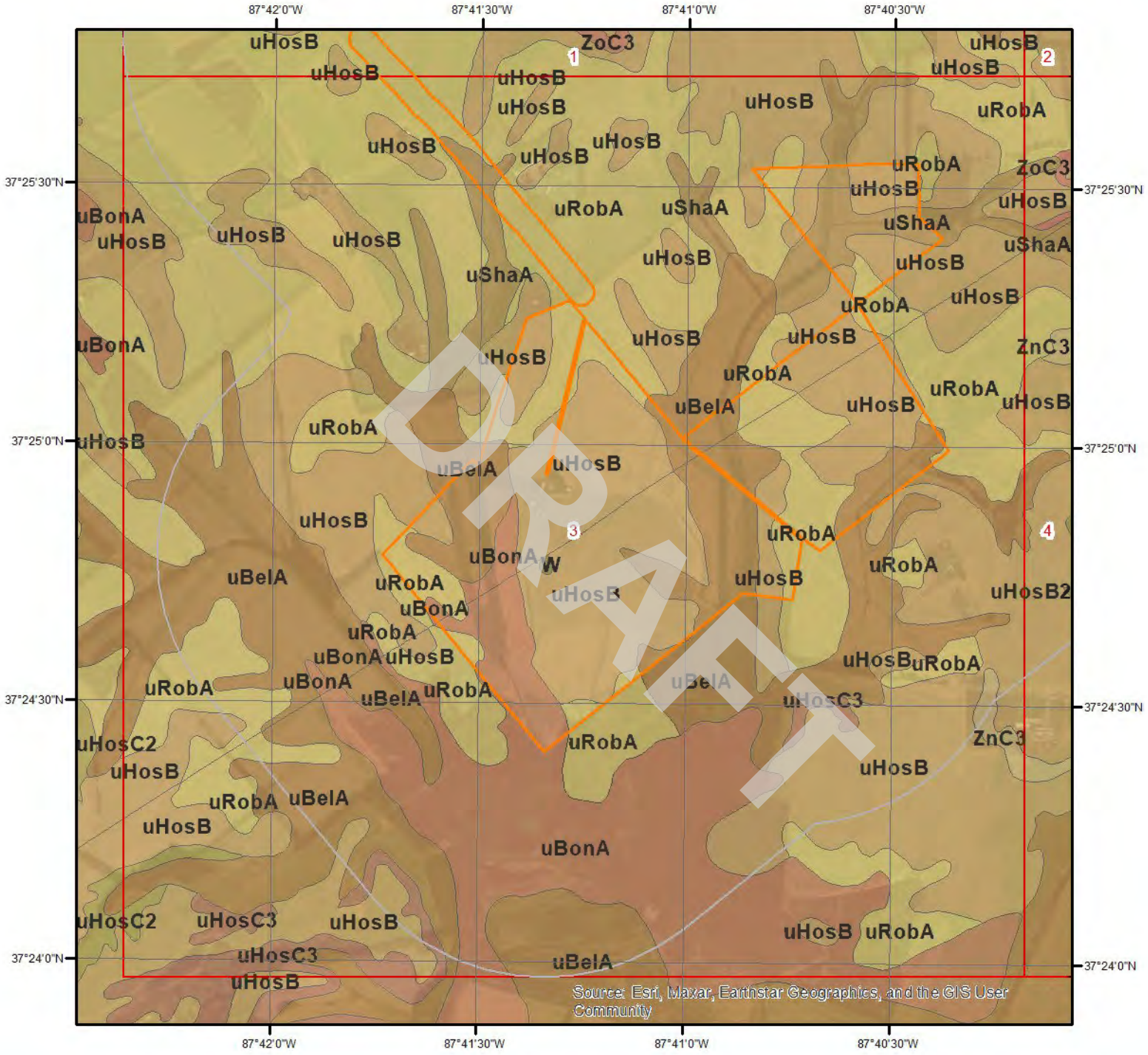
SSURGO Soils - Page 2



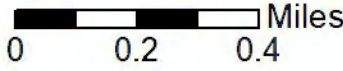
This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information



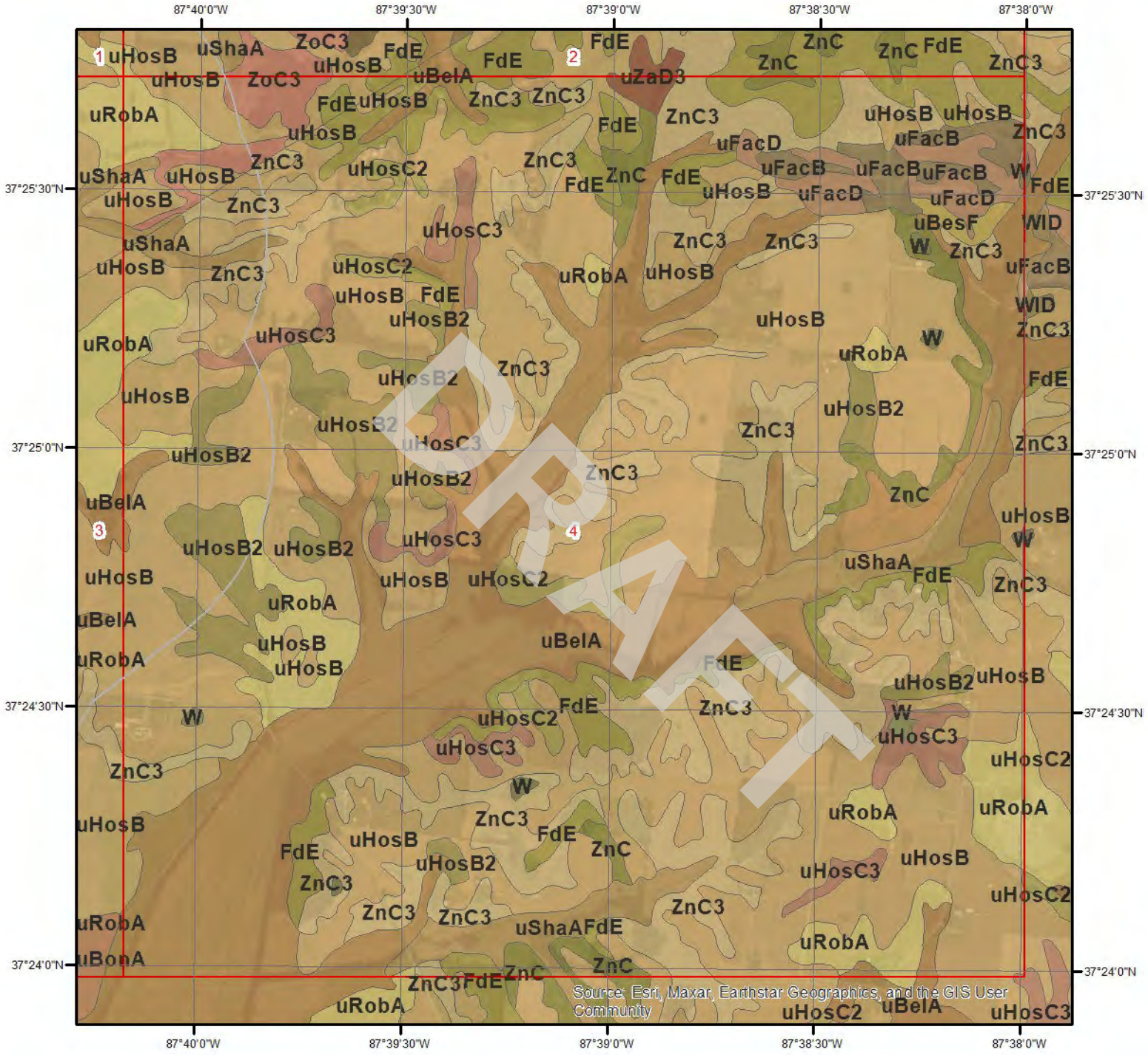
SSURGO Soils - Page 3



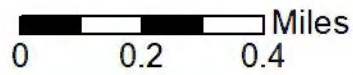
This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information



SSURGO Soils - Page 4



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit uBelA (51.16%)

Map Unit Name:	Belknap silt loam, 0 to 2 percent slopes, occasionally flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	31cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Belknap(80%)	
horizon Ap(0cm to 8cm)	Silt loam
horizon Bw(8cm to 24cm)	Silt loam
horizon Bg(24cm to 195cm)	Silt loam
horizon BCg(195cm to 255cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: uBelA - Belknap silt loam, 0 to 2 percent slopes, occasionally flooded

Component: Belknap (80%)

The Belknap, occasionally flooded component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on river valleys. The parent material consists of acid coarse-silty alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Wakeland (6%)

Generated brief soil descriptions are created for major soil components. The Wakeland, occasionally flooded soil is a minor component.

Component: Sharon (4%)

Generated brief soil descriptions are created for major soil components. The Sharon, occasionally flooded soil is a minor component.

Component: Stendal (4%)

Generated brief soil descriptions are created for major soil components. The Stendal, occasionally flooded soil is a minor component.

Component: Bonnie (4%)

Generated brief soil descriptions are created for major soil components. The Bonnie, occasionally flooded soil is a minor component.

Component: Belknap (2%)

Generated brief soil descriptions are created for major soil components. The Belknap, frequently (hydric) soil is a minor component.

Map Unit uBonA (7.54%)

Map Unit Name:	Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	0cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high

Soil Information

runoff potential when undrained.

Major components are printed below

Bonnie(80%)

horizon Ap(0cm to 20cm)	Silt loam
horizon Bg(20cm to 97cm)	Silt loam
horizon Cg(97cm to 203cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: uBonA - Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded

Component: Bonnie (80%)

The Bonnie, occasionally flooded component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on river valleys. The parent material consists of acid fine-silty alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 0 inches during January, February, March. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3w. This soil meets hydric criteria.

Component: Belknap (9%)

Generated brief soil descriptions are created for major soil components. The Belknap, occasionally flooded soil is a minor component.

Component: Melvin (8%)

Generated brief soil descriptions are created for major soil components. The Melvin, occasionally flooded soil is a minor component.

Component: Piopolis (3%)

Generated brief soil descriptions are created for major soil components. The Piopolis, occasionally flooded soil is a minor component.

Map Unit uHosB (21.73%)

Map Unit Name:	Hosmer silt loam, 2 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	54cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Hosmer(85%)

horizon Ap(0cm to 23cm)	Silt loam
horizon Bt(23cm to 64cm)	Silt loam
horizon Btx(64cm to 203cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: uHosB - Hosmer silt loam, 2 to 6 percent slopes

Component: Hosmer (85%)

The Hosmer component makes up 85 percent of the map unit. Slopes are 2 to 6 percent. This component is on ridges on uplands. The parent material consists of thick fine-silty noncalcareous loess. Depth to a root restrictive layer, fragipan, is 20 to 39 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Alford (5%)

Generated brief soil descriptions are created for major soil components. The Alford soil is a minor component.

Soil Information

Component: Zanesville (4%)

Generated brief soil descriptions are created for major soil components. The Zanesville soil is a minor component.

Component: Robbs (4%)

Generated brief soil descriptions are created for major soil components. The Robbs soil is a minor component.

Component: Sadler (2%)

Generated brief soil descriptions are created for major soil components. The Sadler soil is a minor component.

Map Unit uHosB2 (0.43%)

Map Unit Name:	Hosmer silt loam, 2 to 6 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	75cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Hosmer(90%)	
horizon Ap(0cm to 15cm)	Silt loam
horizon Bt(15cm to 85cm)	Silt loam
horizon Btx(85cm to 203cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: uHosB2 - Hosmer silt loam, 2 to 6 percent slopes, eroded

Component: Hosmer (90%)

The Hosmer, eroded component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on ridges on uplands. The parent material consists of thick fine-silty noncalcareous loess. Depth to a root restrictive layer, fragipan, is 24 to 39 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Zanesville (4%)

Generated brief soil descriptions are created for major soil components. The Zanesville soil is a minor component.

Component: Alford (4%)

Generated brief soil descriptions are created for major soil components. The Alford soil is a minor component.

Component: Wellston (2%)

Generated brief soil descriptions are created for major soil components. The Wellston soil is a minor component.

Map Unit uHosC2 (0.2%)

Map Unit Name:	Hosmer silt loam, 6 to 12 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	54cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.
Major components are printed below	
Hosmer(85%)	
horizon Ap(0cm to 15cm)	Silt loam

Soil Information

horizon Bt(15cm to 56cm)	Silt loam
horizon Btx(56cm to 203cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: uHosC2 - Hosmer silt loam, 6 to 12 percent slopes, eroded

Component: Hosmer (85%)

The Hosmer, eroded component makes up 85 percent of the map unit. Slopes are 6 to 12 percent. This component is on loess hills on uplands. The parent material consists of thick fine-silty noncalcareous loess. Depth to a root restrictive layer, fragipan, is 17 to 36 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Alford (8%)

Generated brief soil descriptions are created for major soil components. The Alford, eroded soil is a minor component.

Component: Zanesville (7%)

Generated brief soil descriptions are created for major soil components. The Zanesville, eroded soil is a minor component.

Map Unit uHosC3 (1.09%)

Map Unit Name:	Hosmer silt loam, 6 to 12 percent slopes, severely eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	54cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Hosmer(85%)

horizon Ap(0cm to 10cm)	Silt loam
horizon Bt(10cm to 51cm)	Silt loam
horizon Btx(51cm to 175cm)	Silt loam
horizon 2BC(175cm to 203cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: uHosC3 - Hosmer silt loam, 6 to 12 percent slopes, severely eroded

Component: Hosmer (85%)

The Hosmer, severely eroded component makes up 85 percent of the map unit. Slopes are 6 to 12 percent. This component is on loess hills on uplands. The parent material consists of thick fine-silty noncalcareous loess. Depth to a root restrictive layer, fragipan, is 16 to 35 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 21 inches during January, February, March, April. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Alford (8%)

Generated brief soil descriptions are created for major soil components. The Alford, severely eroded soil is a minor component.

Component: Zanesville (7%)

Generated brief soil descriptions are created for major soil components. The Zanesville, severely eroded soil is a minor component.

Map Unit uRobA (14.47%)

Soil Information

Map Unit Name:	Robbs silt loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	30cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Robbs(85%)	
horizon Ap(0cm to 20cm)	Silt loam
horizon Bt(20cm to 56cm)	Silt loam
horizon Btx(56cm to 203cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: uRobA - Robbs silt loam, 0 to 2 percent slopes

Component: Robbs (85%)

The Robbs component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on broad flat ridges on uplands. The parent material consists of thick fine-silty noncalcareous loess. Depth to a root restrictive layer, fragipan, is 20 to 39 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Hosmer (10%)

Generated brief soil descriptions are created for major soil components. The Hosmer soil is a minor component.

Component: Sadler (3%)

Generated brief soil descriptions are created for major soil components. The Sadler, eroded soil is a minor component.

Component: Weir (2%)

Generated brief soil descriptions are created for major soil components. The Weir soil is a minor component.

Map Unit uShaA (1.03%)

Map Unit Name:	Sharon silt loam, 0 to 2 percent slopes, occasionally flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Sharon(80%)	
horizon Ap(0cm to 18cm)	Silt loam
horizon Bw(18cm to 203cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: uShaA - Sharon silt loam, 0 to 2 percent slopes, occasionally flooded

Component: Sharon (80%)

The Sharon, occasionally flooded component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on river valleys. The parent material consists of acid coarse-silty alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high.

Soil Information

Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Belknap (5%)

Generated brief soil descriptions are created for major soil components. The Belknap soil is a minor component.

Component: Blackford (5%)

Generated brief soil descriptions are created for major soil components. The Blackford soil is a minor component.

Component: Wilbur (5%)

Generated brief soil descriptions are created for major soil components. The Wilbur soil is a minor component.

Component: Pope (3%)

Generated brief soil descriptions are created for major soil components. The Pope soil is a minor component.

Component: Bonnie (2%)

Generated brief soil descriptions are created for major soil components. The Bonnie soil is a minor component.

Map Unit W (0.01%)

Map Unit Name:

Water

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: W - Water

Component: Water (100%)

Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Map Unit ZnC3 (0.48%)

Map Unit Name:

Zanesville silt loam, 6 to 12 percent slopes, severely eroded

Bedrock Depth - Min:

142cm

Watertable Depth - Annual Min:

52cm

Drainage Class - Dominant:

Moderately well drained

Hydrologic Group - Dominant:

C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Zanesville(85%)

horizon Ap(0cm to 10cm)

Silt loam

horizon Bt(10cm to 59cm)

Silt loam

horizon Btx(59cm to 87cm)

Silty clay loam

horizon 2C(87cm to 142cm)

Clay loam

horizon R(142cm to 167cm)

Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: ZnC3 - Zanesville silt loam, 6 to 12 percent slopes, severely eroded

Component: Zanesville (85%)

The Zanesville, severely eroded component makes up 85 percent of the map unit. Slopes are 6 to 12 percent. This component is on ridges on uplands. The parent material consists of thin fine-silty noncalcareous loess over loamy residuum weathered from sandstone

Soil Information

and siltstone. Depth to a root restrictive layer, fragipan, is 20 to 28 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, May, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Hosmer (5%)

Generated brief soil descriptions are created for major soil components. The Hosmer, severely eroded soil is a minor component.

Component: Wellston (5%)

Generated brief soil descriptions are created for major soil components. The Wellston, severely eroded soil is a minor component.

Component: Sadler (5%)

Generated brief soil descriptions are created for major soil components. The Sadler, eroded soil is a minor component.

Map Unit ZoC3 (1.88%)

Map Unit Name:	Zanesville silt loam, 6 to 12 percent slopes, severely eroded
Bedrock Depth - Min:	142cm
Watertable Depth - Annual Min:	52cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Zanesville(85%)

horizon Ap(0cm to 10cm)	Silt loam
horizon Bt(10cm to 59cm)	Silt loam
horizon Btx(59cm to 87cm)	Silty clay loam
horizon 2C(87cm to 142cm)	Clay loam
horizon R(142cm to 167cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: ZoC3 - Zanesville silt loam, 6 to 12 percent slopes, severely eroded

Component: Zanesville (85%)

The Zanesville, severely eroded component makes up 85 percent of the map unit. Slopes are 6 to 12 percent. This component is on ridges on uplands. The parent material consists of thin fine-silty noncalcareous loess over loamy residuum weathered from sandstone and siltstone. Depth to a root restrictive layer, fragipan, is 20 to 28 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, May, December. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Hosmer (5%)

Generated brief soil descriptions are created for major soil components. The Hosmer, severely eroded soil is a minor component.

Component: Wellston (5%)

Generated brief soil descriptions are created for major soil components. The Wellston, severely eroded soil is a minor component.

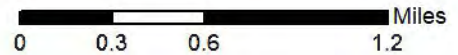
Component: Sadler (5%)

Generated brief soil descriptions are created for major soil components. The Sadler, eroded soil is a minor component.

Wells and Additional Sources



Wells & Additional Sources



- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



Wells & Additional Sources - Page 1



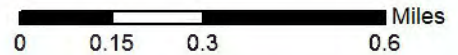
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



Wells & Additional Sources - Page 2



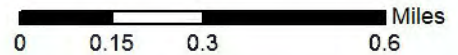
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



Wells & Additional Sources - Page 3



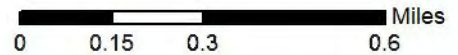
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



Wells & Additional Sources - Page 4



- | | |
|--|--|
| <ul style="list-style-type: none"> ▲ Sites with Higher Elevation ■ Sites with Same Elevation ▼ Sites with Lower Elevation ○ Sites with Unknown Elevation | <ul style="list-style-type: none"> ▲ OGW Sites with Higher Elevation ■ OGW Sites with Same Elevation ▼ OGW Sites with Lower Elevation ● OGW Sites with Unknown Elevation |
|--|--|



Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
No records found			

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
No records found			

USGS National Water Information System

Map Key	Site No	Distance (ft)	Direction
3	USGS-372535087414101	290.48	NW
10	USGS-372448087394101	3487.34	E
49	USGS-372607087394301	4938.28	NE
61	USGS-372607087424001	4544.93	NW
70	USGS-372626087423001	5087.85	NW

State Sources

Kentucky Groundwater Data Repository

Map Key	AKGWA No	Distance (ft)	Direction
1	60003781	0.00	-
6	30003053	481.86	NW
11	80066909	4485.16	WNW
12	80066910	4490.82	WNW
16	00003784	4259.19	SSW
59	00005699	4849.87	NW

Oil and Gas Wells

Map Key	API	Distance (ft)	Direction
2	16233003500000	319.92	NNE
4	16233013560000	429.48	NE
5	16233003490000	883.48	NE
7		94.94	NNW
8		2162.88	NNW
9	16233017150000	2820.56	NNE
13		2685.12	NNW
13		2685.12	NNW
13	16233005780000	2685.12	NNW
14	16107014280000	4909.65	ESE
15		3380.81	N
17		2497.18	NNW
18	16233003710000	2763.55	NW
19	16233019990000	4323.55	N
20		3259.08	NNW

Wells and Additional Sources Summary

21	16233013640000	4932.87	WSW
22	16233017930000	3718.30	WNW
23	16233020020000	2100.92	NW
24	16233014190000	2743.92	NNW
25		4258.92	NNE
26	16233011240000	3474.38	WNW
27	16233017920000	2464.51	NW
28	16233021690000	2824.86	NNW
29	16233001700000	2986.50	NNW
30	16233011270000	3488.63	NW
31	16233007200000	3908.99	WNW
32	16233003230000	5025.64	WNW
33	16233013280000	4002.49	N
34	16233019980000	2661.36	NW
35	16233021810000	4685.05	WNW
36	16233013620000	3051.49	NNW
37		4954.70	N
38	16233003350000	3779.81	NNW
39	16233003270000	4886.52	WNW
40	16233011260000	3701.20	NW
41	16233026690000	5048.19	N
42	16233003380000	3523.19	NNW
43	16233003340000	4274.45	NNW
44	16233003050000	4595.11	WNW
45	16233017180000	4304.35	NNW
46	16233007190000	4198.20	NW
47	16233009030000	4315.71	NNW
48		3322.66	NW
50	16233025160000	4938.60	WNW
51	16233013630000	3657.71	NNW
52		3597.69	NNW
53	16233002160000	4899.74	N
54	16233021640000	5073.25	WNW
55	16233003390000	4126.93	NNW
56	16233020000000	3901.25	NNW
57		4425.20	NNW
58	16233003040000	4978.09	WNW
60	16233003020000	4181.79	NNW
62	16233007160000	4412.41	NW
63		5250.03	NNW
64	16233014620000	4993.99	NW
65	16233010500000	4488.89	NW
66	16233012120000	5193.26	NNW
67	16233016830000	4888.02	NNW
68	16233002990000	4876.69	NW
69		5071.07	NW
69		5071.07	NW
71	16233024450000	5116.71	NW

Public Water Supply Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Wells and Additional Sources Detail Report

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	NW	0.06	290.48	390.99	FED USGS

Site No: USGS-372535087414101
 Site Type: Well
 Formation Type:
 Date Drilled:
 Well Depth: 80.0
 Well Depth Unit: ft
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS Kentucky Water Science Center
 Station Name: H9A0038
 Latitude: 37.42643349000000
 Longitude: -87.6947317000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	E	0.66	3,487.34	398.94	FED USGS

Site No: USGS-372448087394101
 Site Type: Well
 Formation Type:
 Date Drilled:
 Well Depth:
 Well Depth Unit:
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS Kentucky Water Science Center
 Station Name: H9A0013
 Latitude: 37.41337806000000
 Longitude: -87.6613966000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	NE	0.94	4,938.28	416.95	FED USGS

Site No: USGS-372607087394301
 Site Type: Well
 Formation Type:
 Date Drilled:
 Well Depth: 20.0
 Well Depth Unit: ft
 Well Hole Depth:

Wells and Additional Sources Detail Report

Well Hole Depth Unit:
 Reporting Agency: USGS Kentucky Water Science Center
 Station Name: H9A0047
 Latitude: 37.43532237000000
 Longitude: -87.6619525000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NW	0.86	4,544.93	376.99	FED USGS

Site No: USGS-372607087424001
 Site Type: Well
 Formation Type:
 Date Drilled:
 Well Depth: 95.0
 Well Depth Unit: ft
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS Kentucky Water Science Center
 Station Name: H9A0027
 Latitude: 37.43532229000000
 Longitude: -87.7111214000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	NW	0.96	5,087.85	402.97	FED USGS

Site No: USGS-372626087423001
 Site Type: Well
 Formation Type:
 Date Drilled: 19660101
 Well Depth: 125
 Well Depth Unit: ft
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS Kentucky Water Science Center
 Station Name: H9A0026
 Latitude: 37.44060000000000
 Longitude: -87.7083436000000

Kentucky Groundwater Data Repository

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	379.87	WATER WELLS

AKGWA No: 60003781 Quad Name: Nebo
 ALT ID: County: Webster
 Type: W Latitude: 37.415

Wells and Additional Sources Detail Report

Physiograph Region: Longitude: -87.683889
 Surface Elevation:
 Usage: Domestic - Single Household
 Lat Long Method:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NW	0.09	481.86	393.24	WATER WELLS

AKGWA No: 30003053 Quad Name: Nebo
 ALT ID: County: Webster
 Type: W Latitude: 37.427044
 Physiograph Region: Western Coal Field Longitude: -87.696411
 Surface Elevation:
 Usage: Domestic - Single Household
 Lat Long Method: UNKN

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	WNW	0.85	4,485.16	370.06	WATER WELLS

AKGWA No: 80066909 Quad Name: Nebo
 ALT ID: MW-04 County: Webster
 Type: M Latitude: 37.420412
 Physiograph Region: W. Coal Field Longitude: -87.708007
 Surface Elevation: 369.5
 Usage: Mining
 Lat Long Method: GIS Generated - Aerial Photograph (DOQ)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	WNW	0.85	4,490.82	370.06	WATER WELLS

AKGWA No: 80066910 Quad Name: Nebo
 ALT ID: MW-05 County: Webster
 Type: M Latitude: 37.420436
 Physiograph Region: W. Coal Field Longitude: -87.708009
 Surface Elevation:
 Usage: Mining
 Lat Long Method: GIS Generated - Aerial Photograph (DOQ)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SSW	0.81	4,259.19	374.11	WATER WELLS

AKGWA No: 00003784 Quad Name: Nebo
 ALT ID: County: Hopkins
 Type: W Latitude: 37.398333

Wells and Additional Sources Detail Report

Physiograph Region: W. Coal Field Longitude: -87.699167
 Surface Elevation: 410
 Usage: Domestic - Single Household
 Lat Long Method: Paper or Internet Map Interpolation

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	NW	0.92	4,849.87	375.06	WATER WELLS

AKGWA No: 00005699 Quad Name: Nebo
 ALT ID: County: Webster
 Type: W Latitude: 37.431667
 Physiograph Region: W. Coal Field Longitude: -87.713611
 Surface Elevation: 370
 Usage: Domestic - Single Household
 Lat Long Method: Paper or Internet Map Interpolation

Oil and Gas Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NNE	0.06	319.92	377.00	OGW

KGS Rec No: 66958 USGS Quad: NEBO
 KGS Permit: 71699 FNS: 550
 API: 16233003500000 NS: S
 ORG Well No: 1 FEW: 50
 Bore Type Code: V EW: W
 No: 22 County: WEBSTER
 ELOG: ELOG Rec Lat NAD1927: 37.418177
 Letter: L Rec Lon NAD1927: -87.683161
 Section: 21 Latitude: 37.418222
 Surface Elevation: 374.0 Longitude: -87.68317
 ORG Operator: REYNOLDS RESOURCES, INC
 ORG Farm: YOUNG ESTATE
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=66958>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	NE	0.08	429.48	411.03	OGW

KGS Rec No: 57738 USGS Quad: NEBO
 KGS Permit: 68879 FNS: 2395
 API: 16233013560000 NS: N
 ORG Well No: 1 FEW: 1920
 Bore Type Code: V EW: E
 No: 22 County: WEBSTER
 ELOG: ELOG Rec Lat NAD1927: 37.426755

Wells and Additional Sources Detail Report

Letter:	L	Rec Lon NAD1927:	-87.673277
Section:	21	Latitude:	37.4268
Surface Elevation:	408.0	Longitude:	-87.673287
ORG Operator:	REYNOLDS RESOURCES, INC		
ORG Farm:	TOWERY, JOHN HEIRS		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=57738		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NE	0.17	883.48	398.90	OGW

KGS Rec No:	65717	USGS Quad:	NEBO
KGS Permit:	71191	FNS:	3022
API:	16233003490000	NS:	N
ORG Well No:	2	FEW:	1214
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.425033
Letter:	L	Rec Lon NAD1927:	-87.670846
Section:	21	Latitude:	37.425078
Surface Elevation:	401.0	Longitude:	-87.670855
ORG Operator:	REYNOLDS RESOURCES, INC		
ORG Farm:	TOWERY, JOHN HEIRS		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=65717		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	NNW	0.02	94.94	401.01	OGW

KGS Rec No:	55812	USGS Quad:	NEBO
KGS Permit:	11076	FNS:	1100
API:		NS:	N
ORG Well No:	1	FEW:	1050
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.430312
Letter:	L	Rec Lon NAD1927:	-87.696384
Section:	22	Latitude:	37.430357
Surface Elevation:	399.0	Longitude:	-87.696394
ORG Operator:	MAIER, H PAUL		
ORG Farm:	BAKER HEIRS		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55812		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	NNW	0.41	2,162.88	441.00	OGW

Wells and Additional Sources Detail Report

KGS Rec No:	55844	USGS Quad:	NEBO
KGS Permit:	17779	FNS:	190
API:		NS:	S
ORG Well No:	1	FEW:	2100
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.433855
Letter:	L	Rec Lon NAD1927:	-87.690565
Section:	19	Latitude:	37.4339
Surface Elevation:	439.0	Longitude:	-87.690576
ORG Operator:	CLINE, WALTER		
ORG Farm:	WELDON, J H		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55844		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NNE	0.53	2,820.56	400.00	OGW

KGS Rec No:	38807	USGS Quad:	NEBO
KGS Permit:	63244	FNS:	50
API:	16233017150000	NS:	S
ORG Well No:	1	FEW:	2100
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.43347
Letter:	L	Rec Lon NAD1927:	-87.676101
Section:	20	Latitude:	37.433515
Surface Elevation:	398.0	Longitude:	-87.676109
ORG Operator:	REYNOLDS RESOURCES, INC		
ORG Farm:	CLAYTON, MARY		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=38807		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NNW	0.51	2,685.12	426.67	OGW

KGS Rec No:	115526	USGS Quad:	NEBO
KGS Permit:	15878	FNS:	900
API:		NS:	S
ORG Well No:	1	FEW:	2100
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.435805
Letter:	L	Rec Lon NAD1927:	-87.690565

Wells and Additional Sources Detail Report

Section: 19 Latitude: 37.43585
 Surface Elevation: 430.0 Longitude: -87.690576
 ORG Operator: WEBSTER COUNTY COAL
 ORG Farm: RAMSEY, W H (RAMSEY-TOWNSEND)
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=115526>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NNW	0.51	2,685.12	426.67	OGW

KGS Rec No: 55839 USGS Quad: NEBO
 KGS Permit: 15878 FNS: 900
 API: NS: S
 ORG Well No: 1 FEW: 2100
 Bore Type Code: V EW: E
 No: 22 County: WEBSTER
 ELOG: Rec Lat NAD1927: 37.435805
 Letter: L Rec Lon NAD1927: -87.690565
 Section: 19 Latitude: 37.43585
 Surface Elevation: 430.0 Longitude: -87.690576
 ORG Operator: HOFFMAN, GEORGE A
 ORG Farm: RAMSEY-TOWNSEND COMM
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55839>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	NNW	0.51	2,685.12	426.67	OGW

KGS Rec No: 55866 USGS Quad: NEBO
 KGS Permit: 15552 FNS: 900
 API: 16233005780000 NS: S
 ORG Well No: 1 FEW: 2100
 Bore Type Code: V EW: E
 No: 22 County: WEBSTER
 ELOG: ELOG Rec Lat NAD1927: 37.435805
 Letter: L Rec Lon NAD1927: -87.690565
 Section: 19 Latitude: 37.43585
 Surface Elevation: 430.0 Longitude: -87.690576
 ORG Operator: SCHUCKER, RUSSELL
 ORG Farm: RAMSEY, W H
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55866>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ESE	0.93	4,909.65	380.00	OGW

Wells and Additional Sources Detail Report

KGS Rec No:	56056	USGS Quad:	NEBO
KGS Permit:	13793	FNS:	2050
API:	16107014280000	NS:	S
ORG Well No:	1	FEW:	1150
Bore Type Code:	V	EW:	W
No:	23	County:	HOPKINS
ELOG:	ELOG	Rec Lat NAD1927:	37.405629
Letter:	K	Rec Lon NAD1927:	-87.662708
Section:	5	Latitude:	37.405675
Surface Elevation:	380.0	Longitude:	-87.662715
ORG Operator:	MAIER, H PAUL		
ORG Farm:	TOWNSEND, GRACE		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=56056		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	N	0.64	3,380.81	421.05	OGW

KGS Rec No:	55835	USGS Quad:	NEBO
KGS Permit:	15900	FNS:	1350
API:		NS:	S
ORG Well No:	2	FEW:	1550
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.43704
Letter:	L	Rec Lon NAD1927:	-87.688671
Section:	19	Latitude:	37.437085
Surface Elevation:	425.0	Longitude:	-87.688681
ORG Operator:	HOFFMAN, GEORGE A		
ORG Farm:	RAMSEY-TOWNSEND COMM		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55835		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	NNW	0.47	2,497.18	439.05	OGW

KGS Rec No:	55814	USGS Quad:	NEBO
KGS Permit:	16575	FNS:	1150
API:		NS:	S
ORG Well No:	1	FEW:	1900
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.436491
Letter:	L	Rec Lon NAD1927:	-87.693456
Section:	19	Latitude:	37.436536

Wells and Additional Sources Detail Report

Surface Elevation: 437.0 Longitude: -87.693466
 ORG Operator: MAIER, H PAUL
 ORG Farm: RICE, THAN G
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55814>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NW	0.52	2,763.55	380.00	OGW

KGS Rec No:	55862	USGS Quad:	NEBO
KGS Permit:	21193	FNS:	1635
API:	16233003710000	NS:	N
ORG Well No:	3	FEW:	1900
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.428843
Letter:	L	Rec Lon NAD1927:	-87.706541
Section:	23	Latitude:	37.428888
Surface Elevation:	380.0	Longitude:	-87.706553
ORG Operator:	TEMPLE DRILLING CO, INC		
ORG Farm:	FOXWELL HEIRS		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55862		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	N	0.82	4,323.55	402.88	OGW

KGS Rec No:	18063	USGS Quad:	NEBO
KGS Permit:	16689	FNS:	1800
API:	16233019990000	NS:	S
ORG Well No:	2	FEW:	650
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.438276
Letter:	L	Rec Lon NAD1927:	-87.685571
Section:	19	Latitude:	37.438321
Surface Elevation:	441.0	Longitude:	-87.685581
ORG Operator:	PRUITT, A B		
ORG Farm:	PINKSTON, A E		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=18063		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NNW	0.62	3,259.08	419.78	OGW

Wells and Additional Sources Detail Report

KGS Rec No:	55838	USGS Quad:	NEBO
KGS Permit:	16141	FNS:	1650
API:		NS:	S
ORG Well No:	2	FEW:	2200
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.437864
Letter:	L	Rec Lon NAD1927:	-87.690909
Section:	19	Latitude:	37.437909
Surface Elevation:	426.0	Longitude:	-87.69092
ORG Operator:	HOFFMAN, GEORGE A		
ORG Farm:	CLAYTON, RAYMOND		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55838		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	WSW	0.93	4,932.87	399.91	OGW

KGS Rec No:	60602	USGS Quad:	NEBO
KGS Permit:	69851	FNS:	1340
API:	16233013640000	NS:	S
ORG Well No:	17328	FEW:	2300
Bore Type Code:	V	EW:	E
No:	22	County:	HOPKINS
ELOG:	ELOG	Rec Lat NAD1927:	37.40368
Letter:	K	Rec Lon NAD1927:	-87.707917
Section:	3	Latitude:	37.403725
Surface Elevation:	414.0	Longitude:	-87.707928
ORG Operator:	TEXAS GAS TRANSMISSION CORP		
ORG Farm:	GIBSON, SHIRLEY		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=60602		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	WNW	0.70	3,718.30	376.81	OGW

KGS Rec No:	55863	USGS Quad:	NEBO
KGS Permit:	21094	FNS:	2400
API:	16233017930000	NS:	N
ORG Well No:	2	FEW:	2120
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.426742
Letter:	L	Rec Lon NAD1927:	-87.709367
Section:	23	Latitude:	37.426787
Surface Elevation:	375.0	Longitude:	-87.709377

Wells and Additional Sources Detail Report

ORG Operator: TEMPLE DRILLING CO, INC
 ORG Farm: FOXWELL HEIRS
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55863>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	NW	0.40	2,100.92	390.12	OGW

KGS Rec No:	55694	USGS Quad:	NEBO
KGS Permit:	28264	FNS:	0
API:	16233020020000	NS:	N
ORG Well No:	2A	FEW:	810
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.433333
Letter:	L	Rec Lon NAD1927:	-87.702788
Section:	23	Latitude:	37.433378
Surface Elevation:	390.0	Longitude:	-87.702799
ORG Operator:	ROSSI, PAUL		
ORG Farm:	FOXWELL HEIRS		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55694		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	NNW	0.52	2,743.92	434.94	OGW

KGS Rec No:	86124	USGS Quad:	NEBO
KGS Permit:	76552	FNS:	1504
API:	16233014190000	NS:	S
ORG Well No:	1	FEW:	1542
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.437463
Letter:	L	Rec Lon NAD1927:	-87.694689
Section:	19	Latitude:	37.437508
Surface Elevation:	441.0	Longitude:	-87.694699
ORG Operator:	KELLOUS OIL, INC		
ORG Farm:	RICE, THAN		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=86124		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	NNE	0.81	4,258.92	397.14	OGW

KGS Rec No:	55867	USGS Quad:	NEBO
-------------	-------	------------	------

Wells and Additional Sources Detail Report

KGS Permit:	10332	FNS:	1500
API:		NS:	S
ORG Well No:	1	FEW:	2200
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.437452
Letter:	L	Rec Lon NAD1927:	-87.674243
Section:	20	Latitude:	37.437497
Surface Elevation:	396.0	Longitude:	-87.674253
ORG Operator:	SKILES OIL & MT CARMEL DRILLING		
ORG Farm:	HUGHES, MARY D		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55867		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	WNW	0.66	3,474.38	378.09	OGW

KGS Rec No:	55813	USGS Quad:	NEBO
KGS Permit:	14580	FNS:	1850
API:	16233011240000	NS:	N
ORG Well No:	1	FEW:	2250
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.428252
Letter:	L	Rec Lon NAD1927:	-87.708919
Section:	23	Latitude:	37.428297
Surface Elevation:	373.0	Longitude:	-87.708929
ORG Operator:	MAIER, H PAUL		
ORG Farm:	FOXWELL HEIRS		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55813		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NW	0.47	2,464.51	381.88	OGW

KGS Rec No:	18067	USGS Quad:	NEBO
KGS Permit:	28191	FNS:	300
API:	16233017920000	NS:	N
ORG Well No:	1A	FEW:	1400
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.432509
Letter:	L	Rec Lon NAD1927:	-87.70482
Section:	23	Latitude:	37.432554
Surface Elevation:	388.0	Longitude:	-87.704831
ORG Operator:	ROSSI, PAUL		

Wells and Additional Sources Detail Report

ORG Farm: FOXWELL HEIRS
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=18067>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	NNW	0.54	2,824.86	443.00	OGW

KGS Rec No:	59698	USGS Quad:	NEBO
KGS Permit:	69580	FNS:	4445
API:	16233021690000	NS:	N
ORG Well No:	1	FEW:	1265
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.437792
Letter:	L	Rec Lon NAD1927:	-87.695643
Section:	19	Latitude:	37.437837
Surface Elevation:	439.0	Longitude:	-87.695653
ORG Operator:	QUISENBERRY, GENE		
ORG Farm:	TOWNSEND, C		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=59698		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NNW	0.57	2,986.50	437.61	OGW

KGS Rec No:	82416	USGS Quad:	NEBO
KGS Permit:	75578	FNS:	1746
API:	16233001700000	NS:	S
ORG Well No:	1	FEW:	1567
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.438128
Letter:	L	Rec Lon NAD1927:	-87.694603
Section:	19	Latitude:	37.438173
Surface Elevation:	442.0	Longitude:	-87.694613
ORG Operator:	KELLOUS OIL, INC		
ORG Farm:	RICE, THAN		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=82416		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NW	0.66	3,488.63	380.00	OGW

KGS Rec No:	55811	USGS Quad:	NEBO
KGS Permit:	13963	FNS:	1350

Wells and Additional Sources Detail Report

API:	16233011270000	NS:	N
ORG Well No:	2	FEW:	2200
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.429625
Letter:	L	Rec Lon NAD1927:	-87.709091
Section:	23	Latitude:	37.42967
Surface Elevation:	379.0	Longitude:	-87.709101
ORG Operator:	MAIER, H PAUL		
ORG Farm:	YOUNG, ANNA B ET AL		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55811		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	WNW	0.74	3,908.99	381.00	OGW

KGS Rec No:	55842	USGS Quad:	NEBO
KGS Permit:	14474	FNS:	1750
API:	16233007200000	NS:	N
ORG Well No:	2	FEW:	1800
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.428527
Letter:	L	Rec Lon NAD1927:	-87.710469
Section:	23	Latitude:	37.428572
Surface Elevation:	376.0	Longitude:	-87.710479
ORG Operator:	LOHMANN & JOHNSON DRILLING CO		
ORG Farm:	HURLEY, OLIVER		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55842		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	WNW	0.95	5,025.64	370.00	OGW

KGS Rec No:	55726	USGS Quad:	NEBO
KGS Permit:	23632	FNS:	2790
API:	16233003230000	NS:	S
ORG Well No:	2	FEW:	1040
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.424328
Letter:	L	Rec Lon NAD1927:	-87.713085
Section:	23	Latitude:	37.424374
Surface Elevation:	370.0	Longitude:	-87.713096
ORG Operator:	REYNOLDS & VINCENT, INC		
ORG Farm:	HOFFMAN, GEORGE A & O VAUGHN		

Wells and Additional Sources Detail Report

Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55726>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	N	0.76	4,002.49	428.37	OGW

KGS Rec No: 49860 USGS Quad: NEBO
 KGS Permit: 66988 FNS: 3660
 API: 16233013280000 NS: N
 ORG Well No: 3 FEW: 2050
 Bore Type Code: V EW: E
 No: 22 County: WEBSTER
 ELOG: ELOG Rec Lat NAD1927: 37.439948
 Letter: L Rec Lon NAD1927: -87.690393
 Section: 19 Latitude: 37.439993
 Surface Elevation: 424.0 Longitude: -87.690403
 ORG Operator: QUISENBERRY, GENE
 ORG Farm: CLAYTON, RAYMOND
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=49860>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	NW	0.50	2,661.36	400.20	OGW

KGS Rec No: 55868 USGS Quad: NEBO
 KGS Permit: 16400 FNS: 900
 API: 16233019980000 NS: S
 ORG Well No: 1 FEW: 700
 Bore Type Code: V EW: E
 No: 22 County: WEBSTER
 ELOG: Rec Lat NAD1927: 37.435805
 Letter: L Rec Lon NAD1927: -87.70241
 Section: 18 Latitude: 37.43585
 Surface Elevation: 399.0 Longitude: -87.702421
 ORG Operator: PRUITT, A B
 ORG Farm: PINKSTON, A E
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55868>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	WNW	0.89	4,685.05	370.00	OGW

KGS Rec No: 18069 USGS Quad: NEBO
 KGS Permit: 14533 FNS: 2700
 API: 16233021810000 NS: N

Wells and Additional Sources Detail Report

ORG Well No:	3	FEW:	1200
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.425918
Letter:	L	Rec Lon NAD1927:	-87.712534
Section:	23	Latitude:	37.425963
Surface Elevation:	368.0	Longitude:	-87.712545
ORG Operator:	KENNARD OIL CO, INC		
ORG Farm:	VAUGHN, ORVILLE		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=18069		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	NNW	0.58	3,051.49	431.22	OGW

KGS Rec No:	59337	USGS Quad:	NEBO
KGS Permit:	69454	FNS:	4255
API:	16233013620000	NS:	N
ORG Well No:	1	FEW:	440
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.438314
Letter:	L	Rec Lon NAD1927:	-87.698484
Section:	19	Latitude:	37.438359
Surface Elevation:	427.0	Longitude:	-87.698494
ORG Operator:	QUISENBERRY, GENE		
ORG Farm:	PINKSTON, A		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=59337		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	N	0.94	4,954.70	397.59	OGW

KGS Rec No:	55837	USGS Quad:	NEBO
KGS Permit:	11541	FNS:	2800
API:		NS:	S
ORG Well No:	1	FEW:	850
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.441023
Letter:	L	Rec Lon NAD1927:	-87.68626
Section:	19	Latitude:	37.441068
Surface Elevation:	405.0	Longitude:	-87.68627
ORG Operator:	HOFFMAN, GEORGE A		
ORG Farm:	CLAYTON, RAYMOND		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		

Wells and Additional Sources Detail Report

Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55837>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	NNW	0.72	3,779.81	430.19	OGW

KGS Rec No: 57376 USGS Quad: NEBO
 KGS Permit: 68617 FNS: 3570
 API: 16233003350000 NS: N
 ORG Well No: 4 FEW: 2990
 Bore Type Code: V EW: E
 No: 22 County: WEBSTER
 ELOG: ELOG Rec Lat NAD1927: 37.440195
 Letter: L Rec Lon NAD1927: -87.69363
 Section: 19 Latitude: 37.44024
 Surface Elevation: 424.0 Longitude: -87.693641
 ORG Operator: QUISENBERRY, GENE
 ORG Farm: CLAYTON, RAYMOND
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=57376>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	WNW	0.93	4,886.52	370.00	OGW

KGS Rec No: 55728 USGS Quad: NEBO
 KGS Permit: 25299 FNS: 2550
 API: 16233003270000 NS: N
 ORG Well No: 4 FEW: 950
 Bore Type Code: V EW: W
 No: 22 County: WEBSTER
 ELOG: ELOG Rec Lat NAD1927: 37.42633
 Letter: L Rec Lon NAD1927: -87.713395
 Section: 23 Latitude: 37.426375
 Surface Elevation: 370.0 Longitude: -87.713406
 ORG Operator: REYNOLDS & VINCENT, INC
 ORG Farm: HOFFMAN, GEORGE A & O VAUGHN
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55728>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	NW	0.70	3,701.20	377.00	OGW

KGS Rec No: 55810 USGS Quad: NEBO
 KGS Permit: 11575 FNS: 650
 API: 16233011260000 NS: N
 ORG Well No: 1 FEW: 2050

Wells and Additional Sources Detail Report

Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.431548
Letter:	L	Rec Lon NAD1927:	-87.709608
Section:	23	Latitude:	37.431593
Surface Elevation:	376.0	Longitude:	-87.709618
ORG Operator:	MAIER, H PAUL		
ORG Farm:	YOUNG, ANNA B ET AL		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55810		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	N	0.96	5,048.19	396.32	OGW

KGS Rec No:	141446	USGS Quad:	NEBO
KGS Permit:	108214	FNS:	2949
API:	16233026690000	NS:	S
ORG Well No:	5	FEW:	899
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.44143
Letter:	L	Rec Lon NAD1927:	-87.68643
Section:	19	Latitude:	37.441477
Surface Elevation:	399.0	Longitude:	-87.686439
ORG Operator:	KIRKWOOD EXCAVATING, INC.		
ORG Farm:	CLAYTON, RAYMOND		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=141446		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	NNW	0.67	3,523.19	437.79	OGW

KGS Rec No:	58226	USGS Quad:	NEBO
KGS Permit:	69009	FNS:	3735
API:	16233003380000	NS:	N
ORG Well No:	2	FEW:	3760
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.439742
Letter:	L	Rec Lon NAD1927:	-87.696282
Section:	19	Latitude:	37.439787
Surface Elevation:	431.0	Longitude:	-87.696293
ORG Operator:	QUISENBERRY, GENE		
ORG Farm:	BALL, D L		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=58226		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NNW	0.81	4,274.45	410.97	OGW

KGS Rec No:	57375	USGS Quad:	NEBO
KGS Permit:	68616	FNS:	3215
API:	16233003340000	NS:	N
ORG Well No:	1-TWIN	FEW:	2425
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.44117
Letter:	L	Rec Lon NAD1927:	-87.691684
Section:	19	Latitude:	37.441215
Surface Elevation:	409.0	Longitude:	-87.691695
ORG Operator:	QUISENBERRY, GENE		
ORG Farm:	CLAYTON, RAYMOND		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=57375		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	WNW	0.87	4,595.11	377.14	OGW

KGS Rec No:	55827	USGS Quad:	NEBO
KGS Permit:	26512	FNS:	1800
API:	16233003050000	NS:	N
ORG Well No:	5	FEW:	1115
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.428389
Letter:	L	Rec Lon NAD1927:	-87.712827
Section:	23	Latitude:	37.428434
Surface Elevation:	371.0	Longitude:	-87.712837
ORG Operator:	ROSSI, PAUL		
ORG Farm:	HURLEY, OLIVER		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55827		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	NNW	0.82	4,304.35	409.14	OGW

KGS Rec No:	18062	USGS Quad:	NEBO
KGS Permit:	16572	FNS:	2900
API:	16233017180000	NS:	S
ORG Well No:	3	FEW:	2370
Bore Type Code:	V	EW:	W

Wells and Additional Sources Detail Report

No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.441297
Letter:	L	Rec Lon NAD1927:	-87.691838
Section:	19	Latitude:	37.441342
Surface Elevation:	402.0	Longitude:	-87.691847
ORG Operator:	HOFFMAN, GEORGE A		
ORG Farm:	CLAYTON, RAYMOND		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=18062		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	NW	0.80	4,198.20	383.00	OGW

KGS Rec No:	55841	USGS Quad:	NEBO
KGS Permit:	12960	FNS:	1050
API:	16233007190000	NS:	N
ORG Well No:	1	FEW:	1500
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.430449
Letter:	L	Rec Lon NAD1927:	-87.711502
Section:	23	Latitude:	37.430494
Surface Elevation:	383.0	Longitude:	-87.711512
ORG Operator:	LOHMANN & JOHNSON DRILLING CO		
ORG Farm:	HURLEY, OLIVER		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55841		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	NNW	0.82	4,315.71	406.54	OGW

KGS Rec No:	47350	USGS Quad:	NEBO
KGS Permit:	65709	FNS:	3155
API:	16233009030000	NS:	N
ORG Well No:	1	FEW:	2475
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.441335
Letter:	L	Rec Lon NAD1927:	-87.691856
Section:	19	Latitude:	37.44138
Surface Elevation:	404.0	Longitude:	-87.691867
ORG Operator:	QUISENBERRY, GENE		
ORG Farm:	CLAYTON, RAYMOND		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=47350		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	NW	0.63	3,322.66	409.80	OGW

KGS Rec No:	55865	USGS Quad:	NEBO
KGS Permit:	16819	FNS:	1500
API:		NS:	S
ORG Well No:	4	FEW:	1000
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.437452
Letter:	L	Rec Lon NAD1927:	-87.703443
Section:	18	Latitude:	37.437497
Surface Elevation:	410.0	Longitude:	-87.703454
ORG Operator:	PRUITT, A B		
ORG Farm:	PINKSTON, A E		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55865		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	WNW	0.94	4,938.60	371.13	OGW

KGS Rec No:	141741	USGS Quad:	NEBO
KGS Permit:	24202	FNS:	1900
API:	16233025160000	NS:	N
ORG Well No:	3	FEW:	780
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.42812
Letter:	L	Rec Lon NAD1927:	-87.71398
Section:	23	Latitude:	37.42816
Surface Elevation:	368.0	Longitude:	-87.713991
ORG Operator:	VINCENT, REYNOLDS & ASSOCIATES		
ORG Farm:	THRELKELD, LUCILLE		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=141741		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	NNW	0.69	3,657.71	412.99	OGW

KGS Rec No:	60412	USGS Quad:	NEBO
KGS Permit:	69724	FNS:	3720
API:	16233013630000	NS:	N
ORG Well No:	2	FEW:	50
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER

Wells and Additional Sources Detail Report

ELOG:	ELOG	Rec Lat NAD1927:	37.439783
Letter:	L	Rec Lon NAD1927:	-87.699827
Section:	19	Latitude:	37.439828
Surface Elevation:	411.0	Longitude:	-87.699838
ORG Operator:	QUISENBERRY, GENE		
ORG Farm:	PINKSTON, A		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=60412		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	NNW	0.68	3,597.69	417.89	OGW

KGS Rec No:	55845	USGS Quad:	NEBO
KGS Permit:	22651	FNS:	2150
API:		NS:	S
ORG Well No:	1	FEW:	370
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.439237
Letter:	L	Rec Lon NAD1927:	-87.701274
Section:	18	Latitude:	37.439283
Surface Elevation:	410.0	Longitude:	-87.701284
ORG Operator:	CLINE, WALTER		
ORG Farm:	PINKSTON, A E		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55845		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	N	0.93	4,899.74	388.88	OGW

KGS Rec No:	49859	USGS Quad:	NEBO
KGS Permit:	66987	FNS:	2710
API:	16233002160000	NS:	N
ORG Well No:	2	FEW:	1985
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.442557
Letter:	L	Rec Lon NAD1927:	-87.690169
Section:	19	Latitude:	37.442602
Surface Elevation:	387.0	Longitude:	-87.69018
ORG Operator:	QUISENBERRY, GENE		
ORG Farm:	CLAYTON, RAYMOND		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=49859		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
---------	-----------	---------------	---------------	----------------	----

Wells and Additional Sources Detail Report

54 WNW 0.96 5,073.25 369.99 OGW

KGS Rec No:	55737	USGS Quad:	NEBO
KGS Permit:	25301	FNS:	1740
API:	16233021640000	NS:	N
ORG Well No:	3	FEW:	630
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.428554
Letter:	L	Rec Lon NAD1927:	-87.714497
Section:	23	Latitude:	37.428599
Surface Elevation:	368.0	Longitude:	-87.714508
ORG Operator:	REYNOLDS & VINCENT, INC		
ORG Farm:	THRELKELD, LUCILLE		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55737		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	NNW	0.78	4,126.93	426.19	OGW

KGS Rec No:	58367	USGS Quad:	NEBO
KGS Permit:	69067	FNS:	3135
API:	16233003390000	NS:	N
ORG Well No:	3	FEW:	4035
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.44139
Letter:	L	Rec Lon NAD1927:	-87.697229
Section:	19	Latitude:	37.441435
Surface Elevation:	428.0	Longitude:	-87.697241
ORG Operator:	QUISENBERRY, GENE		
ORG Farm:	BALL, D L		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=58367		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	NNW	0.74	3,901.25	429.51	OGW

KGS Rec No:	18064	USGS Quad:	NEBO
KGS Permit:	16690	FNS:	2600
API:	16233020000000	NS:	S
ORG Well No:	3	FEW:	50
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.440473

Wells and Additional Sources Detail Report

Letter:	L	Rec Lon NAD1927:	-87.699827
Section:	19	Latitude:	37.440518
Surface Elevation:	427.0	Longitude:	-87.699838
ORG Operator:	PRUITT, A B		
ORG Farm:	PINKSTON, A E		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=18064		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	NNW	0.84	4,425.20	417.40	OGW

KGS Rec No:	55823	USGS Quad:	NEBO
KGS Permit:	25105	FNS:	2860
API:		NS:	N
ORG Well No:	2	FEW:	1500
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.442145
Letter:	L	Rec Lon NAD1927:	-87.694834
Section:	19	Latitude:	37.44219
Surface Elevation:	420.0	Longitude:	-87.694843
ORG Operator:	ROSSI, PAUL		
ORG Farm:	BALL, D L ET AL		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55823		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	WNW	0.94	4,978.09	371.06	OGW

KGS Rec No:	55826	USGS Quad:	NEBO
KGS Permit:	26328	FNS:	1310
API:	16233003040000	NS:	N
ORG Well No:	3	FEW:	710
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.429735
Letter:	L	Rec Lon NAD1927:	-87.714222
Section:	23	Latitude:	37.42978
Surface Elevation:	370.0	Longitude:	-87.714232
ORG Operator:	ROSSI, PAUL		
ORG Farm:	HURLEY, OLIVER		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55826		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	NNW	0.79	4,181.79	392.94	OGW

Wells and Additional Sources Detail Report

KGS Rec No:	56007	USGS Quad:	NEBO
KGS Permit:	22650	FNS:	2450
API:	16233003020000	NS:	S
ORG Well No:	6	FEW:	1100
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.440061
Letter:	L	Rec Lon NAD1927:	-87.703788
Section:	18	Latitude:	37.440106
Surface Elevation:	390.0	Longitude:	-87.703799
ORG Operator:	CLINE, WALTER		
ORG Farm:	BROOKS, WILLIAM		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=56007		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	NW	0.84	4,412.41	379.99	OGW

KGS Rec No:	55697	USGS Quad:	NEBO
KGS Permit:	9649	FNS:	1105
API:	16233007160000	NS:	S
ORG Well No:	1	FEW:	1985
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.436368
Letter:	L	Rec Lon NAD1927:	-87.70983
Section:	18	Latitude:	37.436413
Surface Elevation:	376.0	Longitude:	-87.70984
ORG Operator:	LOHMANN & JOHNSON DRILLING CO		
ORG Farm:	BROOKS, WILLIAM		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55697		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	NNW	0.99	5,250.03	380.00	OGW

KGS Rec No:	55836	USGS Quad:	NEBO
KGS Permit:	16134	FNS:	2100
API:		NS:	N
ORG Well No:	1	FEW:	2000
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.444232
Letter:	L	Rec Lon NAD1927:	-87.693112

Wells and Additional Sources Detail Report

Section: 19 Latitude: 37.444277
 Surface Elevation: 370.0 Longitude: -87.693121
 ORG Operator: HOFFMAN, GEORGE A
 ORG Farm: BALL, D L
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55836>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	NW	0.95	4,993.99	372.00	OGW

KGS Rec No: 55840 USGS Quad: NEBO
 KGS Permit: 13714 FNS: 100
 API: 16233014620000 NS: S
 ORG Well No: 1 FEW: 900
 Bore Type Code: V EW: W
 No: 22 County: WEBSTER
 ELOG: ELOG Rec Lat NAD1927: 37.433607
 Letter: L Rec Lon NAD1927: -87.713567
 Section: 18 Latitude: 37.433652
 Surface Elevation: 370.0 Longitude: -87.713577
 ORG Operator: LOHMANN & JOHNSON DRILLING CO
 ORG Farm: MORGAN, JAMES
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55840>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	NW	0.85	4,488.89	406.25	OGW

KGS Rec No: 55683 USGS Quad: NEBO
 KGS Permit: 20019 FNS: 2200
 API: 16233010500000 NS: S
 ORG Well No: 2 FEW: 2000
 Bore Type Code: V EW: E
 No: 22 County: WEBSTER
 ELOG: ELOG Rec Lat NAD1927: 37.439375
 Letter: L Rec Lon NAD1927: -87.706887
 Section: 18 Latitude: 37.43942
 Surface Elevation: 399.0 Longitude: -87.706899
 ORG Operator: TEMPLE DRILLING CO, INC
 ORG Farm: BROOKS, ROY
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55683>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	NNW	0.98	5,193.26	411.73	OGW

Wells and Additional Sources Detail Report

KGS Rec No:	55682	USGS Quad:	NEBO
KGS Permit:	N10613	FNS:	2100
API:	16233012120000	NS:	N
ORG Well No:	1	FEW:	375
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.444232
Letter:	L	Rec Lon NAD1927:	-87.698708
Section:	19	Latitude:	37.444277
Surface Elevation:	419.0	Longitude:	-87.698718
ORG Operator:	ASHLAND OIL & REFINING CO, INC		
ORG Farm:	BROOKS, ROY		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55682		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	NNW	0.93	4,888.02	381.00	OGW

KGS Rec No:	18059	USGS Quad:	NEBO
KGS Permit:	18252	FNS:	2855
API:	16233016830000	NS:	N
ORG Well No:	4	FEW:	1160
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.442159
Letter:	L	Rec Lon NAD1927:	-87.703994
Section:	18	Latitude:	37.442204
Surface Elevation:	385.0	Longitude:	-87.704005
ORG Operator:	CLINE, WALTER		
ORG Farm:	BROOKS, ROY		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=18059		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	NW	0.92	4,876.69	399.92	OGW

KGS Rec No:	55699	USGS Quad:	NEBO
KGS Permit:	20775	FNS:	3200
API:	16233002990000	NS:	N
ORG Well No:	4	FEW:	1750
Bore Type Code:	V	EW:	E
No:	22	County:	WEBSTER
ELOG:	ELOG	Rec Lat NAD1927:	37.441211
Letter:	L	Rec Lon NAD1927:	-87.706026
Section:	18	Latitude:	37.441256

Wells and Additional Sources Detail Report

Surface Elevation: 398.0 Longitude: -87.706038
 ORG Operator: CLINE, WALTER
 ORG Farm: BROOKS, WILLIAM
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=55699>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NW	0.96	5,071.07	403.99	OGW

KGS Rec No: 3001501 USGS Quad: NEBO
 KGS Permit: 19835 FNS: 2700
 API: NS: S
 ORG Well No: 2 FEW: 2310
 Bore Type Code: V EW: E
 No: 22 County: WEBSTER
 ELOG: Rec Lat NAD1927: 37.440793
 Letter: L Rec Lon NAD1927: -87.707966
 Section: 18 Latitude: 37.440793
 Surface Elevation: 399.0 Longitude: -87.707966
 ORG Operator: TEMPLE DRLG CO INC
 ORG Farm: BROOKS, R H
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=3001501>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	NW	0.96	5,071.07	403.99	OGW

KGS Rec No: 3000575 USGS Quad: NEBO
 KGS Permit: FNS: 2700
 API: NS: S
 ORG Well No: 2 FEW: 2310
 Bore Type Code: V EW: E
 No: 22 County: WEBSTER
 ELOG: Rec Lat NAD1927: 37.440749
 Letter: L Rec Lon NAD1927: -87.707956
 Section: 18 Latitude: 37.440793
 Surface Elevation: 399.0 Longitude: -87.707966
 ORG Operator: TEMPLE DRILLING CO
 ORG Farm: BROOKS, RH
 Bore Type: Conventional vertical well bore (not intentionally deviated)
 Images: <https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=3000575>

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	NW	0.97	5,116.71	402.06	OGW

Wells and Additional Sources Detail Report

KGS Rec No:	157590	USGS Quad:	NEBO
KGS Permit:	N13557	FNS:	2664
API:	16233024450000	NS:	S
ORG Well No:	?	FEW:	2415
Bore Type Code:	V	EW:	W
No:	22	County:	WEBSTER
ELOG:		Rec Lat NAD1927:	37.44065
Letter:	L	Rec Lon NAD1927:	-87.70835
Section:	18	Latitude:	37.440694
Surface Elevation:	0.0	Longitude:	-87.708359
ORG Operator:	UNKNOWN		
ORG Farm:	UNKNOWN		
Bore Type:	Conventional vertical well bore (not intentionally deviated)		
Images:	https://kgs.uky.edu/kygeode/services/oilgas/wellReport.asp?id=157590		

DRAFT

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *HOPKINS* County: **2**
Federal EPA Radon Zone for *WEBSTER* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L

Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L

Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *HOPKINS* County

No Measures/Homes:	8
Geometric Mean:	0.5
Arithmetic Mean:	0.6
Median:	0.5
Standard Deviation:	0.5
Maximum:	1.6
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Kentucky conducted during 1986-87. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Federal Area Radon Information for *WEBSTER* County

No Measures/Homes:	3
Geometric Mean:	1
Arithmetic Mean:	1.3
Median:	1
Standard Deviation:	1
Maximum:	2.4
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Kentucky conducted during 1986-87. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Federal Sources

FEMA National Flood Hazard Layer

FEMA FLOOD

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data

INDOOR RADON

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data

PWSV

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level

RADON ZONE

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS)

SDWIS

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database

SSURGO

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data

US WETLAND

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo

US TOPO

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology

US GEOLOGY

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System

FED USGS

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

State Sources

Kentucky Groundwater Data Repository

List of records in the Kentucky Geological Survey's Water Well & Spring Records database. The Kentucky Groundwater Data Repository was initiated in 1990 by the Kentucky Geological Survey under mandate from the Kentucky legislature (KRS 151:035). The repository was established to archive and disseminate groundwater data collected by State agencies, other organizations, and independent researchers.

WATER WELLS

Oil and Gas Wells

This oil and gas well data is made available by the University of Kentucky through the Kentucky Geological Survey's Oil and Gas Data Search.

OGW

Public Water Supply Wells

The Public Water Supply Wells (PWSW) data consist of community water supply wells in Kentucky. This data was made available by Kentucky Department for Environmental Protection, Division of Water.

PWSW

DRAFT

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

Your Liability for misuse: Using this Service and/or its reports in a manner contrary to this Notice or your agreement will be in breach of copyright and contract and ERIS may obtain damages for such mis-use, including damages caused to third parties, and gives ERIS the right to terminate your account, rescind your license to any previous reports and to bar you from future use of the Service.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc. ("ERIS") using various sources of information, including information provided by Federal and State government departments. The report applies only to the address and up to the date specified on the cover of this report, and any alterations or deviation from this description will require a new report. This report and the data contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein and does not constitute a legal opinion nor medical advice. Although ERIS has endeavored to present you with information that is accurate, ERIS Information Inc. disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Trademark and Copyright: You may not use the ERIS trademarks or attribute any work to ERIS other than as outlined above. This Service and Report(s) are protected by copyright owned by ERIS Information Inc. Copyright in data used in the Service or Report(s) (the "Data") is owned by ERIS or its licensors. The Service, Report(s) and Data may not be copied or reproduced in whole or in any substantial part without prior written consent of ERIS.

Appendix D

Regulatory Agency Documentation

DRAFT

1-22

FILMED

County Webster State Ky.

Sec. 22 T. L R. 22

Loc. 4950'FS 8650'FE Quad. L/S

Op. H. Paul Maier

Farm #1 Baker Heirs

I.P. D&A Date 3/2/64

T.D. 2792 M.L. _____

Fm. Tested McClosky S.S. _____

Elec. Log yes Core Chips _____

Samples on File _____ Box No. _____

SUB-SEA DATA

BLM - 1544

Cy. F - 1963

SAND RECORD

TOPS 326

Rec* 55812

Operator: Maier, Paul H. 236
 -20- spaces Elev: 399 -3-spaces
 Farm: Baker Heirs #1
 -30- spaces T.D.: 2792 -5-spaces
 Carter Cood: 22-4-22 Footages: 1100 -4-spaces FSL X 1050 -4-spaces FEL
 Elec. Log Density Log County: Webster -15-spaces N W

	DPTH	DEPH	DEPH	TYPE	ELEV. BASE
Carthage Lmst.	<u>BC</u>				
channel facies ss.1		<u>BC</u>			
channel facies ss.2		<u>BC</u>			
W. Franklin Lmst.	<u>226</u>				
Coiltown coal	<u>CN</u>				
Central City ss.		<u>NP?</u>			
Wheatcroft coal	<u>CN</u>				
Anvil Rock ss.		<u>NP</u>			
Baker coal	<u>389</u>				
U. Providence Lm.	<u>421</u>				
Paradise coal	<u>CN</u>				
L. Providence Lm.	<u>441</u>				
Herrin coal	<u>445</u>				
U. Vermillionville ss		<u>NP</u>			
Briar Hill coal	<u>CN</u>				
L. Vermillionville ss		<u>475</u>	<u>500</u>	<u>P</u>	
Springfield coal	<u>530</u>				
U. Pleasantview ss.		<u>NP</u>			
Houchen Creek coal	<u>592</u>				
L. Pleasantview ss.		<u>NP</u>			
Survant coal	<u>623</u>				
Colchester coal	<u>660</u>				
Sebree ss.		<u>680</u>	<u>727</u>	<u>F</u>	
Davis coal	<u>751</u>				
U. Granger ss.		<u>829</u>	<u>861</u>	<u>G</u>	
L. Granger ss.		<u>883</u>	<u>963</u>	<u>G</u>	
Curlew Lmst.		<u>NP?</u>			
Mannington coal		<u>NP?</u>			
Empire Lmst		<u>NP</u>			
Lead Creek Lmst.		<u>NP</u>			
channel facies ss.3		<u>1214</u>	<u>1425</u>	<u>G</u>	
Bell coal	<u>CN</u>				
Caseyville Fm. top	<u>CN</u>				
Caseyville Fm. bot	<u>1650</u>				
% sandstone	<u>20%</u>				
Vienna Lmst.	<u>2012</u>				

TYPE SS: G=good, F=fair, P=poor
 BC= behind casing
 NP= not present
 CN= could not pick

Kentucky Geological Survey



0055812014

⚠ The capability to download maps is currently limited to year 2004 and greater. If you are in the need of a map older than 2004, please email your request to EEC.KORA@ky.gov . Be sure to include as much detail as possible about the records you are seeking. In the event of any questions regarding your request, please include a contact name and number.



📄 Mine Report

Mine Details:		
State File Number (SFN): 08987	Federal Id:	Permit Number:
Company: WEBSTER CO COAL CORP	Mine Name: DOTIKI	Operator: PATTERSON, W
Nearest Town: CLAY	Nearest Stream:	County: WEBSTER
Seam Name:	Status: Inactive	

Permit / Operator / Company Details

Drag a column header and drop it here to group by that column

License # ▼	Permi... ▼	Company ▼	M... ▼	Operator ▼	Year... ▼	Tonnage ▼	Seam Ni
		WEBSTER CO COAL CORP	DOTIKI	DAVIS, JOE	0		
		WEBSTER COUNTY C C	DOTIKI	PATTERSON, WM	0		
		WEBSTER COUNTY COAL CORP			0		
		WEBSTER COUNTY COAL CORP	DOTIKI		0		
		WEBSTER COUNTY COAL CORP	DOTIKI		0		
		WEBSTER COUNTY COAL CORP	DOTIKI		0		
		WEBSTER COUNTY COAL CORP	DOTIKI		0		
		WEBSTER COUNTY COAL CORP	DOTIKI MINE		0		
		WEBSTER COUNTY COAL CORP	DOTIKI MINE		0		
		WEBSTER COUNTY COAL CO	DOTIKI	DAVIS, JOE	1966		
		WEBSTER CO COAL CORP	DOTIKI	DAVIS, JOE	1967	405601	

WEBSTER COUNTY COAL CO	DOTIKI	DAVIS, JOE	1967	405601
WEBSTER COUNTY COAL CO	DOTIKI	DAVIS, JOE	1968	1098306
WEBSTER CO COAL CORP	DOTIKI	DAVIS, JOE	1969	1314529
WEBSTER COUNTY COAL CO	DOTIKI	DAVIS, JOE	1969	1314529
WEBSTER CO COAL CORP	DOTIKI	DAVIS, JOE	1970	1089376
WEBSTER COUNTY COAL CO	DOTIKI	DAVIS, JOE	1970	1089376
WEBSTER CO COAL CORP	DOTIKI	DAVIS, JOE	1971	1050199
WEBSTER CO COAL CORP	DOTOK I	PATTERSON, W	1971	1050199
WEBSTER CO COAL CORP	DOTIKI	DAVIS, JOE	1972	1317812
WEBSTER CO COAL CORP	DOTIKI	PATTERSON, WM	1972	1317812
WEBSTER CO COAL CORP	DOTIKI	PATTERSON, WM	1973	1618644
WEBSTER CO COAL CORP	DOTIKI	DAVIS, JOE	1974	1653256
WEBSTER COUNTY COAL CORP	DOTIKI	PATTERSON, WM	1974	1653256
WEBSTER CO COAL CORP	DOTIKI	DAVIS, JOE	1975	1746336
WEBSTER COUNTY COAL CORP	DOTIKI	PATTERSON, WM	1975	1746336
WEBSTER CO COAL CORP	DOTIKI	PATTERSON, WM	1976	1803988
WEBSTER COUNTY COAL CORP	DOTIKI	PATTERSON, WM	1977	1899814
WEBSTER COUNTY COAL CORP	DOTIKI	PATTERSON, WM	1978	1544545
WEBSTER CO COAL CORP	DOTIKI	PATTERSON, WM	1979	1583920
WEBSTER CO COAL CORP	DOTIKI	PATTERSON, WM	1980	1856479
WEBSTER CO COAL CORP	DOTIKI	PATTERSON, WM	1981	1796168

82-1667	317-5000	Webster Co Coal Corp	Dotiki	W Patterson	1982	1615004	No. 9
83-1022	717-5000	Webster County Coal Corp	Dotiki	W Patterson	1983	1522784	No. 9
84-1256	717-5000	Webster County Coal Corp	Dotiki	W Patterson	1984	1919232	No. 9
85-1664	717-5000	Webster County Coal Corp	Dotiki	W Patterson	1985	1790210	No. 9
86-0888	717-5000	Webster County Coal Corp	Dotiki	James Gill	1986	2132896	No. 9
87-0633	717-5000	Webster County Coal Corp	Dotiki	James Gill	1987	2406363	No. 9
88-0623	717-5000	Webster County Coal Corp	Dotiki	James Gill	1988	2503734	No. 9
89-0352	717-5000	Webster County Coal Corp	Dotiki	James Gill	1989	2808093	No. 9
90-0282	717-5000	Webster County Coal Corp	Dotiki	James Gill	1990	2839481	No. 9
91-0120	717-5000	Webster County Coal Corp	Dotiki	James Gill	1991	2930962	No. 9
92-0213	717-5000	Webster County Coal Corp	Dotiki	James Gill	1992	3023352	No. 9
93-0177	717-5000	Webster County Coal Corp	Dotiki	James Gill	1993	3093788	No. 9
94-0083	717-5000	Webster County Coal Corp	Dotiki	James Gill	1994	3161146	No. 9
95-0204	717-5000	Webster County Coal Corp	Dotiki	James Gill	1995	3021371	No. 9
96-0287	717-5000	Webster County Coal Corp	Dotiki	James Gill	1996	3311083	No. 9
97-0259		Webster County Coal Corp	Dotiki	James Gill	1997		
98-0263		Webster County Coal Corp	Dotiki	James Gill	1998		
99-0251		Webster County Coal Corp	Dotiki	James Gill	1999		
00-0253	717-5000	Webster County Coal Corp	Dotiki	Alan Boswell	2000	4575521	No. 9
01-0255	717-5000	Webster County Coal Llc	Dotiki	Alan Boswell	2001	5575421	No. 9
02-0272	917-5013	Webster County Coal Llc	Dotiki	Alan Boswell	2002	5608100	No. 9
03-0253	917-3015	Webster County Coal Corp	Dotiki	Alan Boswell	2003	6012959	No. 9
03-0253	917-5013	Webster County Coal Corp	Dotiki	Alan Boswell	2003	6012959	No. 9
04-0603	854-0234	Webster County Coal Corp	Dotiki	Alan Boswell	2004	4780111	No. 9
04-0603	917-5015	Webster County Coal Corp	Dotiki	Alan Boswell	2004	4780111	No. 9
04-0603	917-5016	Webster County Coal Corp	Dotiki	Alan Boswell	2004	4780111	No. 9
04-0603	947-5013	Webster County Coal Corp	Dotiki	Alan Boswell	2004	4780111	No. 9
05-0401	854-0234	Webster County Coal Corp	Dotiki	Alan Boswell	2005	4741109	No. 9

05-0401 [917-5013](#) Webster County Coal Corp Dotiki Alan Boswell 2005 4741109 No. 9

05-0401	917-5015	Webster County Coal Corp	Dotiki	Alan Boswell	2005	4741109	No 9
05-0401	917-5016	Webster County Coal Corp	Dotiki	Alan Boswell	2005	4741109	No 9
06-0403		Webster County Coal Llc	Dotiki	David Ross	2006	4773296	No 9
0704-U-003	917-5013	Webster County Coal Llc	Dotiki	David Ross	2007	4597010	No 9
0704-U-003	917-5015	Webster County Coal Llc	Dotiki	David Ross	2007	4597010	No 9
0704-U-003	917-5016	Webster County Coal Llc	Dotiki	David Ross	2007	4597010	No 9
0804-U-001	917-5013	Webster County Coal Llc	Dotiki	Heath Lovell	2008	4662442	No 9
0804-U-001	917-5015	Webster County Coal Llc	Dotiki	Heath Lovell	2008	4662442	No 9
0804-U-001	917-5016	Webster County Coal Llc	Dotiki	Heath Lovell	2008	4662442	No 9
0904-U-001	854-0234	Webster County Coal Llc	Dotiki	Mark Evans	2009	4200121	No 9
0904-U-001	917-5013	Webster County Coal Llc	Dotiki	Mark Evans	2009	4200121	No 9
0904-U-001	917-5015	Webster County Coal Llc	Dotiki	Mark Evans	2009	4200121	No 9
0904-U-001	917-5016	Webster County Coal Llc	Dotiki	Mark Evans	2009	4200121	No 9
1004-U-002	854-0234	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 11
1004-U-002	854-0234	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 9
1004-U-002	854-5030	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 11
1004-U-002	854-5030	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 9
1004-U-002	854-5032	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 11
1004-U-002	854-5032	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 9
1004-U-002	917-5013	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 11
1004-U-002	917-5013	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 9
1004-U-002	917-5015	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 11
1004-U-002	917-5015	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 9
1004-U-002	917-5016	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 11
1004-U-002	917-5016	Webster County Coal Llc	Dotiki	Mark Evans	2010	3882128	No 9
1104-U-003	917-5013	Webster County Coal Llc	Dotiki	Mark Evans	2011	3600109	No 11
1104-U-003	917-5013	Webster County Coal Llc	Dotiki	Mark Evans	2011	3600109	No 13
1104-U-003	917-5013	Webster County Coal Llc	Dotiki	Mark Evans	2011	3600109	No 9

1204-U-001	917-5013	Webster County Coal Llc	Dotiki	Gay Thweatt	2012	3363050	No 11
------------	--------------------------	-------------------------	--------	-------------	------	---------	-------

1204-U-001	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2012	3363050	No 13
1204-U-001	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2012	3363050	No 9
1304-U-004	854-0234	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 11
1304-U-004	854-0234	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 13
1304-U-004	854-0234	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 9
1304-U-004	854-5030	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 11
1304-U-004	854-5030	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 13
1304-U-004	854-5030	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 9
1304-U-004	854-5032	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 11
1304-U-004	854-5032	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 13
1304-U-004	854-5032	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 9
1304-U-004	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 11
1304-U-004	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 13
1304-U-004	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 9
1304-U-004	917-5015	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 11
1304-U-004	917-5015	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 13
1304-U-004	917-5015	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 9
1304-U-004	917-5016	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 11
1304-U-004	917-5016	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 13
1304-U-004	917-5016	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 9
1304-U-004	917-5023	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 11
1304-U-004	917-5023	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 13
1304-U-004	917-5023	Webster County Coal Llc	Dotiki	Gary Thweatt	2013	3473953	No 9
1404-U-001	854-0234	Webster County Coal Llc	Dotiki	Gary Thweatt	2014	3914010	No 13
1404-U-001	854-5030	Webster County Coal Llc	Dotiki	Gary Thweatt	2014	3914010	No 13
1404-U-001	854-5032	Webster County Coal Llc	Dotiki	Gary Thweatt	2014	3914010	No 13
1404-U-001	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2014	3914010	No 13
1404-U-001	917-5015	Webster County Coal Llc	Dotiki	Gary Thweatt	2014	3914010	No 13

1404-U-001	917-5016	Webster County Coal Llc	Dotiki	Gary Thweatt	2014	3914010	No 13
------------	--------------------------	-------------------------	--------	--------------	------	---------	-------

1404-U-001	917-5023	Webster County Coal Llc	Dotiki	Gary Thweatt	2014	3914010	No 13
1504-U-003	854-5030	Webster County Coal Llc	Dotiki	Gary Thweatt	2015	3994375	WKy No
1504-U-003	854-5032	Webster County Coal Llc	Dotiki	Gary Thweatt	2015	3994375	WKy No
1504-U-003	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2015	3994375	WKy No
1504-U-003	917-5015	Webster County Coal Llc	Dotiki	Gary Thweatt	2015	3994375	WKy No
1504-U-003	917-5016	Webster County Coal Llc	Dotiki	Gary Thweatt	2015	3994375	WKy No
1504-U-003	917-5023	Webster County Coal Llc	Dotiki	Gary Thweatt	2015	3994375	WKy No
1604-U-001	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2016	3744015	WKy No
1604-U-001	917-5023	Webster County Coal Llc	Dotiki	Gary Thweatt	2016	3744015	WKy No
1704-U-003	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2017	2629752	WKy No
1704-U-003	917-5013	Webster County Coal Llc	Dotiki	Matthew Pride	2017	2629752	WKy No
1704-U-003	917-5023	Webster County Coal Llc	Dotiki	Gary Thweatt	2017	2629752	WKy No
1704-U-003	917-5023	Webster County Coal Llc	Dotiki	Matthew Pride	2017	2629752	WKy No
1804-U-001	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2018	2475504	WKy No
1804-U-001	917-5013	Webster County Coal Llc	Dotiki	Matthew Pride	2018	2475504	WKy No
1904-U-004	917-5013	Webster County Coal Llc	Dotiki	Gary Thweatt	2019	1290600	WKy No

Available Maps

Drag a column header and drop it here to group by that column

Download Map	Map Year ▼	Map Date ▼	Purpose ▼	File Name ▼
Download Map	2019	02/03/2020	Final	08987_2019F_20200203_s1of3
Download Map	2019	02/03/2020	Final	08987_2019F_20200203_s2of3
Download Map	2019	02/03/2020	Final	08987_2019F_20200203_s3of3
Download Map	2019	02/03/2020	Final	08987_2019F_20200203_T
Download Map	2019	12/31/2018	License	08987_2019L_20181231_S1OF3

⚠ The capability to download maps is currently limited to year 2004 and greater. If you are in the need of a map older than 2004, please email your request to EEC.KORA@ky.gov . Be sure to include as much detail as possible about the records you are seeking. In the event of any questions regarding your request, please include a contact name and number.



📄 Mine Report

Mine Details:

State File Number (SFN): 08983-1

Company: ISLAND CREEK CC

Nearest Town: PROVIDENCE

Seam Name:

Federal Id:

Mine Name: PROVIDENCE 1

Nearest Stream:

Status: Inactive

Permit Number:

Operator: HUNTER, JAMES

County: HOPKINS

Permit / Operator / Company Details

Drag a column header and drop it here to group by that column

License # ▼	Permit # ▼	Company ▼	Mine Name ▼	Operator ▼	Year ▲ ▼	Tonnage ▼	Seam
		ISLAND CREEK CC	PROVIDENCE 1	HUNTER, JAMES	0		
		ISLAND CREEK CC	PROVIDENCE 1	PETZOLD, A	0		
		ISLAND CREEK CC	PROVIDENCE 1	PETZOLD, ARNOLD	0		
		ISLAND CREEK COAL CO	PROVIDENCE #1		0		
		ISLAND CREEK COAL CO	PROVIDENCE #1		0		
		ISLAND CREEK COAL COMPANY	PROVIDENCE #1		0		
		ISLAND CREEK COAL COMPANY	PROVIDENCE #1		0		
		ISLAND CREEK COAL COMPANY	PROVIDENCE 1		0		
		ISLAND CREEK COAL COMPANY	PROVIDENCE 1		0		

ISLAND CREEK CC PROVIDENCE 1 HERRON, 1969

RICHARD

		ISLAND CREEK CC	PROVIDENCE 1	HERRON, RICHARD	1969	99885	
		ISLAND CREEK COAL CO	PROVIDENCE 1	HERRON, RICHARD	1969	99885	
		ISLAND CREEK CC	PROVIDENCE 1	HERRON, RICHARD	1970	1175904	
		ISLAND CREEK CC	PROVIDENCE 1	HERRON, RICHARD	1971	1249723	
		ISLAND CREEK COAL CO	PROVIDENCE 1	HERRON, RICHARD	1971	1249723	
		ISLAND CREEK CC	PROVIDENCE 1	MC BURNEY, E	1972	1329789	
		ISLAND CREEK COAL CO	PROVIDENCE 1	MCBURNEY, E	1972	1329789	
		ISLAND CREEK CC	PROVIDENCE 1	MC BURNEY, E	1973	1339602	
		ISLAND CREEK CC	PROVIDENCE 1	PETZOLD, A	1974		
		ISLAND CREEK CC	PROVIDENCE 1	PETZOLD, A	1974	1388744	
		ISLAND CREEK COAL CO	PROVIDENCE 1	PETZOLD, A	1974	1388744	
		ISLAND CREEK CC	PROVIDENCE 1	PETZOLD, A	1975	1262576	
		ISLAND CREEK COAL CO	PROVIDENCE 1	PETZOLD, A	1975	1262576	
		ISLAND CREEK CC	PROVIDENCE 1	PETZOLD, A	1976	1262576	
		ISLAND CRK COAL CO W KY DIVIS	PROVIDENCE 1	PETZOLD, A	1976	1192446	
		ISLAND CREEK COAL CO	PROVIDENCE 1	PETZOLD, A	1977	1155586	
		ISLAND CREEK COAL CO	PROVIDENCE 1	PETZOLD, A	1978	981008	
		ISLAND CREEK COAL CO	PROVIDENCE 1	PETZOID, A	1979	1068953	
		ISLAND CREEK COAL CO W KY DIV	PROVIDENCE 1	PETZOLD, A	1980	1075307	
		ISLAND CREEK COAL WEST KY DIV	PROVIDENCE 1	HUNTER, JAMES	1981	919478	
82-1604		Island Creek Coal Co	Providence 1	James Hunter	1982	1184544	Nc
83-0989	654-5006	Island Creek Coal Co	Providence 1	James Hunter	1983	1130821	Nc
84-1237	654-5006	Island Creek Coal Co	Providence 1	James Hunter	1984	1659435	Nc
85-1607	654-5006	Island Creek Coal Co	Providence 1	James Hunter	1985	1488488	Nc
86-1645	654-5006	Island Creek Coal Co	Providence 1	James Founda	1986	1783919	Nc
87-0698	654-5006	Island Creek Coal Co	Providence 1	James Founda	1987	1957913	Nc

88-0697	654-5006	Island Creek Coal Co	Providence 1	Joseph McGill	1988	1465607	Nc
89-0341	654-5006	Island Creek Coal Co	Providence 1	Joseph McGill	1989	978917	Nc
90-0546	654-5006	Island Crk Coal Co	Providence 1	Joseph McGill	1990	157480	Nc
91-0102	654-5006	Island Creek Coal Co	Providence 1	Joseph McGill	1991	244035	Nc

1 All items per page

1 - 40 of 40 items

Available Maps

Drag a column header and drop it here to group by that column

Download Map	Map Year ▼	Map Date ▼	Purpose ▼	File Name ▼
Download Map	1991	12/31/1991	Final	08983-1_1991F_19911231
Download Map	1991	12/31/1991	Final	08983-1_1991F_19911231_T
Download Map	1991	12/31/1991	Final	08983-1_1991F_19911231_X1OF2
Download Map	1991	12/31/1991	Final	08983-1_1991F_19911231_X2OF2
Download Map	1979	01/29/1979	License	08983-1_1979L_19790129_O
Download Map	1969	04/07/1969	Supplemental	08983-1_1969S_19690407_M

1 All items per page

1 - 6 of 6 items

Appendix E

Owner Interview Documentation

DRAFT

Owner Interviews Tracking Sheet
 Weirs Creek Solar Project
 Hopkins and Webster Counties, Kentucky

Parcel Data	Owner Entity/Name	Contact Name	Contact Information	Attempts			Comments
				1st	2nd	3rd	
054-014-000	Donaldson Farms Inc	Teresa Logan Tom Logan	256-777-9152; rocket@1791.com 270-875-7790; tlogan@aztecamilling.com	3/22/2024	3/25/2024	N/A	The land has been in the family for at least 50-60 years. Only a very small portion of the Subject Property encroaches on the parent parcel. The parent parcel once contained a farmstead that was present from the 1880s through the 1970s, and included a well and septic system. The land has always been agricultural, with organic pesticides and no other environmental items of note.
054-008-002	Peyton-Melton Farms, LLC	Not Provided	Not Provided	N/A	N/A	N/A	N/A
054-004-000	Alsbrooks Thurman Wayne	Not Provided	Not Provided	N/A	N/A	N/A	N/A
054-015-000	Anna C and Charles Russell Family Trust	Charles "Mark" Russell	256-797-4482; russell5@comcast.net	3/22/2024	N/A	N/A	The land has been in the family since 1954, and has been used for cropland with one farmstead that has not been occupied for six years. The house still has electricity connected, and has both a well and septic system. There are two propane USTs and one 250-500 gallon gasoline AST that is empty. The farmland has been terraced. There is one pond near the farmstead. The land is leased to a tenant farmer (Mitchell).
063-006-000							
MAP-28-2							

FOR INTERNAL USE ONLY	
ECT Project Number:	
ECT Project Name:	Weirs Creek - Additional Parcels
Date Received:	03/22/2024



Owner Environmental Questionnaire

INSTRUCTIONS: Please complete the following questions to the best of your knowledge. Any description pertaining to the location(s) of identified features would be greatly appreciated.

Section, Township & Range (with quarter) and/or Addresses: _____

Owner
Name/Entity: Anna C and Charles Russell Family Trust

Contact Full Name
& Affiliation: _____

Email Address: russell5@comcast.net

Phone No.: 256-797-4482

Other Site Personnel (Name & Contact Information): _____

1) When did you purchase the property(ies) and/or since what year have you been affiliated with the property(ies)? _____
1954

2) What are the CURRENT uses of the property? _____

Crops _____

3) What are the PAST uses of the property? _____

Crops + farmstead _____

4) What is the approximate age (or construction date) and size /square footage of current structure(s)? _____

House (built in 1982), agricultural buildings. Has not been lived in for 6 years. _____

5) If the property is currently vacant or undeveloped, do you know of any prior improvements? If yes, please describe. NO YES

Some terracing _____

6) Are you aware of any current or previous wells or septic systems? If yes, please provide approximate location(s). NO YES

Well and septic both _____

Owner Environmental Questionnaire



> ectinc.com

7) Do any utilities currently service the property? If yes, please specify. NO YES

Electricity only

8) Are you aware of any storage, use, generation, or disposal of automotive, industrial, or agricultural chemicals, batteries, solvents, petroleum products, pesticides, or related regulated chemicals? If yes, please explain. NO YES

AST, see below

9) Are you aware of any underground or aboveground storage tanks for any chemicals or petroleum products currently or historically located on the property? If yes, please explain and specify underground or aboveground. NO YES

AST (250-500 gasoline), empty now.

10) Has the property been used as a waste landfill, dump, or disposal site? If yes, please identify and explain. NO YES

11) Are you aware of any fill material that has been placed on the property? If yes, please specify and indicate source of material. NO YES

12) Are you aware of any current or former oil or gas wells, or associated tanks/pipelines on the property? If yes, please identify and explain. NO YES

13) Are you aware of any current or former (i.e., filled) pits, ponds, or lagoons located on the property? If yes, please describe. NO YES

One pond

14) Are you aware of any past cattle dipping vats on the property? NO YES

15) Are you aware of any former or current biosolid application? If yes, please describe location(s) and years of application. NO YES

Owner Environmental Questionnaire



16) Are you aware of any petroleum or hazardous waste discharges or releases to the environment, or contamination impacts to the site soil, groundwater, or surface waters? If yes, please describe.

NO YES

17) Are you aware of any leases or easements on the property? If yes, please list. NO YES

Lease - Mitchell brothers

18) Are you aware of any pending, threatened, or past environmental litigation, proceedings, or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the property? NO YES

19) Are you aware of any past environmental assessment report(s) prepared for the property? If yes, are you able to provide a copy of the prior report(s)? NO YES

I certify to the best of my knowledge that the above statements and facts are true and correct. To the best of my knowledge, no provided material facts have been suppressed or misstated.

Completed By: Jessica Philips for Mr. Russell Title/Company: (If applicable)

Signature: Jessica Philips Date: March 22, 2024

Relationship to site: _____

Please return a copy of the completed Owner Environmental Questionnaire form to **Environmental Consulting & Technology, Inc (ECT)** at:

Email (preferred):	BJarvis@ectinc.com
Mailing Address:	ECT, Attn: Beth Jarvis 2001 Commonwealth Blvd, Suite 100 Ann Arbor, MI 48105-2957



WANT TO COMPLETE ELECTRONICALLY?

Please scan the QR code with your smartphone camera to be directed to the online form, or go to:

<https://forms.office.com/r/Xgm2P6enzr>

FOR INTERNAL USE ONLY	
ECT Project Number:	210152
ECT Project Name:	Weirs Creek
Date Received:	03/25/2024



Owner Environmental Questionnaire

INSTRUCTIONS: Please complete the following questions to the best of your knowledge. Any description pertaining to the location(s) of identified features would be greatly appreciated.

Section, Township & Range (with quarter) and/or Addresses: _____

Owner Name/Entity: Donaldson Farms

Contact Full Name & Affiliation: Teresa Logan

Email Address: _____

Phone No.: 256-777-9152

Other Site Personnel (Name & Contact Information): _____

Tom Logan

1) When did you purchase the property(ies) and/or since what year have you been affiliated with the property(ies)? At least 50-60 years

2) What are the CURRENT uses of the property?
Agricultural

3) What are the PAST uses of the property?
Agricultural and residential

4) What is the approximate age (or construction date) and size /square footage of current structure(s)?
None currently. House + barns on parent parcel dating back to 1880s (driveway to the east), demolished in the 70s

5) If the property is currently vacant or undeveloped, do you know of any prior improvements? If yes, please describe. NO YES
Tiling

6) Are you aware of any current or previous wells or septic systems? If yes, please provide approximate location(s). NO YES
Possible well/septic on parent parcel, none in the area the project will be on.

Owner Environmental Questionnaire



> ectinc.com

7) Do any utilities currently service the property? If yes, please specify. NO YES

8) Are you aware of any storage, use, generation, or disposal of automotive, industrial, or agricultural chemicals, batteries, solvents, petroleum products, pesticides, or related regulated chemicals? If yes, please explain. NO YES

Organic fertilizer

9) Are you aware of any underground or aboveground storage tanks for any chemicals or petroleum products currently or historically located on the property? If yes, please explain and specify underground or aboveground. NO YES

10) Has the property been used as a waste landfill, dump, or disposal site? If yes, please identify and explain. NO YES

11) Are you aware of any fill material that has been placed on the property? If yes, please specify and indicate source of material. NO YES

12) Are you aware of any current or former oil or gas wells, or associated tanks/pipelines on the property? If yes, please identify and explain. NO YES

13) Are you aware of any current or former (i.e., filled) pits, ponds, or lagoons located on the property? If yes, please describe. NO YES

14) Are you aware of any past cattle dipping vats on the property? NO YES

15) Are you aware of any former or current biosolid application? If yes, please describe location(s) and years of application. NO YES

Owner Environmental Questionnaire



> ectinc.com

16) Are you aware of any petroleum or hazardous waste discharges or releases to the environment, or contamination impacts to the site soil, groundwater, or surface waters? If yes, please describe.

NO YES

17) Are you aware of any leases or easements on the property? If yes, please list. NO YES

Tenant farmer

18) Are you aware of any pending, threatened, or past environmental litigation, proceedings, or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the property? NO YES

19) Are you aware of any past environmental assessment report(s) prepared for the property? If yes, are you able to provide a copy of the prior report(s)? NO YES

I certify to the best of my knowledge that the above statements and facts are true and correct. To the best of my knowledge, no provided material facts have been suppressed or misstated.

Completed By: Jessica Philips for Ms. Teresa Logan Title/Company: _____
(If applicable)

Signature: Jessica Philips Date: March 25, 2024

Relationship to site: _____

Please return a copy of the completed Owner Environmental Questionnaire form to **Environmental Consulting & Technology, Inc (ECT)** at:

Email (preferred):	BJarvis@ectinc.com
Mailing Address:	ECT, Attn: Beth Jarvis 2001 Commonwealth Blvd, Suite 100 Ann Arbor, MI 48105-2957



WANT TO COMPLETE ELECTRONICALLY?

Please scan the QR code with your smartphone camera to be directed to the online form, or go to:

<https://forms.office.com/r/Xgm2P6enzr>

Appendix F

State/Local Interview Documentation

DRAFT

Freedom of Information Act (FOIA) Requests Tracking Sheet

Weirs Creek (fka Providence) Solar Project

Hopkins & Webster Counties, Kentucky

Agency Name	Contact Name & Title (if known)	Method of Inquiry	Attempts			Comments
			1st	2nd	3rd	
COUNTY AGENCIES						
Hopkins County Health Department	Mr. John Montgomery	phyllisw.mason@ky.gov johnd.montgomery@ky.gov	2/12/2024	2/20/2024	N/A	No records available.
Webster County Health Department	Mr. Brandon Chandler	brandon.chandler@grdhd.org	2/12/2024	2/20/2024	N/A	No records available.
MUNICIPAL/LOCAL AGENCIES						
Providence City Fire Department	Chief Steve Burns Ms. Tiffany Conrad	sburns@providenceky.com tconrad@providenceky.com	2/12/2024	2/20/2024	2/29/2024	No response as of the date of this report.
Nebo Fire & Rescue	Mr. Steve Ashby	steve.ashby@rocketmail.com 270-875-5040	2/12/2024	2/20/2024	N/A	No records available.

From: [Montgomery, John D \(LHD - Hopkins Co\)](#)
Sent: Tuesday, February 20, 2024 4:12 PM
To: [Beth Jarvis](#)
Subject: RE: FOIA Records Request - Hopkins County KY (follow-up)

Beth,

We don't have any requests or information on this area as far as I know.

Thanks,

John D. Montgomery

From: Beth Jarvis <bjarvis@ectinc.com>
Sent: Tuesday, February 20, 2024 10:43 AM
To: phyllisw.mason@ky.gov; Montgomery, John D (LHD - Hopkins Co) <JohnD.Montgomery@ky.gov>
Subject: FOIA Records Request - Hopkins County KY (follow-up)

Good morning,

Hello,

Just checking on a previous records request. Are there any records available for the subject area? If no records are available, please let me know.

Thanks,
Beth

Beth A. Jarvis

Senior Project Coordinator | Site Assessment & Remediation

Environmental Consulting & Technology, Inc.

1408 North Westshore Boulevard | Suite 115 | Tampa, Florida 33607
Direct: 813.725.9414

From: Beth Jarvis
Sent: Monday, February 12, 2024 8:41 AM
To: phyllisw.mason@ky.gov; JohnD.Montgomery@ky.gov
Subject: FOIA Records Request - Hopkins County KY

Good morning,

We are conducting an environmental site assessment for an area of land located north of Nebo Road and east of US Highway 41A in Hopkins and Webster Counties in Kentucky. As part of this assessment, we are required to interview local government agencies about any potential environmental concerns pertaining to the property and its vicinity. We are hoping to receive any available records for this area (via email preferred) pertaining to:

- Wells,
- Septic systems,
- Storage tanks,
- Releases or incidents involving hazardous substances and/or petroleum products,
- Historical or active landfills,

- Dumping of materials,
- Remediation sites,
- Migrating contamination, and/or
- Any other environmentally sensitive records.

A general site map is included for your reference.

Your time is greatly appreciated, thank you.

Beth A. Jarvis

Senior Project Coordinator | Site Assessment & Remediation

Environmental Consulting & Technology, Inc.

1408 North Westshore Boulevard | Suite 115 | Tampa, Florida 33607

Direct: 813.725.9414

DRAFT

From: [Brandon Chandler](#)
Sent: Wednesday, February 21, 2024 9:46 AM
To: [Beth Jarvis](#)
Subject: Re: FOIA Records Request - Webster County KY (follow-up)

Follow Up Flag: Follow up
Flag Status: Flagged

There are no records of concern known about this area from Webster Co Health Department.

On Tue, Feb 20, 2024 at 10:45 AM Beth Jarvis <bjarvis@ectinc.com> wrote:

Good morning,

Hello,

Just checking on a previous records request. Are there any records available for the subject area? If no records are available, please let me know.

Thanks,
Beth

Beth A. Jarvis

Senior Project Coordinator | Site Assessment & Remediation

Environmental Consulting & Technology, Inc.

1408 North Westshore Boulevard | Suite 115 | Tampa, Florida 33607

Direct: 813.725.9414

From: Beth Jarvis
Sent: Monday, February 12, 2024 8:42 AM
To: brandon.chandler@grdhd.org
Subject: FOIA Records Request - Webster County KY

Good morning,

We are conducting an environmental site assessment for an area of land located north of Nebo Road and east of US Highway 41A in Hopkins and Webster Counties in Kentucky. As part of this assessment, we are required to interview local government agencies about any potential environmental concerns pertaining to the property and its vicinity. We are hoping to receive any available records for this area (via email preferred) pertaining to:

- Wells,
- Septic systems,
- Storage tanks,
- Releases or incidents involving hazardous substances and/or petroleum products,
- Historical or active landfills,
- Dumping of materials,
- Remediation sites,
- Migrating contamination, and/or
- Any other environmentally sensitive records.

A general site map is included for your reference.

Your time is greatly appreciated, thank you.

Beth A. Jarvis

Senior Project Coordinator | Site Assessment & Remediation

Environmental Consulting & Technology, Inc.

1408 North Westshore Boulevard | Suite 115 | Tampa, Florida 33607

Direct: 813.725.9414

--

Brandon Chandler
Health Environmentalist III
Webster Co Health Dept
80 Clayton Ave
P.O. Box 109
Dixon, Ky 42409

P: 270-639-9315 ext 216

F: 270-639-7866

Green River District
HEALTH DEPARTMENT



TELL US HOW WE'RE DOING!

<https://www.surveymonkey.com/r/JSNL6HR>

**This message and any attachment may contain PRIVILEGED AND CONFIDENTIAL INFORMATION intended for the use of the above addressee. If you are not the intended recipient, you are hereby notified that any dissemination or copying of this message or any attachment is strictly prohibited and should be deleted from your system. If you received this message in error, please notify the sender at the Green River District Health Department:*

270-686-7747 or fax at 270-926-9862.

www.healthdepartment.org

DRAFT

From: [Beth Jarvis](#)
Sent: Thursday, February 29, 2024 8:18 AM
To: tconrad@providenceky.com
Subject: FOIA Records Request - Hopkins & Webster KY (follow-up 2)
Attachments: [FOIA Map.jpg](#)

Good morning,

Hello,

Just checking on a previous records request. Are there any records available for the subject area? If no records are available, please let me know.

Thanks,
Beth

Beth A. Jarvis

Senior Project Coordinator | Site Assessment & Remediation

Environmental Consulting & Technology, Inc.

1408 North Westshore Boulevard | Suite 115 | Tampa, Florida 33607

Direct: 813.725.9414

From: Beth Jarvis
Sent: Monday, February 12, 2024 8:44 AM
To: tconrad@providenceky.com
Subject: FOIA Records Request - Hopkins & Webster KY

Good morning,

We are conducting an environmental site assessment for an area of land located north of Nebo Road and east of US Highway 41A in Hopkins and Webster Counties in Kentucky. As part of this assessment, we are required to interview local government agencies about any potential environmental concerns pertaining to the property and its vicinity. We are hoping to receive any available records for this area (via email preferred) pertaining to:

- Fires,
- Storage tanks,
- Releases or incidents involving hazardous substances and/or petroleum products,
- Historical or active landfills,
- Dumping of materials,
- Remediation sites,
- Migrating contamination, and/or
- Any other environmentally sensitive records.

A general site map is included for your reference.

Your time is greatly appreciated, thank you.

Beth A. Jarvis

Senior Project Coordinator | Site Assessment & Remediation

Environmental Consulting & Technology, Inc.

1408 North Westshore Boulevard | Suite 115 | Tampa, Florida 33607

Direct: 813.725.9414

DRAFT

From: [Steve Ashby](#)
Sent: Tuesday, February 20, 2024 12:15 PM
To: [Beth Jarvis](#)
Subject: Re: FOIA Records Request - Hopkins & Webster KY (follow-up)

There are no records available

On Feb 20, 2024, at 10:44 AM, Beth Jarvis <bjarvis@ectinc.com> wrote:

Hello,

Just checking on a previous records request. Are there any records available for the subject area? If no records are available, please let me know.

Thanks,
Beth

Beth A. Jarvis

Senior Project Coordinator | Site Assessment & Remediation

Environmental Consulting & Technology, Inc.

1408 North Westshore Boulevard | Suite 115 | Tampa, Florida 33607

Direct: 813.725.9414

From: Beth Jarvis

Sent: Monday, February 12, 2024 8:45 AM

To: Steve.ashby@rocketmail.com

Subject: FOIA Records Request - Hopkins & Webster KY

Good morning,

We are conducting an environmental site assessment for an area of land located north of Nebo Road and east of US Highway 41A in Hopkins and Webster Counties in Kentucky. As part of this assessment, we are required to interview local government agencies about any potential environmental concerns pertaining to the property and its vicinity. We are hoping to receive any available records for this area (via email preferred) pertaining to:

1. Fires,
2. Storage tanks,
3. Releases or incidents involving hazardous substances and/or petroleum products,
4. Historical or active landfills,
5. Dumping of materials,
6. Remediation sites,
7. Migrating contamination, and/or
8. Any other environmentally sensitive records.

A general site map is included for your reference.

Your time is greatly appreciated, thank you.

Beth A. Jarvis

Senior Project Coordinator | Site Assessment & Remediation

Environmental Consulting & Technology, Inc.

1408 North Westshore Boulevard | Suite 115 | Tampa, Florida 33607

Direct: 813.725.9414

<FOIA Map.jpg>

DRAFT

Appendix G

Photographic Documentation

DRAFT

Client Name:

Weirs Creek Solar, LLC

Project No:

210152-1301



Description

View of the northern corridor portion of the Subject Property



Description

View of a public utility vault in the northern portion.

Client Name:

Weirs Creek Solar, LLC

Project No:

210152-1301



Description

View of the eastern portion of the Subject Property



Description

View of the southern portion of the Subject Property

Site Reconnaissance Date: February 13-16, 2024

Client Name:

Weirs Creek Solar, LLC

Project No:

210152-1301



Description

View of the western portion of the Subject Property



Description

Site Reconnaissance Date: February 13-16, 2024

Client Name:

Weirs Creek Solar, LLC

Project No:

210152-1301

View of the abandoned farmstead and metal debris on the western portion of the Subject Property



Description

View of the abandoned farmstead and propane ASTs in the western portion of the Subject Property



Description

View of the underground coal access point facility on the eastern adjoining property

Appendix H

Resumes of Environmental Consultants

DRAFT

> Rebecca M. Powell

Operations Director | Due Diligence Practice Leader

Ms. Powell leads ECT's Due Diligence practice, overseeing and contributing to a dynamic team of environmental specialists, due diligence experts, and technical writers and coordinators. She has experience in 43 states with authority in Colorado, Illinois, Indiana, Michigan, and Texas.

Her team supports the due diligence needs of clients within the power & energy, legal, financial, industrial, and land development segments. Since 2011, her expertise has encompassed numerous elements of due diligence including Phase I ESA, Phase II ESA, subsurface investigation, desktop environmental review, and critical issues analysis. Working within multi-disciplinary project teams, Ms. Powell's focus providing the necessary information along the right timeline to inform large-scale property and real estate transactions, financing timelines and strategies, project feasibility, and early stage conceptual planning and design efforts.

EXPERIENCE

Renewable Energy Development

Ms. Powell routinely provides environmental due diligence expertise on utility-scale solar and wind projects, several of which include battery storage and transmission in the Midwest, Mid-Atlantic, and Central US. Ms. Powell also leads exposure pathway evaluations and continuing obligations assessments for numerous projects in several states each year. She is an expert at environmental risk mitigation strategies.

Brownfields Redevelopment

Throughout her career, Ms. Powell has held various technical positions interwoven with commercial and residential brownfields redevelopment projects, several with MSHDA or HUD funding. Prior to joining the private consulting industry, Ms. Powell was employed as a brownfields specialist for a Tribal government in northern Michigan. In this position, Ms. Powell was responsible for technical consultant oversight and report review, grant fund management, EPA and Tribal coordination, community outreach, and developing an inventory of potential brownfields sites. In her role at ECT, Ms. Powell advises renewable energy clients on the brownfields redevelopment process.

FEATURED SKILLS

The due diligence services Ms. Powell oversees include the following:

- Phase I & Phase II Environmental Site Assessments
- Due Care Evaluations
- Feasibility Studies
- Critical Issues Analyses
- Soil and Groundwater Management Plans
- Brownfields Comfort and Site Status Letters
- Site Remediation / Closure Program Coordination



EDUCATION

Graduate Studies on Sustainable
Environmental Planning and Natural
Resource Management
University of Connecticut
B.S., Hydrogeology
Central Michigan University

ASSOCIATIONS & CREDENTIALS

Women of Renewable Industries and
Sustainable Energy
American Institute of Professional
Geologists
National Association of Environmental
Professionals
40-hour OSHA HAZWOPER Certified
Environmental Professional (EP)

AREAS OF EXPERTISE

All Appropriate Inquiries
Landowner Liability Protections
ASTM E2247 & E1527
Environmental Sampling
Contamination Fate & Transport
Risk-Based Corrective Action
Remediation & Mitigation Programs

GEOGRAPHY OF WORK

AL, AR, AZ, CA, CO, CT, FL, GA, IA, ID, IL,
IN, KS, KY, LA, MA, ME, MD, MI, MS,
MO, MT, NC, NE, NJ, NM, NV, NY, ND,
OH, OK, ON, OR, PA, SC, SD, TN, TX,
UT, VA, WA, WI, WV, WY

> Nicole Rockentine, RG

Geologist

Ms. Rockentine has more than seven years of professional experience in the environmental consulting industry. She is a masters-level educated registered geologist specializing in site characterization, assessment, and remediation. She is also experienced in conducting due diligence environmental assessments on traditional commercial/industrial properties to wind and solar properties up to 150,000-acres. Ms. Rockentine has completed environmental investigations and assessments in over 20 states for regulatory programs and environmental due diligence.



PREVIOUS CAREER EXPERIENCE

Kennedy Jenks Consultants | Overland Park, KS

Performed various field activities including installation of monitoring wells, collection of soil and groundwater samples, recorded and prepared lithologic soil logs, delineated groundwater contaminants, remedial groundwater injections and soil excavation oversight. Assisted in developing and writing monitoring reports, conceptual site models, data gap reports, site characterizations, risk assessments, excavation reports, site closure reports. Conducted data management of long-term monitoring and remediation projects as well as prepared graphical and geographic representation of data for field work, work plans, and reports. Designed and implemented electronic and GIS based field collection forms to increase field efficiency. Execute primary duties independently and offer support and assistance to teammates while maintaining organizational, time management, and technical writing skills.

AEI Consultants | Overland Park, KS

Performed environmental assessments and investigations on residential, commercial, and industrial properties inclusive of wind farms, dry cleaners, gas stations, and manufacturing facilities, among others. Designed, proposed, and implemented more than 70 Phase II soil, groundwater, and soil gas investigations for a variety of suspected contaminants for due diligence and liability purposes across 18 states. Effectively managed all aspects of project completion, including coordinating and scheduling vendors/contractors, negotiating pricing, overseeing field work, sample collection, preparation of soil lithology logs and scaled figures, data interpretation, report writing and recommendations. Collaborated with team members to conduct well surveying, permanent monitoring well installation, and underground storage tank removal.

EDUCATION

M.A., Geology

Miami University

B.A., Geological Sciences

Albion College

CREDENTIALS

Registered Geologist-MO License No. 2020040770

40-Hour / 8-Hour HAZWOPER Certified

AREAS OF EXPERTISE

All Appropriate Inquiries

Landowner Liability Protections

ArcGIS and ESRI applications

ASTM E2247 & E1527

Environmental Sampling

Groundwater Monitoring

Risk-Based Corrective Action

Remediation & Mitigation Programs

Technical Reporting

DRAFT

> Jessica Phlips

Technical Writer

Ms. Phlips has ten years of professional experience working with non-profits and state and local governmental offices. Mrs. Phlips expertise includes project management and program development, crisis management, and providing investigative and administrative support to various agencies.

Since joining ECT in 2022, Ms. Phlips has supported the research and technical writing component of multiple Phase I Environmental Site Assessments, desktop environmental records reviews, and critical issues analysis.



PREVIOUS CAREER EXPERIENCE

Family Advocate

Ellis County Children's Advocacy Center | Waxahachie, TX

Coordinated crisis management and case management services. Supported investigations for Law Enforcement and Child Protective Services. Provided administrative support for program development. Coordinated and authored grant writing projects with executive management.

Qualified Mental Health Professional

Phillip R Taft Psy.D PLLC & Associates | Corsicana, TX and surrounding areas

Developed a mental health support program initiated in the county jail. Provided de-escalation, crisis management, and assessments for inmates. Created and managed a system designed to streamline billing and insurance coordination. Supported staff with assessments and report writing.

Unit Clerk | Mental Health Technician

Sante Center for Healing | Argyle, TX

Authored a statistical data analysis project for the Director of Nursing. Provided auditing and administrative support for the accreditation process. Maintained electronic medical records and staff scheduling. Provided crisis intervention and support.

EDUCATION

B.S., Sociology
Texas Woman's University

M.S., Criminal Justice
Aspen University

AREAS OF EXPERTISE

Project Management
Program Development
Crisis Management
Administrative Support
Investigative Support