

APPENDIX B – ENVIRONMENTAL OVERVIEW



**Environmental Overview-
Southeast Lexington Connectivity
Study**

KYTC Item No. 07-445

February 12, 2020

Prepared for:

Kentucky Transportation Cabinet
Division of Planning
200 Mero Street, 5th Floor
Frankfort, KY 40622

Prepared by:

Stantec Consulting Services, Inc.
Louisville, KY



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

This document entitled Environmental Overview-Southeast Lexington Connectivity Study was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of Kentucky Transportation Cabinet (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by *Lindsay Avilla*
(signature)

Lindsay Avilla

Reviewed by _____
(signature)

Josh Adams

Approved by _____
(signature)

Brian Aldridge



Table of Contents

EXECUTIVE SUMMARY I

ABBREVIATIONSIII

1.0 ENVIRONMENTAL OVERVIEW1.1

1.1 PROJECT DESCRIPTION1.1

1.2 RECORDS REVIEW1.1

2.0 REFERENCES.....2.1

LIST OF TABLES

Table 1 Environmental Resources/Features in Southeast Lexington Connectivity Study
Area, Fayette and Jessamine Counties, Kentucky1.2

LIST OF FIGURES

1. Site Overview
2. Water Resources
3. Farmland Classification of Soils
4. Human Environment Map
5. Geologic Map
6. Karst Potential Map

LIST OF ATTACHMENTS

1. Threatened and Endangered Species
 - a. USFWS IPaC Trust Resource Report
 - b. USFWS Map of Known Northern Long-eared Bat Habitat
 - c. USFWS Map of Known Indiana Bat Habitat
 - d. KDFWR State-Listed Species, Fayette and Jessamine Counties
 - e. KSNPC Natural Heritage Database Response (redacted)
 - f. KSNPC Map Database
2. Areas of Air Quality Concern in Kentucky
3. Cemetery Locations in Fayette and Jessamine Counties
4. Cultural and Archaeological Historic Resources
5. USDA Soil Resource Report
6. Water Resources
 - a. KDOW Water Health Assessment
 - b. 2016 Kentucky 305(b) list
 - c. EDR DataMap Well Search Report and Map
7. EDR Report (Provided in separate digital format due to size)



Executive Summary

This Environmental Overview (EO) has been prepared for the Southeast Lexington Connectivity Study for the Kentucky Transportation Cabinet (KYTC). The objective is to identify and examine transportation issues related to safety and congestion within the study area and to develop strategies to address these issues. The study will identify and evaluate potential improvement options to increase mobility and connectivity in southeast Fayette and northeast Jessamine Counties. The objective of this EO is to identify environmental resources of significance, potential jurisdictional features, and other environmental areas of concern that need to be considered in the development improvement project as developed by the Connectivity Study. Natural and human environmental resources within the study area were identified from secondary source information including available electronic databases, data files, and published data that may be publicly available or restricted to subject matter experts. Based on this information, key environmental features within the study area include:

Wetlands: There are 771 National Wetland Inventory (NWI) features mapped within the study area. Of those 771 features, 738 are classified as Riverine (299), Freshwater Pond (431), or Lake (2) and comprise a total of approximately 1,007 acres. The remaining 33 NWI wetlands within the study area are classified as Freshwater Emergent Wetlands (30) or Freshwater Forested/Shrub Wetlands (3) and comprise approximately 28.3 acres.

Threatened and Endangered Species: Five federally listed endangered species and one federally listed threatened species (Northern long-eared bat, *Myotis septentrionalis*) have the potential to occur within the study area. There is no known Indiana Bat (*Myotis sodalis*) habitat identified in the study area; however, this species and the Gray bat (*Myotis grisescens*) may have summer roost and foraging habitat in the study area. Two federally endangered plants, running buffalo clover (*Trifolium stoloniferum*) and Short's bladderpod (*Physaria globosa*) have the potential to occur in the project area. Running buffalo clover typically occurs in areas with periodic disturbance such as partially shaded woodlots, mowed areas, and along streams and trails. Short's bladderpod is associated with calcareous outcrops and occurs on rocky slopes near rivers or streams. The endangered sheepsnose mussel (*Plethobasus cyphus*) has the potential to occur within the study area, but this species is not known to occur in either Fayette or Jessamine county. The sheepsnose mussel may occur in habitats such as shallow areas in larger rivers and streams with moderate current that flows over sand and gravel.

Groundwater: 307 state water wells are found within the study area, most of which are listed as agricultural use, monitoring wells, remediation use, and domestic-single household use. There are 17 federal wells within the study area and four (4) public water supply systems.

Karst: 248 sinkholes are mapped underlying the study area, occurring throughout. There are 22 known caves identified in the study area.



Farmland: Approximately 75% of the soils in the study area are identified as Prime Farmland and Farmland of Statewide Importance. There are approximately 2483.26 acres of Purchase Development Rights (PDR) farmland located within the study area.

Hazardous Materials Concerns: The following features are a portion of the records identified in the database review: one (1) Comprehensive Environmental Response, Compensation and Liability Information System, No Further Remedial Action Planned (CERCLIS) (NFRAP) record, 49 Resource Conservation and Recovery Act (RCRA) Non-Generator records, three (3) RCRA generator records, 14 state hazardous waste sites (SHWS) records, five (5) solid waste/landfill facilities (SWF/LF), 56 underground storage tank (UST) records and 18 above ground storage tanks (AST) records, as well as, 3,699 KY Spills records.

Oil and Gas Wells: Four oil and gas wells are mapped within the study area, of which three are listed as dry and abandoned and one is terminated.

Cultural and Historic Resources: Based on the review of National Register of Historic Places (NRHP) there are twenty-four (24) historic places and two (2) historic districts (partially) located within the study area vicinity. The Kentucky Office of State Archaeology (OSA) preliminary records review indicated 53 previously recorded archaeological resources within the project area and its immediate vicinity.

Community Resources: Community resources and sensitive noise receptors in the study area include single family residential neighborhoods and houses, at least 14 houses of worship, approximately 22 cemeteries, six (6) schools, and five (5) parks. Four (4) public service facilities are located near the cities of Lexington and Nicholasville. Utility infrastructure in the study area includes two (2) pipeline crossings, two (2) electrical transmission corridors, and one (1) wastewater treatment plant.



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

Environmental Overview

Abbreviations

| | |
|---------|--|
| AQ | Aquatic Life |
| AST | Above Ground Storage Tanks |
| CERCLIS | Comprehensive Environmental Response, Compensation, and Liability Information System |
| EDR | Environmental Data Resources |
| EO | Environmental Overview |
| EPA | Environmental Protection Agency |
| FEMA | Federal Emergency Management Agency |
| IPaC | Information for Planning and Consultation |
| KDFWR | Kentucky Department of Fish and Wildlife Resources |
| KDOW | Kentucky Division of Water |
| KYTC | Kentucky Transportation Cabinet |
| LWCF | Land and Water Conservation Fund |
| NAAQS | National Ambient Air Quality Standards |
| NEPA | National Environmental Policy Act |
| NFHL | National Flood Hazard Layer |
| NFRAP | No Further Remedial Action Planned |
| NRCS | National Resources Conservation Service |
| NRHP | National Register of Historic Places |
| NS | Not Supporting |
| NWI | National Wetlands Inventory |
| OSA | Kentucky Office of State Archaeology |
| PCR | Primary Contact Recreation |
| PDR | Purchase Development Rights |
| PS | Partially Supporting |
| RCRA | Resource Conservation Recovery Act |



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

Environmental Overview

| | |
|--------|---|
| SHF/LF | Solid Waste Facilities and Landfill List |
| USDA | United States Department of Agriculture |
| USEPA | United States Environmental Protection Agency |
| USFWS | United States Fish and Wildlife Service |
| USGS | United States Geological Survey |
| UST | Underground Storage Tanks |



1.0 ENVIRONMENTAL OVERVIEW

Stantec Consulting Services has prepared this Environmental Overview (EO) as part of the Southeast Lexington Connectivity Study for the Kentucky Transportation Cabinet (KYTC). This overview identifies known natural and human features which occur within the study area that should be considered during the development and advancement of conceptual alternatives and avoidance or minimization of impacts.

1.1 PROJECT DESCRIPTION

The study area under review includes a project area of 61.62 square miles that spans across southeastern Fayette County and northeastern Jessamine County, Kentucky (**Figure 1**). The objective is to identify and examine transportation issues related to safety and congestion within the study area and to develop strategies to address these issues. The study will identify and evaluate potential improvement options to increase mobility and connectivity in southeast Fayette and northeast Jessamine Counties.

1.2 RECORDS REVIEW

A review of agency databases and secondary sources was conducted to document known environmental resources including, but not limited to:

- Ecological resources:
 - United States Geological Survey (USGS) streams
 - Threatened and endangered species
- FEMA National Flood Hazard Layer (NFHL) Data and National Wetland Inventory (NWI) wetlands (**Figure 2**)
- Land use (**Figure 3**)
- Cultural, historic, and archaeological resources (**Figure 4**)
- Water wells (**Figure 5**)
- Hazardous materials records
- Air quality and noise issues
- Geologic and karst features (**Figures 5 and 6**)

Table 1 below provides a summary of the features that were identified within the study area. Project location and aerial features are identified in **Figure 1**. This information provides an overview of resources of significance within the study area as well as other environmental issues of potential concern. More



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

Environmental Overview

detailed environmental studies may be required as individual actions are further developed in accordance with the National Environmental Policy Act (NEPA).

Table 1 Environmental Resources/Features in Southeast Lexington Connectivity Study Area, Fayette and Jessamine Counties, Kentucky

| Environmental Category | Resource/Feature | Source/Information |
|------------------------|--|---|
| USGS Streams | <p>There are eleven (11) USGS named streams (Hickman Creek, West Hickman Creek, East Hickman Creek, Marshall Branch, Shelby Branch, Elk Lick Creek, Raven Run, Boggs Fork, Town Fork, Wymers Branch, and Marble Fork) and 654 unnamed stream resources mapped within the study area (most are stream segments).</p> <p>Water Health Status for the following creeks have been designated by Kentucky Division of Water (KDOW):</p> <ul style="list-style-type: none"> • <u>West Hickman Creek- Miles 0.0 to 3.1</u>- partially supporting (PS) aquatic life (AQ) and primary contact recreation (PCR). <u>Miles 3.1 to 8.4</u>- PS AQ and Not supporting (NS) for PCR. • <u>East Hickman Creek, 0.0 to 4.2</u>- NS PCR. <u>Miles 4.2 to 10.55</u>- PS AQ and NS PCR. • <u>Hickman Creek, 6.0-25.5</u>- PS AQ and NS PCR. • <u>Shelby Branch</u>- NS PCR. • <u>Marble Creek</u>- PS AQ. <p>Watersheds in the study area are in the Lexington HUC-8: 05100205. The study area does not contain any "Special Waters" as defined by KDOW.</p> | <p>Source: KDOW Special Waters tables, KDOW 305(b) and 303(d) tables (2016), USFWS NWI, USGS National Map, KY Water Health Portal</p> |
| Other Streams | <p>Additional surface streams are likely present in the study area, mainly consisting of small, headwater streams or springs and roadside drainage features not indicated on traditional mapping.</p> | <p>Source: USGS maps, ESRI topo maps</p> |
| Wetlands | <p>There are 771 National Wetland Inventory (NWI) features mapped within the study area. Of those 771 features, 738 are classified as Riverine (299), Freshwater Pond (431), or Lake (2) comprising a total of approximately 1,007.4 acres. The remaining 33 NWI wetlands within the study area are classified as Freshwater Emergent Wetlands (30) or Freshwater Forested/Shrub Wetlands (3) and comprise approximately 28.3 acres.</p> <p>There are 2 lakes within the study area, Lake Mingo in Nicholasville and Lexington Reservoir Number 4 is partially in the northeast corner of the study area.</p> | <p>Source: USFWS NWI, USGS National Map</p> |
| Ponds | <p>The NWI dataset indicates there are 437 freshwater pond resources in the study area. Several are likely to be intermittent, occurring in sinkhole depressions, or not expected to hold water permanently.</p> | <p>Source: USFWS NWI, USGS National Map</p> |



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

Environmental Overview

| | | |
|----------------------------------|---|--|
| <p>USWFS Species List</p> | <p>The United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) resource list indicated the following six species were of concern for the study area:</p> <ul style="list-style-type: none"> • Northern long-eared bat (<i>Myotis septentrionalis</i>)-Threatened • Gray bat (<i>Myotis grisescens</i>)-Endangered • Indiana bat (<i>Myotis sodalis</i>)- Endangered • Sheepnose mussel (<i>Plethobasus cyphus</i>)-Endangered • Running buffalo cover (<i>Trifolium stoloniferum</i>)-Endangered • Short’s bladderpod (<i>Physaria globosa</i>)- Endangered | <p>Source: USWS IPaC Trust Resource Report (2020), USFWS Kentucky Ecological Field Office (2019)</p> |
| <p>KDFWR Species List</p> | <p>Kentucky Department of Fish and Wildlife Resources (KDFWR) lists 24 additional State Threatened, Endangered, and Special Concern Species as occurring (either recently or historically) in both Fayette County and Jessamine County. These include:</p> <ul style="list-style-type: none"> • 8 state endangered species (6 birds, 2 bats) • 7 state threatened species (6 birds, 1 bat) • 9 state concern species (7 birds, 1 mammal, 1 amphibian) <p>KDFWR lists 11 additional species as occurring (either recently or historically) in Fayette County. These include:</p> <ul style="list-style-type: none"> • 2 state endangered species (1 bird, 1 insect) • 2 state threatened species (2 birds) • 7 state special concern species (4 birds, 1 mammal, 2 insect) <p>Additionally, KDFWR lists 12 additional species as occurring (either recently or historically) in Jessamine County. These include:</p> <ul style="list-style-type: none"> • 3 state endangered species (2 birds, 1 amphibian) • 5 state threatened species (2 birds, 1 mussel, 1 insect, 1 mammal) • 4 state special concern species (2 birds, 1 mammal, 1 insect) <p>Please refer to Attachment 1 for more information regarding species data.</p> | <p>Source: KDFWR – Species List for Fayette and Jessamine Counties (2020)</p> |



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

Environmental Overview

| | | |
|--------------------------------------|--|--|
| <p>KSNPC Species Database</p> | <p>The Kentucky State Nature Preserves Commission (KSNPC) provided 39 records including 28 species for which species occurrence records have been noted either in or within one mile of the study area.</p> <p>There are 3 federal species of management concern (Henslow’s Sparrow (<i>Centronyx henslowii</i>), Loggerhead Shrike (<i>Lanius ludovicianus</i>), and White Walnut (<i>Juglans cinerea</i>)), and 4 federal listed endangered species (American Burying Beetle (<i>Nicrophorus americanus</i>) (believed to be extirpated), Globe Bladderpod (<i>Physaria globosa</i>), Gray Bat (<i>Myotis grisescens</i>), and Running Buffalo Clover (<i>Trifolium stoloniferum</i>)) records within one mile of the study area.</p> <p>KSNPC staff Ecologist commented on the study area, “Your project area involves a section of the Kentucky River Palisades, biologically the most significant section of the Bluegrass region. Any project within this area has the potential of impacting rare species and communities. As this project moves forward and location specific activities are identified we recommend thorough surveys by qualified biologists for the species included within the attached report, in order to avoid impact of potential additional occurrences.”</p> <p>KSNPC listed the following areas of concern within 1-mile of the study area:</p> <ul style="list-style-type: none"> • 1 critical habitat (Boone Creek) • 8 managed areas • 4 areas of significant biodiversity (Boone Creek, Floracliff Nature Sanctuary, Raven Run Nature Sanctuary, and YMCA Camp Cave) • 1 historical bat habitat (<i>M. septentrionalis</i>) <p>The KSNPC Natural Heritage Database report summarizes the existing information known to the program at the time of the request for the study area provided. These biological elements or locations in question should not be regarded as final statements nor should they be substituted for on-site surveys required for environmental assessments. Due to the sensitive nature of this data, the specific species locations have been redacted.</p> | <p>Source: KSNPC Natural Heritage Database response (January 17, 2020)</p> |
| <p>Groundwater</p> | <p>307 state water wells occur within the study area, most of which are listed as agricultural use, monitoring wells, remediation use, and domestic-single household use. There are 17 federal wells within the study area and 4 public water supply systems. There are no wellhead protection areas occurring in the study area.</p> | <p>Source: Kentucky Watershed Viewer (2020), EDR DataMap Well Search Report (January 17, 2020)</p> |



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

Environmental Overview

| | | |
|---------------------------|---|---|
| <p>Karst Areas</p> | <p>The majority of the study area is underlain by limestone bedrock with major karst areas. Approximately 248 sinkholes are mapped in the study area, which are spread throughout.</p> <p>KYTC has a karst policy for use of specific drainage designs (grass swales and detention/containment basins) in roadway construction and improvement projects.</p> <p>Twenty-two caves are known within one mile of the study area. Due to the sensitive nature of this resource, location information was not provided by KSNPC.</p> | <p>Source: Karst Occurrence in Kentucky map (Paylor and Currens 2002), KSNPC database response (January 17, 2020)</p> |
| <p>Floodplain</p> | <p>FEMA 100-Year floodplain occurs along Hickman Creek, including East Hickman Creek, West Hickman Creek, Shelby Branch, and along their tributaries. Small sections of Marble Creek, Boggs Fork, Town Fork, and Elk Lick Creek also have FEMA 100-Year floodplains.</p> | <p>Source: FEMA NFHL (2017)</p> |
| <p>Floodway</p> | <p>FEMA designated floodway occurs along Town Fork, West Hickman Creek and East Hickman Creek throughout their reaches.</p> | <p>Source: FEMA NFHL (2017)</p> |
| <p>Farmlands</p> | <p>Approximately 77.67% of the soils in the study area are identified as Prime Farmland (40.07%), Farmland of Statewide Importance (35.26%), and Prime Farmland if drained, or protected from flooding (2.34%).</p> <p>There are approximately 2483.26 acres of PDR farmland located within the study area of Fayette County.</p> <p>Please refer to Attachment 5 for the full USDA NRCS Soil Survey Report.</p> | <p>Source: NRCS Web Soil Survey Map Data (2020), ArcGIS Hub PDR Properties (2019)</p> |



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

Environmental Overview

| | | |
|-----------------------------------|--|--|
| <p>Hazardous Materials</p> | <p>The EDR report provided 4,511 database records within and surrounding the study area. Of which, the majority of these database records consisted of 3,699 KY spills.</p> <p>Additionally, the following features are a portion of the records that were identified in the database search:</p> <ul style="list-style-type: none"> • 1 CERCLIS NFRAP record- (Benge Dump, US 25 & McCalls Mill Rd) Superfund site with No Further Remedial Action Planned • 49 RCRA Non-Generator records • 3 RCRA generator records • 14 state hazardous waste sites (SHWS) records • 5 solid waste/landfill facilities (SWF/LF) • 56 UST records and 18 AST records <p>Two historic landfills are located in the study area, including M & M Transfer Station and Lee Used Tires Inc.</p> <p>Potential hazardous materials concerns are associated throughout the study area, concentrated around the western study area border, and along main roadways.</p> <p>For additional information on specific hazardous materials concerns in and around the surrounding study area, please reference the full EDR report (provided separately).</p> | <p>Source: Environmental Data Resources Area/Corridor Report (EDR 2020)</p> |
| <p>Oil and Gas Wells</p> | <p>4 oil/gas wells are mapped within the study area, of which 3 are listed as dry and abandoned and one is terminated. There are no reported active wells currently in the study area.</p> | <p>Source: EDR DataMap Well Search Report (January 17, 2020)</p> |
| <p>Section 4(f)</p> | <p>There are 2 nature sanctuaries within the southeastern portion of the study area (Floracliff and Raven Run) as well as multiple public parks located in the study area including Lake Mingo/Corman Park), Jacobson Park, Clint Hayden Park and John Preece Park.</p> <p>There are no Wildlife Management Areas or Federal Public Lands in Fayette County or Jessamine County.</p> | <p>Source: KDFWR (2020), Lexington Parks dataset (2020), Google Earth Pro Maps, ESRI topo maps</p> |
| <p>Section 6(f)</p> | <p>Based on Land and Water Conservation Fund (LWCF) records, multiple LWCF properties are present in the study area in and around Fayette and Jessamine Counties, including Raven Run Nature Sanctuary, Jacobson Park, and Nicholasville/Jessamine County Parks.</p> | <p>Source: The Wilderness Society LWCF Federal and State Funding Map Data (2014)</p> |
| <p>Air Quality</p> | <p>The study area is not located in a Non-attainment Area for 8-hour ozone (2015 standard) or a Maintenance area for PM 2.5 (2012 standard) for transportation-related criteria pollutants for which the EPA has established National Ambient Air Quality Standards (NAAQS). 11 USEPA air emissions facilities are located within the study area. These facilities are spread across the study area with the majority being located near urban areas.</p> | <p>Source: KYTC Air Quality Maps (2015), USEPA Green Book (2015), USEPA Envirofacts (2018)</p> |



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

Environmental Overview

| | | |
|-------------------------------------|--|---|
| <p>Noise</p> | <p>Noise sensitive land use areas are located throughout the study area (Activity Categories “B”, “C”, “D”, and “E”), including residential neighborhoods, cemeteries, places of worship, schools, hotels, and restaurants with exterior uses.</p> <p>Approximately 20% of the study area is urbanized, about two thirds of which includes moderate density residential housing (single-family home developments).</p> | <p>Source: KYTC Noise Policy (2015)</p> |
| <p>Cultural- Archaeology</p> | <p>The Kentucky Office of State Archaeology (OSA) preliminary records review indicated 53 previously recorded archaeological resources within the project area and its immediate vicinity. Due to the sensitive nature of this information, specific site locations were not provided.</p> | <p>Source: KY OSA report (2020)</p> |
| <p>Cultural- Historic</p> | <p>Based on the review of National Register of Historic Places (NRHP) there are twenty-four (24) historic places located in or partially within the study area. These include:</p> <ul style="list-style-type: none"> • 2 Historic Districts <ul style="list-style-type: none"> ○ Boone Creek Rural Historic District ○ Nicholasville Historic District • 2 sites have restricted addresses and locations could not be confirmed <p>There are 223 contributing resources within the 2 historic districts.</p> <p>Please refer to Attachment 4 and Figure 4 for more information regarding NRHP sites.</p> | <p>Source: National Register of Historic Places Map (2020)</p> |
| <p>Houses of Worship</p> | <p>At least 14 houses of worship (church, mosque, synagogue, etc.) were identified in the study area from current mapping resources.</p> | <p>Source: Google Earth Pro Maps, ESRI topo maps</p> |
| <p>Schools</p> | <p>At least 6 school facilities were identified in the study area, including East Jessamine High School and several other elementary and middle schools, with a concentration near Nicholasville.</p> | <p>Source: Google Earth Pro Maps, ESRI topo maps, Fayette County School GIS layer</p> |
| <p>Cemeteries</p> | <p>There are at least 22 cemeteries identified in the study area. There may be additional private, or family cemeteries present in the study area that have not been previously mapped or located. A list of additional cemeteries that are suspected to be in the project area can be found in Attachment 3.</p> | <p>Source: KY Historical Society (2008), Google Earth Pro Maps, ESRI topo maps</p> |



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

Environmental Overview

| | | |
|---|--|--|
| <p>Public Services</p> | <p>There are multiple public service facilities in the project study area, including:</p> <ul style="list-style-type: none"> • US Post Office • Detention Center • Health Department • Nicholasville Police Department <p>Utilities:</p> <ul style="list-style-type: none"> • 2 pipeline crossings, one along I-75 and one roughly bounding the Lexington City Limits • 2 electrical transmission line corridors, one from the northwest corner going southeast diagonally across the study area, and the other connecting Nicholasville and the northeast corner of the study area. • 1 Wastewater Treatment Plant | <p>Source: U.S. Department of Homeland Security Infrastructure data (2020). Google Earth Pro Maps, National Pipeline Mapping Systems Public Viewer</p> |
| <p>Residences and Businesses</p> | <p>Residential land use comprises approximately 15% of the study area, predominately as single-family residential dwellings with adjoining pasture or farmland and some single-family residential developments.</p> <p>Commercial and Industrial land use comprises approximately 10% of the study area and includes portions of Nicholasville and Lexington, primarily in the west and southwest of the study area.</p> | <p>Source: Google Earth Pro Maps, ESRI topo maps</p> |



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

References

2.0 REFERENCES

- EDR. *EDR Area/Corridor Report*, Inquiry Number: 5939521.2s. January 17, 2020.
- EDR. *EDR DataMap Well Search Report*, Inquiry Number: 5939521.2w. January 17, 2020.
- ESRI. *USA Parks*. Accessed January 22, 2020.
<https://www.arcgis.com/home/item.html?id=578968f975774d3fab79fe56c8c90941>
- ESRI. *PDR Properties*. Accessed February 12, 2020.
http://hub.arcgis.com/datasets/be436f40d2b546cfbba48cc41adfa60_1
- FEMA. *Flood Map Service Center*. Accessed January 22, 2020.
<https://msc.fema.gov/portal/advanceSearch#searchresultsanchor>
- Homeland Infrastructure Foundation-Level Data (HIFLD). *Electric Power Transmission Lines Map*. Accessed January 22, 2020. <https://hifld-geoplatform.opendata.arcgis.com/datasets/electric-power-transmission-lines?geometry=96.872%2C10.443%2C71.384%2C58.239>
- Lexington-Fayette Urban County Government. *Fayette County Public Schools*. Accessed January 23, 2020. <https://data.lexingtonky.gov/dataset>
- Kentucky Department of Fish and Wildlife Recourses (KDFWR). *Species Information: State Threatened, Endangered, and Special Concern Species Observations for Fayette and Jessamine Counties, Kentucky*. Accessed January 22, 2020. <http://app.fw.ky.gov/speciesinfo/speciesinfo.asp>,
- Kentucky Office of State Archaeology. 2020. *Preliminary Records Review for Transportation Issue Analysis, Fayette and Jessamine Counties*. University of Kentucky.
- Kentucky Department of Environmental Protection (KYDEP). *2016 Integrated Reports for 303(d) and 305(b)*. Accessed January 24, 2020. <https://eec.ky.gov/Environmental-Protection/Water/Monitor/Pages/IntegratedReportDownload.aspx>
- Kentucky EEC Division of Water (KDOW). *Kentucky's Special Waters*. Accessed January 24, 2020
<http://eppcapp.ky.gov/spwaters/>
- KDOW. *Kentucky Water Health Portal*. Accessed January 24, 2020
<https://watermaps.ky.gov/WaterHealthPortal/>
- Kentucky Geological Survey (KGS) *Oil and Gas Records data base*. Accessed January 29, 2020.
<https://kgs.uky.edu/kygeode/services/oilgas/>
- Kentucky Historical Society. *Cemeteries in Kentucky Database*. 2008. Accessed January 27, 2020.
<http://www.kyhistory.com/cdm/ref/collection/LIB/id/493>



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

References

- Kentucky Transportation Cabinet (KYTC). 2015. *Noise Analysis and Abatement Policy*. Effective July 1, 2015. <https://transportation.ky.gov/EnvironmentalAnalysis/Environmental%20Resources/2015%20KYTC%20Noise%20Analysis%20and%20Abatement%20Policy.pdf>.
- KYTC. 2019. *Areas of Air Quality Concern in KY Map*. Dated March 2019. Available from KYTC Website: <https://transportation.ky.gov/Planning/Pages/Air-Quality.aspx>.
- Kentucky Watershed Viewer. Accessed February 4, 2020. <https://epccgis.ky.gov/watershed/>
- National Pipeline Mapping System (NPMS). *Public Viewer Map of Fayette and Jessamine Counties, Kentucky*. Accessed January 22, 2020. <https://pvnpm.phmsa.dot.gov/PublicViewer/>. U.S. Department of Transportation. Washington, D.C.
- National Parks Service, National Register of Historic Places (NRHP) *National Register of Historic Places Map*. Accessed January 22, 2020. <https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466>
- National Park Service, NRHP. Accessed January 22, 2020. <https://npgallery.nps.gov/NRHP/BasicSearch/>
- Paylor, Randall I and James C Currens. 2002. *Karst Occurrences in Kentucky*. Map 1:500,000 scale. Kentucky Geological Survey, University of Kentucky. Lexington, Kentucky.
- United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS). Accessed January 23, 2020. *Web Soil Survey Data Map*. <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>
- United States Environmental Protection Agency (USEPA). *Green Book: Currently Designated Nonattainment Areas, Kentucky*. Accessed January 21, 2020. <https://www.epa.gov/green-book>.
- United States Environmental Protection Agency (USEPA). *EnviroMapper for Envirofacts*. Accessed January 21, 2020. <https://enviro.epa.gov/>
- United States Fish and Wildlife Service (USFWS). *IPaC Information for Planning and Conservation*. Accessed January 20, 2020. Website: <https://ecos.fws.gov/ipac/>
- USFWS. *National Wetlands Inventory (NWI)*. <https://www.fws.gov/wetlands/>
- USDA, NRCS. (2020). *Custom Soil Resource Report for Fayette County Area, Part of Fayette County, Kentucky; and Jessamine and Woodford Counties, Kentucky*. January 23, 2020.
- USFWS Kentucky Ecological Field Office. *Known northern long-eared bat habitat in Kentucky and within 20 miles*. August 2019. https://www.fws.gov/frankfort/pdf/MYSE_Habitat_Map.pdf
- USFWS Kentucky Ecological Field Office. *Known Indiana bat habitat in Kentucky and within 20 miles*. August 2019. https://www.fws.gov/frankfort/pdf/MYSO_Habitat_Map.pdf
- USFWS Midwest Region Endangered Species. *Running buffalo clover fact sheet*. Accessed January 30, 2020. <https://www.fws.gov/midwest/endangered/plants/pdf/rbc-fctsht.pdf>.



ENVIRONMENTAL OVERVIEW-SOUTHEAST LEXINGTON CONNECTIVITY STUDY

References

USFWS Midwest Region Endangered Species. *Short's bladderpod*. Accessed January 30, 2020. <https://www.fws.gov/midwest/endangered/plants/shortsbladderpod/index.html>.

USGS National Map Viewer. Accessed January 24, 2020. <http://prd-tnm.s3-website-us-west-2.amazonaws.com/?prefix=StagedProducts/Hydrography/NHD/HU8/HighResolution/Shape/>

The Wilderness Society. *LWCF Federal and State Funding Map Data*. 2014. Accessed February 4, 2020. <https://www.wilderness.org/articles/article/mapping-land-and-water-conservation-fund-lwcf>

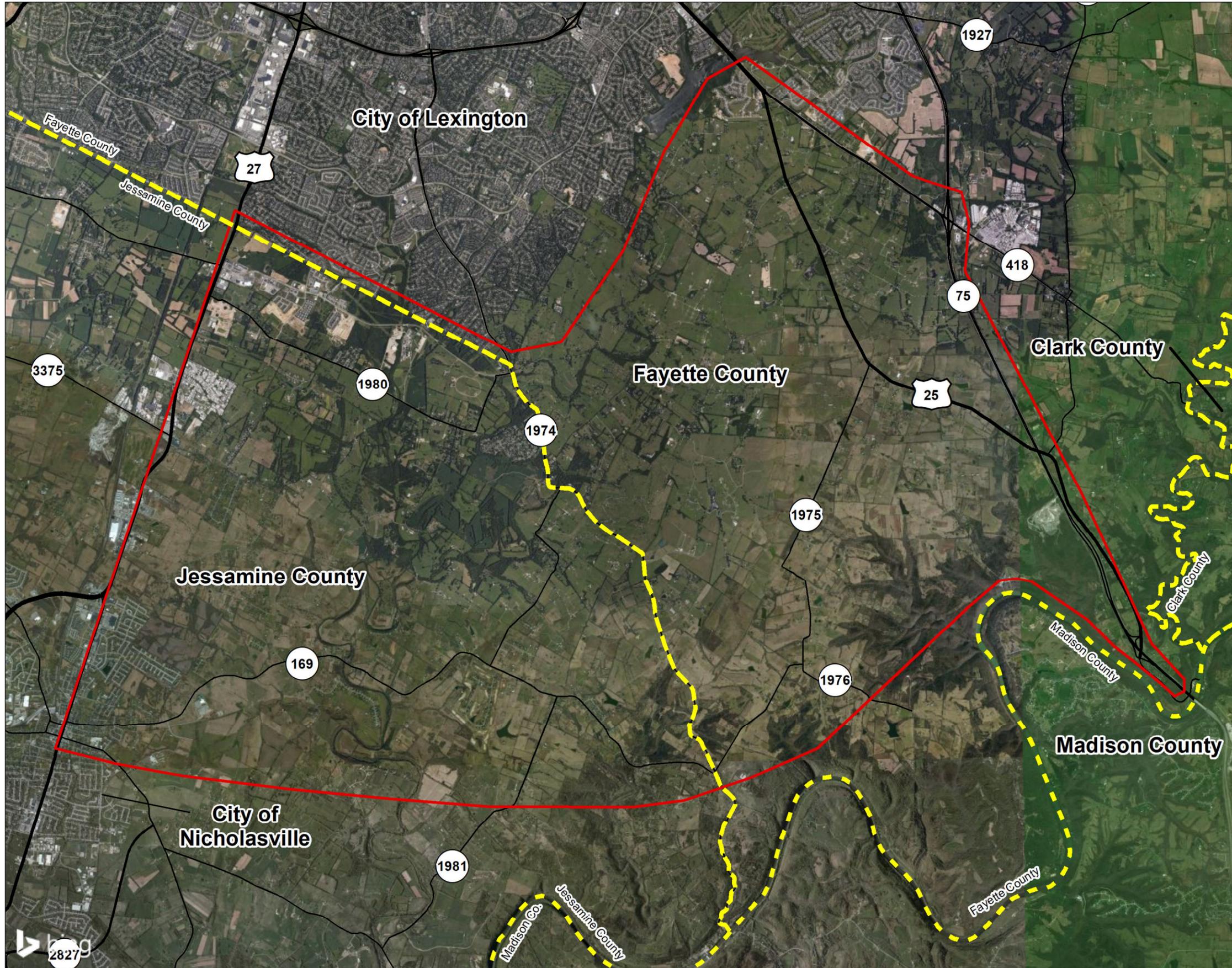


Figures

FIGURES

- 1. Overview Map**
- 2. Water Resources**
- 3. Farmland Classification of Soils**
- 4. Human Environment**
- 5. Geologic Map**
- 6. Karst Potential Map**

\\us0269-pp16501\workgroup\1785\active\178558003\gis\mxd\Lexington_Environmental_Overview\EC_Overview.mxd Revised: 2020-02-06 By: mdegner



- Legend
- County Boundaries
 - Study Area
 - Secondary Road
 - Primary Road



0 4,700 9,400 Feet
 (At original document size of 11x17)
 1:72,000

- Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky FIPS 1600 Feet
 2. Data Sources: Bing Imagery, FEMA National Flood Hazard Layers (2017), and KYTC Road Centerlines.
 3. Background: © 2020 Microsoft Corporation © 2019 DigitalGlobe ©CNES (2019) Distribution Airbus DS



Project Location
 Fayette and Jessamine Counties, Kentucky

Prepared by SMH on 2/6/2020
 TR by ABC on 2/6/2020
 IR Review by ABC on 2/6/2020

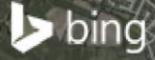
Client/Project
 Kentucky Transportation Cabinet
 Environmental Overview-SE
 Lexington Connectivity Study

178558003

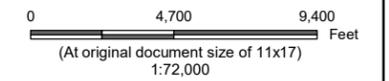
Figure No.
 1

Title
 Site Overview

\\us0269-pp16501\workgroup\1785\active\178558003\gis\mxd\Lexington_Environmental_Overview\EO_LandUse.mxd Revised: 2020-02-06 By: mdegner



- Legend
- Prime Farmland (40.07%)
 - Farmland of Statewide Importance (35.26%)
 - Not Prime Farmland (22.33%)
 - Prime Farmland if Drained (2.34%)
 - Study Area



- Notes
1. Coordinate System: NAD 1983 StatePlane Kentucky FIPS 1600 Feet
 2. Data Sources: Bing Imagery and USDA 2020
 3. Background: © 2020 Microsoft Corporation © 2019 DigitalGlobe ©CNES (2019) Distribution Airbus DS



Project Location
Fayette and Jessamine Counties, Kentucky

Prepared by SMH on 2/6/2020
TR by ABC on 2/6/2020
IR Review by ABC on 2/6/2020

Client/Project
Kentucky Transportation Cabinet
Southeast Lexington Connectivity Study
Item No. 07-445

178558003

Figure No.
3

Title
Farmland Classification of Soils

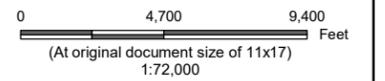
\\us0269-pp16501\work\group171785\active\178558003\gis\mxd\Lexington_Environmental_Overview\EC_HumanEnvironment.mxd Revised: 2020-02-06 By: mdegnier



Legend

Type

- Cemetery
- Historical or Cultural Site
- Place of Worship
- School
- Nature Sanctuary
- Local Park
- Study Area
- Approximate Location of Gas Transmission Pipelines
- Approximate Location of Hazardous Liquid Pipelines
- Approximate Electric Power Transmission Lines



Notes

1. Coordinate System: NAD 1983 StatePlane Kentucky FIPS 1600 Feet
2. Data Sources: Bing Imagery, ESRI Parks (2018), ESRI Basemap (2020), and Fayette Co Government (2019)
3. Background: © 2020 Microsoft Corporation © 2019 DigitalGlobe ©CNES (2019) Distribution Airbus DS



Project Location
Fayette and Jessamine
Counties, Kentucky

Prepared by SMH on 2/6/2020
TR by ABC on 2/6/2020
IR Review by ABC on 2/6/2020

Client/Project
Kentucky Transportation Cabinet
Southwest Lexington Connectivity Study
Item No. 07-445

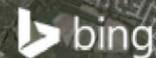
178558003

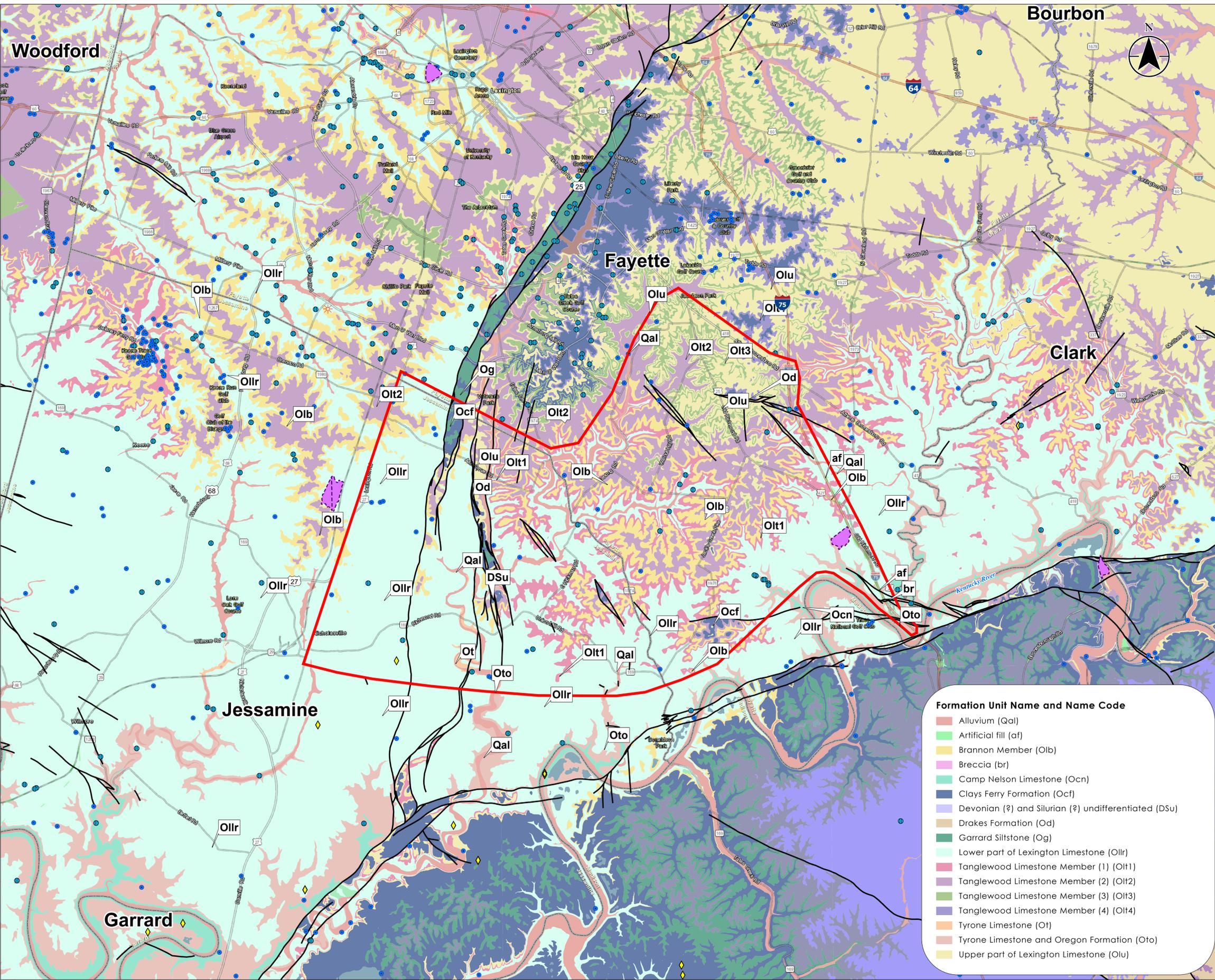
Figure No.

4

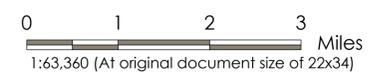
Title

Human Environment





- Legend**
- Groundwater Well
 - ◆ Dry and Abandoned Well
 - ★ Gas Well
 - Other Well
 - Springs
 - Fault
 - ▭ County Boundaries
 - Quarries
 - ▭ Focus Area



- Notes**
1. Coordinate System: NAD 1983 StatePlane Kentucky FIPS 1600 Feet
 2. Basemap World Hybrid Overlay: Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community
World Street Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
 3. Data Sources: Springs and Groundwater Wells Courtesy of Kentucky Division of Water (KDOW). Quarries, Oil and Gas Wells, Faults, and Geologic Areas Courtesy of Kentucky



Formation Unit Name and Name Code

| |
|--|
| Alluvium (Qal) |
| Artificial fill (af) |
| Brannon Member (Olb) |
| Breccia (br) |
| Camp Nelson Limestone (Ocn) |
| Clays Ferry Formation (Ocf) |
| Devonian (?) and Silurian (?) undifferentiated (DSu) |
| Drakes Formation (Od) |
| Garrard Siltstone (Og) |
| Lower part of Lexington Limestone (Ollr) |
| Tanglewood Limestone Member (1) (Olt1) |
| Tanglewood Limestone Member (2) (Olt2) |
| Tanglewood Limestone Member (3) (Olt3) |
| Tanglewood Limestone Member (4) (Olt4) |
| Tyrone Limestone (Ot) |
| Tyrone Limestone and Oregon Formation (Oto) |
| Upper part of Lexington Limestone (Olu) |

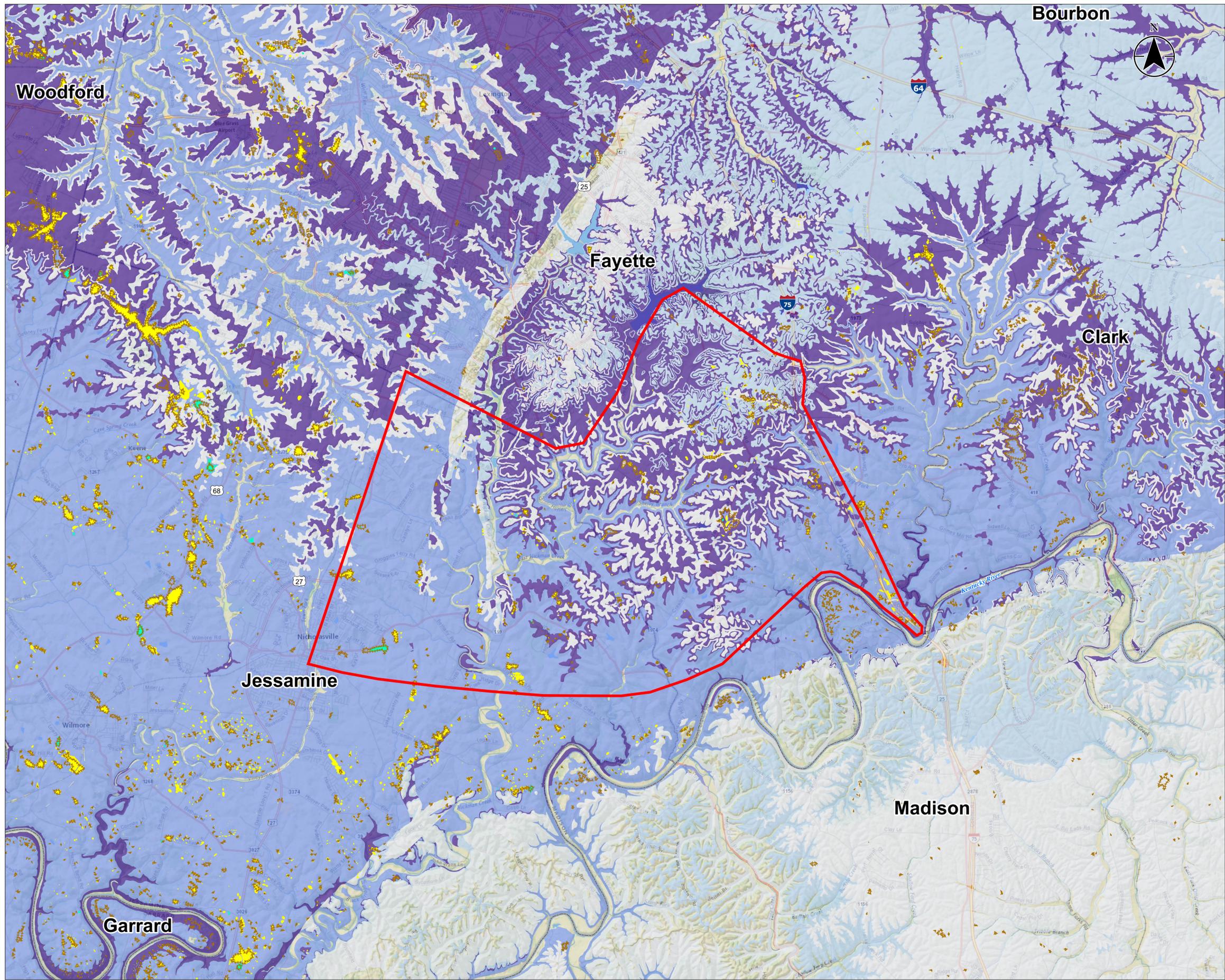
Project Location: Fayette and Jessamine Counties, Kentucky
 178558003
 Prepared by WSW on 2020-01-07
 Technical Review by DB on 2020-01-07
 Independent Review by XXX on 2020-01-07

Client/Project: Fayette and Jessamine Counties
 Southeast Lexington Connectivity Study
 Item #7-445.00

Figure No.: **5**

Title: **Southeast Lexington Connectivity Study
 Geologic Map**

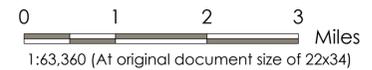
V:\178558003\active\178558003\gis\mxd\SE LexingtonConnectivityStudy_GeotechnicalOverview\SE LexingtonConnectivityStudy_GeotechnicalOverview.aprx Revised: 2020-01-07 By: SWhitley



Legend

- Focus Area
- County Boundaries
- Sinkhole⁴
- LIDAR-Derived Sinkholes⁵**
- Not Field Verified
- Field Verified
- Karst Potential**
- Very High
- High
- Medium
- Low

Note: Unshaded areas represent non-karst regions



Notes

1. Coordinate System: NAD 1983 StatePlane Kentucky FIPS 1600 Feet
2. Basemap National Geographic World Map: National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, increment P Corp. World Street Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community
3. Karst potential was determined by KGS staff for each formation by a weighted matrix of lithologic characteristics determined for each unit: grain size, bedding thickness, %CaCO₃, and % insoluble rock and minerals. The last (% insoluble rock and minerals) being weighted the most. Please note, this is unpublished and still a work in-progress. Polygons digitized from the 1:24,000 Geologic Map Series maps (original maps published by Kentucky Geological Survey - U.S. Geological Survey from 1960 to 1980).
4. These data represent digital GIS sinkhole coverage for all of Kentucky. Digitization was done onscreen using digital raster graphic files of the 7 1/2 minute topographic contours, registered and projected to the Kentucky State Plane coordinate system. The highest elevation, closed, topographic contour of each mapped sinkhole was digitized as a GIS polygon. The second highest elevation contour was also digitized where very large, shallow, karst valleys were so expansive that the area covered by the polygon obscured patterns in sinkhole distribution. The spacing of contour intervals on the topographic maps of the state vary in from 40 foot to 10 foot. No attempt was made to use a constant elevation, standardize the outline to a uniform contour interval, or record the elevation of the digitized contour.
5. The sinkhole maps are derived from LIDAR data using ArcGIS versions 10.1 and higher. LIDAR data were used to create digital elevation model (DEMs). Surface depressions were then extracted from the DEMs and visually inspected for sinkholes. Field verification suggests that the accuracy of the identified sinkholes to be real sinkholes is over 85%. LIDAR data were provided by the Louisville/Jefferson County Information Consortium (LOJIC) through Kentucky Division of Geographic Information. The LIDAR was flown in August, 2009 and the average point spacing is 1.0 meter. DEMs were created using LAS Class 2 surface with 5 feet resolution. Each sinkhole is presented as a polygon feature. It



Project Location: Fayette and Jessamine Counties, Kentucky
 178558003
 Prepared by WSW on 2020-01-07
 Technical Review by DB on 2020-01-07
 Independent Review by XXX on 2020-01-07

Client/Project: Fayette and Jessamine Counties
 Southeast Lexington Connectivity Study
 Item #7-445.00

Figure No.: **6**

Title: **Southeast Lexington Connectivity Study
 Karst Potential Map**

V:\17855\active\178558003\gis\mxd\SE LexingtonConnectivityStudy_GeotechnicalOverview\SE LexingtonConnectivityStudy_GeotechnicalOverview.aprx Revised: 2020-01-07 By: S.Wheatley

ATTACHMENTS

- 1. Threatened and Endangered Species**
- 2. Areas of Air Quality Concern in Kentucky**
- 3. Cemetery Locations in Fayette and Jessamine Counties**
- 4. Cultural and Archaeological Historic Resources**
- 5. USDA Soil Resource Report**
- 6. Water Resources**
- 7. EDR Report (Provided in separate digital format due to size)**



ATTACHMENT 1

Threatened and Endangered Species

- a. USFWS IPaC Trust Resource Report
- b. USFWS Map of Known Northern Long-eared Bat Habitat
- c. USFWS Map of Known Indiana Bat Habitat
- d. KDFWR State-Listed Species, Fayette and Jessamine Counties
- e. KSNPC Natural Heritage Database Response (redacted)
- f. KSNPC Map Database



General Project Design Guidelines (4 Species)

Generated January 23, 2020 11:37 AM MST, IPaC v unspecified

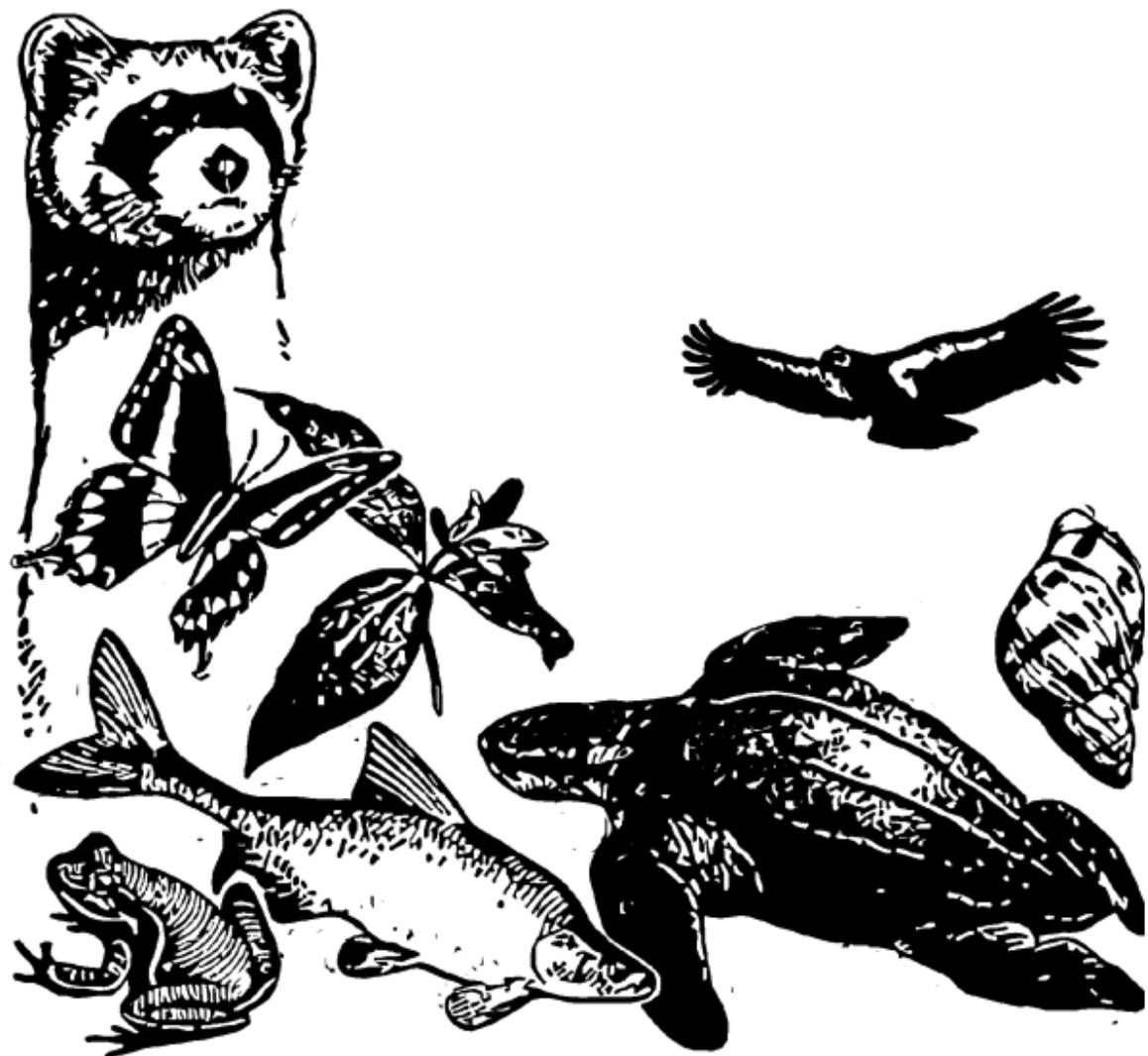


Table of Contents

| | |
|---|-------------------|
| Species Document Availability | 1 |
| Gray Bat and 2 more species - Kentucky Ecological Services Field Office | 2 |
| Sheepnose Mussel - Kentucky Ecological Services Field Office | 6 |

Species Document Availability

Species with general design guidelines

Gray Bat *Myotis grisescens*

Indiana Bat *Myotis sodalis*

Northern Long-eared Bat *Myotis septentrionalis*

Sheepnose Mussel *Plethobasus cyphus*

Species without general design guidelines available

Running Buffalo Clover *Trifolium stoloniferum*

Short's Bladderpod *Physaria globosa*

General Project Design Guidelines - Gray Bat and 2 more species

Published by Kentucky Ecological Services Field Office for the following species included in your project

Gray Bat *Myotis grisescens*

Indiana Bat *Myotis sodalis*

Northern Long-eared Bat *Myotis septentrionalis*

Four of the bat species found in Kentucky are listed under the Endangered Species Act: the Indiana bat (*Myotis sodalis*), the northern long-eared bat (*Myotis septentrionalis*), the gray bat (*Myotis grisescens*), and the Virginia big-eared bat (*Corynorhinus townsendii virginianus*). Records for Indiana bats, northern long-eared bats, and gray bats occur in all areas of the state, and these species are considered potentially present in areas in which they have not been previously documented. Virginia big-eared bat are found in a specific region of eastern Kentucky.

All four species winter in caves, underground mines, or other similar structures. Gray bats and Virginia big-eared bats also use these structures and other structures, such as rockshelters and other karst features, during the summer for roosting and forming maternity colonies. To address the potential for impacts to winter habitat for these four bat species and summer habitat for the gray bat and the Virginia big-eared bat, we recommend conducting habitat assessments to identify any suitable habitat features in the action area of the proposed project. This action area typically includes a buffer around the footprint of the project. This buffer can vary in size depending on the actions associated with the proposed project. Any features identified should be assessed following the process described in the most current survey guidelines for the species at: <https://www.fws.gov/midwest/angered/mammals/inba/inbasummersurveyguidance.html>. Because these species may also occasionally roost in buildings, bridges, culverts, and other human-made structures, we recommend inspecting these structures for the presence of bats or signs of bat use prior to demolition. If bats are found or suspected to be using a structure, further coordination with the Service may be necessary.

In the summer, Indiana bats and northern long-eared bats utilize a variety of forested habitats, including riparian forests, bottomlands, and uplands, for both summer foraging and roosting. Females give birth and raise their young in trees occupied by maternity colonies. During the fall "swarming" period, these species occupy the forested habitat around the hibernacula where they mate and acquire additional fat reserves prior to hibernation. They also utilize this habitat during spring emergence before migrating to their summering areas. Suitable roost trees for Indiana bats are greater than 5 inches diameter at breast height (DBH), can be living or dead, and exhibit any of the following characteristics: exfoliating bark, broken limbs, broken tops, cracks, and crevices. Suitable habitat for northern long-eared bats include habitat suitable for Indiana bats as well as trees as small as 3 inches DBH and cavities in trees. We recommend the following options to address potential effects to the Indiana bat and northern long-eared bat as a result of impacts to roosting habitat:

- The project proponent can modify the proposed project to avoid impacts to suitable roosting and foraging habitat. A habitat assessment may be useful in determining if suitable summer roosting or foraging habitat is present in the action area of the proposed project.
- The project proponent can conduct a survey (acoustical or mist-net) to determine the presence or likely absence of the species in the project area. These presence/absence surveys must be conducted by a qualified biologist with the appropriate collection permits and in accordance with our most current survey guidance. If any federally-listed bats are captured, we request written notification of such occurrence(s) and further

coordination and consultation. Surveys must be conducted during late spring to early summer between the dates specified in the survey guidance. Results from surveys are valid during the survey season in which they are collected, through the survey season the following year, until the beginning of the survey season of the next following year. Survey results are not recommended to support probable absence of a bat species in an area and during a timeframe in which presence of the species has already been documented (“known” habitat). Survey guidance and distribution of known records can be found at:

<https://www.fws.gov/midwest/endangered/mammals/inba/inbasummersurveyguidance.html>.

- The project proponent may provide the Service with additional information through the informal consultation process, prepared by a qualified biologist, that includes site-specific habitat information and a thorough effects analysis (direct, indirect, and cumulative) to support a “not likely to adversely affect” determination. The Service will review this and decide if there is enough supporting information to concur with the determination.
- For federal projects, the federal action agency can request formal section 7 consultation with the submission of a Biological Assessment describing the action and evaluating the effects of the action on the listed species in the project area. After formal consultation is initiated, the Service has 135 days to prepare a Biological Opinion that analyzes the effects of the action on the listed species and identifies actions to minimize those effects.
- For non-federal projects, section 10(a)(1)(B) of the ESA establishes a process for permitting the taking of listed species that is incidental to otherwise lawful non-Federal activities (i.e., an incidental take permit or ITP). Habitat Conservation Plans (HCPs) are planning documents required as part of an application for an incidental take permit. They describe the anticipated effects of the proposed taking, how those impacts will be minimized or mitigated, and how the HCP is to be funded. HCPs can apply to both listed and non-listed species, including those that are candidates or have been proposed for listing. However, the incidental take permit will only cover species listed as endangered or threatened under the ESA. Additional information about HCPs can be found on the Service’s website at: <http://www.fws.gov/endangered/what-we-do/hcp-overview.html>
- In certain areas, potential effects to the northern long-eared bat may be excepted under the Final 4(d) Rule that the Service published for the species on January 14, 2016. This 4(d) Rule identifies certain types of take that is prohibited and establishes specific conservation measures for tree removal activities that, if adhered to, would not result in prohibited incidental take. If the proposed project is in a location where incidental take would not be prohibited, the “official species list” attached to the IPaC-generated letter will include a condition for northern long-eared bat that reads: “The specified area includes areas in which incidental take would not be prohibited under the 4(d) rule.” Incidental take in these locations would be covered under the Service’s January 5, 2016, intra-Service Programmatic Biological Opinion (BO) on the final 4(d) rule. To use the programmatic BO to address effects to the northern long-eared bat, project proponents should use the “Northern Long-Eared Bat (NLEB) Consultation and 4(d) Rule Consistency” Determination Key in IPaC. This key is accessed by clicking on “Start

Review” under the “What’s Next” heading on the right side of the screen on the IPaC “Project Home” page. If there is no condition present for northern long-eared bat in the “official species list,” the key cannot be completed. Please contact the Kentucky Field Office for further coordination.

Though only Indiana bats and northern long-eared bats roost in trees, forested habitat is important to all four species for foraging and commuting purposes. Indiana bats and gray bats commonly utilize forested corridors along streams, while northern long-eared bats tend to forage more in the interior of forests, and Virginia big-eared bats along forested edges. Forest removal associated with projects can impact bat behavior by eliminating foraging areas and by rendering foraging areas unusable by severing connections between habitat. Modifying or degrading habitat to an extent that results in significant impairment of behavioral patterns could qualify as “take” under the ESA. The effects of forest habitat removal on the landscape should be evaluated for potential impacts to bat foraging and commuting behavior.

All four species of bats forage on insects. Gray bats and Indiana bats, in particular, often forage over strongly intermittent to larger streams, rivers, lakes, and ponds, consuming insects that spend the larval phase of the life cycle in water. These insects can be negatively affected by excessive sediment and contaminants in the water. We recommend using appropriate Best Management Practices (BMPs) to minimize impacts to the water quality within and downstream of the project area to protect these important foraging resources.

In summary, to address potential effects to federally-listed bats in Kentucky, please provide the Service with information about the following potential habitat features in the action area of the proposed project:

- caves, rockshelters, abandoned mine portals, or similar features;
- buildings, bridges, or culverts;
- forested habitat; and
- streams, rivers, lakes, ponds, or wetlands.

Please describe how the proposed project may impact these features and any measures proposed to reduce impacts.

Freshwater mussels are one of the most imperiled groups of animals in North America. Reservoir construction, sedimentation, channelization, runoff from urban areas, and water pollution are all factors that have contributed to the decline of our native mussel populations. As filter feeders, mussels are sensitive to contaminants and function as indicators of water quality.

The mussel species listed in the table below are known to occur or may potentially occur in the specified medium to large rivers in Kentucky. One or more species will appear on an IPaC-generated species list if the project area you delineated is located in or near one of these rivers.

| | Rivers in Kentucky in Which the Species is Known to Occur or May Potentially Occur |
|---|---|
| Clubshell (<i>Pleurobema clava</i>) | Barren, Green, Licking, Ohio |
| Dromedary pearly mussel (<i>Dromus dromas</i>) | Big South Fork of the Cumberland |
| Fanshell (<i>Cyprogenia stegaria</i>) | Barren, Green, Licking, Ohio, Rolling Fork, Tennessee |
| Fat pocketbook (<i>Potamilus capax</i>) | Clarks (lower), Cumberland (lower), Green (lower), Mississippi, Ohio (lower), Tennessee, Tradewater (lower) |
| Northern riffleshell (<i>Epioblasma torulosa rangiana</i>) ¹ | Green, Licking, Ohio |
| Orangefoot pimpleback (<i>Plethobasus cooperianus</i>) | Green, Ohio, Salt, Tennessee |
| Oyster mussel (<i>Epioblasma capsaeformis</i>) | Big South Fork of the Cumberland |
| Pink mucket (<i>Lampsilis abrupta</i>) | Barren, Green, Licking, Rolling Fork, Salt |
| Purple catspaw (<i>Epioblasma o. obliquata</i>) ² | Green, Licking, Ohio |
| Rabbitsfoot (<i>Quadrula c. cylindrica</i>) ³ | Barren, Cumberland (below the falls), Green, Ohio, Rolling Fork, South Fork Kentucky, Tennessee |
| Ring pink (<i>Obovaria retusa</i>) | Barren, Cumberland (below the falls), Green, Ohio, Tennessee |
| Rough pigtoe (<i>Pleurobema plenum</i>) | Barren, Green, Licking, Ohio |
| Sheepnose (<i>Plethobasus cyphus</i>) | Barren, Green, Kentucky, Licking, Ohio, Tennessee |
| Spectaclecase (<i>Cumberlandia monodonta</i>) ⁴ | Barren, Cumberland (below the falls), Green, Little South Fork of the Cumberland, Ohio, Tennessee |

¹This species has been renamed *Epioblasma walkeri*.

²This species has been renamed *Epioblasma obliquata*.

³This species has been renamed *Theliderma cylindrica*.

⁴This species has been renamed *Margaritifera monodonta*.

In-channel activities in the rivers listed above may potentially directly or indirectly affect one or more species of mussels. Even projects that do not involve in-channel activities still have the potential to impact listed mussel species and their habitats. Development activities that disturb

uplands in watersheds containing listed mussel species can degrade streams and rivers by increasing siltation/sedimentation, introducing pollutants, and/or altering riparian areas.

If the project area is within one-half to five miles from a river in which one of these mussel species is known to occur or may potentially occur, the IPaC-generated species list will include a condition stating the following: “The species may be affected by projects that significantly impact, directly or indirectly, the following rivers:.” The potential for indirect effects to these species should be carefully considered in these project areas.

When practicable, we recommend siting projects to avoid impacting streams and rivers that contain listed mussel species and utilizing methods, such as horizontal directional drilling and clear span bridges, to avoid direct impacts to listed mussel species and their habitats. The following are some general recommendations to minimize indirect impacts to streams and rivers and reduce impacts to federally-listed mussels:

- Utilize Best Management Practices to minimize erosion from work areas;
- Limit vegetation removal to minimize impacts in riparian areas;
- Revegetate disturbed areas with native vegetation;
- Use bioengineering techniques to restore disturbance to stream banks;
- Install upland sediment basins, where appropriate, to minimize sediment input into streams and rivers;
- Install detention structures to manage stormwater runoff into streams and river; and
- Minimize the addition of impervious surfaces in the watershed.

When submitting project information to the U.S. Fish and Wildlife Service’s Kentucky Field Office for review, please include information about streams and rivers in the action area of the proposed project. Describe any proposed activities that would occur in the channel or on the banks and include descriptions of measures proposed to reduce impacts to stream and river habitats.

IPaC resource list

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

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

Location

Fayette and Jessamine counties, Kentucky



Local office

Kentucky Ecological Services Field Office

☎ (502) 695-0468

📅 (502) 695-1024

J C Watts Federal Building, Room 265
330 West Broadway
Frankfort, KY 40601-8670

<http://www.fws.gov/frankfort/>

Endangered species

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

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

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

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

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

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

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

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

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

Mammals

NAME

STATUS

Gray Bat *Myotis grisescens* Endangered
 This species only needs to be considered if the following condition applies:

- The project area includes potential gray bat habitat.

No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/6329>

Indiana Bat *Myotis sodalis* Endangered
 This species only needs to be considered if the following condition applies:

- The project area includes unconfirmed habitat. All activities in this location should consider possible effects to this species.

There is **final** critical habitat for this species. Your location is outside the critical habitat.
<https://ecos.fws.gov/ecp/species/5949>

Northern Long-eared Bat *Myotis septentrionalis* Threatened
 This species only needs to be considered if the following condition applies:

- The specified area includes areas in which incidental take would not be prohibited under the 4(d) rule. For reporting purposes, please use the "streamlined consultation form," linked to in the "general project design guidelines" for the species.

No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/9045>

Clams

| NAME | STATUS |
|--|------------|
| Sheepnose Mussel <i>Plethobasus cyphus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6903 | Endangered |

Flowering Plants

| NAME | STATUS |
|--|------------|
| Running Buffalo Clover <i>Trifolium stoloniferum</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2529 | Endangered |
| Short's Bladderpod <i>Physaria globosa</i> There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/7206 | Endangered |

Critical habitats

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

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

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

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

MIGRATORY BIRD INFORMATION IS NOT AVAILABLE AT THIS TIME

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

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

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

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

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

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

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

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

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

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

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

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

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

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

Facilities

National Wildlife Refuge lands

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

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

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

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

WETLAND INFORMATION IS NOT AVAILABLE AT THIS TIME

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

Data limitations

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

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

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

Data exclusions

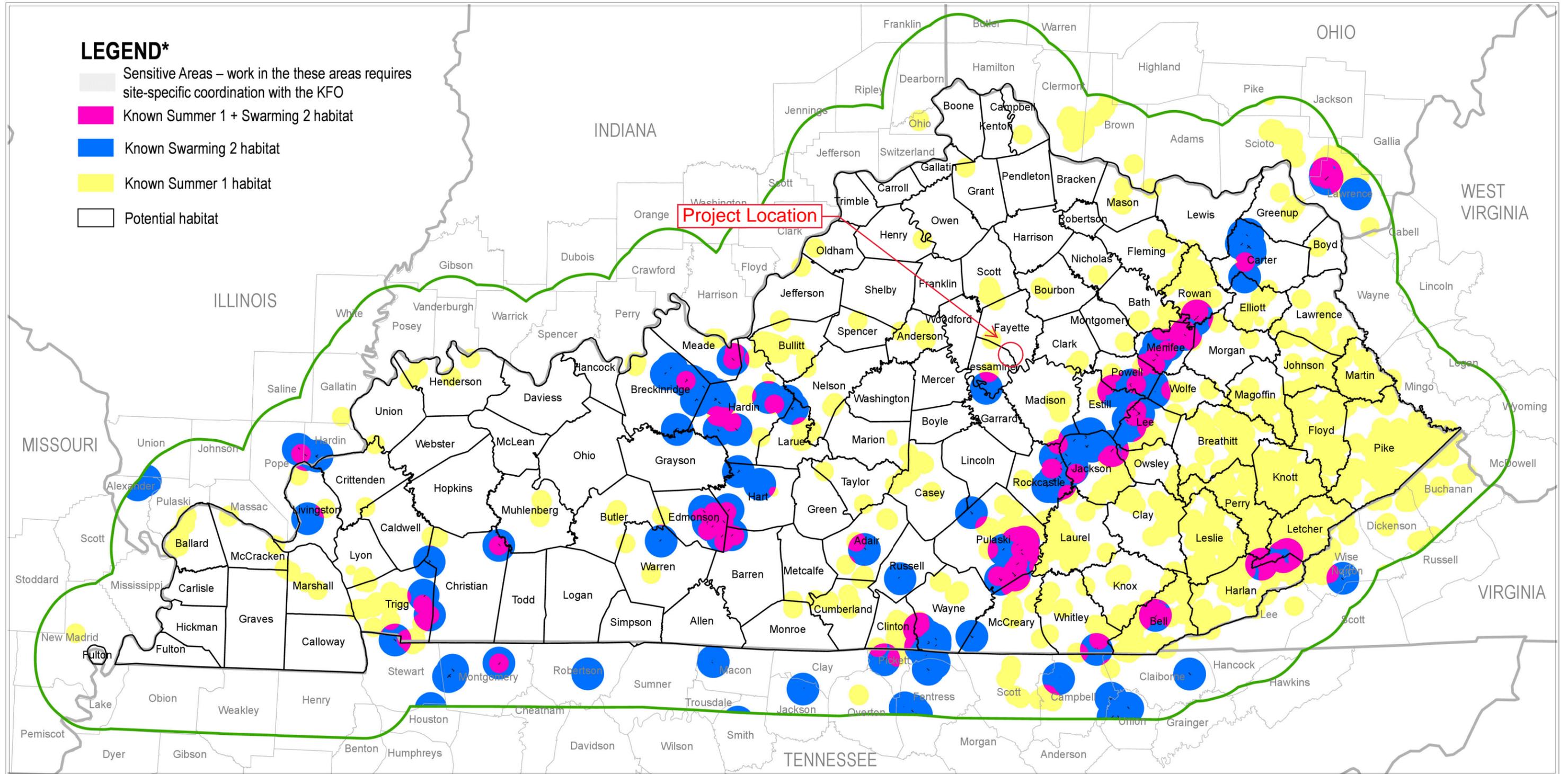
Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and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

Data precautions

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



Known northern long-eared bat habitat in Kentucky and within 20 miles (August 2019)



NOTE: This map is based on species occurrence information and is subject to change as new data become available. Please contact our office at 502/695-0468 to ensure you are working with the most current version.
 *For an explanation of terms, please see the Conservation Strategy for Forest-Dwelling Bats in the Commonwealth of Kentucky.

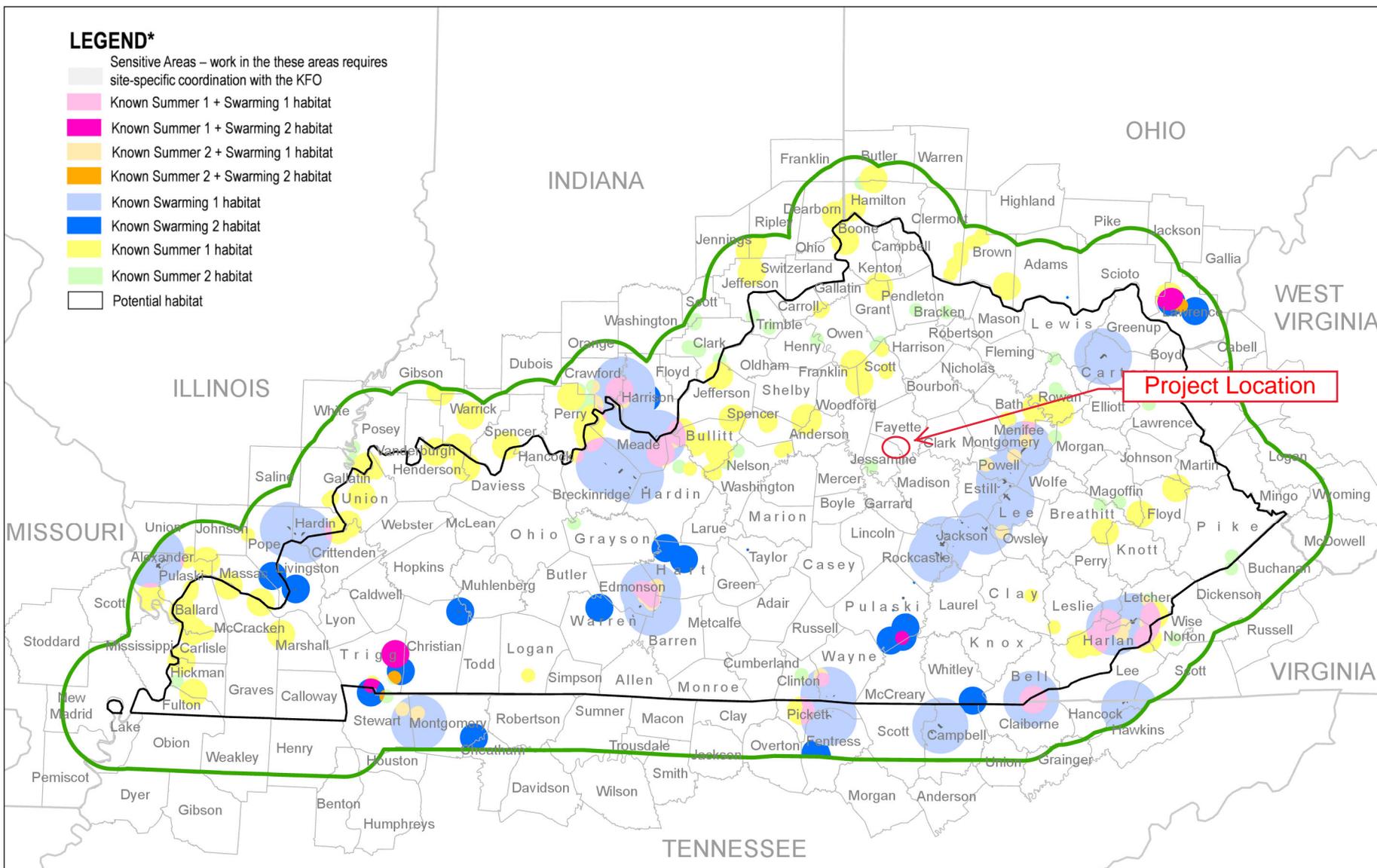


The USFWS makes no warranty for use of this map and cannot be held liable for actions or decisions based on map content. This map was produced as an appendix to the Conservation Strategy for Forest-Dwelling Bats in the Commonwealth of Kentucky and should only be used in the context of this Strategy.



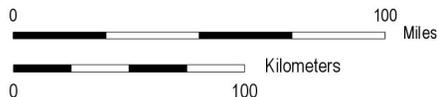


Known Indiana bat habitat in Kentucky and within 20 miles (August 2019)



NOTE: This map is based on species occurrence information and is subject to change as new data becomes available. Please contact our office at 502-695-0468 to ensure you are working with the most current version.

*For an explanation of terms, please see the Conservation Strategy for Forest-Dwelling Bats in the Commonwealth of Kentucky.



The USFWS makes no warranty for use of this map and cannot be held liable for actions or decisions based on map content. This map was produced as an appendix to the Conservation Strategy for Forest-Dwelling Bats in the Commonwealth of Kentucky and should only be used in the context of this Strategy.



Datum: NAD 83



Species Information

State Threatened, Endangered, and Special Concern Species observations for selected counties

Linked life history provided courtesy of NatureServe Explorer .

Records may include both recent and historical observations.

[US Status Definitions](#) [Kentucky Status Definitions](#)

List State Threatened, Endangered, and Special Concern Species observations in 2 selected counties.

Selected counties are: Fayette, Jessamine.

| Scientific Name and Life History | Common Name and Pictures | Class | County | US Status | KY Status | WAP | Reference |
|----------------------------------|--------------------------|-------|-----------|-----------|-----------|-----|-----------|
| <i>Accipiter striatus</i> | Sharp-shinned Hawk | Aves | Fayette | N | S | Yes | Reference |
| <i>Accipiter striatus</i> | Sharp-shinned Hawk | Aves | Jessamine | N | S | Yes | Reference |
| <i>Actitis macularius</i> | Spotted Sandpiper | Aves | Jessamine | N | E | Yes | Reference |
| <i>Ardea alba</i> | Great Egret | Aves | Jessamine | N | T | Yes | Reference |
| <i>Asio flammeus</i> | Short-eared Owl | Aves | Jessamine | N | E | Yes | Reference |
| <i>Asio flammeus</i> | Short-eared Owl | Aves | Fayette | N | E | Yes | Reference |
| <i>Cardellina canadensis</i> | Canada Warbler | Aves | Fayette | N | S | Yes | Reference |
| <i>Centronyx henslowii</i> | Henslow's Sparrow | Aves | Fayette | N | S | Yes | Reference |
| <i>Centronyx henslowii</i> | Henslow's Sparrow | Aves | Jessamine | N | S | Yes | Reference |
| <i>Certhia americana</i> | Brown Creeper | Aves | Jessamine | N | E | Yes | Reference |
| <i>Certhia americana</i> | Brown Creeper | Aves | Fayette | N | E | Yes | Reference |
| <i>Chondestes grammacus</i> | Lark Sparrow | Aves | Fayette | N | T | Yes | Reference |
| <i>Chondestes grammacus</i> | Lark Sparrow | Aves | Jessamine | N | T | Yes | Reference |
| <i>Circus hudsonius</i> | Northern Harrier | Aves | Jessamine | N | T | Yes | Reference |

| | | | | | | | |
|---|-----------------------------|----------|-----------|---|---|-----|-----------|
| <i>Cistothorus platensis</i> | Sedge Wren | Aves | Jessamine | N | S | Yes | Reference |
| <i>Cistothorus platensis</i> | Sedge Wren | Aves | Fayette | N | S | Yes | Reference |
| <i>Corynorhinus rafinesquii</i> | Rafinesque's Big-eared Bat | Mammalia | Jessamine | N | S | Yes | Reference |
| <i>Cryptobranchus alleganiensis alleganiensis</i> | Eastern Hellbender | Amphibia | Jessamine | N | E | Yes | Reference |
| <i>Dolichonyx oryzivorus</i> | Bobolink | Aves | Fayette | N | S | Yes | Reference |
| <i>Dolichonyx oryzivorus</i> | Bobolink | Aves | Jessamine | N | S | Yes | Reference |
| <i>Falco peregrinus</i> | Peregrine Falcon | Aves | Jessamine | N | E | Yes | Reference |
| <i>Falco peregrinus</i> | Peregrine Falcon | Aves | Fayette | N | E | Yes | Reference |
| <i>Fulica americana</i> | American Coot | Aves | Fayette | N | E | | Reference |
| <i>Fulica americana</i> | American Coot | Aves | Jessamine | N | E | | Reference |
| <i>Gallinula galeata</i> | Common Gallinule | Aves | Fayette | N | T | Yes | Reference |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | Aves | Fayette | N | T | Yes | Reference |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | Aves | Jessamine | N | T | Yes | Reference |
| <i>Ictinia mississippiensis</i> | Mississippi Kite | Aves | Fayette | N | S | Yes | Reference |
| <i>Junco hyemalis</i> | Dark-eyed Junco | Aves | Fayette | N | S | | Reference |
| <i>Junco hyemalis</i> | Dark-eyed Junco | Aves | Jessamine | N | S | | Reference |
| <i>Lophodytes cucullatus</i> | Hooded Merganser | Aves | Jessamine | N | T | Yes | Reference |
| <i>Lophodytes cucullatus</i> | Hooded Merganser | Aves | Fayette | N | T | Yes | Reference |
| <i>Mustela nivalis</i> | Least Weasel | Mammalia | Fayette | N | S | | Reference |
| <i>Mustela nivalis</i> | Least Weasel | Mammalia | Jessamine | N | S | | Reference |
| <i>Myotis grisescens</i> | Gray Myotis | Mammalia | Jessamine | E | T | Yes | Reference |
| <i>Myotis grisescens</i> | Gray Myotis | Mammalia | Fayette | E | T | Yes | Reference |
| <i>Myotis leibii</i> | Eastern Small-footed Myotis | Mammalia | Jessamine | N | T | Yes | Reference |
| <i>Myotis septentrionalis</i> | Northern Myotis | Mammalia | Jessamine | T | E | | Reference |

| | | | | | | | |
|------------------------------------|----------------------------|----------|-----------|---|---|-----|-----------|
| <i>Myotis septentrionalis</i> | Northern Myotis | Mammalia | Fayette | T | E | | Reference |
| <i>Myotis sodalis</i> | Indiana Bat | Mammalia | Fayette | E | E | Yes | Reference |
| <i>Myotis sodalis</i> | Indiana Bat | Mammalia | Jessamine | E | E | Yes | Reference |
| <i>Nehalennia irene</i> | Sedge Sprite | Insecta | Fayette | N | E | | Reference |
| <i>Nyctanassa violacea</i> | Yellow-crowned Night-heron | Aves | Fayette | N | T | Yes | Reference |
| <i>Nycticeius humeralis</i> | Evening Bat | Mammalia | Fayette | N | S | Yes | Reference |
| <i>Nycticorax nycticorax</i> | Black-crowned Night-heron | Aves | Fayette | N | T | Yes | Reference |
| <i>Nycticorax nycticorax</i> | Black-crowned Night-heron | Aves | Jessamine | N | T | Yes | Reference |
| <i>Pandion haliaetus</i> | Osprey | Aves | Fayette | N | S | Yes | Reference |
| <i>Passerculus sandwichensis</i> | Savannah Sparrow | Aves | Fayette | N | S | Yes | Reference |
| <i>Passerculus sandwichensis</i> | Savannah Sparrow | Aves | Jessamine | N | S | Yes | Reference |
| <i>Phalacrocorax auritus</i> | Double-crested Cormorant | Aves | Jessamine | N | T | | Reference |
| <i>Phalacrocorax auritus</i> | Double-crested Cormorant | Aves | Fayette | N | T | | Reference |
| <i>Pheucticus ludovicianus</i> | Rose-breasted Grosbeak | Aves | Jessamine | N | S | Yes | Reference |
| <i>Podilymbus podiceps</i> | Pied-billed Grebe | Aves | Jessamine | N | E | Yes | Reference |
| <i>Pseudanophthalmus abditus</i> | Concealed Cave Beetle | Insecta | Jessamine | N | T | | Reference |
| <i>Pseudanophthalmus horni</i> | Garman's Cave Beetle | Insecta | Fayette | N | S | | Reference |
| <i>Pseudanophthalmus solivagus</i> | A Cave Obligate Beetle | Insecta | Jessamine | N | S | | Reference |
| <i>Rana pipiens</i> | Northern Leopard Frog | Amphibia | Jessamine | N | S | Yes | Reference |
| <i>Rana pipiens</i> | Northern Leopard Frog | Amphibia | Fayette | N | S | Yes | Reference |

| | | | | | | | |
|----------------------------------|--------------------------|----------|-----------|----|---|-----|-----------|
| <i>Riparia riparia</i> | Bank Swallow | Aves | Fayette | N | S | Yes | Reference |
| <i>Satyrium favonius ontario</i> | Northern Hairstreak | Insecta | Fayette | N | S | | Reference |
| <i>Sitta canadensis</i> | Red-breasted Nuthatch | Aves | Fayette | N | E | Yes | Reference |
| <i>Sitta canadensis</i> | Red-breasted Nuthatch | Aves | Jessamine | N | E | Yes | Reference |
| <i>Spatula clypeata</i> | Northern Shoveler | Aves | Jessamine | N | E | | Reference |
| <i>Spatula clypeata</i> | Northern Shoveler | Aves | Fayette | N | E | | Reference |
| <i>Spatula discors</i> | Blue-winged Teal | Aves | Fayette | N | T | | Reference |
| <i>Spatula discors</i> | Blue-winged Teal | Aves | Jessamine | N | T | | Reference |
| <i>Theliderma cylindrica</i> | Rabbitsfoot | Bivalvia | Jessamine | PS | T | Yes | Reference |
| <i>Thryomanes bewickii</i> | Bewick's Wren | Aves | Jessamine | N | S | Yes | Reference |
| <i>Tyto alba</i> | Barn Owl | Aves | Jessamine | N | S | Yes | Reference |
| <i>Tyto alba</i> | Barn Owl | Aves | Fayette | N | S | Yes | Reference |

70 species are listed



ANDY BESHEAR
GOVERNOR

REBECCA W. GOODMAN
SECRETARY

ENERGY AND ENVIRONMENT CABINET
OFFICE OF KENTUCKY NATURE PRESERVES

ZEB WEESE
EXECUTIVE DIRECTOR

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601
TELEPHONE: 502-573-2886
TELEFAX: 502-564-7484

January 17, 2020

Lindsay Avilla
Stantec
10509 Timberwood Circle Suite 100
Louisville, KY 40223-5308

Project: Stantec Transportation Assessment
Project ID: 20-0091
Project Type: Standard (*customers will be invoiced), 1 mile buffer
(\$120 fee)
Site Acreage: 39,432.60
Site Lat/Lon: 37.917919 / -84.463545
County: Fayette; Jessamine
USGS Quad: COLETOWN; FORD; LITTLE HICKMAN;
NICHOLASVILLE; VALLEY VIEW
Watershed HUC12: Boone Creek; Jessamine Creek; Lower East Hickman
Creek-Hickman Creek; Lower Howard Creek-Kentucky
River; Marble Creek-Kentucky River +

Dear Lindsay Avilla,

This letter is in response to your data request for the project referenced above. We have reviewed our Natural Heritage Program Database to determine if any of the endangered, threatened, or special concern plants and animals or exemplary natural communities monitored by the Office of Kentucky Nature Preserves occur within your general project area. Your project does pose a concern at this time, therefore please see the attached reports for more detailed information.

I would like to take this opportunity to remind you of the terms of the data request license, which you agreed upon in order to submit your request. The license agreement states "Data and data products received from the Office of Kentucky Nature Preserves, including any portion thereof, may not be reproduced in any form or by any means without the express written authorization of the Office of Kentucky Nature Preserves." The exact location of plants, animals, and natural communities, if released by the Office of Kentucky Nature Preserves, may not be released in any document or correspondence. These products are provided on a temporary basis for the express project (described above) of the requester, and may not be redistributed, resold or copied without the written permission of the Biological Assessment Branch (300 Sower Blvd - 4th Floor, Frankfort, KY, 40601. Phone: 502-782-7828).

Project ID: 20-0091
January 17, 2020
Page 2

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed and new plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. We would greatly appreciate receiving any pertinent information obtained as a result of on-site surveys.

If you have any questions, or if I can be of further assistance, please do not hesitate to contact me.

Sincerely,

Nour Salam
Geoprocessing Specialist

Standard Occurrence Report
KNP monitored species within 1 Miles of Project Area

| EO ID | Scientific Name | Common Name | GRank | SRank | SPROT | USESA | STWG | Last Obs Date | Precision | EO Rank | Lat / Lon | Directions | Habitat |
|-------|-----------------|-------------|-------|-------|-------|-------|------|---------------|-----------|---------|-----------|---|---------|
| 17947 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 17949 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 17957 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | NR | | Sensitive Element - Contact KSS at ksscaves.com | |
| 17963 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 17976 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 17987 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18113 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | NR | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18152 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18153 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18166 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18750 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18761 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18768 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18794 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18817 | <i>Cave</i> | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at | |

Standard Occurrence Report
KNP monitored species within 1 Miles of Project Area

| EO ID | Scientific Name | Common Name | GRank | SRank | SPROT | USESA | STWG | Last Obs Date | Precision | EO Rank | Lat / Lon | Directions | Habitat |
|-------|------------------------------|-------------------|-------|-----------|-------|-------|------|---------------|-----------|---------|-----------|---|--|
| 18836 | Cave | | GU | SNR | N | | | No Date | S | E | | ksscaves.com | |
| 18838 | Cave | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 18839 | Cave | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 19747 | Cave | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 19777 | Cave | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 19794 | Cave | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 19918 | Cave | | GU | SNR | N | | | No Date | S | E | | Sensitive Element - Contact KSS at ksscaves.com | |
| 2911 | <i>Centronyx henslowii</i> | Henslow's Sparrow | G4 | S3B | S | SOMC | Y | 1951-06-08 | C | H | ██████ | ██████ | Open fields & meadows with relatively thick/dense grass interspersed with weeds or shrubby vegetation. |
| 9353 | <i>Chondestes grammacus</i> | Lark Sparrow | G5 | S2S3B | S | | Y | 1941-CA | C | H | ██████ | ██████ | Open situations with scattered bushes and trees, prairie, forest edge, cultivated areas, orchards, fields with bushy borders, and savanna (B83COM01NA). |
| 3991 | <i>Dolichonyx oryzivorus</i> | Bobolink | G5 | S2S3B | S | | Y | 1998-06/07 | S | E | ██████ | ██████████████ | Tall grass areas, flooded meadows, prairie, deep cultivated grains, alfalfa and clover fields. In migration and winter also in rice fields, marshes, and open woody areas. (B83COM01NA). |
| 7760 | <i>Juglans cinerea</i> | White Walnut | G4 | S2S3 | T | SOMC | | 2007-11 | M | X? | ██████ | ██████████████ | Mesic wooded ravines and alluvial forests. |
| 15945 | <i>Lanius ludovicianus</i> | Loggerhead Shrike | G4 | S3S4B,S4N | S | SOMC | Y | 1989 | Q | NR | ██████ | ██████████████ | |
| 15949 | <i>Lanius ludovicianus</i> | Loggerhead Shrike | G4 | S3S4B,S | S | SOMC | Y | 1990 | Q | NR | ██████ | ██████████████ | |

Standard Occurrence Report
KNP monitored species within 1 Miles of Project Area

| EO ID | Scientific Name | Common Name | GRank | SRank | SPROT | USES | STWG | Last Obs Date | Precision | EO Rank | Lat / Lon | Directions | Habitat |
|-------|---------------------------------|-----------------------|--------|---------------|-------|------|------|---------------|-----------|---------|-----------|------------|---|
| | | | | 4N | | | | | | | | | |
| 15950 | <i>Lanius ludovicianus</i> | Loggerhead Shrike | G4 | S3S4B,S 4N | S | SOMC | Y | 1990 | Q | NR | | | |
| 777 | <i>Lithobates pipiens</i> | Northern Leopard Frog | G5 | S3 | S | | Y | 1970s-late | S | X | | | Breeds in natural and manmade ponds. Otherwise uses moist grassland, meadows and margins. |
| 1043 | <i>Lithobates pipiens</i> | Northern Leopard Frog | G5 | S3 | S | | Y | 1999-pre | S | H | | | Breeds in natural and manmade ponds. Otherwise uses moist grassland, meadows and margins. |
| 5182 | <i>Lithospermum parviflorum</i> | Hairy False Gromwell | G4G5T4 | S2 | E | | | 1988-07 | S | B | | | Dry calcareous rocky or gravelly prairies, banks, glades. dry hills, woods, fields. |
| 166 | <i>Malvastrum hispidum</i> | Hispid Falsemallow | G3G5 | S2? | T | | | 1990-ca | M | E | | | Dry open non-wooded areas such as prairies, both limestone and sandstone, glades, edges of bluffs, and barrens, sometimes open alluvial ground in valleys and along gravel bars (Steyermark 1963 in part); in KY, old fields. |
| 2115 | <i>Malvastrum hispidum</i> | Hispid Falsemallow | G3G5 | S2? | T | | | 1955-08-02 | M | H | | | Dry open non-wooded areas such as prairies, both limestone and sandstone, glades, edges of bluffs, and barrens, sometimes open alluvial ground in valleys and along gravel bars (Steyermark 1963 in part); in KY, old fields. |
| 10176 | <i>Malvastrum hispidum</i> | Hispid Falsemallow | G3G5 | S2? | T | | | 2007-01-16 | S | C | | | Dry open non-wooded areas such as prairies, both limestone and sandstone, glades, edges of bluffs, and barrens, sometimes open alluvial ground in valleys and along gravel bars (Steyermark 1963 in part); in KY, old fields. |
| 2596 | <i>Mustela nivalis</i> | Least Weasel | G5 | S2S3 | S | | | 1991-02-06 | M | NR | | | Prime habitat unknown. Seems to occur in farmland. |

Standard Occurrence Report
KNP monitored species within 1 Miles of Project Area

| EO ID | Scientific Name | Common Name | GRank | SRank | SPROT | USES A | STWG | Last Obs Date | Precision | EO Rank | Lat / Lon | Directions | Habitat |
|-------|-------------------------------|---------------------------|-------|-------|-------|--------|------|---------------|-----------|---------|-----------|--|--|
| 4848 | <i>Myotis grisescens</i> | Gray Myotis | G4 | S2 | T | LE | Y | 1981-03-28 | S | X? | | Sensitive Element - Contact OKNP at naturepreserves@ky.gov | Primarily use caves throughout the year, although they move from one cave to another seasonally. Males and young of the year use different caves in summer than females. Smaller colonies also occasionally roost under bridge structures. |
| 5983 | <i>Nabalus crepidineus</i> | Nodding Rattlesnake-root | G4 | S3 | S | | | 1989-05-17 | S | B | | | Calcareous forests and thickets usually in alluvial areas. |
| 9636 | <i>Nehalennia irene</i> | Sedge Sprite | G5 | S1 | E | | | 1916-06-29 | G | H | | | A variety of lentic habitats, especially marshes and sedge fens (Westfall and May 1996). |
| 7518 | <i>Nicrophorus americanus</i> | American Burying Bee le | G3 | SX | X | LE | | 1928-08-13 | C | X | | | American burying beetles have been found in a variety of habitats, but the preferred habitat may be mature forests. Carrion availability, especially the appropriate physical size of carrion, in a given area is suspected to be more important than vegetati |
| 5601 | <i>Oenothera triloba</i> | Stemless Evening-primrose | G4 | S1S2 | T | | | 1942-06-16 | G | H | | | Dry woods, barrens, and prairies, often calcareous; in KY, glades, dry limestone soil, rock outcrops in fields. |
| 16699 | <i>Panax quinquefolius</i> | American Ginseng | G3G4 | S3S4 | CE | | | 2011 | S | C | | Sensitive Element - Contact OKNP at naturepreserves@ky.gov | |
| 16242 | <i>Perimyotis subflavus</i> | Tricolored Bat | G2G3 | S2 | T | | | 2018-04-27 | S | E | | | |
| 4182 | <i>Physaria globosa</i> | Globe Bladderpod | G2 | S1 | E | LE | | 1991-Pre | M | F | | | Calcareous rocks and |

Standard Occurrence Report
KNP monitored species within 1 Miles of Project Area

| EO ID | Scientific Name | Common Name | GRank | SRank | SPROT | USES A | STWG | Last Obs Date | Precision | EO Rank | Lat / Lon | Directions | Habitat |
|-------|--------------------------------|--------------------------------|-------|-------|-------|--------|------|---------------|-----------|---------|-----------|------------|--|
| 6763 | <i>Physaria globosa</i> | Globe Bladderpod | G2 | S1 | E | LE | | 1942-05-16 | C | H | | | barrens, wooded cliff edges. |
| 10027 | <i>Physaria globosa</i> | Globe Bladderpod | G2 | S1 | E | LE | | 1931-05-24 | G | X | | | Calcareous rocks and barrens, wooded cliff edges. |
| 3424 | <i>Riparia riparia</i> | Bank Swallow | G5 | S3B | S | | Y | 1994-05-23 | S | D | | | Open and partly open situations, frequently near flowing water (B83COM01NA). |
| 9359 | <i>Sabulina fontinalis</i> | Water Stitchwort | G3 | S1S2 | E | | | 1993-05-24 | S | E | | | On permanently wet limestone cliffs or ledges above or along streams in full sun or light shade. |
| 7188 | <i>Schizachne purpurascens</i> | Purple Oat | G5 | S2 | T | | | 1986 | S | C | | | Dry outcrops along limestone cliffines along large streams and rivers. |
| 12084 | <i>Spiranthes ochroleuca</i> | Yellow Nodding Ladies'-tresses | G4 | S2? | T | | | 1978-10-5 | S | H | | | Damp (although sometimes seasonally only) acid soil of open woods and grassy openings. |
| 910 | <i>Trifolium stoloniferum</i> | Running Buffalo Clover | G3 | S2S3 | T | LE | | 1991-04-26 | S | F | | | Old trails, traces, and roads; grazed bottomlands, streambanks, lawns, shoals, and cemeteries with native vegetation, prairies, well-drained and mesic soils, and filtered to partial light. |
| 4940 | <i>Trifolium stoloniferum</i> | Running Buffalo Clover | G3 | S2S3 | T | LE | | 2012-07-11 | S | D | | | Old trails, traces, and roads; grazed bottomlands, streambanks, lawns, shoals, and cemeteries with native vegetation, prairies, well-drained and mesic soils, and filtered to partial light. |
| 9017 | <i>Trifolium stoloniferum</i> | Running Buffalo Clover | G3 | S2S3 | T | LE | | 1835-06 | G | H | | | Old trails, traces, and roads; grazed bottomlands, streambanks, lawns, shoals, and cemeteries with native vegetation, prairies, well-drained and mesic soils, and filtered to partial light. |

Standard Occurrence Report
KNP monitored species within 1 Miles of Project Area

| EO ID | Scientific Name | Common Name | GRank | SRank | SPROT | USES A | STWG | Last Obs Date | Precision | EO Rank | Lat / Lon | Directions | Habitat |
|-------|-------------------------------|---------------------|-------|-------|-------|--------|------|---------------|-----------|---------|------------|------------|--|
| 1278 | <i>Viburnum molle</i> | Kentucky Arrow-wood | G5 | S3? | S | | | 1989-05-17 | M | E | [REDACTED] | [REDACTED] | Rocky dry to somewhat dry woods usually at about mid-slope. |
| 12609 | <i>Viburnum molle</i> | Kentucky Arrow-wood | G5 | S3? | S | | | 2008-05-28 | S | D | [REDACTED] | [REDACTED] | Rocky dry to somewhat dry woods usually at about mid-slope. |
| 703 | <i>Viola walteri</i> | Walter's Violet | G4G5 | S2 | T | | | 1990- | S | D | [REDACTED] | [REDACTED] | Dry-mesic upland forests often with thin canopies. |
| 14636 | <i>Wolffiella gladiata</i> | Sword Bogmat | G5 | S4? | N | | | 1962-05-10 | S | E | [REDACTED] | [REDACTED] | SHALLOW WOODED PONDS. |
| 14428 | <i>Zannichellia palustris</i> | Horned Pondweed | G5 | S3? | N | | | 1987-06-11 | S | E | [REDACTED] | [REDACTED] | IN KY, SPRING-FED FARM POND. IN MANY FRESH AND BRACKISH WATER COMMUNITIES. |

Critical Habitats within 1 Miles of Project Area

| Critical Habitat Name | Unit Name | Subunit Name | Federal Register |
|-----------------------|-------------|--------------|------------------|
| | Boone Creek | | 79FR50990 |

Managed Areas within 1 Miles of Project Area

| MA ID | Managed Area Name | Unit Type | Owner Name | Managing Institution |
|-------|--|-------------------------|---|--|
| 1107 | <i>Bluegrass Conservancy Easements</i> | Conservation Easement | Private Individual & Bluegrass Land Conservancy | Bluegrass Land Conservancy |
| 53 | <i>Boone Creek Registered Natural Area</i> | Registered Natural Area | Private Individual | |
| 77 | <i>Floracliff Nature Sanctuary</i> | State Nature Preserve | Private Foundation | Floracliff Nature Sanctuary; Office of Kentucky Nature Preserves |
| 298 | <i>Jacobson Park</i> | Local Park/Preserve | Lexington-Fayette Urban County | Lexington-Fayette Urban County |

Managed Areas within 1 Miles of Project Area

| MA ID | Managed Area Name | Unit Type | Owner Name | Managing Institution |
|-------|---|-------------------------|--|--|
| | | | Government Parks and Recreation | Government Parks and Recreation |
| 527 | <i>NRCS Wetland Reserve Program (Permanent Easement)</i> | Wetland Reserve Program | USDA Natural Resources Conservation Service | USDA Natural Resources Conservation Service |
| 692 | <i>Raven Run Nature Sanctuary</i> | Local Park/Preserve | Lexington-Fayette Urban County Government Parks and Recreation | Lexington-Fayette Urban County Government Parks and Recreation |
| 75 | <i>Raven Run Nature Sanctuary Registered Natural Area</i> | Registered Natural Area | Lexington-Fayette Urban County Government Parks and Recreation | Lexington-Fayette Urban County Government Parks and Recreation |
| 421 | <i>Waveland State Historic Site</i> | State Park | Kentucky Department of Parks | Kentucky Department of Parks |

Areas of Significant Biodiversity within 1 Miles of Project Area

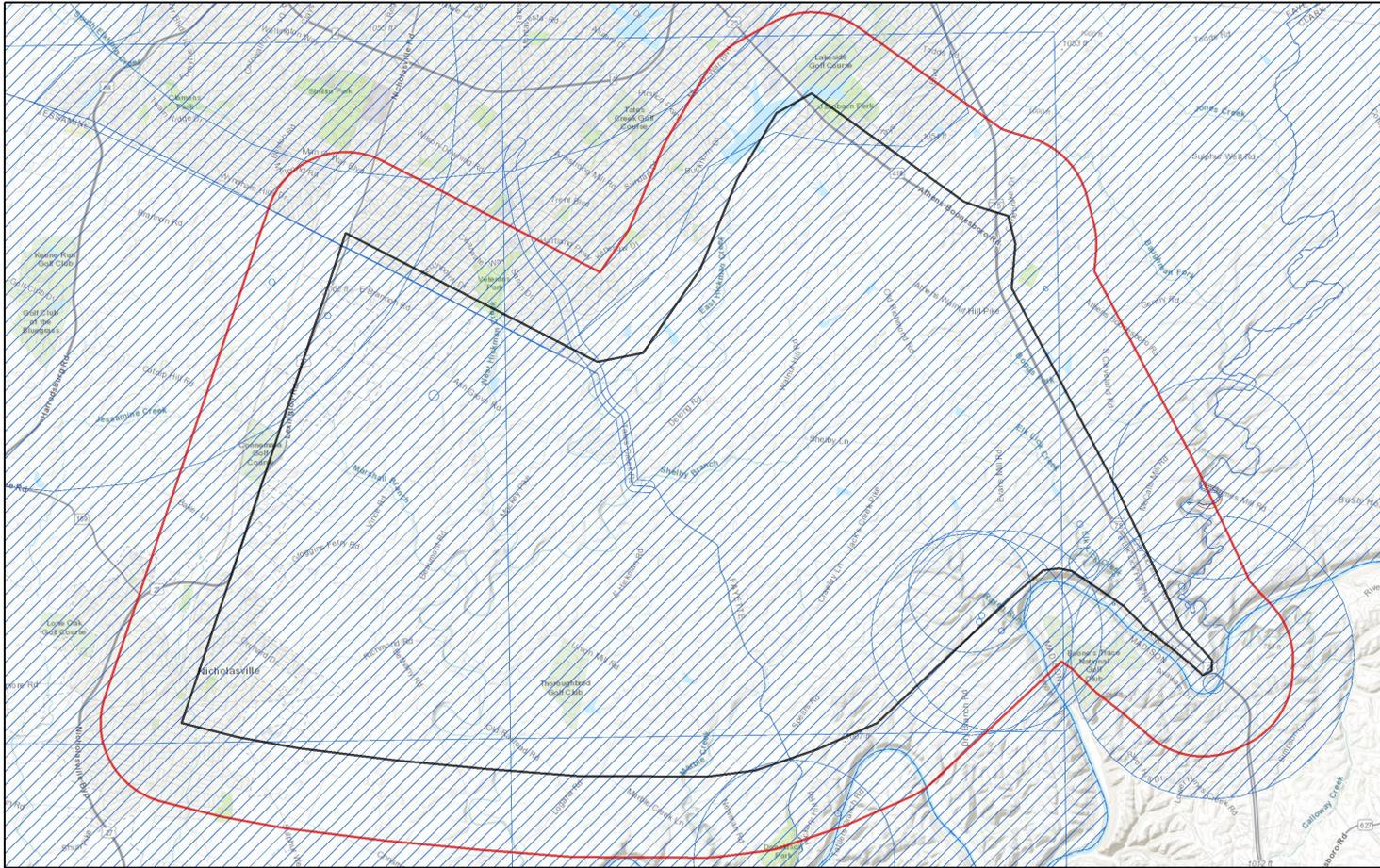
| Site ID | Site Name |
|---------|-----------------------------------|
| 83 | <i>Boone Creek</i> |
| 16 | <i>Floracliff</i> |
| 59 | <i>Raven Run Nature Sanctuary</i> |
| 214 | <i>YMCA Camp Cave</i> |

Bat Habitats within 1 Miles of Project Area

| Habitat | Species | USFWS |
|-----------------|---------------------------|---|
| <i>SUMMER 1</i> | <i>M. septentrionalis</i> | Contact USFWS at (502) 695-0468 or KentuckyES@fws.gov |

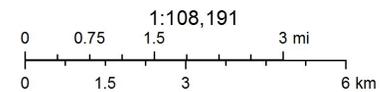
THESE DATA ARE VALID ONLY ON THE DATE ON WHICH THE REPORT WAS GENERATED.
 THESE DATA MAY ONLY BE USED FOR THE PROJECT NAMED ABOVE.

Stantec Transportation Assessment



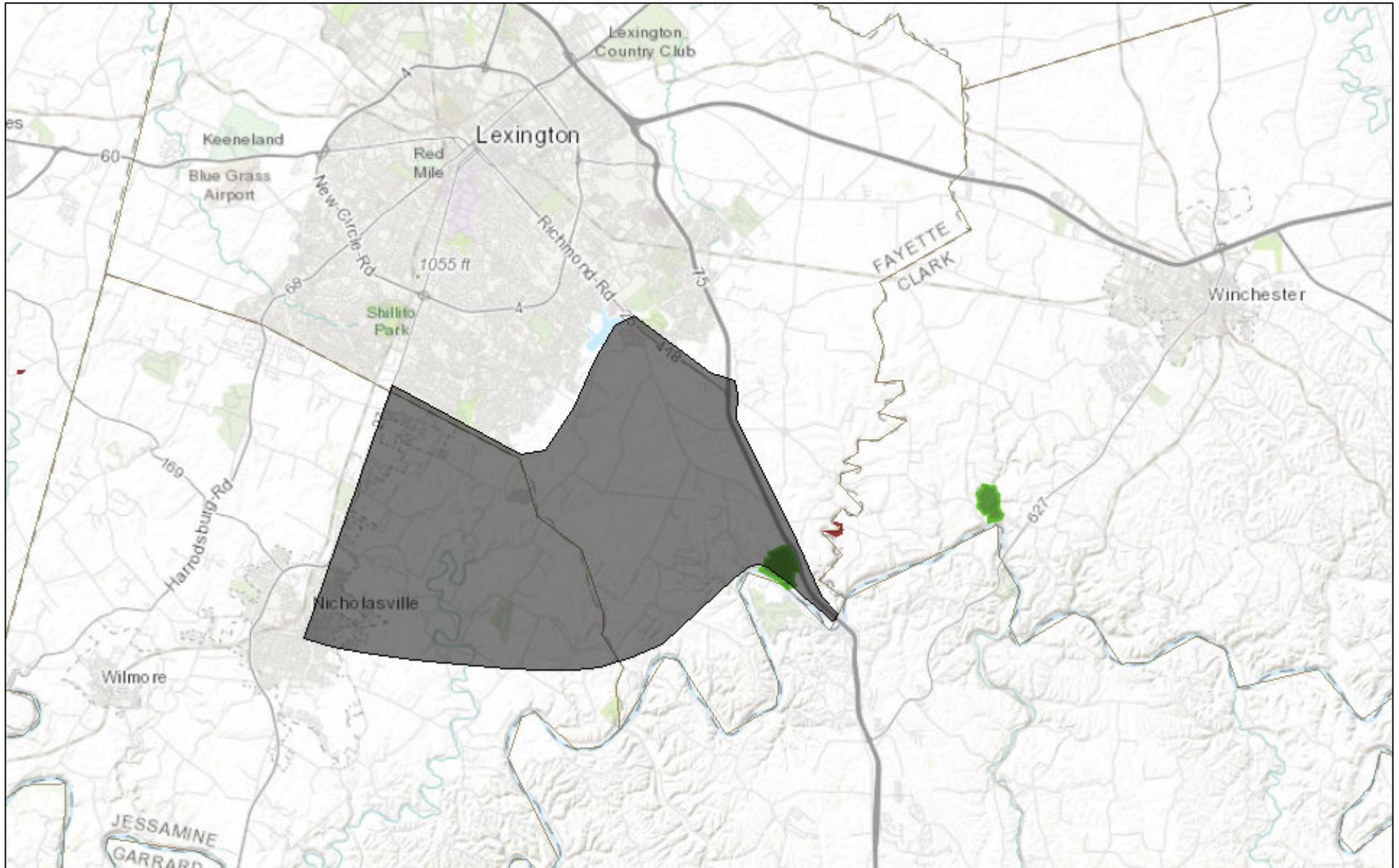
January 17, 2020

- Project Boundary
- Buffered Project Boundary
- Element Occurrences
- USFWS Critical Habitats



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

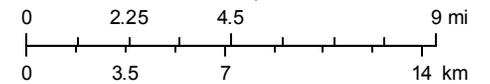
KSNPC Map Database



January 16, 2020

-  id_critical_habitat_polygons
-  State Nature Preserves
-  Wild Rivers (Corridors)
-  Generalized County Lines
-  State Natural Areas

1:265,423



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

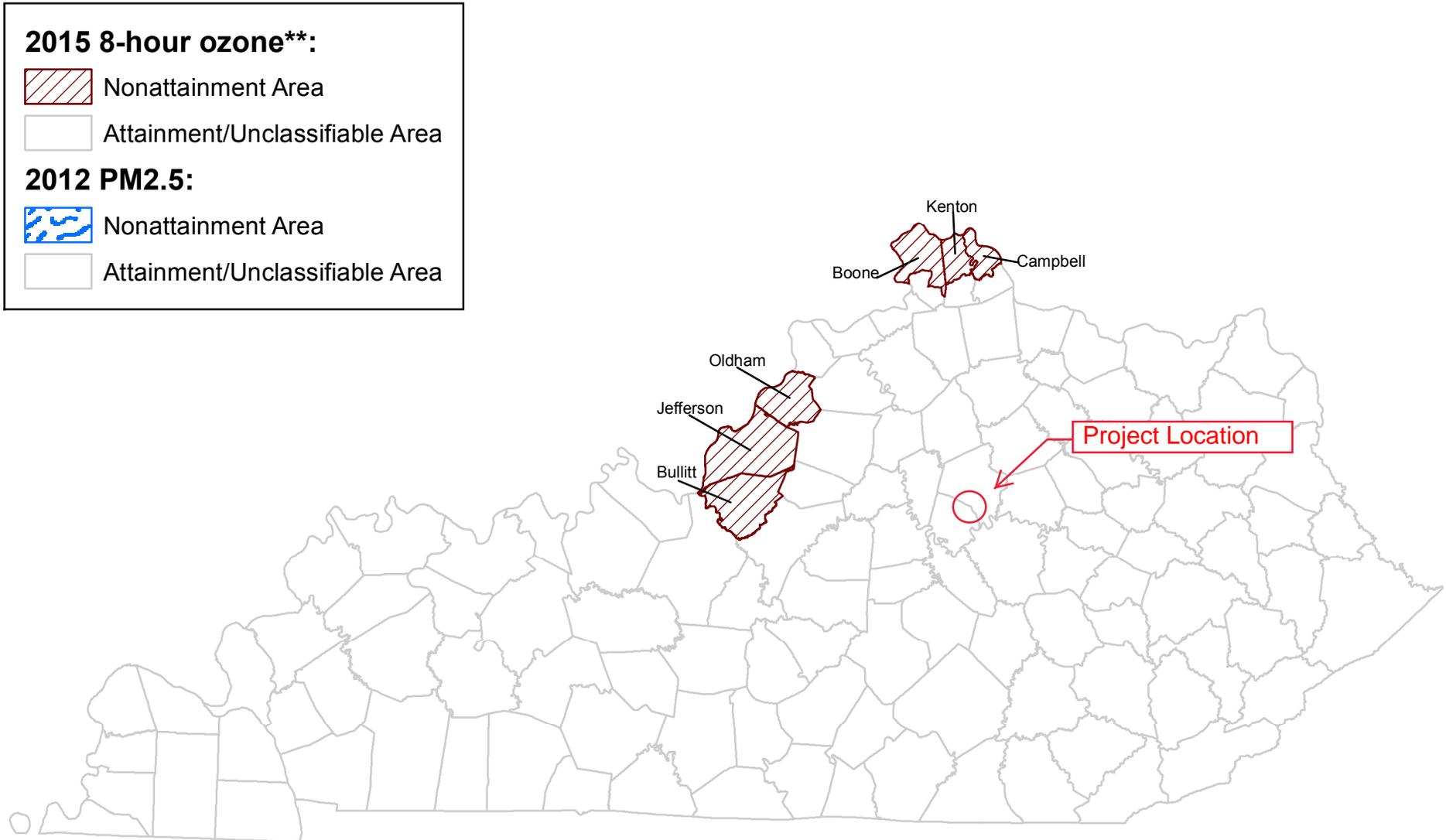
Attachments

ATTACHMENT 2

Areas of Air Quality Concern in Kentucky



Areas of Air Quality Concern in KY



**The 2015 8-hour ozone NAAQS includes the counties of Jefferson, Oldham, Bullitt, and partial counties of Boone, Kenton, and Campbell .

As of March 2019

Attachments

ATTACHMENT 3

Cemetery Locations in Fayette and Jessamine Counties



Fayette County

Note: Additional information may be found in the county files in the library of the Kentucky Historical Society

| Cemetery Name | Address | City | Zip | # of graves | Notes |
|---------------------------------|--|-----------|------------|-------------|--|
| AFRICAN CEMETERY # 2, INC. | 419 E SEVENTH ST | Lexington | 40508-1527 | 0 | |
| African Cemetery No. 2 | 7th St. PO Box 54874 | Lexington | 40555-4874 | 5000 | |
| ATHENS CEMETERY | 6291 ATHENS BOONESBORO RD | LEXINGTON | 40509 | 0 | |
| Cadentown Cemetery | Approximately 80 burials located at 705 Caden Lane, Lexington, KY | | | 0 | |
| CALVARY CEMETERY | 900 W MAIN ST | LEXINGTON | 40508-2040 | 0 | |
| COL JOHN GRAVES (KY HORSE PARK) | 4089 IRON WORKS PKWY | LEXINGTON | 40511 | 3 | |
| FOREST HILL CEMETERY | 950 WHITNEY AVE | LEXINGTON | 40508-153 | 0 | |
| GREENWOOD CEMETERY | 370 PRICE RD | LEXINGTON | 40511 | 0 | |
| Harris Family Lot | 3059 Todds Rd | Lexington | | 0 | These areas are know as African American dwellings, starting in the 1800's. NOTE; {this sounds like Cadentown or a part of it...said it is on Todd's Rd mw These areas are know as African American dwellings, starting in the 1800's. |
| HIGHLAND MEMORIAL | 215 LISLY RD | LEXINGTON | | 0 | |
| HILLCREST MEMORIAL PARK | 1089 VERSAILLES RD | LEXINGTON | 40504-1468 | 0 | |
| Hillcrest Memorial Park | 2089 Versailles Rd. | Lexington | 40504 | 26000 | |
| Hull Burying Ground | Between 2101 Nicholasvile Rd, a medical bldg. woned by Baptist Hospital, Inc. and Continental towers | Lexington | | 0 | |
| LEXINGTON CEMETERY | 833 W MAIN ST | LEXINGTON | 40508-2021 | 0 | HENRY CLAY; OTHER ELECTED OFFICIALS |
| SALYERS (KY HORSE PARK) | 4089 IRON WORKS PKWY | LEXINGTON | 40511 | 3 | |
| SS John & Elizabeth | 799 State Hwy 1947 | Lexington | | 2 | 2 former parishioners are buried here |
| UNKNOWN | 1809 1/2 VERSAILLES RD (REAR) NOT HILLCREST) | LEXINGTON | 40511 | 0 | |

Jessamine County

Note: Additional information may be found in the county files in the library of the Kentucky Historical Society

| Cemetery Name | Address | City | Zip | # of graves | Notes |
|-------------------------|--------------------------------------|--------|-----|-------------|---|
| Fain Cemetery | 1554 Hunters Ferry Pike | | | 0 | |
| ANDERSON | BURFORD MOSS FARM/VINCE RD | | | 0 | |
| ANTICOCK CHURCH CEM | | | | 0 | |
| ANTIOCK CEMETERY | POLLARD | | | 0 | |
| ANTIOCK CHURCH CEMETERY | POLLARD | | | 0 | |
| ARNOLD | HICKORY HILL FARM ESTATES | SPEARS | | 0 | |
| ARNOLD CEM | SHUN PIKE | | | 0 | |
| ARNOLD CEME | ADAMS FARM/LOGANA RD | | | 0 | |
| Arnold Cemetery | 2181 Logana Pike | | | 0 | |
| Arnold Cemtery | 575 Marble Creek Lane | | | | African American. Total number of graves is unknown. Private burial ground for Arnold Family. |
| BAKER | NEWMAN RD | | | 0 | |
| BAKER CEMET | CHARLES RATCLIFF FARM/TATES CREEK RD | | | 0 | |
| BAKER CEMETERY | SNOWDEN LN OFF HOOVER PIKE | | | 0 | |
| BARKLEY CEM | PINE LANE FARM/KY 169 | | | 0 | |
| Barkley Cemetery | 1930 Keene Pike | | | 3 | |
| BARNES CEM | DOCK COBB FARM/MT LEBANON RD | | | 0 | |
| Barnes Cemetery | 1156 Hunters Ferry Road | | | 2 | |
| BEAUMONT | BEAUMONT FARM/BEAUMONT RD | | | 0 | |
| BENTON CEM | FRANK WILLIAM FARM/MARBLE CREEK LN | | | 0 | |

| | | | | | |
|-----------------------------|---------------------------------|----------------|--|---|------------------|
| BISHOP | WILLIAM REYNOLDS FARM/PEKIN RD | | | 0 | |
| BISHOP/BOONE/HAGGIN | CLOVER BOTTOM | | | 0 | |
| BLACKMAN CEM | CHARLIE TEATER FARM | LITTLE HICKMAN | | 0 | |
| BLAKEMAN/DEAN | | LITTLE HICKMAN | | 0 | |
| BLAKEMAN/DEAN CEM | 1615 LANGFORD PASS | | | 0 | LAST BURIAL 1929 |
| Blakeman/Peel Cemetery | Little Hickman | | | 0 | |
| BLUE GRASS MEMORIAL | US 68 | | | 0 | |
| BLUE GRASS MEMORIAL GARDENS | US HWY #68 | | | 0 | |
| BOOKER | JOTON BOGIE FARM/LITTLE HICKMAN | | | 0 | |
| BOURN | KINNEY FARM/GROGGINS FERRY RD | | | 0 | |
| BOURNE | US 27 | | | 4 | |
| BOURNE CEME | W I STINNET FARM/BETHANY PIKE | | | 0 | |
| BOURNE CEMET | VIRGIL MILLER FARM/BETHANY PKE | | | 0 | |
| BOURNE CEMET ERY | JIMMY PEEL FARM/US 27 S | | | 0 | |
| BOURNE CEMETERY | BETHANY PIKE | | | 0 | |
| BOWMAN/SMITH | BETHEL | | | 0 | |
| BRAYN FAMILY | 225 WAVELAND MUSEUM LN | | | 1 | |
| BRIDGES | ED BRIDGES FARM/US 27 S | | | 0 | |
| BRIDGES CEM | PLUCKEMIN/LITTLE HICKMAN | | | 0 | |
| BRONAUGH | CLYDE HAYDEN FARM/LOGANA RD | | | 0 | |
| BRONAUGH CEM | Logan Road | | | 0 | |
| BROOKS | BAKER FARM/BAKER LN | | | 0 | |
| BRUMFIELD CEM | KNIGHT FARM/LOGANA RD | | | 0 | |

| | | | | | |
|-------------------------------|--|----------------|--|----|--|
| BRUMFIELD CEMET | | LITTLE HICKMAN | | 0 | |
| BRUMFIELD CEMETERY | GAYHAR LN | | | 0 | |
| Brumfield Cemetery | 1970 Union Mill Road | | | 28 | |
| BRUMFIELD/PREWITT | FAYETTE BROOKS FARM | LITTLE HICKMAN | | 0 | |
| BRUNER | ARMSTER BRUNER FARM/CREAM RIDGE | | | 0 | |
| BRUNER CEM | HARMAN TEATER FARM | LITTLE HICKMAN | | 0 | |
| Bruner Cemetery | 321 Teater Lane. In need of weeds cut and sprayed to control | | | 10 | |
| Bruner Cemetery | 5340 Sugar Creek | | | 0 | |
| BRYAN | WAVELAND | | | 0 | |
| BRYAN CEM | JAMES ROBB FARM/US 27 N | | | 0 | |
| BURDETT | CAMP NELSON | | | 0 | |
| BURDETT CEMETERY | CHURCH ST | CAMP NELSON | | 0 | |
| BURDINE CEM | VIRGIL MURPHY FARM/MT LEBANON RD | | | 0 | |
| BURTON CEM | SAGESER MILL | | | 0 | |
| BUTLER | WALLACE PL/US 27 S | | | 0 | |
| BUTLER CEM | BOBBY KELLER FARM/KY 169 | | | 0 | |
| CAMP NELSON CEM | CAMP NELSON | | | 0 | |
| CAMP NELSON NATIONAL | US 27 | | | 0 | |
| CAMP NELSON NATIONAL CEM | | | | 0 | |
| CAMP NELSON NATIONAL CEM | 6980 DANVILLE PIKE | | | 0 | |
| CAMP NELSON NATIONAL CEMETERY | PAYNE LANE | CAMP NELSON | | 0 | |
| CAMPBELL CEMETERY | HANDY BEND RD | Wilmore | | 0 | |
| CANTER | EDDIE MCQUERRY FARM/CREAM RIDGE | | | 0 | |

| | | | | | |
|---------------------|--|----------------|-------|-----|--|
| CANTER CEM | EARL VICKERS FARM | LITTLE HICKMAN | | 0 | |
| CARATHERS | CECIL PERKINS FARM/KY 169 | | | 0 | |
| CARROLL | OLD MYERS PL | VALEY VIEW | | 2 | |
| CARROLL/JOHNSON CEM | JOSEPH CHRISTIAN FARM/END OF NEWMAN RD | | | 0 | |
| CARTER CEM | CY TEATER FARM | LITTLE HICKMAN | | 0 | |
| CARTER CEME | MONTGOMERY FARM/SUGAR CREEK PIKE | | | 0 | |
| CARTER CEMETERY | GARHART LN | | | 0 | |
| CHANDLER | MACKEY FARM/MACKEY RD | | | 0 | |
| CHAPMAN | CURT EAST FARM | | | 0 | |
| CHAPMAN | LOGANA RD | | | 4 | |
| CHRISMAN | DEARINGER FARM/INTERSECTION HANDY BEND-WILMORE RD | | | 0 | |
| CHRISMAN | US 27 NORTH | | | 7 | |
| CHRISMAN CEM | US 27 N | | | 0 | |
| CLEVELAND CEM | COLLINS FARM/KEENE | | | 0 | |
| COBB CEM | CHRISMAN MILL RD | | | 0 | |
| COBB CEMET | INTERSECTION OF ELM FORK AND POLLARD RD | | | 0 | THIS CEM IS BELIEVED TO BE DESTROYED. OWNERS WILL NOT ALLOW VISITS OR MAINTENANCE. |
| COBB CEMETERY | 1200 CHRISMAN MILL RD | NICHOLASVILLE | 40356 | 150 | LOCATED ON A HILL OVERLOOKING COUNTRYSIDE AND HAS GRAVE STONES FROM MID 1800'S. CURRENTLY HEAVILY OVERGROWN SANDERS CEMETERY TAYLOR RIDGE RD JESSAMINE COUNTY KY |
| COGAR | DICK HOUP FARM/PEKIN LN | | | 0 | |
| COL JOHN PRICE | MILES GULLETTE FARM/E HICKMAN RD | | | 0 | |
| COMLEY CEM | | | | 0 | |

| | | | | | |
|---------------------|---|----------------|--|----|--|
| COOLEY CEM | SHUN PIKE | | | 0 | |
| CORMAN CEMETERY | BETHEL PIKE | | | 0 | |
| CORNER CEMETERY | COOK BROTHERS FARM Corner of US 68 & McCaulry Pike | | | 0 | |
| CRAVEN CEM | Union Mill Rd. | | | 0 | |
| CREECH | SAVAGE FARM/GROGGINS FERRY RD | | | 0 | |
| CROCKETT | JOHN A BAKER FARM/CATNIP HILL RD | | | 0 | |
| Crockett Cemetery | Catnip Hill Road | | | 18 | |
| CRUTCHER | JESSAMINE COUNTY HIGH SCHOOL/KY 29 | | | 0 | |
| CRUTCHER CEMETERY | JESS COUNTY HIGH SCHOOL | | | 0 | |
| CURD CEM | HANDY BEND RD | | | 0 | |
| DAVIS | DAVID WISE FARM/BEAUMONT RD | | | 0 | |
| DAVIS CEM | VIRGIL SNOWDEN FARM | SULPHER WELL | | 0 | |
| DAVIS CEMETERY | CORNER OF HOOVER AND SULPHER WELL RD | | | 0 | |
| DAWSON | CAIN FARM/BETHTEL PIKE/CORMAN LN | | | 0 | |
| DAWSON/PRENTICE CEM | GLASS MILL | | | 0 | |
| DEAN CEM | WALDEN DEAN FARM/LITTLE HICKMAN | | | 0 | |
| DEAN CEMETERY | | LITTLE HICKMAN | | 9 | |
| DEAN/DENNIS | CLEAR CREEK PIKE | | | 0 | |
| DEBOE | PARKS FARM/CHRISMAN MILL RD | | | 0 | |
| DICKERSON | DAVID COLLINS FARM/UNION MILL RD | | | 0 | |
| DICKERSON CEM | JOHN PRESTON FARM/CHRISMAN MILL RD | | | 0 | |
| DICKERSON CEME | MILLER FARM/LOGANA RD | | | 0 | |
| DICKERSON CEMETERY | CHRISMAN MILL RD | | | 0 | |

| | | | | | |
|-----------------------------|------------------------------------|----------------|--|---|------------------|
| DINWIDDIE | HOMER JOHNS FARM/LOGANA RD | | | 0 | |
| DRAKE | DRAKE LN | | | 0 | |
| DUNCAN CEM | MAIN ST | NICHOLASVILLE | | 0 | |
| DUNCAN CEME | MAIN ST | NICHOLASVILLE | | 0 | |
| DUNCAN CEMETERY | NORTH MAIN ST | NICHOLASVILLE | | 0 | LAST BURIAL 1876 |
| DUNCAN CEMETERY | MAIN ST | NICHOLASVILLE | | 0 | |
| EARTHENHOUSE CEM | VIRGIL MILLER FARM/SHORT SHUN PIKE | | | 0 | |
| EBENEZER | | | | 0 | |
| EBENEZER CHURCH CEMETERY | | | | 0 | |
| ED TAYLOR FARM CEMETERY | WATTS MILL RD | | | 5 | |
| ELGIN | WILLIAM QUILLEN FARM/US 68 N | | | 0 | |
| ELGIN FAMILY | 110 WOODSIDE WAY | | | 3 | |
| EMMITT TAYLOR | HIGH BRIDGE | | | 0 | |
| ENGLISH CEMETERY | MT LEBANON RD | | | 0 | |
| EVINS | CREAM RIDGE | | | 0 | |
| FAIN CEME | HAZEL MASTERS FARM | SULPHER WELL | | 0 | |
| FAIN CEMET | HORACE ANDERSON FARM | SAGEASERS MILL | | 0 | |
| FAIN CEMETERY | Sagesers Mill off Sugar Creek | | | 0 | |
| FAIN CEMETERY | MT LEBANON RD | | | 0 | |
| FAIN CEMETERY | POLLARD RD | | | 0 | |
| FAIN/HOUSE CEM | | | | 0 | |
| FAIN/REYNOLDS/HURT CEM | | | | 0 | |
| FAIN/REYNOLDS/HURT CEMETERY | POLLARD RD | | | 0 | |

| | | | | | |
|------------------|--------------------------------------|-----------|--|-----|--|
| FARRA CEM | KNIGHT FARM/CATNIP HILL RD | | | 0 | |
| FARRA CEME | FOUNT BAKER FARM/CATNIP HILL RD | | | 0 | |
| FARRA CEMETERY | LESTER COMBS FARM/US 27 N | | | 0 | |
| Farra Cemetery | 6289 Harrodsburg Road | | | 0 | |
| Farra Cemetery | 3031 Catip Hill Pike | | | 7 | |
| FERRELL CEM | SUGAR CREEK PIKE | | | 0 | |
| FERRELL CEMETERY | SUGAR CREEK PIKE | | | 100 | |
| FISH CEM | CURRY TEATER FARM/VINCE RD | | | 0 | |
| FITCH CEM | US 27 S | | | 0 | |
| Fitch Cemetery | 6411 Danville Pike | | | 7 | |
| FOSTER | SHERMAN DEAN FARM/SUGAR CREEK PIKE | | | 0 | |
| FOSTER CEM | WATTS MILL RD | | | 0 | |
| FROST | OLD ROCK HOUSE/KEENE | | | 0 | |
| FUNK CEM | JOHN R JAMES FARM | SHUN PIKE | | 0 | |
| GEORGE O'NEAL | PARKS LN | | | 2 | |
| GEORGE VAUGHN | JP REYNOLDS FARM/BROOKLYN HILL US 68 | | | 0 | |
| GILLISPIE | TURNER FARM/BRANNON RD | | | 0 | |
| GILMORE | ASH GROVE PK | | | 14 | GRAVE OF A REV WAR VET; DEATH DATE OF 1798 |
| GILMORE CEM | JOHN WEST FARM/ASH GROVE PIKE | | | 0 | |
| GOOCH | 2765 UNION MILL RD | | | 2 | REV. SOLDIER, JAMES GOOCH IS BURIED HERE WITH HIS WIFE |
| GOOCH CEM | LEROY DAVIS FARM/UNION MILL RD | | | 0 | |
| GRAVES CEM | BLEVINS FARM/KY 169 | | | 0 | |
| GREGG | UNION MILL RD | | | 0 | |

| | | | | | |
|---------------------------------|---------------------------------------|----------------|--|----|---|
| GREGG/MCCAMPBELL | VIRGIL MILLER FARM | | | 0 | |
| GRIFFING | HOWARD DOWNING FARM/US 27 S | | | 0 | |
| GRIFFING CEM | GLASS FARM/US 27 S | | | 0 | |
| Griffing Cemetery | 6700 Danville Pike | | | 2 | Buial place of Rev. soldier Jasper Griffing |
| Griffing Cemetery | Scott Lane | | | 3 | |
| GRIGSBY | JW CARSON FARM/HIGH BRIDGE | | | 0 | |
| GROW CEM | SHUN PIKE | | | 0 | |
| GROW CEMETERY | OTIS WILDER FARM/SHUN PIKE | | | 0 | |
| GUERRANT | JORDAN THOMPSON FARM/SOUTH OF WILMORE | | | 0 | |
| Guerrant Cemetery | 825 High Bridge Pike | | | 1 | Only one stone. |
| GULLETTE CEM | FRANK WILLIAM FARM/MARBLE CREEK LN | | | 0 | |
| HAGAN | VERNIE CARTER FARM | LITTLE HICKMAN | | 0 | |
| Hale Cemetery, African American | NEWMAN RD | | | 0 | |
| HAMELTON | PRESBYTERIAN CHURCH/1ST ST | | | 0 | |
| HAMPTON | CAVE SPRING FARM/KY 169 | | | 0 | |
| Hampton Cemetery | 169 Atlas Farm at Cave Springs | | | 7 | |
| HARBAUGH | ASH GRIVE LAND | | | 24 | |
| HARBAUGH | BUFORD FARM/ASH GROVE PIKE | | | 0 | |
| HARRIS/WOODARD CEM | WATTS MILL RD | | | 0 | |
| HAWKS | JAMES LOCKET FARM/KEENE | | | 0 | |
| HAYDEN | TOM PARKS FARM/US 68 | | | 0 | |
| HERSBERGER | MAHIN FARM/KEENE | | | 0 | |
| HILL CEMETERY | SCOTT FARM/BAKERS LN | | | 0 | |

| | | | | | |
|-----------------------------------|---|----------------|--|---|--|
| Hill Cemetery | Chrisman Mill road | | | 1 | |
| Hinter Cemetery | 2325 Logan Pike | | | 0 | |
| HOLBERT | WILSON FARM/KY 169 | | | 0 | |
| HOLLOWAY | WATKINS FARM/CLEAR CREEK PIKE | | | 0 | |
| HOOVER | MARFEZ FARM/WILMORE | | | 0 | |
| HOOVER CEM | MONTY CARPENTER FARM | LITTLE HICKMAN | | 0 | |
| HOOVER CEMETERY | WATTS MILL RD | | | 0 | |
| Hoover Cemetery | Wilmore Road | | | 6 | |
| HORN CEMETERY | ROY GULLETTE FARM/HIGH BRIDGE | | | 0 | |
| HOUP CEM | HIGH BRIDGE | | | 0 | |
| HOUSE CEM | | | | 0 | |
| HOUSE CEM/HENRY REYNOLDS CEMETERY | KISSING RIDGE RD | | | 0 | |
| HOUSE CEMETERY | ARN BRUNER FARM | KISSING RIDGE | | 0 | |
| HOUSE CEMETERY | POLLARD RD | | | 0 | |
| HOWARD | GERTRUDE WATTS YARD/NEAR METHODIST CHURCH ON W MAPLE ST | NICHOLASVILLE | | 0 | |
| HUDSON | MOONIE ROBINSON FARM | SULPHER WELL | | 0 | |
| HUGHES CEM | CHRISMAN MILL RD | | | 0 | |
| HUGHES CEMETERY | 2500 CHRISMAN MILL RD | | | 0 | |
| HUGHES/RICHARDS | MARBLE CREEK LN | | | 0 | |
| HUNTER | JOHN BALLARD FARM/LOGANA RD | | | 0 | |
| HUNTER CEM | BURCH WILEY FARM | | | 0 | |

| | | | | | |
|-------------------------|--|----------------|--|----|--|
| HUNTER CEMETERY | 1720 KISSING RIDGE RD | | | 0 | HAS VISITORS FOR HISTORICAL INFORMATION. THE HUNTER FAMILY WAS ONE OF THE FIRST FAMILIES IN JESSAMINE COUNTY. POSSIBLY ONE OF THE SURVEYORS. |
| Hunter Graves | 491 Water Works Rd. | | | 0 | |
| HUNTER/JOHNSON | SHIRLEY COBB FARM/POOR HOUSE RD/CHRISMAN MILL RD | | | 0 | |
| INFIRMARY CEM | POOR HOUSE FARM/PARK DR | NICHOLASVILLE | | 0 | |
| INFIRMARY CEMETERY | PARK DR | | | 32 | |
| IRVIN CEM | GAYHAR LN | | | 0 | |
| IRVINE CEM | TEATER FARM/LITTLE HICKMAN | | | 0 | |
| ISAAC SHELBY CEM | 1215 HIGH POINT DR | | | 0 | HISTORICAL CEM - GRANDSON OF THE GOVERNOR ISAAC SHELBY BURIED THERE. |
| JACKSON | CLARENCE MARRS FARM/ASH GROVE PIKE | | | 0 | |
| JACKSON CEM | SULPHER WELL | | | 0 | |
| Jackson Cemetery | Orginally located on Ash Grove Pike | | | 1 | Original location of cemetery is unknown. Stone could be lost. Possibly African American cemetery. |
| JENNINGS CEM | RUSSELL HAMM FARM | LITTLE HICKMAN | | 0 | |
| Jessamine Buring Ground | 1165 Shirt Shun Road | | | 5 | |
| JEWELL CEM | ONE MILE SW OF WILMORE | | | 0 | |
| JEWELL CEME | WILLIAM LOWRY FARM/GILLISPIE LN | | | 0 | |
| JEWELL/WALTER CEM | 115 GILLESPIE LN | | | 0 | SUPPOSED TO BE TRENCHES WHERE THEY BURIED CHOLERA VICTIMS |
| John Reynolds Cemetery | Sycamore Lane off Elm Fork | | | 0 | |
| JOHNS | ARVIN FARM/SHUN PIKE | | | 0 | |
| JOHNSON CEMETERY | Behind water plan on Water Works Rd. | | | 0 | |
| Johnson Cemetery | Union Mill Road (Marble Creek Subdivision) | | | 19 | |
| Johnson Cemetery | 575 Marble Creek Lane | | | | |

| | | | | | |
|--------------------------|--|---------------|--|-----|---|
| Johnson Cemetery | Behind water plant on water works road | | | | There are only three stones readable. Large cemetery with unreadable stones. |
| KEENE | | KEENE | | 270 | |
| KEENE CEM | | | | 0 | |
| KENNE CEM | | KEENE | | 0 | |
| KERSEY | DENNY CHEEK FARM/BEAUMONT RD | | | 0 | |
| KNIGHT | ALMAHURST FARM/KY 169 | | | 0 | |
| KNOCK/MOORE | BT MOYNAHAM FARM | SULPHER WELL | | 0 | |
| KNOCK/MOORE CEM | BT MOYNAHAN FARM SULPHER WELL RD | | | 0 | LOCATED A REV WAR SOLDIERS MILITARY STONE THAT HAS NEVER BEEN UNCRATED AND THE FAMILY HAS AGREED TO LET US SIT IT IN THIS CEMETERY. DEATH DATE BELIEVED TO BE ABOUT 1868. LAST KNOWN BURIAL 1864. |
| LAND CEM | WILLIS FARM/TAYLOR RIDGE/MT LEBANON RD | | | 0 | |
| Land Cemetery | Taylor Ridge Road | | | 13 | |
| LAND/SPEARS | TUTTLE FARM | SPEARS | | 0 | |
| LASURE | MAHIN FARM/KEENE | | | 0 | |
| LILLARD/NOOE CEM | BROOKLYN HILL US 68 S | | | 0 | |
| Lillard/Nooe Cemetery | 9620 Harrodsburg Rd. | | | 6 | |
| LOCUST GROVE (BLACK) | 3RD ST | NICHOLASVILLE | | 0 | |
| LOWEN | UNION MILL RD | | | 10 | |
| LOWEN CEM | MUIR FARM | UNION MILL | | 0 | |
| LOWRY CEM | LEXINGTON AVE | WILMORE | | 0 | |
| MACEDONIA | | KEENE PIKE | | 0 | |
| MACEDONIA (BLACK) | KEENE | | | 0 | |
| MACEDONIA BAPTIST CHURCH | BLACK BRIDGE | SULPHER WELL | | 0 | |

| | | | | | |
|--------------------------|---|----------------|-------|-----|--|
| MACEDONIA BAPTIST CHURCH | Sulpher Well Rd. | | | 299 | |
| MAHIN | SILAS MAHIN FARM/KEENE | | | 0 | |
| MAHIN CEMETERY | MCCAULEY PIKE | | | 0 | |
| MAHIN CEMETERY | TROY PIKE | | | 0 | |
| MAPLE GROVE CEM | MAIN ST | NICHOLASVILLE | | 0 | |
| Maple Grove Cem | | Nicholasville | | 0 | |
| MAPLE GROVE CEMETERY | 500 N MAIN | NICHOLASVILLE | 40356 | 0 | MAPLE GROVE CEMETERY IS A VERY OLD CEMETERY WITH A LOT OF HISTORY. CIVIL WAR VETERANS HAVE THEIR OWN SECTION. THE OLDEST PART OF THE CEMETERY HAS BEAUTIFUL STATUES MARKING GRAVES. MAPLE GROVE WAS ESTABLISHED IN 1849. |
| MARRS | KNIGHT FARM/CATNIP HILL RD | | | 0 | |
| Marrs Cemetery | Catnip Hill...Ramsey Farm | | | 3 | |
| MARSHALL | SHERMAN COLE FARM/VINCE RD | | | 0 | |
| Martin Cemetery | 6585 Tates Creek Pike. 8 graves. 4 readable. Cemetery is maintained by land owners. | | | 0 | Historical for Rev. war soldier James Martin. |
| MASNER | ROCK QUARRY/CATNIP HILL RD | | | 0 | |
| MAYS | WEST FARM | SULPHER WELL | | 0 | |
| MAYS CEM | BUFORD TEATER JR FARM | LITTLE HICKMAN | | 0 | |
| Mays Cemetery | Sulphur Well Road | | | 0 | |
| MCCAULEY | JOHN LIPPETT FARM/KEENE | | | 0 | |
| MCGEE CEM | MCGEE FARM/PHILLIPS LN | | | 0 | |
| MCGEE CEME | MCGEE LN | | | 0 | |
| McGee Cemetery | 257 McGee Lane | | | 7 | |
| MEADE | CHAUMIERE PL/CATNIP HILL RD | | | 0 | |

| | | | | | |
|------------------------|---|---------------|--|---|--|
| MILLER CEMETERY | Snowden Lane | | | 0 | |
| MINK | STROD FARM/E HICKMAN RD | | | 0 | |
| MITCHELL | 2765 UNION MILL RD | | | 8 | |
| MITCHELL CEM | MITCHELL FARM/UNION MILL RD | | | 0 | |
| MITCHELL CEME | LUTHER BLAKEMAN FARM/KY 29 | | | 0 | |
| Mitchell Cemetery | Ky. #29. Only Two graves recorded. No maintenance. | | | 0 | |
| MOORE CEMETERY | 4040 Sulfer Well Rd. | SULPHER WELL | | 0 | |
| MOORE CEMETERY | | SULPHER WELL | | 0 | |
| MOORE/MOBERLY | JACKS CREEK PIKE | | | 0 | |
| MORAVIAN CEM | SHORT SHUN PIKE | | | 0 | |
| MORAVIAN CEMETERY | SHORT SHUN PIKE | | | 0 | |
| MOSE REYNOLDS | POLLARD RD | | | 0 | |
| MOSE REYNOLDS CEM | | | | 0 | |
| MOSE REYNOLDS CEMETERY | KISSING RIDGE RD | | | 0 | |
| MOSELEY | CAVE SPRING FARM/KEENE | | | 0 | |
| MOSELEY CEM | MEANSCO FARM/CLEAR CREEK PIKE | | | 0 | |
| MOSS CEM | CAMP NELSON/US 27 S | | | 0 | |
| Murrain Cemetery | Jessamine Stateion Road. Unknown number of graves. Only 3 stones visible. No graves available. No maintenance. | | | 0 | |
| NAVE CEM | SIM WEIL FARM/KY 29 | | | 0 | |
| NAVE cemetery | ROUTT FARM, 1201 Wilmore Rd. | | | 0 | |
| NAVE CEMETERY | 217 STIRRUP CT | | | 0 | HISTORICAL GRAVES OF JESSAMINE COUNTY DOCTOR AND HIS FAMILY. 1800'S. |
| NETHERLAND | OLD JAIL/MAIN ST | NICHOLASVILLE | | 0 | |

| | | | | | |
|-----------------------|--|---------------|--|----|--|
| | | | | | BEN NETHERLAND 29 FEB 1755- 10 OCT 1838 AND HIS WIFE THEODOCIA BRAMLETTE NETHERLAND 1766-1852. THESE TWO ARE BURIED UNDER THE DAIRY MART STORE ONLY THERE STONES PLACED NEXT DOOR AT THE OLD JAIL. BEN NETHERLAND ANOTHER REV. WAS SOLDIER AND IMPORTANT MAN |
| NETHERLAND FAMILY CEM | OLD JAIL MAIN ST | NICHOLASVILLE | | 0 | |
| NEWMAN CEME | KY HWY 169 | VALLEY VIEW | | 0 | |
| NEWMAN CEMET | NEWMAN RD | SPEARS | | 0 | |
| No name | City County Park 2 graves recorded. Maintained by the city. Not known who is buried there. | | | 0 | |
| NORTON | BROWN YOUNG FARM/BETHTEL PIKE | | | 0 | |
| OFFUTT CEME | TATES CREEK TRAILOR CT/TATES CREEK RD | | | 0 | |
| OLD MACEDONIA (BLACK) | | | | 0 | |
| O'NEAL | BETTY WHEELER FARM/US 68 | | | 0 | |
| O'NEAL CEM | MCMILLEN FARM/KEENE | | | 0 | |
| OTTINGER CEM | BARBEE FARM/EAST HICKMAN | | | 0 | |
| OVERSTREET | WARD FARM/US 27 S | | | 0 | |
| OVERSTREET CEM | RHINEHEIMER FARM/OFF BETHTEL PIKE | | | 0 | |
| PATTERSON | | WILMORE | | 28 | |
| PATTERSON | PATTERSON FARM/US 68 S | | | 0 | |
| PATTERSON CEM | ONE MILE SW OF WILMORE | | | 0 | |
| PATTON | JJ RICHARDSON FARM/UNION MILL RD | | | 0 | |
| PEEL CEM | ELM FORK RD | | | 0 | |
| PEEL CEMET | BLACK BRIDGE | | | 0 | |
| PEEL CEMETERY | ELM FORK RD | | | 0 | |
| Peel Cemetery | Sulphur Well Road | | | 0 | |

| | | | | | |
|---------------------------|--|----------------|--|----|---|
| PEEL CEMT | BILLY JUNE WARNER FARM/ELM FORK | | | 0 | |
| PERKINS | 3125 Frankfort Ford Rd. | | | 0 | |
| PERRY | JACK ARNOLD FARM/BETHANY PIKE | | | 0 | |
| PERRY CEM | BETHANY PIKE | | | 0 | AREA IS BEING SUBDIVIDED BUT OWNER HAS GIVEN WORD TO TAKE CARE OF CEM |
| PHILLIPS | LYNN MCCUDDY FARM/SHUN PIKE | | | 0 | |
| PILCHER | OSCAR LEWALLEN FARM/HAGGIN LN | | | 0 | |
| PLEASANT HILL CEM | ELM FORK | | | 0 | |
| PORTWOOD | STERN CONLEY FARM/CHRISMAN MILL RD | | | 0 | |
| POTTS/SAGESER CEM | SUGAR CREEK PIKE | | | 0 | |
| Potts/Sageser Cemetery | Sugar Creek Pike. Unknown graves have been destroyed. Only 2 stones remain and they are stored in the garage!!!!!! | | | 0 | |
| PRATHER CEM | JACKS CREEK PIKE | | | 0 | |
| PRESTON CEM | HAMM FARM/LOCK EIGHT RD | | | 0 | |
| PRICE CEM | 1691 CLEAR CREEK RD | | | 0 | |
| QUIMBY/BRUMFIELD CEM | | LITTLE HICKMAN | | 0 | |
| Quimby/Brumfield Cemetery | 2430 Little Hickman Rd | | | 36 | |
| REYNOLDS | JP REYNOLDS FARM/BROOKLYN HILL/US 68 | | | 0 | |
| REYNOLDS CEM | BRUTUS HILL FARM | | | 0 | |
| RHORER CEM | INTERSECTION OF GLASS MILL & BETHEL PIKE | | | 0 | |
| RICE | CHARLES HEADLEY FARM/US 68 N | | | 0 | |
| RIDDLE | COLLINS FARM/BETHANY PIKE | | | 0 | |
| RILEY | HENRY CARROLL FARM/CLEAR CREEK PIKE | | | 0 | |

| | | | | | |
|-------------------------|---|----------------|--|----|--|
| Robarbs Cemetery | Bakers Lane. CEMETERY IS ALMOST DESTROYED BY CATTLE. STONES BROKEN AND BURIED. VERY LITTLE LEFT. | | | 0 | |
| ROBARDS | BAKERS LN | | | 4 | |
| ROBERTS | CLAYS MILL EXENTED | | | 0 | |
| ROBINSON | BENNY UNDERWOOD FARM/BETHANY PIKE | | | 0 | |
| ROBINSON CEM | BETHANY PIKE | | | 0 | |
| RUSSELL | INTERSECTION OF US 68 & KY 29 | | | 0 | |
| RUSSELL CEMETERY | INTERSECTION OF US #68 AND KY #29 | | | 0 | |
| RUTHERFORD | BYURD FARM/UNION MILL RD | | | 0 | |
| RUTHERFORD CEM | BEN MONTGOMERY FARM/MACKEY PIKE | | | 0 | |
| Rutherford Cemetery | 2095 Union Mill Road | | | 13 | Is in need of clearing weeds and saplings. Has a nice wooden fence. Only one stone broken. |
| RUTHERFORD/WILMORE | RICHMOND RD | | | 0 | |
| RUTHERFORD/WILMORE CEM | 506 RICHMOND AVE | | | 0 | |
| RYLAND | JOE GENTRY FARM/TATES CREEK RD | | | 0 | |
| Ryland/Sale Cemetery | Tates Creek Pike. Cemetery is almost destroyed by cattle and may not be repairable. Need to establish coundry, set fence. | | | 0 | |
| RYLEY | CRYSTAL CREEK STUD FARM/CLEAR CREEK PIKE | | | 0 | |
| SAGESER CEM | 1285 Sugar Cr Rd. Hudson Lane off Sugar Cr. Rd, | | | 0 | |
| Sageser/Brooks Cemetery | 5901 Suger Creek. 5 graves recorded. None available. Very badly overgrown. No maintenance | | | 0 | |
| SAGESTER | BERNARD HARRIS FARM/WATTS MILL RD | | | 0 | |
| SAGESTER/BROOKS | JOHN A BROOKS FARM | LITTLE HICKMAN | | 0 | |
| SALLEE CEM | CAVE SPRING FARM/KEENE | | | 0 | |
| Sallee Cemetery | Highway 169, Atlas Farm at Cave Springs | | | 0 | |

| | | | | | |
|--------------------|---|---------------|--|---|---|
| SANDERS | TAYLOR RIDGE RD | | | 0 | |
| SANDERS CEM | TAYLOR RIDGE | | | 0 | |
| SCOTT CEM | HENRY EVANS FARM/US 27 S | | | 0 | |
| SCOTT CEME | MELVIN LAND FARM/US 27 S | | | 0 | |
| SCOTT CEMET | CREAM RIDGE | | | 0 | |
| SCOTT CEMETE | ARNOLD ESTATE FARM/KY 169/KEENE | | | 0 | |
| SCOTT CEMETERY | Off U.S. 27 South | US 27 S | | 0 | |
| Scott Cemetery | 5131 Danville Pike. 4 graves recorded. None available. | | | 0 | |
| Scott Cemetery | 5630 Sugar Creek Pike | | | 2 | |
| SHELBY CEM | FLETCHER FARM/UNION MILL RD | | | 0 | |
| SHREVE | ANNA PRICE YARD/3RD ST | NICHOLASVILLE | | 0 | |
| Simpson | JACK ARNOLD FARM/BETHANY PIKE | | | 0 | |
| SIMPSON CEM | BETHANY PIKE | | | 0 | REV WAR SOLDIER |
| SINGLETON CEMETERY | 6288 Harrodsburg Rd. Parks Lane | | | 0 | |
| SMITH | HALFIRELD FARM/MACKEY PIKE | | | 0 | |
| SMITH | 2765 UNION MILL RD | | | 6 | |
| SMITH CEM | BROWNWOOD FARM/US 68 | | | 0 | |
| SMITH CEME | JR WILSON FARM/KEENE | | | 0 | |
| SMITH CEMET | MOSELEY FARM | | | 0 | |
| SOPER | CW HACKENSMITH FARM/MARBLE CREEK LN | | | 0 | |
| Soper Cemetery | 579 Marble Creek Lane | | | 4 | Very old cemetery. Earliest 1812, latest is 1933. Enclosed in rock fence. One large tabel top stone 5 in thick. |
| STINNET CEM | | | | 0 | |
| STINNETT CEMETERY | POLLARD RD | | | 0 | |

| | | | | | |
|--------------------------|---|----------------|--|---|--|
| STINNETT/COMLEY | RIVER RD | POLLARD | | 0 | |
| TAPP | WI STINNETT FARM/MARBLE CREEK LN | | | 4 | |
| TAYLOR CEM | PETE BURDINE FARM | | | 0 | |
| TAYLOR CEME | NEWMAN RD | | | 0 | |
| TAYLOR CEMET | GILBERT BROOKS FARM/POLLARD RD & ELM FORK | | | 0 | |
| TAYLOR CEMETERY | EDWARD REYNOLDS FARM/MACKEY PIKE | | | 0 | |
| THOMAS | MARBLE CREEK | | | 0 | |
| Thomas Cemetery | African American cemetery on Watts Mill Lane. 4 recorded graves. No maintenance. | | | 0 | |
| THOMAS REYNOLDS CEMETERY | POLLARD RD | | | 0 | INCLUDED IN THE INDEX OF NAMES RECORDED FOR THIS CEMETERY IS A MONROE MILLER, DORA UPTON MILLER, THESE STONES ARE ON THE OUTSIDE OF THE THOMAS REYNOLDS FENCE. THEY ARE ON LAND ONCE OWNED BY THE MILLERS. |
| THOMPSON | Wilmore Rd. | | | 0 | |
| TODHUNTER | KEENE RD/KY 169 | | | 0 | |
| TRUE CEM | BRUTIS HILL FARM | | | 0 | |
| TURPIN | HUBERT UNDERWOOD FARM | LITTLE HICKMAN | | 0 | |
| TURPIN CEM | MUNDAYS LANDING | | | 0 | |
| Turpin Cemetery | Sulferwell Road. 1 grave recorded. Maintained by land owner. Not known how many graves there are. | | | 0 | |
| UNDERWOOD | BRUTUS PEEL FARM/ELM FORK | | | 0 | |
| UNDERWOOD CEMETERY | ELM FORK RD | | | 0 | |
| UNKNOWN | PERRY COLLINS FARM/US 27 N | | | 0 | |
| UNKNOWN | 309 W MAPLE ST | | | 0 | |

| | | | | | |
|----------------------------|---|----------------|--|----|---|
| Unknown | Beverly Dean Family, Lake Street. Deed excludes .08 acres. Believed to be African-American cemetery. Not known who is there. | | | 0 | |
| UNKNOWN1 | 101 N FIRST ST | | | 0 | CEMETERY DESTROYED IN ABOUT 1875 ACCORDING TO FAMILY LETTERS, WOULD LOVE TO LOCATE CHURCH RECORDS OF WHO WAS BURIED THERE. ONE STONE REMAINS. |
| UNKNOWN2 | 205 THIRD ST | NICHOLASVILLE | | 0 | THIS CEMETERY WAS DESTROYED LONG AGO. THE ONLY STONE REMAINING IS A REV. SOLDIER AND IMPORTANT MAN OF JESSAMINE COUNTY, WILLIAM SHREVE BORN AUG 1761 DIED JAN 1837 |
| VAUGHN | LAND BURYING GROUND | SPEARS | | 0 | |
| VINCE CEM | BAKERS LN | | | 0 | |
| VINTNER COBB | ELM FORK/POLLARD RD | | | 24 | |
| WADE CEM | CLAYTON HAGER FARM/POLLARD RD | | | 0 | |
| WADE CEMETERY | THORBURN WADE FARM | LITTLE HICKMAN | | 0 | |
| WAKE FAMILY BURIAL GROUNDS | INDUSTRIAL PARK | | | 0 | CEM IS IN DANGER OF BEING DESTROYED. IT HAS BEEN VERIFIED BY AN ARCHAEOLOGICAL STUDY MADE IN 1997. THE AREA WHERE IT IS LOCATED IS BEING DEVELOPED. RECORDS ON FILE AT THE U OF KY DEPT OF ANTHROPOLOGY. CONTAINS SOME GRAVES OF THE OLDEST AND MOST IMPORT |
| WALKER | TURNER FARM/PEKIN LN | | | 0 | |
| WALKER CEM | UNION MILL RD | | | 0 | |
| WALKER CEME | VALLEY VIEW | | | 0 | |
| WALKER CEMET | BRANNON RD | | | 0 | |
| Walker/Overstreet Cemete | Danville Pike | | | 0 | |
| WALLACE/REGAN CEM | CREAM RIDGE | | | 0 | |

| | | | | | |
|----------------------------|--|---------------|--|---|--|
| WALTER | STACY FARM | SULPHER WELL | | 0 | |
| Ware Cemetery | 1765 Hoover Pike | | | 0 | |
| WASHINGTON | HOBERT BURDINE FARM/CHRISMAN MILL RD | | | 0 | |
| WASHINGTON CEM | WILLIAM DALE FARM/US 27 N | | | 0 | |
| Washington Cemetery | U. S. 27North. 3 graves Cem. Almost destroyed by cattle. Stones are broken. LAND IS BEING DEVELOPED! | | | 0 | |
| Washington-Barnes Cemetery | Chrisman Mill Road | | | 0 | Needs to be weeded and tary to locate any stones to reset. |
| WATTS CEM | RALPH WATTS FARM/US 27 S | | | 0 | |
| WELCH | SHANNON PKWY | NICHOLASVILLE | | 0 | |
| WELCH CEM | US 27 S | | | 0 | |
| WELCH CEMETERY | COOK LN OFF KY 29 | | | 1 | |
| WELCH CEMETERY | 166 SHANNON PKWY | | | 0 | |
| WEST CEM | CLEAR CREEK PIKE | | | 0 | |
| WILLIAMS | MARBLE CREEK | | | 0 | |
| WILLIS | AR HOUSE FARM/BETHEL PIKE | | | 0 | |
| WILMORE | | WILMORE | | 0 | |
| WILMORE CEM | | WILMORE | | 0 | |
| WILMORE CEMETERY | DOWNTOWN WILMORE | | | 0 | |
| WOODS | KEENESWOOD FARM/KEENE | | | 0 | |
| WOODS CEM | KATE WOODS FARM/US 68 S | | | 0 | |
| Woods Cemetery | US 68 | | | 0 | |
| YATES | HANDY'S BEND | | | 0 | |
| YOUNG | BEN MCCRAY FARM/MONTGOMERY LN | | | 0 | |
| YOUNG | 2765 UNION MILL RD | | | 2 | |

| | | | | | |
|--------------------|---------------------------------------|--|--|----|---|
| YOUNG | ASH GROVE PIKE | | | 15 | |
| YOUNG CEM | CARLISLE HULLETTE FARM/ASH GROVE PIKE | | | 0 | |
| YOUNG CEME | SEWER PLANT ON ASH GROVE PIKE | | | 0 | |
| YOUNG CEMET | OTHA WALKER FARM/ASH GROVE PIKE | | | 0 | |
| YOUNG CEMETE | MARY MILLER FARM/BETHEL PIKE | | | 0 | |
| YOUNG CEMETER | SAM YOUNG FARM/TATES CREEK RD | | | 0 | |
| YOUNG CEMETERY | ABNER YOUNG FARM/ASH GROVE | | | 0 | |
| YOUNG CEMETERY | 3090 ASH GROVE PIKE | | | | |
| ZIMMERMAN | LEROY HALL FARM/E HICKMAN RD | | | 0 | |
| Zimmerman Cemetery | Est Hiskmen Road | | | 0 | Revolutionary war soldier---stone death date 1804 |

Attachments

ATTACHMENT 4

Cultural and Archaeological Historic Resources

Contains sensitive information not available for public use.



Attachments

ATTACHMENT 5

USDA Soil Resource Report





United States
Department of
Agriculture

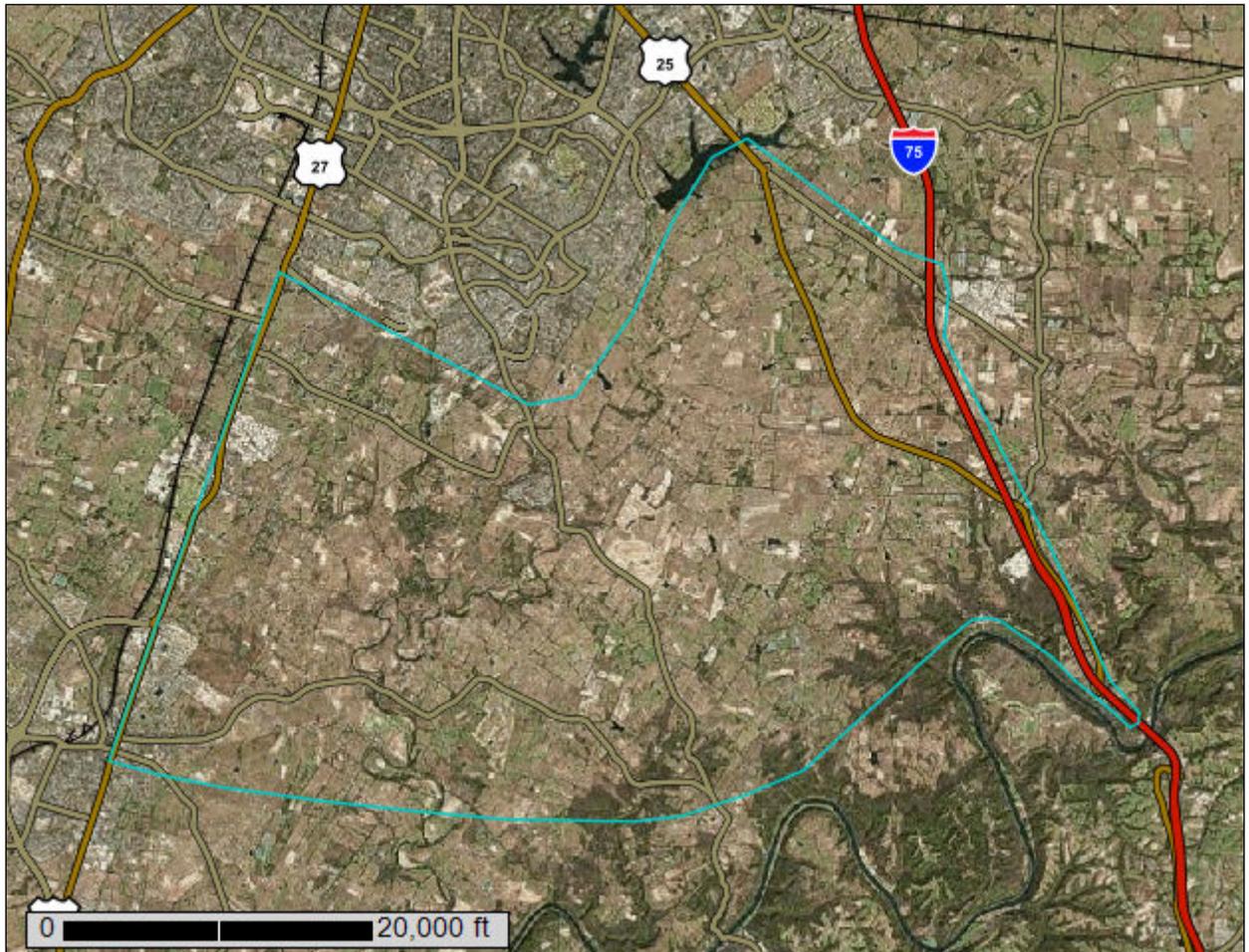
NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Fayette County Area, Part of Fayette County, Kentucky; and Jessamine and Woodford Counties, Kentucky

SE_Lex_FocusArea



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

| | |
|---|----|
| Preface | 2 |
| How Soil Surveys Are Made | 7 |
| Soil Map | 10 |
| Soil Map..... | 11 |
| Legend..... | 12 |
| Map Unit Legend..... | 14 |
| Map Unit Descriptions..... | 18 |
| Fayette County Area, Part of Fayette County, Kentucky..... | 20 |
| ArA—Armour silt loam, 0 to 2 percent slopes (elk)..... | 20 |
| ArB—Armour silt loam, 2 to 6 percent slopes (elk)..... | 21 |
| ArC—Armour silt loam, 6 to 12 percent slopes (elk)..... | 22 |
| BrB—Braxton silt loam, 2 to 6 percent slopes (maury)..... | 23 |
| BrC2—Braxton silt loam, 6 to 12 percent slopes, eroded (maury)..... | 25 |
| CaA—Otwood silt loam, 0 to 2 percent slopes, rarely flooded..... | 26 |
| CaB—Otwood silt loam, 2 to 6 percent slopes, rarely flooded..... | 28 |
| CfF2—Culleoka flaggy silt loam, 30 to 50 percent slopes, eroded..... | 29 |
| DoB—Donerail silt loam, 2 to 6 percent slopes..... | 31 |
| DoC—Donerail silt loam, 6 to 12 percent slopes..... | 32 |
| Ea—Egam silt loam (woolper)..... | 33 |
| Ec—Egam silty clay loam (woolper)..... | 35 |
| FaD—Fairmount very rocky silty clay loam, 6 to 20 percent slopes (fairmount-Rock outcrop complex)..... | 36 |
| FaD3—Fairmount very rocky silty clay loam, 6 to 30 percent slopes, severely eroded (fairmount-Rock outcrop complex)..... | 37 |
| FaF—Fairmount very rocky silty clay loam, 20 to 50 percent slopes (fairmount-Rock outcrop complex)..... | 39 |
| Hu—Huntington silt loam, 0 to 4 percent slopes, occasionally flooded..... | 40 |
| La—Lanton silty clay loam (dunning)..... | 42 |
| Lc—Lawrence silt loam, 0 to 2 percent slopes, rarely flooded..... | 43 |
| Ld—Lindside silt loam, 0 to 2 percent slopes, occasionally flooded..... | 45 |
| LpB—Loudon silt loam, phosphatic, 2 to 6 percent slopes (lawrence)..... | 46 |
| LpC2—Loudon silt loam, phosphatic, 6 to 12 percent slopes, eroded..... | 48 |
| LyC3—Lowell silty clay loam, 6 to 12 percent slopes, severely eroded..... | 49 |
| LyD3—Lowell silty clay loam, 12 to 20 percent slopes, severely eroded.... | 50 |
| MID2—Maury silt loam, 12 to 20 percent slopes, eroded..... | 51 |
| MmC3—Maury silty clay loam, 6 to 12 percent slopes, severely eroded (loradale)..... | 53 |
| MnB—McAfee silt loam, 2 to 6 percent slopes..... | 54 |
| MnC—McAfee silt loam, 6 to 12 percent slopes..... | 56 |
| MoC3—McAfee silty clay, 6 to 12 percent slopes, severely eroded..... | 57 |
| MoD3—McAfee silty clay, 12 to 20 percent slopes, severely eroded..... | 59 |
| MpB2—McAfee silty clay loam, 2 to 6 percent slopes, eroded..... | 60 |
| MpC2—McAfee silty clay loam, 6 to 12 percent slopes, eroded..... | 61 |
| MpD2—McAfee silty clay loam, 12 to 20 percent slopes, eroded..... | 63 |

Custom Soil Resource Report

| | |
|---|-----|
| MrD2—McAfee very rocky silty clay loam, 6 to 20 percent slopes, eroded (mcafee-Rock outcrop complex)..... | 64 |
| MrE2—McAfee very rocky silty clay loam, 20 to 30 percent slopes, eroded (mcafee-rock outcrop complex)..... | 66 |
| MsD3—McAfee very rocky silty clay, 12 to 20 percent slopes, severely eroded (mcafee-rock outcrop complex)..... | 67 |
| Mt—Melvin silt loam, 0 to 2 percent slopes, occasionally flooded..... | 69 |
| MuA—Mercer silt loam, 0 to 2 percent slopes..... | 70 |
| MuB—Mercer silt loam, 2 to 6 percent slopes..... | 71 |
| MuB2—Mercer silt loam, 2 to 6 percent slopes, eroded..... | 73 |
| MuC—Mercer silt loam, 6 to 12 percent slopes..... | 74 |
| MuC2—Mercer silt loam, 6 to 12 percent slopes, eroded..... | 76 |
| Ne—Newark silt loam, 0 to 2 percent slopes, occasionally flooded..... | 77 |
| Pt—Pits, quarries..... | 79 |
| Rk—Rock land (rock outcrop-fairmount complex, 20 to 50 percent slopes)..... | 79 |
| RuB—Nicholson silt loam, 2 to 6 percent slopes..... | 81 |
| RuC2—Russellville silt loam, 6 to 12 percent slopes (nicholson)..... | 82 |
| SaC3—Salvisa silty clay, 6 to 12 percent slopes, severely eroded..... | 83 |
| ScB2—Salvisa silty clay loam, 2 to 6 percent slopes, eroded..... | 85 |
| ScC2—Salvisa silty clay loam, 6 to 12 percent slopes, eroded..... | 86 |
| ScE2—Salvisa silty clay loam, 12 to 30 percent slopes, eroded..... | 87 |
| Ua—Urban land-armour-maury complex (urban land)..... | 89 |
| uBlmA—Bluegrass-Maury silt loams, 0 to 2 percent slopes..... | 91 |
| uBlmB—Bluegrass-Maury silt loams, 2 to 6 percent slopes..... | 93 |
| uLbiB—Lowell-Bluegrass silt loams, 2 to 6 percent slopes..... | 95 |
| uLfC—Lowell-Faywood silt loams, 6 to 12 percent slopes..... | 97 |
| uLfD—Lowell-Faywood silt loams, 12 to 20 percent slopes..... | 99 |
| uLsoB—Lowell-Sandview silt loams, 2 to 6 percent slopes..... | 101 |
| uMImC—Maury-Bluegrass silt loams, 6 to 12 percent slopes..... | 103 |
| W—Water..... | 105 |
| Jessamine and Woodford Counties, Kentucky..... | 106 |
| AsA—Ashton silt loam, 0 to 2 percent slopes..... | 106 |
| AsB—Ashton silt loam, 2 to 6 percent slopes..... | 107 |
| Bn—Boonesboro silt loam..... | 108 |
| CcC—Culleoka silt loam, 6 to 12 percent slopes..... | 109 |
| CcD—Culleoka silt loam, 12 to 20 percent slopes..... | 110 |
| CfE—Culleoka flaggy silt loam, 20 to 30 percent slopes..... | 112 |
| DoB—Donerail silt loam, 2 to 6 percent slopes..... | 113 |
| Du—Dunning silty clay loam, 0 to 2 percent slopes, occasionally flooded..... | 114 |
| ErB—Elk silt loam, 2 to 6 percent slopes, rarely flooded..... | 116 |
| ErC—Elk silt loam, 6 to 12 percent slopes, rarely flooded..... | 117 |
| FaC—Fairmount flaggy silty clay, 6 to 12 percent slopes..... | 119 |
| FcE—Fairmount-Rock outcrop complex, 12 to 30 percent slopes..... | 120 |
| FcF—Fairmount-Rock outcrop complex, 30 to 60 percent slopes..... | 121 |
| FdB—Faywood silt loam, 2 to 6 percent slopes..... | 123 |
| FdC—Faywood silt loam, 6 to 12 percent slopes..... | 124 |
| FdE—Faywood silt loam, 12 to 30 percent slopes..... | 125 |
| Hu—Huntington silt loam, 0 to 4 percent slopes, occasionally flooded..... | 127 |
| Lc—Lawrence silt loam, 0 to 2 percent slopes..... | 128 |
| Ld—Lindside silt loam, 0 to 2 percent slopes, occasionally flooded..... | 130 |
| MnB—McAfee silt loam, 2 to 6 percent slopes..... | 131 |
| MnC—McAfee silt loam, 6 to 12 percent slopes..... | 133 |
| MnD—McAfee silt loam, 12 to 20 percent slopes..... | 134 |

Custom Soil Resource Report

| | |
|---|------------|
| MoC3—McAfee silty clay, 6 to 12 percent slopes, severely eroded..... | 136 |
| MrD—McAfee-Rock outcrop complex, 6 to 20 percent slopes..... | 137 |
| Mt—Melvin silt loam, 0 to 2 percent slopes, occasionally flooded..... | 138 |
| Ne—Newark silt loam, 0 to 2 percent slopes, occasionally flooded..... | 140 |
| uBlmA—Bluegrass-Maury silt loams, 0 to 2 percent slopes..... | 141 |
| uBlmB—Bluegrass-Maury silt loams, 2 to 6 percent slopes..... | 143 |
| uLbiB—Lowell-Bluegrass silt loams, 2 to 6 percent slopes..... | 145 |
| uLfC—Lowell-Faywood silt loams, 6 to 12 percent slopes..... | 147 |
| uLsoB—Lowell-Sandview silt loams, 2 to 6 percent slopes..... | 149 |
| uMImC—Maury-Bluegrass silt loams, 6 to 12 percent slopes..... | 151 |
| W—Water..... | 153 |
| References | 155 |

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

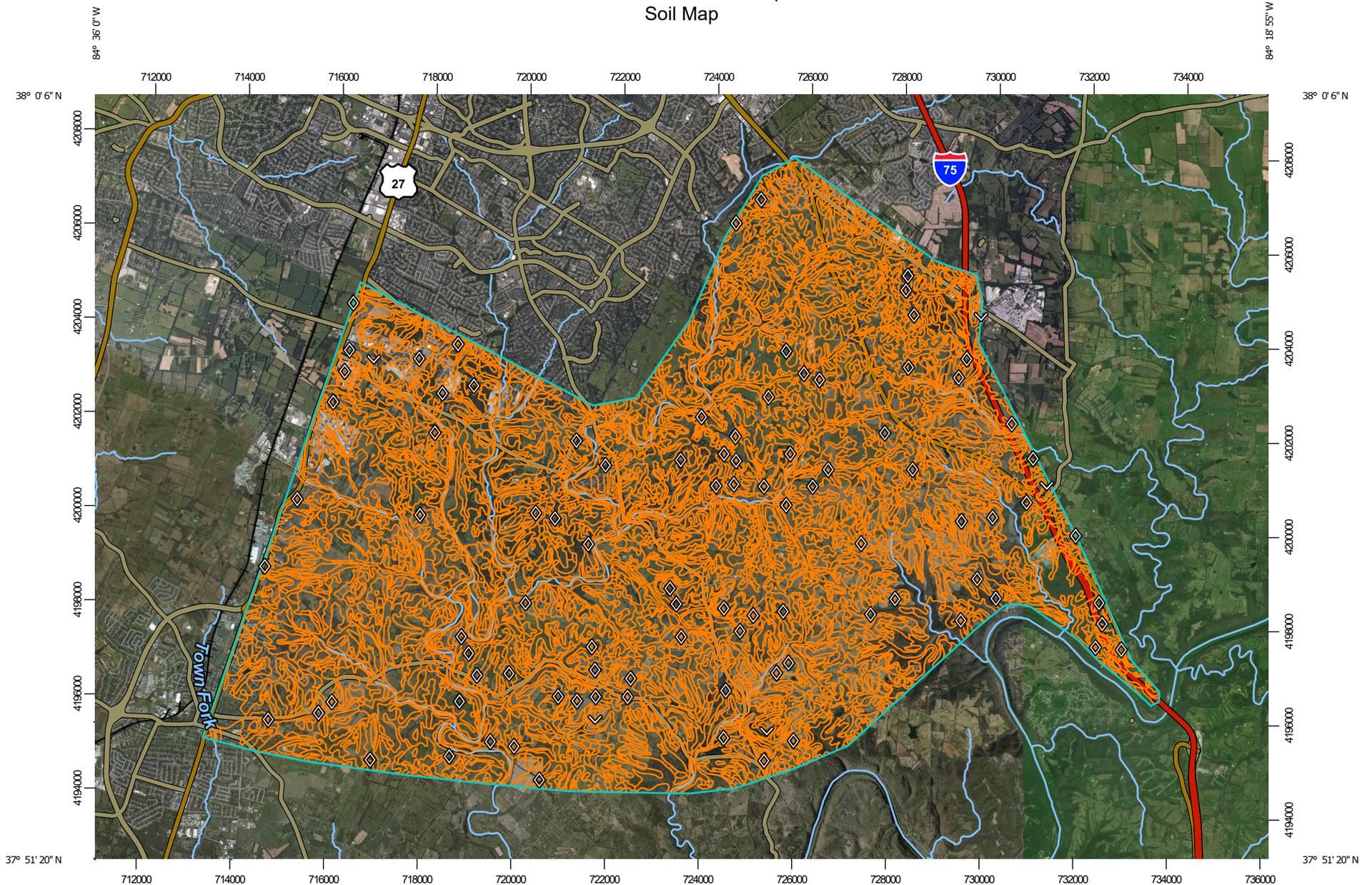
Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

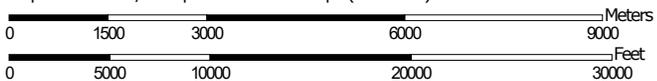
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report Soil Map



Map Scale: 1:114,000 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:15,800 to 1:20,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Fayette County Area, Part of Fayette County, Kentucky
 Survey Area Data: Version 16, Sep 16, 2019

Soil Survey Area: Jessamine and Woodford Counties, Kentucky
 Survey Area Data: Version 15, Sep 16, 2019

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 20, 2012—Aug 8, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background

MAP LEGEND

MAP INFORMATION

imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------|--|--------------|----------------|
| ArA | Armour silt loam, 0 to 2 percent slopes (elk) | 36.1 | 0.1% |
| ArB | Armour silt loam, 2 to 6 percent slopes (elk) | 91.7 | 0.2% |
| ArC | Armour silt loam, 6 to 12 percent slopes (elk) | 29.6 | 0.1% |
| BrB | Braxton silt loam, 2 to 6 percent slopes (maury) | 218.5 | 0.6% |
| BrC2 | Braxton silt loam, 6 to 12 percent slopes, eroded (maury) | 318.4 | 0.8% |
| CaA | Otwood silt loam, 0 to 2 percent slopes, rarely flooded | 33.4 | 0.1% |
| CaB | Otwood silt loam, 2 to 6 percent slopes, rarely flooded | 23.6 | 0.1% |
| CfF2 | Culleoka flaggy silt loam, 30 to 50 percent slopes, eroded | 1.9 | 0.0% |
| DoB | Donerail silt loam, 2 to 6 percent slopes | 80.1 | 0.2% |
| DoC | Donerail silt loam, 6 to 12 percent slopes | 81.5 | 0.2% |
| Ea | Egam silt loam (woolper) | 96.3 | 0.2% |
| Ec | Egam silty clay loam (woolper) | 7.7 | 0.0% |
| FaD | Fairmount very rocky silty clay loam, 6 to 20 percent slopes (fairmount-Rock outcrop complex) | 448.6 | 1.1% |
| FaD3 | Fairmount very rocky silty clay loam, 6 to 30 percent slopes, severely eroded (fairmount-Rock outcrop complex) | 1,299.7 | 3.3% |
| FaF | Fairmount very rocky silty clay loam, 20 to 50 percent slopes (fairmount-Rock outcrop complex) | 176.1 | 0.4% |
| Hu | Huntington silt loam, 0 to 4 percent slopes, occasionally flooded | 759.6 | 1.9% |
| La | Lanton silty clay loam (dunning) | 143.0 | 0.4% |
| Lc | Lawrence silt loam, 0 to 2 percent slopes, rarely flooded | 21.3 | 0.1% |
| Ld | Lindside silt loam, 0 to 2 percent slopes, occasionally flooded | 121.6 | 0.3% |

Custom Soil Resource Report

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------|--|--------------|----------------|
| LpB | Loudon silt loam, phosphatic, 2 to 6 percent slopes (lawrence) | 16.2 | 0.0% |
| LpC2 | Loudon silt loam, phosphatic, 6 to 12 percent slopes, eroded | 4.2 | 0.0% |
| LyC3 | Lowell silty clay loam, 6 to 12 percent slopes, severely eroded | 77.3 | 0.2% |
| LyD3 | Lowell silty clay loam, 12 to 20 percent slopes, severely eroded | 13.9 | 0.0% |
| MID2 | Maury silt loam, 12 to 20 percent slopes, eroded | 79.6 | 0.2% |
| MmC3 | Maury silty clay loam, 6 to 12 percent slopes, severely eroded (loradale) | 43.2 | 0.1% |
| MnB | McAfee silt loam, 2 to 6 percent slopes | 97.7 | 0.2% |
| MnC | McAfee silt loam, 6 to 12 percent slopes | 295.1 | 0.7% |
| MoC3 | McAfee silty clay, 6 to 12 percent slopes, severely eroded | 91.1 | 0.2% |
| MoD3 | McAfee silty clay, 12 to 20 percent slopes, severely eroded | 104.0 | 0.3% |
| MpB2 | McAfee silty clay loam, 2 to 6 percent slopes, eroded | 161.0 | 0.4% |
| MpC2 | McAfee silty clay loam, 6 to 12 percent slopes, eroded | 1,429.2 | 3.6% |
| MpD2 | McAfee silty clay loam, 12 to 20 percent slopes, eroded | 683.8 | 1.7% |
| MrD2 | McAfee very rocky silty clay loam, 6 to 20 percent slopes, eroded (mcafee-Rock outcrop complex) | 365.5 | 0.9% |
| MrE2 | McAfee very rocky silty clay loam, 20 to 30 percent slopes, eroded (mcafee-rock outcrop complex) | 42.3 | 0.1% |
| MsD3 | McAfee very rocky silty clay, 12 to 20 percent slopes, severely eroded (mcafee-rock outcrop complex) | 127.6 | 0.3% |
| Mt | Melvin silt loam, 0 to 2 percent slopes, occasionally flooded | 26.4 | 0.1% |
| MuA | Mercer silt loam, 0 to 2 percent slopes | 8.3 | 0.0% |
| MuB | Mercer silt loam, 2 to 6 percent slopes | 426.1 | 1.1% |
| MuB2 | Mercer silt loam, 2 to 6 percent slopes, eroded | 9.9 | 0.0% |

Custom Soil Resource Report

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---------------------------------------|---|-----------------|----------------|
| MuC | Mercer silt loam, 6 to 12 percent slopes | 155.4 | 0.4% |
| MuC2 | Mercer silt loam, 6 to 12 percent slopes, eroded | 153.3 | 0.4% |
| Ne | Newark silt loam, 0 to 2 percent slopes, occasionally flooded | 255.9 | 0.6% |
| Pt | Pits, quarries | 26.6 | 0.1% |
| Rk | Rock land (rock outcrop-fairmount complex, 20 to 50 percent slopes) | 475.9 | 1.2% |
| RuB | Nicholson silt loam, 2 to 6 percent slopes | 14.0 | 0.0% |
| RuC2 | Russellville silt loam, 6 to 12 percent slopes (nicholson) | 28.6 | 0.1% |
| SaC3 | Salvisa silty clay, 6 to 12 percent slopes, severely eroded | 218.2 | 0.6% |
| ScB2 | Salvisa silty clay loam, 2 to 6 percent slopes, eroded | 177.4 | 0.4% |
| ScC2 | Salvisa silty clay loam, 6 to 12 percent slopes, eroded | 647.5 | 1.6% |
| ScE2 | Salvisa silty clay loam, 12 to 30 percent slopes, eroded | 415.1 | 1.1% |
| Ua | Urban land-armour-maury complex (urban land) | 22.0 | 0.1% |
| uBlmA | Bluegrass-Maury silt loams, 0 to 2 percent slopes | 2.8 | 0.0% |
| uBlmB | Bluegrass-Maury silt loams, 2 to 6 percent slopes | 3,904.1 | 9.9% |
| uLbiB | Lowell-Bluegrass silt loams, 2 to 6 percent slopes | 871.3 | 2.2% |
| uLfc | Lowell-Faywood silt loams, 6 to 12 percent slopes | 1,477.2 | 3.7% |
| uLfd | Lowell-Faywood silt loams, 12 to 20 percent slopes | 32.3 | 0.1% |
| uLsoB | Lowell-Sandview silt loams, 2 to 6 percent slopes | 446.8 | 1.1% |
| uMlmC | Maury-Bluegrass silt loams, 6 to 12 percent slopes | 2,425.1 | 6.1% |
| W | Water | 75.6 | 0.2% |
| Subtotals for Soil Survey Area | | 19,916.4 | 50.5% |
| Totals for Area of Interest | | 39,440.1 | 100.0% |

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------|---|--------------|----------------|
| AsA | Ashton silt loam, 0 to 2 percent slopes | 52.9 | 0.1% |
| AsB | Ashton silt loam, 2 to 6 percent slopes | 249.2 | 0.6% |

Custom Soil Resource Report

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------|--|--------------|----------------|
| Bn | Boonesboro silt loam | 147.0 | 0.4% |
| CcC | Culleoka silt loam, 6 to 12 percent slopes | 18.1 | 0.0% |
| CcD | Culleoka silt loam, 12 to 20 percent slopes | 43.9 | 0.1% |
| CfE | Culleoka flaggy silt loam, 20 to 30 percent slopes | 1.1 | 0.0% |
| DoB | Donerail silt loam, 2 to 6 percent slopes | 99.8 | 0.3% |
| Du | Dunning silty clay loam, 0 to 2 percent slopes, occasionally flooded | 0.0 | 0.0% |
| ErB | Elk silt loam, 2 to 6 percent slopes, rarely flooded | 15.6 | 0.0% |
| ErC | Elk silt loam, 6 to 12 percent slopes, rarely flooded | 20.3 | 0.1% |
| FaC | Fairmount flaggy silty clay, 6 to 12 percent slopes | 1,622.0 | 4.1% |
| FcE | Fairmount-Rock outcrop complex, 12 to 30 percent slopes | 884.4 | 2.2% |
| FcF | Fairmount-Rock outcrop complex, 30 to 60 percent slopes | 44.5 | 0.1% |
| FdB | Faywood silt loam, 2 to 6 percent slopes | 222.7 | 0.6% |
| FdC | Faywood silt loam, 6 to 12 percent slopes | 654.9 | 1.7% |
| FdE | Faywood silt loam, 12 to 30 percent slopes | 197.5 | 0.5% |
| Hu | Huntington silt loam, 0 to 4 percent slopes, occasionally flooded | 1,029.8 | 2.6% |
| Lc | Lawrence silt loam, 0 to 2 percent slopes | 28.0 | 0.1% |
| Ld | Lindside silt loam, 0 to 2 percent slopes, occasionally flooded | 349.9 | 0.9% |
| MnB | McAfee silt loam, 2 to 6 percent slopes | 2,591.6 | 6.6% |
| MnC | McAfee silt loam, 6 to 12 percent slopes | 4,840.3 | 12.3% |
| MnD | McAfee silt loam, 12 to 20 percent slopes | 715.7 | 1.8% |
| MoC3 | McAfee silty clay, 6 to 12 percent slopes, severely eroded | 173.3 | 0.4% |
| MrD | McAfee-Rock outcrop complex, 6 to 20 percent slopes | 222.2 | 0.6% |

Custom Soil Resource Report

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---------------------------------------|---|-----------------|----------------|
| Mt | Melvin silt loam, 0 to 2 percent slopes, occasionally flooded | 5.9 | 0.0% |
| Ne | Newark silt loam, 0 to 2 percent slopes, occasionally flooded | 176.1 | 0.4% |
| uBlmA | Bluegrass-Maury silt loams, 0 to 2 percent slopes | 9.0 | 0.0% |
| uBlmB | Bluegrass-Maury silt loams, 2 to 6 percent slopes | 3,139.9 | 8.0% |
| uLbiB | Lowell-Bluegrass silt loams, 2 to 6 percent slopes | 547.6 | 1.4% |
| uLfc | Lowell-Faywood silt loams, 6 to 12 percent slopes | 458.7 | 1.2% |
| uLsoB | Lowell-Sandview silt loams, 2 to 6 percent slopes | 8.8 | 0.0% |
| uMlmC | Maury-Bluegrass silt loams, 6 to 12 percent slopes | 870.1 | 2.2% |
| W | Water | 82.8 | 0.2% |
| Subtotals for Soil Survey Area | | 19,523.7 | 49.5% |
| Totals for Area of Interest | | 39,440.1 | 100.0% |

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor

Custom Soil Resource Report

components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Fayette County Area, Part of Fayette County, Kentucky

ArA—Armour silt loam, 0 to 2 percent slopes (elk)

Map Unit Setting

National map unit symbol: 1hylw
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Elk and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Elk

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

H1 - 0 to 9 inches: silt loam
H2 - 9 to 42 inches: silty clay loam
H3 - 42 to 69 inches: silty clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Otwell

Percent of map unit: 5 percent
Hydric soil rating: No

Huntington

Percent of map unit: 2 percent

Custom Soil Resource Report

Hydric soil rating: No

Woolper

Percent of map unit: 2 percent

Hydric soil rating: No

Other soils

Percent of map unit: 1 percent

Hydric soil rating: No

ArB—Armour silt loam, 2 to 6 percent slopes (elk)

Map Unit Setting

National map unit symbol: 1hylx

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Elk and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Elk

Setting

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Mixed fine-silty alluvium

Typical profile

H1 - 0 to 9 inches: silt loam

H2 - 9 to 42 inches: silty clay loam

H3 - 42 to 69 inches: silty clay loam

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Custom Soil Resource Report

Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Otwell

Percent of map unit: 8 percent
Hydric soil rating: No

Woolper

Percent of map unit: 4 percent
Hydric soil rating: No

Other soils

Percent of map unit: 2 percent
Hydric soil rating: No

Huntington

Percent of map unit: 1 percent
Hydric soil rating: No

ArC—Armour silt loam, 6 to 12 percent slopes (elk)

Map Unit Setting

National map unit symbol: 1hyly
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Elk and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Elk

Setting

Landform: Stream terraces
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

H1 - 0 to 9 inches: silt loam
H2 - 9 to 42 inches: silty clay loam
H3 - 42 to 69 inches: silty clay loam

Properties and qualities

Slope: 6 to 12 percent

Custom Soil Resource Report

Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Maury

Percent of map unit: 5 percent
Hydric soil rating: No

Other soils

Percent of map unit: 4 percent
Hydric soil rating: No

Otwell

Percent of map unit: 3 percent
Hydric soil rating: No

Woolper

Percent of map unit: 3 percent
Hydric soil rating: No

BrB—Braxton silt loam, 2 to 6 percent slopes (maury)

Map Unit Setting

National map unit symbol: 1h1z
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Maury and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Maury

Setting

Landform: Ridges

Custom Soil Resource Report

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed silty alluvium and/or loess over clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 16 inches: silt loam

H2 - 16 to 29 inches: silty clay loam

H3 - 29 to 42 inches: silty clay

H4 - 42 to 75 inches: clay

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: High (about 11.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: A

Hydric soil rating: No

Minor Components

Mcafee

Percent of map unit: 5 percent

Hydric soil rating: No

Nicholson

Percent of map unit: 3 percent

Hydric soil rating: No

Donerail

Percent of map unit: 3 percent

Hydric soil rating: No

Other soils

Percent of map unit: 2 percent

Hydric soil rating: No

Huntington

Percent of map unit: 1 percent

Hydric soil rating: No

Lawrence

Percent of map unit: 1 percent

Hydric soil rating: No

BrC2—Braxton silt loam, 6 to 12 percent slopes, eroded (maury)

Map Unit Setting

National map unit symbol: 1hym0
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Maury and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Maury

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed silty alluvium and/or loess over clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 16 inches: silt loam
H2 - 16 to 29 inches: silty clay loam
H3 - 29 to 42 inches: silty clay
H4 - 42 to 75 inches: clay

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 11.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Mcafee

Percent of map unit: 5 percent
Hydric soil rating: No

Donerail

Percent of map unit: 2 percent
Hydric soil rating: No

Lowell

Percent of map unit: 2 percent
Hydric soil rating: No

Nicholson

Percent of map unit: 2 percent
Hydric soil rating: No

Other soils

Percent of map unit: 2 percent
Hydric soil rating: No

Salvisa

Percent of map unit: 2 percent
Hydric soil rating: No

CaA—Otwood silt loam, 0 to 2 percent slopes, rarely flooded

Map Unit Setting

National map unit symbol: 2wlvb
Elevation: 430 to 1,020 feet
Mean annual precipitation: 36 to 66 inches
Mean annual air temperature: 43 to 68 degrees F
Frost-free period: 139 to 212 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Otwood, rarely flooded, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Otwood, Rarely Flooded

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

Ap - 0 to 8 inches: silt loam

Custom Soil Resource Report

Bt - 8 to 21 inches: silty clay loam
Btx - 21 to 46 inches: silty clay loam
C - 46 to 80 inches: silty clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 20 to 35 inches to fragipan
Natural drainage class: Moderately well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: About 17 to 32 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water storage in profile: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Otwood, occasionally flooded

Percent of map unit: 5 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Nolin, occasionally flooded

Percent of map unit: 4 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Elk, rarely flooded

Percent of map unit: 4 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Lawrence, rarely flooded

Percent of map unit: 4 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Newark, occasionally flooded

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

CaB—Otwood silt loam, 2 to 6 percent slopes, rarely flooded

Map Unit Setting

National map unit symbol: 2wv4w
Elevation: 430 to 1,230 feet
Mean annual precipitation: 36 to 58 inches
Mean annual air temperature: 41 to 67 degrees F
Frost-free period: 142 to 205 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Otwood, rarely flooded, and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Otwood, Rarely Flooded

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

Ap - 0 to 9 inches: silt loam
Bt - 9 to 30 inches: silty clay loam
Btx - 30 to 51 inches: silty clay loam
C - 51 to 80 inches: silty clay loam

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 23 to 35 inches to fragipan
Natural drainage class: Moderately well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: About 20 to 32 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water storage in profile: Low (about 6.0 inches)

Custom Soil Resource Report

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Nolin, occasionally flooded

Percent of map unit: 4 percent

Landform: Flood plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

Elk, rarely flooded

Percent of map unit: 4 percent

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

Lawrence, rarely flooded

Percent of map unit: 4 percent

Landform: Stream terraces

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: No

Newark, occasionally flooded

Percent of map unit: 3 percent

Landform: Flood plains

Landform position (three-dimensional): Dip

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: No

CfF2—Culleoka flaggy silt loam, 30 to 50 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1hym3

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Not prime farmland

Map Unit Composition

Culleoka and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Culleoka

Setting

Landform: Hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Concave

Parent material: Fine-loamy residuum weathered from siltstone

Typical profile

H1 - 0 to 9 inches: flaggy silt loam

H2 - 9 to 27 inches: flaggy silty clay loam

H3 - 27 to 33 inches: silty clay loam

R - 33 to 43 inches: unweathered bedrock

Properties and qualities

Slope: 30 to 50 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 5 percent

Hydric soil rating: No

Fairmount

Percent of map unit: 5 percent

Hydric soil rating: No

Salvisa

Percent of map unit: 5 percent

Hydric soil rating: No

Lowell

Percent of map unit: 5 percent

Hydric soil rating: No

DoB—Donerail silt loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 1hym6
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Donerail and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Donerail

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 12 inches: silt loam
H2 - 12 to 16 inches: silty clay loam
H3 - 16 to 38 inches: silty clay
H4 - 38 to 72 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 10.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 7 percent
Hydric soil rating: No

Loradale

Percent of map unit: 2 percent
Hydric soil rating: No

Lowell

Percent of map unit: 2 percent
Hydric soil rating: No

Maury

Percent of map unit: 2 percent
Hydric soil rating: No

Lawrence

Percent of map unit: 2 percent
Hydric soil rating: No

DoC—Donerail silt loam, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: 1hym7
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Donerail and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Donerail

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 12 inches: silt loam
H2 - 12 to 16 inches: silty clay loam
H3 - 16 to 38 inches: silty clay
H4 - 38 to 72 inches: clay

Custom Soil Resource Report

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 10.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Lowell

Percent of map unit: 4 percent
Hydric soil rating: No

Maury

Percent of map unit: 3 percent
Hydric soil rating: No

Mcafee

Percent of map unit: 3 percent
Hydric soil rating: No

Loradale

Percent of map unit: 3 percent
Hydric soil rating: No

Other soils

Percent of map unit: 2 percent
Hydric soil rating: No

Ea—Egam silt loam (woolper)

Map Unit Setting

National map unit symbol: 1hym8
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Prime farmland if protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Woolper, occasionally flooded, and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Woolper, Occasionally Flooded

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Mixed clayey alluvium

Typical profile

H1 - 0 to 6 inches: silt loam

H2 - 6 to 15 inches: silty clay loam

H3 - 15 to 65 inches: silty clay

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Occasional

Frequency of ponding: None

Available water storage in profile: High (about 9.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 5 percent

Hydric soil rating: No

Huntington

Percent of map unit: 3 percent

Hydric soil rating: No

Newark

Percent of map unit: 2 percent

Hydric soil rating: No

Ec—Egam silty clay loam (woolper)

Map Unit Setting

National map unit symbol: 1hym9

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Prime farmland if protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Woolper, occasionally flooded, and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Woolper, Occasionally Flooded

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Mixed clayey alluvium

Typical profile

H1 - 0 to 6 inches: silty clay loam

H2 - 6 to 15 inches: silty clay loam

H3 - 15 to 65 inches: silty clay

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Occasional

Frequency of ponding: None

Available water storage in profile: High (about 9.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 7 percent

Custom Soil Resource Report

Hydric soil rating: No

Huntington

Percent of map unit: 2 percent

Hydric soil rating: No

Newark

Percent of map unit: 1 percent

Hydric soil rating: No

FaD—Fairmount very rocky silty clay loam, 6 to 20 percent slopes (fairmount-Rock outcrop complex)

Map Unit Setting

National map unit symbol: 1hymb

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Not prime farmland

Map Unit Composition

Fairmount and similar soils: 60 percent

Rock outcrop: 20 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Fairmount

Setting

Landform: Hills

Landform position (three-dimensional): Crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Clayey residuum weathered from limestone

Typical profile

H1 - 0 to 11 inches: silty clay loam

H2 - 11 to 17 inches: silty clay

R - 17 to 27 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 20 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: D
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills
Landform position (three-dimensional): Free face
Parent material: Argillaceous limestone

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Mcafee

Percent of map unit: 5 percent
Hydric soil rating: No

Woolper

Percent of map unit: 5 percent
Hydric soil rating: No

Other soils

Percent of map unit: 5 percent
Hydric soil rating: No

Salvisa

Percent of map unit: 5 percent
Hydric soil rating: No

**FaD3—Fairmount very rocky silty clay loam, 6 to 30 percent slopes,
severely eroded (fairmount-Rock outcrop complex)**

Map Unit Setting

National map unit symbol: 1hymc
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

Fairmount, severely eroded, and similar soils: 60 percent
Rock outcrop: 20 percent
Minor components: 20 percent

Custom Soil Resource Report

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Fairmount, Severely Eroded

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from limestone

Typical profile

H1 - 0 to 11 inches: silty clay loam
H2 - 11 to 17 inches: silty clay
R - 17 to 27 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 30 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills
Landform position (three-dimensional): Free face
Parent material: Argillaceous limestone

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 8 percent
Hydric soil rating: No

Mcafee

Percent of map unit: 4 percent
Hydric soil rating: No

Woolper

Percent of map unit: 4 percent

Hydric soil rating: No

Salvisa

Percent of map unit: 4 percent

Hydric soil rating: No

**FaF—Fairmount very rocky silty clay loam, 20 to 50 percent slopes
(fairmount-Rock outcrop complex)**

Map Unit Setting

National map unit symbol: 1hymd

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Not prime farmland

Map Unit Composition

Fairmount and similar soils: 60 percent

Rock outcrop: 20 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Fairmount

Setting

Landform: Hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Clayey residuum weathered from limestone

Typical profile

H1 - 0 to 11 inches: silty clay loam

H2 - 11 to 17 inches: silty clay

R - 17 to 27 inches: unweathered bedrock

Properties and qualities

Slope: 20 to 50 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills
Landform position (three-dimensional): Free face
Parent material: Argillaceous limestone

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 6 percent
Hydric soil rating: No

Salvisa

Percent of map unit: 6 percent
Hydric soil rating: No

Mcafee

Percent of map unit: 4 percent
Hydric soil rating: No

Woolper

Percent of map unit: 4 percent
Hydric soil rating: No

Hu—Huntington silt loam, 0 to 4 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2wltx
Elevation: 450 to 1,050 feet
Mean annual precipitation: 37 to 53 inches
Mean annual air temperature: 43 to 67 degrees F
Frost-free period: 161 to 212 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Huntington, occasionally flooded, and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Huntington, Occasionally Flooded

Setting

Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

Ap - 0 to 9 inches: silt loam
A - 9 to 18 inches: silt loam
Bw - 18 to 46 inches: silt loam
C - 46 to 80 inches: silty clay loam

Properties and qualities

Slope: 0 to 4 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
(0.02 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Nolin, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Boonesboro, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Lindside, occasionally flooded

Percent of map unit: 4 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear

Custom Soil Resource Report

Hydric soil rating: No

Newark, occasionally flooded

Percent of map unit: 1 percent

Landform: Flood plains

Landform position (three-dimensional): Dip

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: No

La—Lanton silty clay loam (dunning)

Map Unit Setting

National map unit symbol: 1hymg

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Dunning, occasionally flooded, and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dunning, Occasionally Flooded

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Clayey alluvium derived from limestone

Typical profile

H1 - 0 to 15 inches: silty clay loam

H2 - 15 to 72 inches: silty clay loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Poorly drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 0 to 6 inches

Frequency of flooding: Occasional

Frequency of ponding: None

Available water storage in profile: High (about 10.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: C/D
Hydric soil rating: Yes

Minor Components

Woolper

Percent of map unit: 5 percent
Hydric soil rating: No

Huntington

Percent of map unit: 3 percent
Hydric soil rating: No

Other soils

Percent of map unit: 3 percent
Hydric soil rating: No

Lindside

Percent of map unit: 2 percent
Hydric soil rating: No

Newark

Percent of map unit: 2 percent
Hydric soil rating: No

Lc—Lawrence silt loam, 0 to 2 percent slopes, rarely flooded

Map Unit Setting

National map unit symbol: 2wlv
Elevation: 440 to 1,050 feet
Mean annual precipitation: 36 to 58 inches
Mean annual air temperature: 41 to 68 degrees F
Frost-free period: 142 to 211 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Lawrence, rarely flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lawrence, Rarely Flooded

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear

Custom Soil Resource Report

Parent material: Fine-silty alluvium over residuum weathered from limestone and dolomite

Typical profile

Ap - 0 to 10 inches: silt loam
Bt - 10 to 25 inches: silt loam
Btx - 25 to 50 inches: silt loam
2Bt - 50 to 62 inches: silty clay loam
2C - 62 to 80 inches: silty clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 18 to 32 inches to fragipan
Natural drainage class: Somewhat poorly drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.03 to 0.20 in/hr)
Depth to water table: About 12 to 18 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water storage in profile: Low (about 5.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: C/D
Hydric soil rating: No

Minor Components

Robertsville, rarely flooded

Percent of map unit: 4 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: Yes

Newark, rarely flooded

Percent of map unit: 2 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Elk, rarely flooded

Percent of map unit: 2 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Otwood, rarely flooded

Percent of map unit: 2 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread

Custom Soil Resource Report

Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Ld—Lindside silt loam, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2wlt9
Elevation: 390 to 1,060 feet
Mean annual precipitation: 36 to 53 inches
Mean annual air temperature: 41 to 66 degrees F
Frost-free period: 144 to 214 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Lindside, occasionally flooded, and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lindside, Occasionally Flooded

Setting

Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

Ap - 0 to 7 inches: silt loam
Bw - 7 to 27 inches: silt loam
C - 27 to 80 inches: silty clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
(0.02 to 1.98 in/hr)
Depth to water table: About 19 to 36 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: High (about 12.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Huntington, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Newark, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Nolin, occasionally flooded

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Melvin, occasionally flooded

Percent of map unit: 2 percent
Landform: Flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: Yes

LpB—Loudon silt loam, phosphatic, 2 to 6 percent slopes (lawrence)

Map Unit Setting

National map unit symbol: 1hymn
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Lawrence and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lawrence

Setting

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Clayey residuum weathered from phosphatic limestone and/or shale

Typical profile

H1 - 0 to 10 inches: silt loam

H2 - 10 to 25 inches: silt loam

H3 - 25 to 50 inches: silty clay loam

H4 - 50 to 75 inches: silty clay

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: 20 to 32 inches to fragipan

Natural drainage class: Somewhat poorly drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 12 to 18 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: C/D

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 4 percent

Hydric soil rating: No

Donerail

Percent of map unit: 2 percent

Hydric soil rating: No

Nicholson

Percent of map unit: 2 percent

Hydric soil rating: No

Newark

Percent of map unit: 1 percent

Hydric soil rating: No

Melvin, occasionally flooded

Percent of map unit: 1 percent

Landform: Drainageways

Down-slope shape: Concave

Across-slope shape: Concave

Custom Soil Resource Report

Hydric soil rating: Yes

LpC2—Loudon silt loam, phosphatic, 6 to 12 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1hymp

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Loudon and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Loudon

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Clayey residuum weathered from phosphatic limestone and/or shale

Typical profile

H1 - 0 to 8 inches: silt loam

H2 - 8 to 19 inches: silty clay loam

H3 - 19 to 38 inches: silty clay

H4 - 38 to 70 inches: clay

Cr - 70 to 80 inches: weathered bedrock

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 42 to 80 inches to paralithic bedrock

Natural drainage class: Moderately well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 18 to 27 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: High (about 9.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C/D

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 5 percent
Hydric soil rating: No

Woolper

Percent of map unit: 5 percent
Hydric soil rating: No

LyC3—Lowell silty clay loam, 6 to 12 percent slopes, severely eroded

Map Unit Setting

National map unit symbol: 1hymt
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

Lowell, severely eroded, and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lowell, Severely Eroded

Setting

Landform: Ridges
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 11 inches: silty clay loam
H2 - 11 to 23 inches: silty clay loam
H3 - 23 to 53 inches: silty clay
R - 53 to 63 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 40 to 80 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None

Custom Soil Resource Report

Calcium carbonate, maximum in profile: 3 percent
Available water storage in profile: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Mcafee

Percent of map unit: 5 percent
Hydric soil rating: No

Maury

Percent of map unit: 3 percent
Hydric soil rating: No

Other soils

Percent of map unit: 3 percent
Hydric soil rating: No

Culleoka

Percent of map unit: 2 percent
Hydric soil rating: No

Nicholson

Percent of map unit: 2 percent
Hydric soil rating: No

LyD3—Lowell silty clay loam, 12 to 20 percent slopes, severely eroded

Map Unit Setting

National map unit symbol: 1hymv
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

Lowell, severely eroded, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lowell, Severely Eroded

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex

Custom Soil Resource Report

Across-slope shape: Convex

Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 11 inches: silty clay loam

H2 - 11 to 23 inches: silty clay loam

H3 - 23 to 53 inches: silty clay

R - 53 to 63 inches: unweathered bedrock

Properties and qualities

Slope: 12 to 20 percent

Depth to restrictive feature: 40 to 80 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 3 percent

Available water storage in profile: Moderate (about 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 7 percent

Hydric soil rating: No

Culleoka

Percent of map unit: 5 percent

Hydric soil rating: No

Mcafee

Percent of map unit: 5 percent

Hydric soil rating: No

Maury

Percent of map unit: 3 percent

Hydric soil rating: No

MID2—Maury silt loam, 12 to 20 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1hyn3

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Custom Soil Resource Report

Frost-free period: 173 to 211 days

Farmland classification: Not prime farmland

Map Unit Composition

Maury and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Maury

Setting

Landform: Hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 16 inches: silt loam

H2 - 16 to 29 inches: silty clay loam

H3 - 29 to 42 inches: silty clay

H4 - 42 to 75 inches: clay

Properties and qualities

Slope: 12 to 20 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: High (about 11.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: A

Hydric soil rating: No

Minor Components

Mcafee

Percent of map unit: 8 percent

Hydric soil rating: No

Other soils

Percent of map unit: 6 percent

Hydric soil rating: No

Loudon

Percent of map unit: 3 percent

Hydric soil rating: No

Salvisa

Percent of map unit: 3 percent
Hydric soil rating: No

MmC3—Maury silty clay loam, 6 to 12 percent slopes, severely eroded (loradale)

Map Unit Setting

National map unit symbol: 1hyn4
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

Loradale, severely eroded, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Loradale, Severely Eroded

Setting

Landform: Ridges
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 12 inches: silty clay loam
H2 - 12 to 34 inches: silty clay
H3 - 34 to 72 inches: clay
R - 72 to 82 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 40 to 120 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: About 36 to 72 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 9.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Custom Soil Resource Report

Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 4 percent
Hydric soil rating: No

Loudon

Percent of map unit: 4 percent
Hydric soil rating: No

Mcafee

Percent of map unit: 4 percent
Hydric soil rating: No

Maury

Percent of map unit: 4 percent
Hydric soil rating: No

Salvisa

Percent of map unit: 4 percent
Hydric soil rating: No

MnB—McAfee silt loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2qmlp
Elevation: 500 to 1,060 feet
Mean annual precipitation: 37 to 53 inches
Mean annual air temperature: 41 to 66 degrees F
Frost-free period: 144 to 211 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Mcafee and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mcafee

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from limestone

Custom Soil Resource Report

Typical profile

Ap - 0 to 7 inches: silt loam
Bt1 - 7 to 16 inches: silty clay loam
Bt2 - 16 to 26 inches: silty clay
Bt3 - 26 to 32 inches: clay
R - 32 to 42 inches: bedrock

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 20 to 39 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 1 percent
Available water storage in profile: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Maury

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Bluegrass

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Faywood

Percent of map unit: 2 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope, interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Lowell

Percent of map unit: 2 percent

Custom Soil Resource Report

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Fairmount

Percent of map unit: 1 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

MnC—McAfee silt loam, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: 1hyn6
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Mcafee and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silt loam
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium

Custom Soil Resource Report

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Maury

Percent of map unit: 5 percent

Hydric soil rating: No

Other soils

Percent of map unit: 4 percent

Hydric soil rating: No

Loradale

Percent of map unit: 2 percent

Hydric soil rating: No

Nicholson

Percent of map unit: 2 percent

Hydric soil rating: No

Donerail

Percent of map unit: 2 percent

Hydric soil rating: No

MoC3—McAfee silty clay, 6 to 12 percent slopes, severely eroded

Map Unit Setting

National map unit symbol: 1hyn7

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Not prime farmland

Map Unit Composition

McAfee, severely eroded, and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee, Severely Eroded

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silty clay
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 9 percent
Hydric soil rating: No

Maury

Percent of map unit: 5 percent
Hydric soil rating: No

Loradale

Percent of map unit: 2 percent
Hydric soil rating: No

Nicholson

Percent of map unit: 2 percent
Hydric soil rating: No

Donerail

Percent of map unit: 2 percent
Hydric soil rating: No

MoD3—McAfee silty clay, 12 to 20 percent slopes, severely eroded

Map Unit Setting

National map unit symbol: 1hyn8
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

McAfee, severely eroded, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee, Severely Eroded

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silty clay
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 12 to 20 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 9 percent
Hydric soil rating: No

Maury

Percent of map unit: 5 percent
Hydric soil rating: No

Salvisa

Percent of map unit: 3 percent
Hydric soil rating: No

Loradale

Percent of map unit: 3 percent
Hydric soil rating: No

MpB2—McAfee silty clay loam, 2 to 6 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1hyn9
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: All areas are prime farmland

Map Unit Composition

McAfee and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silty clay loam
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Custom Soil Resource Report

Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 4 percent
Hydric soil rating: No

Donerail

Percent of map unit: 3 percent
Hydric soil rating: No

Maury

Percent of map unit: 3 percent
Hydric soil rating: No

Nicholson

Percent of map unit: 3 percent
Hydric soil rating: No

Loradale

Percent of map unit: 2 percent
Hydric soil rating: No

MpC2—McAfee silty clay loam, 6 to 12 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1hynb
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Mcafee and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silty clay loam
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 9 percent
Hydric soil rating: No

Maury

Percent of map unit: 5 percent
Hydric soil rating: No

Donerail

Percent of map unit: 2 percent
Hydric soil rating: No

Loradale

Percent of map unit: 2 percent
Hydric soil rating: No

Nicholson

Percent of map unit: 2 percent
Hydric soil rating: No

MpD2—McAfee silty clay loam, 12 to 20 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1hync
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

McAfee and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silty clay loam
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 12 to 20 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 9 percent
Hydric soil rating: No

Maury

Percent of map unit: 5 percent
Hydric soil rating: No

Salvisa

Percent of map unit: 3 percent
Hydric soil rating: No

Loradale

Percent of map unit: 3 percent
Hydric soil rating: No

**MrD2—McAfee very rocky silty clay loam, 6 to 20 percent slopes, eroded
(mcafee-Rock outcrop complex)**

Map Unit Setting

National map unit symbol: 1hynd
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

Mcafee and similar soils: 65 percent
Rock outcrop: 15 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silty clay loam
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Custom Soil Resource Report

Properties and qualities

Slope: 6 to 20 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills

Landform position (three-dimensional): Free face

Parent material: Phosphatic limestone

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8

Hydric soil rating: No

Minor Components

Salvisa

Percent of map unit: 5 percent

Hydric soil rating: No

Maury

Percent of map unit: 5 percent

Hydric soil rating: No

Other soils

Percent of map unit: 5 percent

Hydric soil rating: No

Fairmount

Percent of map unit: 5 percent

Hydric soil rating: No

**MrE2—McAfee very rocky silty clay loam, 20 to 30 percent slopes,
eroded (mcafee-rock outcrop complex)**

Map Unit Setting

National map unit symbol: 1hynf
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

Mcafee and similar soils: 65 percent
Rock outcrop: 15 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silty clay loam
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 20 to 30 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C

Custom Soil Resource Report

Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills

Landform position (three-dimensional): Free face

Parent material: Phosphatic limestone

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 10 percent

Hydric soil rating: No

Salvisa

Percent of map unit: 5 percent

Hydric soil rating: No

Fairmount

Percent of map unit: 5 percent

Hydric soil rating: No

MsD3—McAfee very rocky silty clay, 12 to 20 percent slopes, severely eroded (mcafee-rock outcrop complex)

Map Unit Setting

National map unit symbol: 1hyng

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Not prime farmland

Map Unit Composition

Mcafee, severely eroded, and similar soils: 60 percent

Rock outcrop: 20 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee, Severely Eroded

Setting

Landform: Hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Custom Soil Resource Report

Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silty clay
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 12 to 20 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills
Landform position (three-dimensional): Free face
Parent material: Phosphatic limestone

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 9 percent
Hydric soil rating: No

Maury

Percent of map unit: 5 percent
Hydric soil rating: No

Fairmount

Percent of map unit: 3 percent
Hydric soil rating: No

Salvisa

Percent of map unit: 3 percent
Hydric soil rating: No

Mt—Melvin silt loam, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2vp3l
Elevation: 420 to 1,100 feet
Mean annual precipitation: 37 to 53 inches
Mean annual air temperature: 42 to 66 degrees F
Frost-free period: 163 to 212 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Melvin, occasionally flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Melvin, Occasionally Flooded

Setting

Landform: Flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Non-acid fine-silty alluvium

Typical profile

Ap - 0 to 9 inches: silt loam
Bg - 9 to 38 inches: silt loam
Cg - 38 to 80 inches: silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: High (about 10.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: C/D
Hydric soil rating: Yes

Minor Components

Lindside, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Newark, occasionally flooded

Percent of map unit: 4 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Dunning, occasionally flooded

Percent of map unit: 1 percent
Landform: Depressions, flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: Yes

MuA—Mercer silt loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2wh5h
Elevation: 570 to 1,060 feet
Mean annual precipitation: 37 to 53 inches
Mean annual air temperature: 44 to 65 degrees F
Frost-free period: 173 to 212 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Mercer and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mercer

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear

Custom Soil Resource Report

Parent material: Fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 9 inches: silt loam
Bt - 9 to 23 inches: silty clay loam
Btx - 23 to 40 inches: silty clay loam
2C - 40 to 70 inches: clay

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 23 to 30 inches to fragipan
Natural drainage class: Moderately well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 20 to 27 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Lawrence

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Lowell

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

MuB—Mercer silt loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2wlv9

Custom Soil Resource Report

Elevation: 560 to 1,070 feet
Mean annual precipitation: 36 to 53 inches
Mean annual air temperature: 42 to 65 degrees F
Frost-free period: 160 to 212 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Mercer and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mercer

Setting

Landform: Ridges
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 9 inches: silt loam
Bt - 9 to 23 inches: silty clay loam
Btx - 23 to 40 inches: silty clay loam
2C - 40 to 70 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 18 to 25 inches to fragipan
Natural drainage class: Moderately well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 15 to 22 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Lawrence

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Lowell

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

MuB2—Mercer silt loam, 2 to 6 percent slopes, eroded

Map Unit Setting

National map unit symbol: 2wh3w
Elevation: 860 to 1,060 feet
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Mercer, eroded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mercer, Eroded

Setting

Landform: Ridges
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 7 inches: silt loam
Bt - 7 to 23 inches: silty clay loam
Btx - 23 to 40 inches: silty clay loam
2C - 40 to 70 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 18 to 24 inches to fragipan
Natural drainage class: Moderately well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 15 to 21 inches
Frequency of flooding: None

Custom Soil Resource Report

Frequency of ponding: None

Available water storage in profile: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: D

Hydric soil rating: No

Minor Components

Lawrence

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

Lowell, eroded

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

MuC—Mercer silt loam, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: 2wv4p

Elevation: 580 to 1,070 feet

Mean annual precipitation: 37 to 53 inches

Mean annual air temperature: 44 to 65 degrees F

Frost-free period: 173 to 212 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Mercer and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mercer

Setting

Landform: Ridges

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Custom Soil Resource Report

Across-slope shape: Convex

Parent material: Fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 9 inches: silt loam

Bt - 9 to 23 inches: silty clay loam

Btx - 23 to 40 inches: silty clay loam

2C - 40 to 70 inches: clay

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 18 to 24 inches to fragipan

Natural drainage class: Moderately well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 15 to 21 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: D

Hydric soil rating: No

Minor Components

Lawrence

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

Lowell

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

MuC2—Mercer silt loam, 6 to 12 percent slopes, eroded

Map Unit Setting

National map unit symbol: 2wh3x

Elevation: 900 to 1,050 feet

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Mercer, eroded, and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Mercer, Eroded

Setting

Landform: Ridges

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 7 inches: silt loam

Bt - 7 to 23 inches: silty clay loam

Btx - 23 to 40 inches: silty clay loam

2C - 40 to 70 inches: clay

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 18 to 24 inches to fragipan

Natural drainage class: Moderately well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 15 to 21 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: D

Hydric soil rating: No

Minor Components

Lowell, eroded

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Lawrence

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Ne—Newark silt loam, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2s2cm
Elevation: 440 to 1,150 feet
Mean annual precipitation: 36 to 54 inches
Mean annual air temperature: 40 to 66 degrees F
Frost-free period: 135 to 212 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Newark, occasionally flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Newark, Occasionally Flooded

Setting

Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

Ap - 0 to 7 inches: silt loam
Bg - 7 to 42 inches: silt loam
Cg - 42 to 80 inches: silt loam

Custom Soil Resource Report

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 6 to 20 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: High (about 10.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B/D
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Minor Components

Lindsay, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Nolin, occasionally flooded

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Melvin, occasionally flooded

Percent of map unit: 2 percent
Landform: Flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation), Trees/Timber (Woody Vegetation)
Hydric soil rating: Yes

Pt—Pits, quarries

Map Unit Setting

National map unit symbol: 1hynq
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

Pits, quarry: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pits, Quarry

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Rk—Rock land (rock outcrop-fairmount complex, 20 to 50 percent slopes)

Map Unit Setting

National map unit symbol: 1hynr
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

Rock outcrop: 50 percent
Fairmount and similar soils: 30 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Rock Outcrop

Setting

Landform: Hills
Landform position (three-dimensional): Free face
Parent material: Limestone

Interpretive groups

Land capability classification (irrigated): None specified

Custom Soil Resource Report

Land capability classification (nonirrigated): 8
Hydric soil rating: No

Description of Fairmount

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from limestone

Typical profile

H1 - 0 to 11 inches: silty clay loam
H2 - 11 to 17 inches: silty clay
R - 17 to 27 inches: unweathered bedrock

Properties and qualities

Slope: 20 to 50 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 2.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 10 percent
Hydric soil rating: No

Salvisa

Percent of map unit: 5 percent
Hydric soil rating: No

Woolper

Percent of map unit: 5 percent
Hydric soil rating: No

RuB—Nicholson silt loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2s2cz

Elevation: 460 to 1,140 feet

Mean annual precipitation: 35 to 59 inches

Mean annual air temperature: 42 to 68 degrees F

Frost-free period: 135 to 218 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Nicholson and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Nicholson

Setting

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Fine-silty noncalcareous loess over clayey residuum weathered from limestone

Typical profile

Ap - 0 to 8 inches: silt loam

Bt - 8 to 28 inches: silt loam

Btx - 28 to 38 inches: silty clay loam

2Bt - 38 to 50 inches: clay

2C - 50 to 80 inches: clay

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: 16 to 30 inches to fragipan

Natural drainage class: Moderately well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 13 to 27 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Custom Soil Resource Report

Hydric soil rating: No

Minor Components

Lowell

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve, side slope

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

Lawrence

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: No

RuC2—Russellville silt loam, 6 to 12 percent slopes (nicholson)

Map Unit Setting

National map unit symbol: 1hynt

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Nicholson and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Nicholson

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from limestone

Typical profile

H1 - 0 to 8 inches: silt loam

H2 - 8 to 28 inches: silty clay loam

Custom Soil Resource Report

H3 - 28 to 38 inches: silty clay loam

H4 - 38 to 60 inches: silty clay

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 16 to 30 inches to fragipan

Natural drainage class: Moderately well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 15 to 29 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 4 percent

Hydric soil rating: No

Donerail

Percent of map unit: 3 percent

Hydric soil rating: No

Lowell

Percent of map unit: 3 percent

Hydric soil rating: No

Lawrence

Percent of map unit: 2 percent

Hydric soil rating: No

Loradale

Percent of map unit: 2 percent

Hydric soil rating: No

Maury

Percent of map unit: 1 percent

Hydric soil rating: No

SaC3—Salvisa silty clay, 6 to 12 percent slopes, severely eroded

Map Unit Setting

National map unit symbol: 1hynv

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Custom Soil Resource Report

Frost-free period: 173 to 211 days

Farmland classification: Not prime farmland

Map Unit Composition

Salvisa, severely eroded, and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Salvisa, Severely Eroded

Setting

Landform: Ridges

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 7 inches: silty clay

H2 - 7 to 21 inches: silty clay

H3 - 21 to 28 inches: clay

R - 28 to 38 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 4 percent

Hydric soil rating: No

Loradale

Percent of map unit: 4 percent

Hydric soil rating: No

Lowell

Percent of map unit: 4 percent

Hydric soil rating: No

Maury

Percent of map unit: 4 percent

Custom Soil Resource Report

Hydric soil rating: No

Woolper

Percent of map unit: 4 percent

Hydric soil rating: No

ScB2—Salvisa silty clay loam, 2 to 6 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1hynw

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Salvisa and similar soils: 90 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Salvisa

Setting

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 7 inches: silty clay loam

H2 - 7 to 21 inches: silty clay

H3 - 21 to 28 inches: clay

R - 28 to 38 inches: unweathered bedrock

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Custom Soil Resource Report

Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Fairmount

Percent of map unit: 5 percent
Hydric soil rating: No

Other soils

Percent of map unit: 2 percent
Hydric soil rating: No

Mcafee

Percent of map unit: 1 percent
Hydric soil rating: No

Lowell

Percent of map unit: 1 percent
Hydric soil rating: No

Loradale

Percent of map unit: 1 percent
Hydric soil rating: No

ScC2—Salvisa silty clay loam, 6 to 12 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1hynx
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Salvisa and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Salvisa

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 7 inches: silty clay loam
H2 - 7 to 21 inches: silty clay

Custom Soil Resource Report

H3 - 21 to 28 inches: clay

R - 28 to 38 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 6 percent

Hydric soil rating: No

Fairmount

Percent of map unit: 5 percent

Hydric soil rating: No

Lowell

Percent of map unit: 2 percent

Hydric soil rating: No

Mcafee

Percent of map unit: 2 percent

Hydric soil rating: No

ScE2—Salvisa silty clay loam, 12 to 30 percent slopes, eroded

Map Unit Setting

National map unit symbol: 1hny

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Not prime farmland

Map Unit Composition

Salvisa and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Salvisa

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 7 inches: silty clay loam
H2 - 7 to 21 inches: silty clay
H3 - 21 to 28 inches: clay
R - 28 to 38 inches: unweathered bedrock

Properties and qualities

Slope: 12 to 30 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 5 percent
Hydric soil rating: No

Mcafee

Percent of map unit: 5 percent
Hydric soil rating: No

Fairmount

Percent of map unit: 5 percent
Hydric soil rating: No

Woolper

Percent of map unit: 5 percent
Hydric soil rating: No

Ua—Urban land-armour-maury complex (urban land)

Map Unit Setting

National map unit symbol: 1hynz
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 173 to 211 days
Farmland classification: Not prime farmland

Map Unit Composition

Urban land: 60 percent
Elk and similar soils: 15 percent
Maury and similar soils: 15 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Description of Elk

Setting

Landform: Stream terraces
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

H1 - 0 to 9 inches: silt loam
H2 - 9 to 42 inches: silty clay loam
H3 - 42 to 69 inches: silty clay loam

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Custom Soil Resource Report

Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Hydric soil rating: No

Description of Maury

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 16 inches: silt loam
H2 - 16 to 29 inches: silty clay loam
H3 - 29 to 42 inches: silty clay
H4 - 42 to 75 inches: clay

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 11.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components

Clayey soils

Percent of map unit: 7 percent
Hydric soil rating: No

Other soils

Percent of map unit: 3 percent
Hydric soil rating: No

uBlmA—Bluegrass-Maury silt loams, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2p9wf
Elevation: 540 to 1,060 feet
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 163 to 192 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Bluegrass and similar soils: 62 percent
Maury and similar soils: 33 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bluegrass

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 12 inches: silt loam
Bt - 12 to 35 inches: silty clay loam
2Bt - 35 to 84 inches: silty clay loam
2BC - 84 to 96 inches: clay

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B
Hydric soil rating: No

Description of Maury

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 9 inches: silt loam
Bt1 - 9 to 16 inches: silty clay loam
Bt2 - 16 to 53 inches: clay
BC - 53 to 100 inches: clay

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Fine, mixed, active, mesic oxyaquic paleudalfs

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

uBlmB—Bluegrass-Maury silt loams, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2p9wg
Elevation: 540 to 1,060 feet
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 163 to 192 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Bluegrass and similar soils: 50 percent
Maury and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bluegrass

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 12 inches: silt loam
Bt - 12 to 35 inches: silty clay loam
2Bt - 35 to 84 inches: silty clay loam
2BC - 84 to 96 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e

Custom Soil Resource Report

Hydrologic Soil Group: B
Hydric soil rating: No

Description of Maury

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Side slope, interfluvium
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 9 inches: silt loam
Bt1 - 9 to 16 inches: silty clay loam
Bt2 - 16 to 53 inches: clay
BC - 53 to 100 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Mcafee

Percent of map unit: 3 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluvium, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Faywood

Percent of map unit: 3 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope, interfluvium
Down-slope shape: Convex
Across-slope shape: Linear

Custom Soil Resource Report

Hydric soil rating: No

Lowell

Percent of map unit: 2 percent

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve, side slope

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

Fine, mixed, active, mesic oxyaquic paleudalfs

Percent of map unit: 2 percent

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

uLbIB—Lowell-Bluegrass silt loams, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2s2d5

Elevation: 770 to 1,070 feet

Mean annual precipitation: 36 to 58 inches

Mean annual air temperature: 41 to 66 degrees F

Frost-free period: 144 to 211 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Lowell and similar soils: 70 percent

Bluegrass and similar soils: 25 percent

Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lowell

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 8 inches: silt loam

Bt - 8 to 41 inches: silty clay

BC - 41 to 53 inches: silty clay

Custom Soil Resource Report

R - 53 to 63 inches: bedrock

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: 40 to 57 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 3 percent

Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Hydric soil rating: No

Description of Bluegrass

Setting

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluvium

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 12 inches: silt loam

Bt - 12 to 35 inches: silty clay loam

2Bt - 35 to 84 inches: silty clay loam

2BC - 84 to 96 inches: clay

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: High (about 11.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: B

Hydric soil rating: No

Minor Components

Faywood

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

uLfc—Lowell-Faywood silt loams, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: 2s2d6
Elevation: 450 to 1,130 feet
Mean annual precipitation: 36 to 66 inches
Mean annual air temperature: 40 to 68 degrees F
Frost-free period: 144 to 218 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Lowell and similar soils: 70 percent
Faywood and similar soils: 20 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lowell

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 8 inches: silt loam
Bt - 8 to 41 inches: silty clay
BC - 41 to 53 inches: silty clay
R - 53 to 63 inches: bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 40 to 57 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium

Custom Soil Resource Report

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 3 percent

Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Hydric soil rating: No

Description of Faywood

Setting

Landform: Hills

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 7 inches: silt loam

Bt - 7 to 29 inches: silty clay

R - 29 to 39 inches: bedrock

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 20 to 39 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: D

Hydric soil rating: No

Minor Components

Cynthiana

Percent of map unit: 5 percent

Landform: Hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

Sandview

Percent of map unit: 5 percent
Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

uLfD—Lowell-Faywood silt loams, 12 to 20 percent slopes

Map Unit Setting

National map unit symbol: 2s2d7
Elevation: 450 to 1,080 feet
Mean annual precipitation: 36 to 61 inches
Mean annual air temperature: 41 to 68 degrees F
Frost-free period: 142 to 212 days
Farmland classification: Not prime farmland

Map Unit Composition

Lowell and similar soils: 70 percent
Faywood and similar soils: 25 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lowell

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 8 inches: silt loam
Bt - 8 to 41 inches: silty clay
BC - 41 to 53 inches: silty clay
R - 53 to 63 inches: bedrock

Properties and qualities

Slope: 12 to 20 percent
Depth to restrictive feature: 40 to 57 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches

Custom Soil Resource Report

Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 3 percent
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Hydric soil rating: No

Description of Faywood

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 7 inches: silt loam
Bt - 7 to 29 inches: silty clay
R - 29 to 39 inches: bedrock

Properties and qualities

Slope: 12 to 20 percent
Depth to restrictive feature: 20 to 39 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Cynthiana

Percent of map unit: 5 percent
Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

uLsoB—Lowell-Sandview silt loams, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2s2d8
Elevation: 460 to 1,130 feet
Mean annual precipitation: 36 to 66 inches
Mean annual air temperature: 40 to 68 degrees F
Frost-free period: 144 to 218 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Lowell and similar soils: 75 percent
Sandview and similar soils: 20 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lowell

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 8 inches: silt loam
Bt - 8 to 41 inches: silty clay
BC - 41 to 53 inches: silty clay
R - 53 to 63 inches: bedrock

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 40 to 57 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 3 percent
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C

Custom Soil Resource Report

Hydric soil rating: No

Description of Sandview

Setting

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Thin fine-silty noncalcareous loess over residuum weathered from limestone and shale

Typical profile

Ap - 0 to 8 inches: silt loam

Bt - 8 to 35 inches: silty clay loam

2Bt - 35 to 76 inches: silty clay

2R - 76 to 86 inches: bedrock

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: 60 to 80 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: High (about 10.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Faywood

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

uMImC—Maury-Bluegrass silt loams, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: 2p9wh

Elevation: 540 to 1,060 feet

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 163 to 192 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Maury and similar soils: 55 percent

Bluegrass and similar soils: 30 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Maury

Setting

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Side slope, interfluvium

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 9 inches: silt loam

Bt1 - 9 to 16 inches: silty clay loam

Bt2 - 16 to 53 inches: clay

BC - 53 to 100 inches: clay

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 2 percent

Available water storage in profile: High (about 11.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Custom Soil Resource Report

Hydrologic Soil Group: B
Hydric soil rating: No

Description of Bluegrass

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 12 inches: silt loam
Bt - 12 to 35 inches: silty clay loam
2Bt - 35 to 84 inches: silty clay loam
2BC - 84 to 96 inches: clay

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Mcafee

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Side slope, interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Faywood

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear

Custom Soil Resource Report

Hydric soil rating: No

Lowell

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Side slope, interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

W—Water

Map Unit Setting

National map unit symbol: 1hyp1

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 173 to 211 days

Farmland classification: Not prime farmland

Map Unit Composition

Water: 100 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Jessamine and Woodford Counties, Kentucky

AsA—Ashton silt loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: lj81
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Ashton, rarely flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ashton, Rarely Flooded

Setting

Landform: Depressions, stream terraces
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, tread
Down-slope shape: Concave, linear
Across-slope shape: Concave, linear
Parent material: Mixed fine-silty alluvium

Typical profile

H1 - 0 to 22 inches: silt loam
H2 - 22 to 61 inches: silt loam
H3 - 61 to 65 inches: silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water storage in profile: Very high (about 12.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Huntington

Percent of map unit: 5 percent
Landform: Flood plains
Hydric soil rating: No

Other soils

Percent of map unit: 5 percent
Hydric soil rating: No

AsB—Ashton silt loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: lj82
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Ashton, rarely flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ashton, Rarely Flooded

Setting

Landform: Depressions, stream terraces
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, tread
Down-slope shape: Concave, convex
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

H1 - 0 to 22 inches: silt loam
H2 - 22 to 61 inches: silt loam
H3 - 61 to 65 inches: silt loam

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water storage in profile: Very high (about 12.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Huntington

Percent of map unit: 3 percent
Landform: Flood plains
Hydric soil rating: No

Maury

Percent of map unit: 3 percent
Hydric soil rating: No

Elk

Percent of map unit: 3 percent
Landform: Stream terraces
Hydric soil rating: No

Other soils

Percent of map unit: 1 percent
Hydric soil rating: No

Bn—Boonesboro silt loam

Map Unit Setting

National map unit symbol: lj83
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: Prime farmland if protected from flooding or not frequently flooded during the growing season

Map Unit Composition

Boonesboro, occasionally flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Boonesboro, Occasionally Flooded

Setting

Landform: Flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

H1 - 0 to 21 inches: silt loam
H2 - 21 to 28 inches: gravelly silt loam
R - 28 to 38 inches: unweathered bedrock

Properties and qualities

Slope: 0 to 4 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Custom Soil Resource Report

Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 4 percent
Hydric soil rating: No

Lindside

Percent of map unit: 3 percent
Landform: Flood plains
Hydric soil rating: No

Huntington

Percent of map unit: 3 percent
Landform: Flood plains
Hydric soil rating: No

CcC—Culleoka silt loam, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: lj84
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Culleoka and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Culleoka

Setting

Landform: Ridges
Landform position (three-dimensional): Crest
Down-slope shape: Convex

Custom Soil Resource Report

Across-slope shape: Convex

Parent material: Fine-loamy residuum weathered from sandstone and siltstone

Typical profile

H1 - 0 to 5 inches: silt loam

H2 - 5 to 24 inches: silty clay loam

H3 - 24 to 38 inches: flaggy silty clay loam

R - 38 to 48 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 4 percent

Hydric soil rating: No

Lowell

Percent of map unit: 3 percent

Hydric soil rating: No

Faywood

Percent of map unit: 3 percent

Hydric soil rating: No

CcD—Culleoka silt loam, 12 to 20 percent slopes

Map Unit Setting

National map unit symbol: lj85

Mean annual precipitation: 39 to 51 inches

Mean annual air temperature: 45 to 65 degrees F

Frost-free period: 170 to 207 days

Farmland classification: Not prime farmland

Map Unit Composition

Culleoka and similar soils: 85 percent

Custom Soil Resource Report

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Culleoka

Setting

Landform: Hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Concave

Parent material: Fine-loamy residuum weathered from sandstone and siltstone

Typical profile

H1 - 0 to 5 inches: silt loam

H2 - 5 to 24 inches: silty clay loam

H3 - 24 to 38 inches: flaggy silty clay loam

R - 38 to 48 inches: unweathered bedrock

Properties and qualities

Slope: 12 to 20 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Hydric soil rating: No

Minor Components

Faywood

Percent of map unit: 5 percent

Hydric soil rating: No

Other soils

Percent of map unit: 5 percent

Hydric soil rating: No

Eden

Percent of map unit: 5 percent

Hydric soil rating: No

CfE—Culleoka flaggy silt loam, 20 to 30 percent slopes

Map Unit Setting

National map unit symbol: lj86
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: Not prime farmland

Map Unit Composition

Culleoka and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Culleoka

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Fine-loamy residuum weathered from sandstone and siltstone

Typical profile

H1 - 0 to 5 inches: flaggy silt loam
H2 - 5 to 24 inches: flaggy silt loam
H3 - 24 to 38 inches: flaggy silty clay loam
R - 38 to 48 inches: unweathered bedrock

Properties and qualities

Slope: 20 to 30 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Eden

Percent of map unit: 5 percent
Hydric soil rating: No

Faywood

Percent of map unit: 5 percent
Hydric soil rating: No

Other soils

Percent of map unit: 5 percent
Hydric soil rating: No

Fairmount

Percent of map unit: 5 percent
Hydric soil rating: No

DoB—Donerail silt loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: lj87
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Donerail and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Donerail

Setting

Landform: Ridges, hills
Landform position (two-dimensional): Summit, footslope
Landform position (three-dimensional): Interfluve, base slope
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 11 inches: silt loam
H2 - 11 to 17 inches: silty clay loam
H3 - 17 to 35 inches: silty clay
H4 - 35 to 62 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches

Custom Soil Resource Report

Natural drainage class: Moderately well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: About 18 to 36 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: High (about 10.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 4 percent
Hydric soil rating: No

Lowell

Percent of map unit: 3 percent
Hydric soil rating: No

Maury

Percent of map unit: 3 percent
Hydric soil rating: No

Du—Dunning silty clay loam, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2wltc
Elevation: 470 to 1,040 feet
Mean annual precipitation: 37 to 53 inches
Mean annual air temperature: 42 to 66 degrees F
Frost-free period: 163 to 212 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Dunning, occasionally flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dunning, Occasionally Flooded

Setting

Landform: Flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Concave

Custom Soil Resource Report

Parent material: Clayey alluvium derived from limestone

Typical profile

Ap - 0 to 7 inches: silty clay loam

A - 7 to 15 inches: silty clay loam

Bg - 15 to 36 inches: silty clay

Cg - 36 to 96 inches: silty clay

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Very poorly drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)

Depth to water table: About 0 to 6 inches

Frequency of flooding: Occasional

Frequency of ponding: None

Available water storage in profile: Moderate (about 6.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: C/D

Hydric soil rating: Yes

Minor Components

Melvin, occasionally flooded

Percent of map unit: 5 percent

Landform: Flood plains

Landform position (three-dimensional): Dip

Down-slope shape: Concave

Across-slope shape: Linear

Hydric soil rating: Yes

Newark, occasionally flooded

Percent of map unit: 3 percent

Landform: Flood plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Other vegetative classification: Trees/Timber (Woody Vegetation)

Hydric soil rating: No

Nolin, occasionally flooded

Percent of map unit: 2 percent

Landform: Flood plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

ErB—Elk silt loam, 2 to 6 percent slopes, rarely flooded

Map Unit Setting

National map unit symbol: 2slf3
Elevation: 380 to 1,110 feet
Mean annual precipitation: 36 to 66 inches
Mean annual air temperature: 40 to 68 degrees F
Frost-free period: 135 to 218 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Elk, rarely flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Elk, Rarely Flooded

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium over mixed loamy alluvium

Typical profile

Ap - 0 to 8 inches: silt loam
BA - 8 to 15 inches: silt loam
Bt - 15 to 46 inches: silty clay loam
2C - 46 to 80 inches: silty clay loam

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water storage in profile: High (about 10.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Otwood, rarely flooded

Percent of map unit: 5 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Lawrence, rarely flooded

Percent of map unit: 3 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Nolin, occasionally flooded

Percent of map unit: 2 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear, concave
Across-slope shape: Linear
Hydric soil rating: No

ErC—Elk silt loam, 6 to 12 percent slopes, rarely flooded

Map Unit Setting

National map unit symbol: 2slf7
Elevation: 390 to 1,060 feet
Mean annual precipitation: 36 to 66 inches
Mean annual air temperature: 40 to 68 degrees F
Frost-free period: 135 to 212 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Elk, rarely flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Elk, Rarely Flooded

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread, riser
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Mixed fine-silty alluvium over mixed loamy alluvium

Custom Soil Resource Report

Typical profile

Ap - 0 to 8 inches: silt loam
BA - 8 to 15 inches: silt loam
Bt - 15 to 46 inches: silty clay loam
2C - 46 to 80 inches: silty clay loam

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Available water storage in profile: High (about 10.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Otwood, rarely flooded

Percent of map unit: 5 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Allegheny

Percent of map unit: 3 percent
Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Nolin, occasionally flooded

Percent of map unit: 2 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear, concave
Across-slope shape: Linear
Hydric soil rating: No

FaC—Fairmount flaggy silty clay, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: lj8k
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: Not prime farmland

Map Unit Composition

Fairmount and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Fairmount

Setting

Landform: Ridges
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 11 inches: flaggy silty clay
H2 - 11 to 17 inches: flaggy clay
R - 17 to 27 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Very low (about 2.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 5 percent

Custom Soil Resource Report

Hydric soil rating: No

Faywood

Percent of map unit: 5 percent

Hydric soil rating: No

FcE—Fairmount-Rock outcrop complex, 12 to 30 percent slopes

Map Unit Setting

National map unit symbol: lj8l

Mean annual precipitation: 39 to 51 inches

Mean annual air temperature: 45 to 65 degrees F

Frost-free period: 170 to 207 days

Farmland classification: Not prime farmland

Map Unit Composition

Fairmount and similar soils: 60 percent

Rock outcrop: 25 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Fairmount

Setting

Landform: Hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 11 inches: flaggy silty clay

H2 - 11 to 17 inches: flaggy clay

R - 17 to 27 inches: unweathered bedrock

Properties and qualities

Slope: 12 to 30 percent

Depth to restrictive feature: 10 to 20 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Very low (about 2.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6s

Custom Soil Resource Report

Hydrologic Soil Group: D
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Free face
Down-slope shape: Convex
Across-slope shape: Convex

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 5 percent
Hydric soil rating: No

Eden

Percent of map unit: 5 percent
Hydric soil rating: No

Faywood

Percent of map unit: 5 percent
Hydric soil rating: No

FcF—Fairmount-Rock outcrop complex, 30 to 60 percent slopes

Map Unit Setting

National map unit symbol: 2vp3c
Elevation: 430 to 1,410 feet
Mean annual precipitation: 37 to 53 inches
Mean annual air temperature: 41 to 67 degrees F
Frost-free period: 144 to 212 days
Farmland classification: Not prime farmland

Map Unit Composition

Fairmount and similar soils: 60 percent
Rock outcrop: 25 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Fairmount

Setting

Landform: Hills

Custom Soil Resource Report

Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

A - 0 to 11 inches: flaggy silty clay
Bw - 11 to 17 inches: flaggy clay
R - 17 to 27 inches: bedrock

Properties and qualities

Slope: 30 to 60 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low (0.00 to 0.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 5 percent
Available water storage in profile: Very low (about 2.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: Shallow Limestone Residuum Backslopes (F121XY001KY)
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Free face
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Limestone

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Lowell

Percent of map unit: 5 percent
Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Cynthiana

Percent of map unit: 5 percent
Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Eden

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

FdB—Faywood silt loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: lj8n
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Faywood and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Faywood

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 6 inches: silt loam
H2 - 6 to 30 inches: silty clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 2 to 6 percent

Custom Soil Resource Report

Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Mcafee

Percent of map unit: 4 percent
Hydric soil rating: No

Lowell

Percent of map unit: 4 percent
Hydric soil rating: No

Other soils

Percent of map unit: 2 percent
Hydric soil rating: No

FdC—Faywood silt loam, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: lj8p
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Faywood and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Faywood

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex

Custom Soil Resource Report

Across-slope shape: Concave

Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 6 inches: silt loam

H2 - 6 to 30 inches: silty clay

R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Fairmount

Percent of map unit: 4 percent

Hydric soil rating: No

Mcafee

Percent of map unit: 4 percent

Hydric soil rating: No

Lowell

Percent of map unit: 4 percent

Hydric soil rating: No

Other soils

Percent of map unit: 3 percent

Hydric soil rating: No

FdE—Faywood silt loam, 12 to 30 percent slopes

Map Unit Setting

National map unit symbol: lj8q

Mean annual precipitation: 39 to 51 inches

Mean annual air temperature: 45 to 65 degrees F

Frost-free period: 170 to 207 days

Farmland classification: Not prime farmland

Map Unit Composition

Faywood and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Faywood

Setting

Landform: Hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Concave

Parent material: Clayey residuum weathered from limestone and shale

Typical profile

H1 - 0 to 6 inches: silt loam

H2 - 6 to 30 inches: silty clay

R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 12 to 30 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Culleoka

Percent of map unit: 3 percent

Hydric soil rating: No

Other soils

Percent of map unit: 3 percent

Hydric soil rating: No

Mcafee

Percent of map unit: 3 percent

Hydric soil rating: No

Fairmount

Percent of map unit: 3 percent

Hydric soil rating: No

Eden

Percent of map unit: 3 percent

Hydric soil rating: No

Hu—Huntington silt loam, 0 to 4 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2wltx
Elevation: 450 to 1,050 feet
Mean annual precipitation: 37 to 53 inches
Mean annual air temperature: 43 to 67 degrees F
Frost-free period: 161 to 212 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Huntington, occasionally flooded, and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Huntington, Occasionally Flooded

Setting

Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

Ap - 0 to 9 inches: silt loam
A - 9 to 18 inches: silt loam
Bw - 18 to 46 inches: silt loam
C - 46 to 80 inches: silty clay loam

Properties and qualities

Slope: 0 to 4 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
(0.02 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: High (about 11.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Boonesboro, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Nolin, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Lindside, occasionally flooded

Percent of map unit: 4 percent
Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Newark, occasionally flooded

Percent of map unit: 1 percent
Landform: Flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Lc—Lawrence silt loam, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2wlvn
Elevation: 400 to 960 feet
Mean annual precipitation: 36 to 51 inches
Mean annual air temperature: 43 to 66 degrees F
Frost-free period: 147 to 218 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Lawrence and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lawrence

Setting

Landform: Flats

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Fine-silty alluvium over clayey residuum weathered from limestone and dolomite

Typical profile

Ap - 0 to 8 inches: silt loam

Bt - 8 to 22 inches: silt loam

Btx - 22 to 38 inches: silt loam

2Bt - 38 to 53 inches: silty clay loam

2C - 53 to 80 inches: silty clay

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: 18 to 32 inches to fragipan

Natural drainage class: Somewhat poorly drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.03 to 0.20 in/hr)

Depth to water table: About 12 to 18 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3w

Hydrologic Soil Group: D

Hydric soil rating: No

Minor Components

Robertsville

Percent of map unit: 4 percent

Landform: Flats

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Concave

Hydric soil rating: Yes

Nicholson

Percent of map unit: 4 percent

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Hydric soil rating: No

Newark, rarely flooded

Percent of map unit: 2 percent

Landform: Drainageways

Custom Soil Resource Report

Landform position (three-dimensional): Talf
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: No

Ld—Lindside silt loam, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2wlt9
Elevation: 390 to 1,060 feet
Mean annual precipitation: 36 to 53 inches
Mean annual air temperature: 41 to 66 degrees F
Frost-free period: 144 to 214 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Lindside, occasionally flooded, and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lindside, Occasionally Flooded

Setting

Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

Ap - 0 to 7 inches: silt loam
Bw - 7 to 27 inches: silt loam
C - 27 to 80 inches: silty clay loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Moderately well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high
(0.02 to 1.98 in/hr)
Depth to water table: About 19 to 36 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: High (about 12.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Huntington, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Newark, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Nolin, occasionally flooded

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Melvin, occasionally flooded

Percent of map unit: 2 percent
Landform: Flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Linear
Hydric soil rating: Yes

MnB—McAfee silt loam, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2qmlp
Elevation: 500 to 1,060 feet
Mean annual precipitation: 37 to 53 inches
Mean annual air temperature: 41 to 66 degrees F
Frost-free period: 144 to 211 days
Farmland classification: All areas are prime farmland

Map Unit Composition

McAfee and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Clayey residuum weathered from limestone

Typical profile

Ap - 0 to 7 inches: silt loam
Bt1 - 7 to 16 inches: silty clay loam
Bt2 - 16 to 26 inches: silty clay
Bt3 - 26 to 32 inches: clay
R - 32 to 42 inches: bedrock

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 20 to 39 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 1 percent
Available water storage in profile: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Maury

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Bluegrass

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

Custom Soil Resource Report

Faywood

Percent of map unit: 2 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope, interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Lowell

Percent of map unit: 2 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Fairmount

Percent of map unit: 1 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

MnC—McAfee silt loam, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: lj91
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

McAfee and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silt loam
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Maury

Percent of map unit: 5 percent
Hydric soil rating: No

Other soils

Percent of map unit: 5 percent
Hydric soil rating: No

Faywood

Percent of map unit: 5 percent
Hydric soil rating: No

MnD—McAfee silt loam, 12 to 20 percent slopes

Map Unit Setting

National map unit symbol: lj92
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: Not prime farmland

Map Unit Composition

Mcafee and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silt loam
H2 - 7 to 25 inches: silty clay
H3 - 25 to 30 inches: clay
R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 12 to 20 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Fairmount

Percent of map unit: 7 percent
Hydric soil rating: No

Faywood

Percent of map unit: 7 percent
Hydric soil rating: No

Other soils

Percent of map unit: 6 percent
Hydric soil rating: No

MoC3—McAfee silty clay, 6 to 12 percent slopes, severely eroded

Map Unit Setting

National map unit symbol: lj93
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: Not prime farmland

Map Unit Composition

McAfee, severely eroded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee, Severely Eroded

Setting

Landform: Ridges
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Concave
Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 6 inches: silty clay
H2 - 6 to 24 inches: silty clay
R - 24 to 34 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 20 to 40 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Hydric soil rating: No

Minor Components

Faywood

Percent of map unit: 5 percent

Custom Soil Resource Report

Hydric soil rating: No

Fairmount

Percent of map unit: 5 percent

Hydric soil rating: No

MrD—McAfee-Rock outcrop complex, 6 to 20 percent slopes

Map Unit Setting

National map unit symbol: lj94

Mean annual precipitation: 39 to 51 inches

Mean annual air temperature: 45 to 65 degrees F

Frost-free period: 170 to 207 days

Farmland classification: Not prime farmland

Map Unit Composition

McAfee and similar soils: 60 percent

Rock outcrop: 20 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of McAfee

Setting

Landform: Hills

Landform position (two-dimensional): Backslope

Landform position (three-dimensional): Side slope

Down-slope shape: Convex

Across-slope shape: Concave

Parent material: Clayey residuum weathered from phosphatic limestone

Typical profile

H1 - 0 to 7 inches: silt loam

H2 - 7 to 25 inches: silty clay

H3 - 25 to 30 inches: clay

R - 30 to 40 inches: unweathered bedrock

Properties and qualities

Slope: 6 to 20 percent

Depth to restrictive feature: 20 to 40 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Custom Soil Resource Report

Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Hydric soil rating: No

Description of Rock Outcrop

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Free face
Down-slope shape: Convex
Across-slope shape: Concave

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Hydric soil rating: No

Minor Components

Fairmount

Percent of map unit: 7 percent
Hydric soil rating: No

Faywood

Percent of map unit: 7 percent
Hydric soil rating: No

Other soils

Percent of map unit: 6 percent
Hydric soil rating: No

Mt—Melvin silt loam, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2vp3l
Elevation: 420 to 1,100 feet
Mean annual precipitation: 37 to 53 inches
Mean annual air temperature: 42 to 66 degrees F
Frost-free period: 163 to 212 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Melvin, occasionally flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Melvin, Occasionally Flooded

Setting

Landform: Flood plains

Custom Soil Resource Report

Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Non-acid fine-silty alluvium

Typical profile

Ap - 0 to 9 inches: silt loam
Bg - 9 to 38 inches: silt loam
Cg - 38 to 80 inches: silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: About 0 to 6 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: High (about 10.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: C/D
Hydric soil rating: Yes

Minor Components

Lindsay, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Newark, occasionally flooded

Percent of map unit: 4 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Dunning, occasionally flooded

Percent of map unit: 1 percent
Landform: Depressions, flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Linear
Across-slope shape: Concave
Hydric soil rating: Yes

Ne—Newark silt loam, 0 to 2 percent slopes, occasionally flooded

Map Unit Setting

National map unit symbol: 2s2cm
Elevation: 440 to 1,150 feet
Mean annual precipitation: 36 to 54 inches
Mean annual air temperature: 40 to 66 degrees F
Frost-free period: 135 to 212 days
Farmland classification: Prime farmland if drained

Map Unit Composition

Newark, occasionally flooded, and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Newark, Occasionally Flooded

Setting

Landform: Flood plains
Landform position (three-dimensional): Talf
Down-slope shape: Concave
Across-slope shape: Linear
Parent material: Mixed fine-silty alluvium

Typical profile

Ap - 0 to 7 inches: silt loam
Bg - 7 to 42 inches: silt loam
Cg - 42 to 80 inches: silt loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Somewhat poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: About 6 to 20 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Available water storage in profile: High (about 10.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2w
Hydrologic Soil Group: B/D
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Minor Components

Lindside, occasionally flooded

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Nolin, occasionally flooded

Percent of map unit: 3 percent
Landform: Flood plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation)
Hydric soil rating: No

Melvin, occasionally flooded

Percent of map unit: 2 percent
Landform: Flood plains
Landform position (three-dimensional): Dip
Down-slope shape: Concave
Across-slope shape: Linear
Other vegetative classification: Trees/Timber (Woody Vegetation), Trees/Timber (Woody Vegetation)
Hydric soil rating: Yes

uBlmA—Bluegrass-Maury silt loams, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2p8m0
Elevation: 540 to 1,060 feet
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 163 to 192 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Bluegrass and similar soils: 62 percent
Maury and similar soils: 33 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bluegrass

Setting

Landform: Ridges

Custom Soil Resource Report

Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 12 inches: silt loam
Bt - 12 to 35 inches: silty clay loam
2Bt - 35 to 84 inches: silty clay loam
2BC - 84 to 96 inches: clay

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B
Hydric soil rating: No

Description of Maury

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 9 inches: silt loam
Bt1 - 9 to 16 inches: silty clay loam
Bt2 - 16 to 53 inches: clay
BC - 53 to 100 inches: clay

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)
Depth to water table: More than 80 inches

Custom Soil Resource Report

Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Fine, mixed, active, mesic oxyaquic paleudalfs

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

uBlmB—Bluegrass-Maury silt loams, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2p8m1
Elevation: 540 to 1,060 feet
Mean annual precipitation: 39 to 53 inches
Mean annual air temperature: 46 to 65 degrees F
Frost-free period: 163 to 192 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Bluegrass and similar soils: 50 percent
Maury and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bluegrass

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Custom Soil Resource Report

Typical profile

Ap - 0 to 12 inches: silt loam
Bt - 12 to 35 inches: silty clay loam
2Bt - 35 to 84 inches: silty clay loam
2BC - 84 to 96 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Description of Maury

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Side slope, interfluvium
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 9 inches: silt loam
Bt1 - 9 to 16 inches: silty clay loam
Bt2 - 16 to 53 inches: clay
BC - 53 to 100 inches: clay

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Custom Soil Resource Report

Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Faywood

Percent of map unit: 3 percent
Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope, interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Mcafee

Percent of map unit: 3 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Fine, mixed, active, mesic oxyaquic paleudalfs

Percent of map unit: 2 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Lowell

Percent of map unit: 2 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

uLbIB—Lowell-Bluegrass silt loams, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2s2d5
Elevation: 770 to 1,070 feet
Mean annual precipitation: 36 to 58 inches
Mean annual air temperature: 41 to 66 degrees F
Frost-free period: 144 to 211 days

Custom Soil Resource Report

Farmland classification: All areas are prime farmland

Map Unit Composition

Lowell and similar soils: 70 percent

Bluegrass and similar soils: 25 percent

Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lowell

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 8 inches: silt loam

Bt - 8 to 41 inches: silty clay

BC - 41 to 53 inches: silty clay

R - 53 to 63 inches: bedrock

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: 40 to 57 inches to lithic bedrock

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 3 percent

Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Hydric soil rating: No

Description of Bluegrass

Setting

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 12 inches: silt loam

Bt - 12 to 35 inches: silty clay loam

Custom Soil Resource Report

2Bt - 35 to 84 inches: silty clay loam

2BC - 84 to 96 inches: clay

Properties and qualities

Slope: 2 to 6 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: High (about 11.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: B

Hydric soil rating: No

Minor Components

Faywood

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Interfluvium

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

uLfc—Lowell-Faywood silt loams, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: 2s2d6

Elevation: 450 to 1,130 feet

Mean annual precipitation: 36 to 66 inches

Mean annual air temperature: 40 to 68 degrees F

Frost-free period: 144 to 218 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Lowell and similar soils: 70 percent

Faywood and similar soils: 20 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lowell

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 8 inches: silt loam
Bt - 8 to 41 inches: silty clay
BC - 41 to 53 inches: silty clay
R - 53 to 63 inches: bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 40 to 57 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 3 percent
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: C
Hydric soil rating: No

Description of Faywood

Setting

Landform: Hills
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 7 inches: silt loam
Bt - 7 to 29 inches: silty clay
R - 29 to 39 inches: bedrock

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: 20 to 39 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.14 in/hr)

Custom Soil Resource Report

Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: D
Hydric soil rating: No

Minor Components

Cynthiana

Percent of map unit: 5 percent
Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Sandview

Percent of map unit: 5 percent
Landform: Hills
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Hydric soil rating: No

uLsoB—Lowell-Sandview silt loams, 2 to 6 percent slopes

Map Unit Setting

National map unit symbol: 2s2d8
Elevation: 460 to 1,130 feet
Mean annual precipitation: 36 to 66 inches
Mean annual air temperature: 40 to 68 degrees F
Frost-free period: 144 to 218 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Lowell and similar soils: 75 percent
Sandview and similar soils: 20 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lowell

Setting

Landform: Ridges
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Clayey residuum weathered from limestone and shale

Typical profile

Ap - 0 to 8 inches: silt loam
Bt - 8 to 41 inches: silty clay
BC - 41 to 53 inches: silty clay
R - 53 to 63 inches: bedrock

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 40 to 57 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 3 percent
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: C
Hydric soil rating: No

Description of Sandview

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Thin fine-silty noncalcareous loess over residuum weathered from limestone and shale

Typical profile

Ap - 0 to 8 inches: silt loam
Bt - 8 to 35 inches: silty clay loam
2Bt - 35 to 76 inches: silty clay
2R - 76 to 86 inches: bedrock

Properties and qualities

Slope: 2 to 6 percent
Depth to restrictive feature: 60 to 80 inches to lithic bedrock
Natural drainage class: Well drained
Runoff class: Low

Custom Soil Resource Report

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: High (about 10.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2e

Hydrologic Soil Group: C

Hydric soil rating: No

Minor Components

Faywood

Percent of map unit: 5 percent

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Interfluve

Down-slope shape: Convex

Across-slope shape: Linear

Hydric soil rating: No

uMImC—Maury-Bluegrass silt loams, 6 to 12 percent slopes

Map Unit Setting

National map unit symbol: 2p8m2

Elevation: 540 to 1,060 feet

Mean annual precipitation: 39 to 53 inches

Mean annual air temperature: 46 to 65 degrees F

Frost-free period: 163 to 192 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Maury and similar soils: 55 percent

Bluegrass and similar soils: 30 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Maury

Setting

Landform: Ridges

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Side slope, interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Custom Soil Resource Report

Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 9 inches: silt loam
Bt1 - 9 to 16 inches: silty clay loam
Bt2 - 16 to 53 inches: clay
BC - 53 to 100 inches: clay

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Hydric soil rating: No

Description of Bluegrass

Setting

Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve, side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin fine-silty noncalcareous loess over clayey residuum weathered from phosphatic limestone

Typical profile

Ap - 0 to 12 inches: silt loam
Bt - 12 to 35 inches: silty clay loam
2Bt - 35 to 84 inches: silty clay loam
2BC - 84 to 96 inches: clay

Properties and qualities

Slope: 6 to 12 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 2 percent
Available water storage in profile: High (about 11.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Hydric soil rating: No

Minor Components

Mcafee

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Side slope, interfluvium
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Faywood

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluvium, side slope
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

Lowell

Percent of map unit: 5 percent
Landform: Ridges
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Side slope, interfluvium
Down-slope shape: Convex
Across-slope shape: Linear
Hydric soil rating: No

W—Water

Map Unit Setting

National map unit symbol: lv55
Mean annual precipitation: 39 to 51 inches
Mean annual air temperature: 45 to 65 degrees F
Frost-free period: 170 to 207 days
Farmland classification: Not prime farmland

Map Unit Composition

Water: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Custom Soil Resource Report

References

- American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.
- American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.
- Federal Register. July 13, 1994. Changes in hydric soils of the United States.
- Federal Register. September 18, 2002. Hydric soils of the United States.
- Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.
- National Research Council. 1995. Wetlands: Characteristics and boundaries.
- Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262
- Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577
- Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580
- Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.
- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

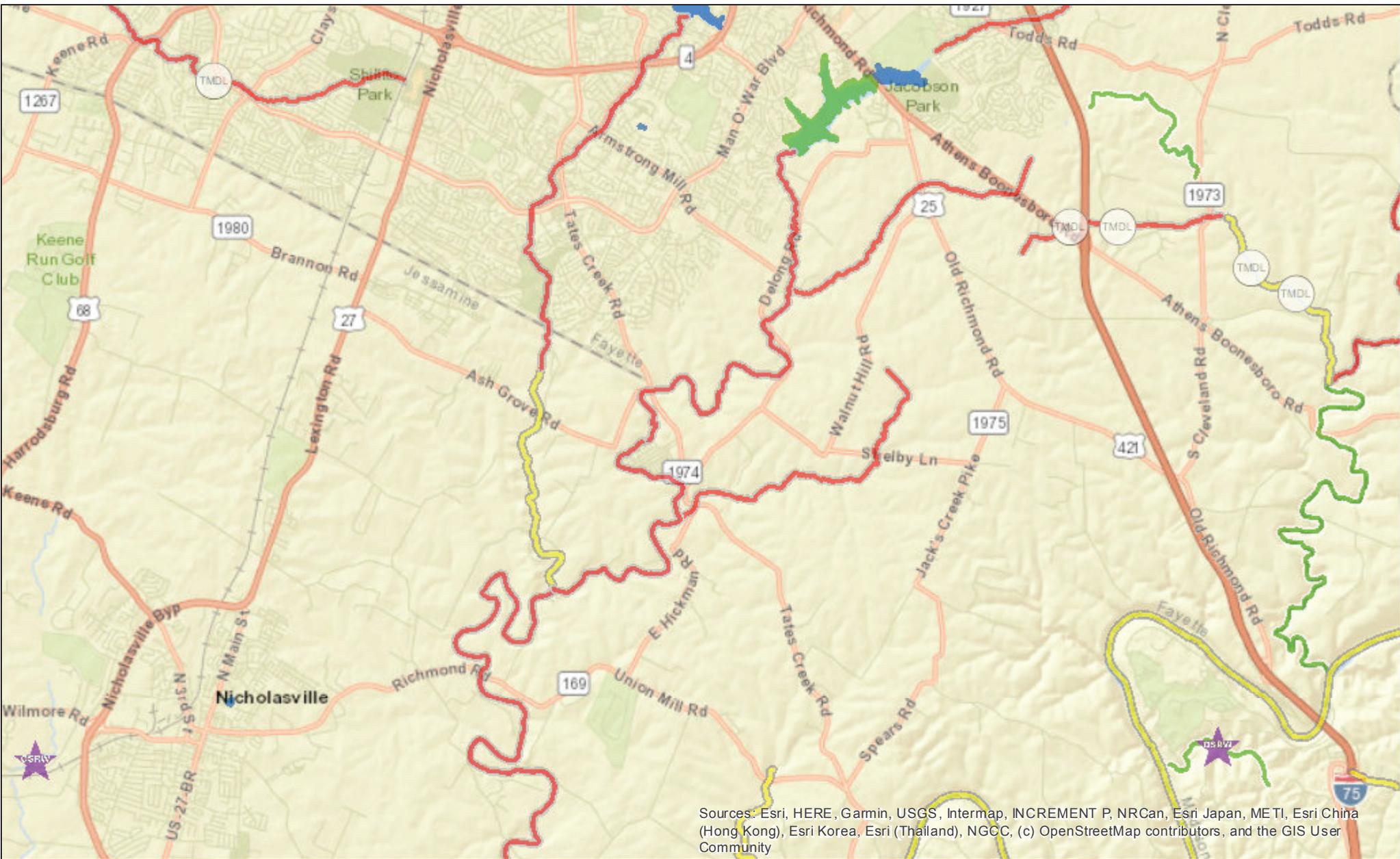
Attachments

ATTACHMENT 6

Water Resources

- a. KDOW Water Health Assessment
- b. 2016 Kentucky 305(b) list
- c. EDR DataMap Well Search Report and Map

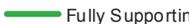
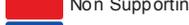
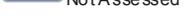
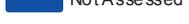




Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

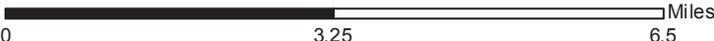
Water Health Assessment - Kentucky Division of Water

Legend

| | | |
|---|--|---|
| Streams | Lakes |  Outstanding State Resource Waters |
| Assessment Status | Assessment Status |  Total Maximum Daily Load |
|  Fully Supporting |  Fully Supporting | |
|  Partially Supporting |  Partially Supporting | |
|  Non Supporting |  Non Supporting | |
|  Not Assessed |  Not Assessed | |

Print Date: 1/24/2020







| Waterbody | TotalSize | ID305B | WaterType | RecvStream | Watershed | Basin | HUC8 | County | WAHCAH | PCR | SCR | FishConsum | DWS | OSRW | AssessDate | DesigUses | AssessCat | Causes | Sources | Trend | TrophicSt | CycleYear | BasinCoord |
|---------------------------------|------------|-------------|-----------|--------------------------------|-----------|----------------|----------|--------------------|--------|-------|-------|------------|-----|------|------------|-------------------|-----------|------------------------------|---------------------------------|-------|-----------|-----------|---|
| East Hickman Creek 0.0 to 4.2 | 4.2 miles | KY491487_01 | River | Hickman Creek (00494112) | Kentucky | Kentucky River | 05100205 | Jessamine | 3 | 5-NS | 3 | 3 | 3 | 3 | 8/12/2016 | WAH, FC, PCR, SCR | 5 | 400 | 169, 173 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| East Hickman Creek 4.2 to 10.55 | 6.35 miles | KY491487_02 | River | Hickman Creek () | Kentucky | Kentucky River | 05100205 | Fayette | 5-PS | 5-NS | 3 | 3 | 3 | 3 | 1/24/2000 | WAH, FC, PCR, SCR | 5 | 400, 448 | 143, 169 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| Hickman Creek 0.05 to 6.0 | 5.95 miles | KY494112_01 | River | Kentucky River (00513130) | Kentucky | Kentucky River | 05100205 | Jessamine | 5-PS | 5-NS | 3 | 3 | 3 | 3 | 8/11/2016 | WAH, FC, PCR, SCR | 5 | 400, 448 | 85, 141, 143, 173 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| Hickman Creek 6.0 to 25.5 | 19.5 miles | KY494112_02 | River | Kentucky River (00513130) | Kentucky | Kentucky River | 05100205 | Jessamine | 5-PS | 5-NS | 3 | 3 | 3 | 3 | 8/12/2016 | WAH, FC, PCR, SCR | 5 | 371, 400, 448 | 85, 87, 141, 143, 156, 169, 173 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| Shelby Branch 0.0 to 4.35 | 4.35 miles | KY503313_01 | River | East Hickman Creek (00491487) | Kentucky | Kentucky River | 05100205 | Fayette, Jessamine | 3 | 5-NS | 3 | 3 | 3 | 3 | 8/11/2016 | WAH, FC, PCR, SCR | 5 | 400 | 141, 156, 173 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| Town Branch 0.0 to 9.2 | 9.2 miles | KY505386_01 | River | South Elkhorn Creek (00503901) | Kentucky | Kentucky River | 05100205 | Fayette | 5-PS | 4A-NS | 3 | 3 | 3 | 3 | 11/4/2009 | WAH, FC, PCR, SCR | 5 | 319, 379, 400, 448, 449 | 85, 156, 177 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| Town Branch 10.8 to 12.4 | 1.6 miles | KY505386_03 | River | South Elkhorn Creek (00503901) | Kentucky | Kentucky River | 05100205 | Fayette | 5-NS | 4A-NS | 4A-NS | 3 | 3 | 3 | 11/4/2009 | WAH, FC, PCR, SCR | 5 | 319, 331, 371, 379, 400, 448 | 72, 84, 141, 169, 177 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| Town Branch 9.2 to 10.8 | 1.6 miles | KY505386_02 | River | South Elkhorn Creek (00503901) | Kentucky | Kentucky River | 05100205 | Fayette | 5-PS | 4A-NS | 3 | 3 | 3 | 3 | 11/4/2009 | WAH, FC, PCR, SCR | 5 | 371, 379, 400, 448, 449 | 72, 84, 85, 177 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| West Hickman Creek 0.0 to 3.1 | 3.1 miles | KY506457_01 | River | Hickman Creek (00494112) | Kentucky | Kentucky River | 05100205 | Jessamine | 5-PS | 5-PS | 3 | 3 | 3 | 3 | 1/24/2000 | WAH, FC, PCR, SCR | 5 | 400, 448, 449 | 85, 169 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| West Hickman Creek 3.1 to 8.4 | 5.3 miles | KY506457_02 | River | Hickman Creek (00494112) | Kentucky | Kentucky River | 05100205 | Fayette, Jessamine | 5-PS | 5-NS | 3 | 3 | 3 | 3 | 8/12/2016 | WAH, FC, PCR, SCR | 5 | 371, 379, 400, 448, 449 | 111, 169, 177 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |
| Wolf Run 0.0 to 4.3 | 4.3 miles | KY507029_01 | River | Town Branch (00505386) | Kentucky | Kentucky River | 05100205 | Fayette | 5-NS | 4A-PS | 4A-PS | 3 | 3 | 3 | 1/21/2016 | WAH, FC, PCR, SCR | 5 | 217, 379, 400, 448 | 20, 72, 135, 141, 169, 177 | | | 2016 | https://eec.ky.gov/Environmental-Protection/Water/Outreach/BasinCoordination/Pages/KentuckyRiverBasin.aspx |

SE Lexington Connectivity Study
Lexington, KY 40515

Inquiry Number: 5939521.2w
January 17, 2020

EDR DataMap™ Well Search Report



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

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2020 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

GEOCHECK VERSION 2.1 SUMMARY

FEDERAL DATABASE WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> |
|-------------------|--------------------|
| 11 | USGS40000385155 |
| 19 | USGS40000385118 |
| 20 | USGS40000385113 |
| 24 | USGS40000385104 |
| 38 | USGS40000384967 |
| 40 | USGS40000384958 |
| 41 | USGS40000384956 |
| 45 | USGS40000384915 |
| 53 | USGS40000384867 |
| 59 | USGS40000384790 |
| 61 | USGS40000384778 |
| 63 | USGS40000384759 |
| 64 | USGS40000384750 |
| 74 | USGS40000384650 |
| 77 | USGS40000384641 |
| 79 | USGS40000384629 |
| 82 | USGS40000384534 |

STATE WATER WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> |
|-------------------|--------------------|
| 1 | KY6000000007259 |
| 2 | KY6000000008833 |
| 2 | KY6000000009011 |
| 2 | KY6000000007261 |
| 3 | KY6000000006268 |
| 3 | KY6000000006267 |
| 4 | KY60000000097932 |
| 4 | KY60000000076586 |
| 5 | KY60000000078338 |
| 5 | KY60000000078353 |
| 6 | KY60000000080387 |
| 6 | KY60000000080094 |
| 6 | KY60000000080388 |
| 7 | KY60000000015895 |
| 8 | KY60000000035903 |
| 10 | KY60000000075092 |
| 10 | KY60000000075093 |
| 10 | KY60000000075094 |
| 10 | KY60000000090825 |
| 11 | KY60000000037267 |
| 11 | KY60000000035910 |
| 12 | KY60000000037319 |
| 13 | KY60000000037347 |
| 13 | KY60000000037348 |
| 14 | KY60000000087945 |
| 14 | KY60000000082688 |
| 14 | KY60000000087937 |
| 14 | KY60000000087941 |
| 14 | KY60000000082689 |
| 14 | KY60000000095083 |
| 15 | KY60000000066416 |

GEOCHECK VERSION 2.1 SUMMARY

STATE WATER WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> |
|-------------------|--------------------|
| 15 | KY6000000066417 |
| 15 | KY6000000065069 |
| 15 | KY6000000065068 |
| 15 | KY6000000069749 |
| 15 | KY6000000069750 |
| 15 | KY6000000069747 |
| 15 | KY6000000069748 |
| 14 | KY6000000082687 |
| 14 | KY6000000082686 |
| 15 | KY6000000076991 |
| 15 | KY6000000076990 |
| 15 | KY6000000066245 |
| 15 | KY6000000069955 |
| 15 | KY6000000076993 |
| 15 | KY6000000076992 |
| 15 | KY6000000077914 |
| 15 | KY6000000076994 |
| 15 | KY6000000087514 |
| 15 | KY6000000065402 |
| 15 | KY6000000065401 |
| 15 | KY6000000062707 |
| 15 | KY6000000065430 |
| 15 | KY6000000066594 |
| 15 | KY6000000065134 |
| 15 | KY6000000065133 |
| 16 | KY6000000075732 |
| 16 | KY6000000075731 |
| 15 | KY6000000064021 |
| 15 | KY6000000064022 |
| 15 | KY6000000064023 |
| 15 | KY6000000064024 |
| 15 | KY6000000071312 |
| 15 | KY6000000071311 |
| 15 | KY6000000062325 |
| 15 | KY6000000074897 |
| 15 | KY6000000071314 |
| 15 | KY6000000071313 |
| 17 | KY6000000040396 |
| 18 | KY6000000029862 |
| 18 | KY6000000029863 |
| 15 | KY6000000062326 |
| 15 | KY6000000062324 |
| 15 | KY6000000074386 |
| 15 | KY6000000074387 |
| 20 | KY6000000078015 |
| 20 | KY6000000060321 |
| 21 | KY6000000050401 |
| 20 | KY6000000053413 |
| 21 | KY6000000048789 |
| 22 | KY6000000032988 |
| 22 | KY6000000073021 |
| 22 | KY6000000073025 |
| 22 | KY6000000073026 |
| 23 | KY6000000037293 |

GEOCHECK VERSION 2.1 SUMMARY

STATE WATER WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> |
|-------------------|--------------------|
| 25 | KY6000000017685 |
| 25 | KY6000000054822 |
| 26 | KY6000000075346 |
| 26 | KY6000000075345 |
| 26 | KY6000000075348 |
| 26 | KY6000000075347 |
| 26 | KY6000000066158 |
| 26 | KY6000000066157 |
| 26 | KY6000000066147 |
| 26 | KY6000000066148 |
| 26 | KY6000000066146 |
| 26 | KY6000000073088 |
| 26 | KY6000000073089 |
| 26 | KY6000000073086 |
| 26 | KY6000000073087 |
| 26 | KY6000000075349 |
| 26 | KY6000000078329 |
| 26 | KY6000000078330 |
| 26 | KY6000000076282 |
| 26 | KY6000000076283 |
| 26 | KY6000000097293 |
| 26 | KY6000000097292 |
| 26 | KY6000000067999 |
| 26 | KY6000000097294 |
| 27 | KY6000000040147 |
| 28 | KY6000000039575 |
| 26 | KY6000000038876 |
| 27 | KY6000000040150 |
| 29 | KY6000000040039 |
| 30 | KY6000000081671 |
| 30 | KY6000000081670 |
| 30 | KY6000000081672 |
| 30 | KY6000000083531 |
| 30 | KY6000000081673 |
| 32 | KY6000000076837 |
| 33 | KY6000000097340 |
| 33 | KY6000000097342 |
| 33 | KY6000000097343 |
| 33 | KY6000000097341 |
| 34 | KY6000000039268 |
| 35 | KY6000000067815 |
| 35 | KY6000000067814 |
| 35 | KY6000000067816 |
| 36 | KY6000000040414 |
| 37 | KY6000000077732 |
| 37 | KY6000000077731 |
| 37 | KY6000000077728 |
| 37 | KY6000000077733 |
| 37 | KY6000000077730 |
| 37 | KY6000000077639 |
| 37 | KY6000000077729 |
| 38 | KY600000008886 |
| 38 | KY600000008887 |
| 38 | KY6000000005552 |

GEOCHECK VERSION 2.1 SUMMARY

STATE WATER WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> |
|-------------------|--------------------|
| 39 | KY6000000037339 |
| 40 | KY6000000050034 |
| 40 | KY6000000048568 |
| 41 | KY6000000048567 |
| 41 | KY6000000050199 |
| 42 | KY6000000008885 |
| 43 | KY6000000054823 |
| 44 | KY6000000040035 |
| 46 | KY6000000067812 |
| 46 | KY6000000067488 |
| 46 | KY6000000067481 |
| 47 | KY6000000031477 |
| 48 | KY6000000054824 |
| 49 | KY6000000023239 |
| 50 | KY6000000009996 |
| 48 | KY6000000054825 |
| 52 | KY6000000054828 |
| 52 | KY6000000053863 |
| 52 | KY6000000053862 |
| 52 | KY6000000054827 |
| 54 | KY6000000015084 |
| 54 | KY6000000073617 |
| 54 | KY6000000073618 |
| 54 | KY6000000073616 |
| 54 | KY6000000063590 |
| 54 | KY6000000063592 |
| 54 | KY6000000063591 |
| 54 | KY6000000061716 |
| 54 | KY6000000063933 |
| 54 | KY6000000063934 |
| 55 | KY6000000053864 |
| 55 | KY6000000054829 |
| 56 | KY6000000054826 |
| 57 | KY6000000060860 |
| 57 | KY6000000060861 |
| 57 | KY6000000089917 |
| 57 | KY6000000089916 |
| 57 | KY6000000067553 |
| 58 | KY6000000022449 |
| 58 | KY6000000031464 |
| 57 | KY6000000089914 |
| 57 | KY6000000089913 |
| 57 | KY6000000089918 |
| 57 | KY6000000089915 |
| 57 | KY6000000069067 |
| 57 | KY6000000069072 |
| 57 | KY6000000069050 |
| 57 | KY6000000084739 |
| 57 | KY6000000084735 |
| 57 | KY6000000082679 |
| 57 | KY6000000086626 |
| 57 | KY6000000086625 |
| 57 | KY6000000084767 |
| 60 | KY6000000001787 |

GEOCHECK VERSION 2.1 SUMMARY

STATE WATER WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> |
|-------------------|--------------------|
| 60 | KY600000001784 |
| 63 | KY6000000054051 |
| 64 | KY6000000054052 |
| 65 | KY6000000062224 |
| 64 | KY6000000046500 |
| 64 | KY6000000096329 |
| 64 | KY6000000096386 |
| 64 | KY6000000091805 |
| 64 | KY6000000096328 |
| 64 | KY6000000091803 |
| 64 | KY6000000081570 |
| 64 | KY6000000081567 |
| 64 | KY6000000081568 |
| 64 | KY6000000081569 |
| 64 | KY6000000091806 |
| 64 | KY6000000091804 |
| 64 | KY6000000063595 |
| 64 | KY6000000088267 |
| 64 | KY6000000096470 |
| 64 | KY6000000096469 |
| 64 | KY6000000096468 |
| 64 | KY6000000064774 |
| 64 | KY6000000064775 |
| 64 | KY6000000064776 |
| 64 | KY6000000063596 |
| 64 | KY6000000069210 |
| 64 | KY6000000063597 |
| 64 | KY6000000082445 |
| 64 | KY6000000089933 |
| 64 | KY6000000082446 |
| 64 | KY6000000082447 |
| 64 | KY6000000089932 |
| 66 | KY6000000015196 |
| 67 | KY6000000031491 |
| 68 | KY6000000005530 |
| 64 | KY6000000078318 |
| 64 | KY6000000078319 |
| 64 | KY6000000078317 |
| 69 | KY6000000083249 |
| 69 | KY6000000083250 |
| 69 | KY6000000083247 |
| 69 | KY6000000083248 |
| 64 | KY6000000086179 |
| 64 | KY6000000086178 |
| 64 | KY6000000086181 |
| 64 | KY6000000086180 |
| 70 | KY6000000073483 |
| 70 | KY6000000081154 |
| 70 | KY6000000081151 |
| 70 | KY6000000073541 |
| 70 | KY6000000073487 |
| 70 | KY6000000073486 |
| 70 | KY6000000073479 |
| 70 | KY6000000073480 |

GEOCHECK VERSION 2.1 SUMMARY

STATE WATER WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> |
|-------------------|--------------------|
| 70 | KY600000073482 |
| 70 | KY600000081152 |
| 70 | KY600000081153 |
| 70 | KY600000073478 |
| 70 | KY600000073453 |
| 70 | KY600000073456 |
| 70 | KY600000073454 |
| 70 | KY600000073455 |
| 70 | KY600000073457 |
| 70 | KY600000077428 |
| 70 | KY600000077427 |
| 70 | KY600000074465 |
| 70 | KY600000077014 |
| 70 | KY600000076232 |
| 70 | KY600000074466 |
| 70 | KY600000074371 |
| 70 | KY600000074464 |
| 70 | KY600000074462 |
| 70 | KY600000077013 |
| 70 | KY600000077012 |
| 70 | KY600000076236 |
| 70 | KY600000077011 |
| 70 | KY600000074463 |
| 70 | KY600000084550 |
| 70 | KY600000084549 |
| 70 | KY600000084548 |
| 71 | KY600000041930 |
| 70 | KY600000068327 |
| 70 | KY600000068631 |
| 70 | KY600000067821 |
| 72 | KY600000037315 |
| 73 | KY600000039338 |
| 75 | KY600000039583 |
| 76 | KY600000045743 |
| 75 | KY600000039596 |
| 75 | KY600000039602 |
| 78 | KY600000089094 |
| 78 | KY600000089096 |
| 78 | KY600000089095 |
| 78 | KY600000089097 |
| 78 | KY600000081448 |
| 78 | KY600000081446 |
| 78 | KY600000081447 |
| 78 | KY600000098272 |
| 78 | KY600000098271 |
| 78 | KY600000098278 |
| 78 | KY600000098277 |
| 78 | KY600000098269 |
| 78 | KY600000098270 |
| 78 | KY600000098274 |
| 78 | KY600000098273 |
| 78 | KY600000098276 |
| 78 | KY600000098275 |
| 80 | KY600000017686 |

GEOCHECK VERSION 2.1 SUMMARY

STATE WATER WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> |
|---------------|-----------------|
| 80 | KY6000000017687 |
| 81 | KY6000000083260 |
| 81 | KY6000000083261 |
| 81 | KY6000000084197 |
| 81 | KY6000000083262 |
| 83 | KY6000000015203 |

STATE OIL/GAS WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> |
|---------------|-----------------|
| 1 | KYOG12000056128 |
| 2 | KYOG12000031486 |
| 3 | KYOG12000031480 |
| 4 | KYOG12000010947 |

PUBLIC WATER SUPPLY SYSTEM INFORMATION

| | | |
|---|--|-----|
| Map ID: | 9 | |
| PWS ID: | KY0340250 | |
| PWS Name: | KENTUCKY-AMERICAN WATER CO DILLARD GRIFFIN 2300 RICHMOND ROAD LEXINGTON, KY 405022000 | |
| PWS currently has or had major violation(s) or enforcement: | | YES |
| Map ID: | 31 | |
| PWS ID: | KY0570588 | |
| PWS Name: | ICEBERG SPRING WATER HARVEY HOFFMASTER PO BOX 12527 LEXINGTON, KY 40583 | |
| PWS currently has or had major violation(s) or enforcement: | | NO |
| Map ID: | 51 | |
| PWS ID: | KY0340250 | |
| PWS Name: | KENTUCKY-AMERICAN WATER CO DILLARD GRIFFIN 2300 RICHMOND ROAD LEXINGTON, KY 405022000 | |
| PWS currently has or had major violation(s) or enforcement: | | YES |
| Map ID: | 62 | |
| PWS ID: | KY0762058 | |
| PWS Name: | CLAYS FERRY CAMPGROUND VIC TANKERSLEY 8950 RICHMOND ROAD LEXINGTON, KY 405150000 | |
| PWS currently has or had major violation(s) or enforcement: | | YES |

USGS TOPOGRAPHIC MAP(S)

37084-G3 RICHMOND NORTH, KY
37084-G4 VALLEY VIEW, KY
37084-G5 LITTLE HICKMAN, KY
37084-H3 FORD, KY

GEOCHECK VERSION 2.1 SUMMARY

USGS TOPOGRAPHIC MAP(S)

37084-H4 COLETOWN, KY
 37084-H5 NICHOLASVILLE, KY
 38084-A4 LEXINGTON EAST, KY

AREA RADON INFORMATION

Federal Area Radon Information for Zip Code: 40509

Number of sites tested: 1

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 0.900 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | Not Reported | Not Reported | Not Reported | Not Reported |

Federal Area Radon Information for Zip Code: 40503

Number of sites tested: 9

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 5.429 pCi/L | 43% | 57% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 6.267 pCi/L | 56% | 44% | 0% |

Federal Area Radon Information for Zip Code: 40515

Number of sites tested: 1

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 2.800 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 0.000 pCi/L | 56% | 44% | 0% |

Federal Area Radon Information for Zip Code: 40356

Number of sites tested: 6

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 1.983 pCi/L | 83% | 17% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 6.233 pCi/L | 67% | 33% | 0% |

Federal Area Radon Information for Zip Code: 40515

Number of sites tested: 1

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 2.800 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 0.000 pCi/L | 67% | 33% | 0% |

GEOCHECK VERSION 2.1 SUMMARY

AREA RADON INFORMATION

Federal Area Radon Information for Zip Code: 40356

Number of sites tested: 6

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 1.983 pCi/L | 83% | 17% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 6.233 pCi/L | 67% | 33% | 0% |

Federal Area Radon Information for Zip Code: 40515

Number of sites tested: 1

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 2.800 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 0.000 pCi/L | 67% | 33% | 0% |

Federal Area Radon Information for Zip Code: 40515

Number of sites tested: 1

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 2.800 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 0.000 pCi/L | 67% | 33% | 0% |

Federal Area Radon Information for Zip Code: 40475

Number of sites tested: 3

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 0.300 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 3.233 pCi/L | 67% | 33% | 0% |

Federal Area Radon Information for Zip Code: 40515

Number of sites tested: 1

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 2.800 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 0.000 pCi/L | 67% | 33% | 0% |

GEOCHECK VERSION 2.1 SUMMARY

AREA RADON INFORMATION

Federal EPA Radon Zone for FAYETTE County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for FAYETTE COUNTY, KY

Number of sites tested: 26

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 4.946 pCi/L | 58% | 42% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 7.176 pCi/L | 48% | 48% | 4% |

Federal EPA Radon Zone for CLARK County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for CLARK COUNTY, KY

Number of sites tested: 3

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 0.600 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 1.567 pCi/L | 100% | 0% | 0% |

Federal EPA Radon Zone for JESSAMINE County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for JESSAMINE COUNTY, KY

Number of sites tested: 8

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 1.950 pCi/L | 88% | 12% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 6.233 pCi/L | 67% | 33% | 0% |

Federal EPA Radon Zone for MADISON County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

GEOCHECK VERSION 2.1 SUMMARY

AREA RADON INFORMATION

Federal Area Radon Information for MADISON COUNTY, KY

Number of sites tested: 3

| <u>Area</u> | <u>Average Activity</u> | <u>% <4 pCi/L</u> | <u>% 4-20 pCi/L</u> | <u>% >20 pCi/L</u> |
|-------------------------|-------------------------|----------------------|---------------------|-----------------------|
| Living Area - 1st Floor | 0.300 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 3.233 pCi/L | 67% | 33% | 0% |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

Water Well Information:

| | | | |
|------------------------|------------------------------------|-----------------------------|--------------|
| Map ID: | 11 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F22A0018 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | 19390101 |
| Well Depth: | 102 | Well Depth Units: | ft |
| Well Hole Depth: | 102 | Well Hole Depth Units: | ft |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1975-04-21 |
| Feet below surface: | 14.30 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|--------------|
| Map ID: | 19 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F22A0020 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | Not Reported |
| Well Depth: | 80 | Well Depth Units: | ft |
| Well Hole Depth: | 80 | Well Hole Depth Units: | ft |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1975-04-21 |
| Feet below surface: | 30.45 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|-------------------|
| Map ID: | 20 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F22A0017 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Ordovician System |
| Aquifer Type: | Not Reported | Construction Date: | 19610101 |
| Well Depth: | 122 | Well Depth Units: | ft |
| Well Hole Depth: | 125 | Well Hole Depth Units: | ft |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1962-10-16 |
| Feet below surface: | 28.96 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|--------------|
| Map ID: | 24 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F22A0019 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | Not Reported |
| Well Depth: | Not Reported | Well Depth Units: | Not Reported |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1975-04-21 |
| Feet below surface: | 12.45 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|--------------|
| Map ID: | 38 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F21B0063 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | Not Reported |
| Well Depth: | 26.6 | Well Depth Units: | ft |
| Well Hole Depth: | 26.6 | Well Hole Depth Units: | ft |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1975-04-15 |
| Feet below surface: | 11.52 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|---------------------|
| Map ID: | 40 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F22B0011 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Lexington Limestone |
| Aquifer Type: | Not Reported | Construction Date: | Not Reported |
| Well Depth: | 57 | Well Depth Units: | ft |
| Well Hole Depth: | 57 | Well Hole Depth Units: | ft |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1967-06-09 |
| Feet below surface: | 44.0 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|---------------------|
| Map ID: | 41 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F22A0016 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Lexington Limestone |
| Aquifer Type: | Not Reported | Construction Date: | 19170101 |
| Well Depth: | 101 | Well Depth Units: | ft |
| Well Hole Depth: | 101 | Well Hole Depth Units: | ft |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1967-06-09 |
| Feet below surface: | 62.5 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|--------------|
| Map ID: | 45 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F25B0004 | Type: | Well |
| Description: | Not Reported | HUC: | 05100204 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | Not Reported |
| Well Depth: | 87.6 | Well Depth Units: | ft |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1952-06-11 |
| Feet below surface: | 48.53 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|--------------|
| Map ID: | 53 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F22A0022 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | Not Reported |
| Well Depth: | 55.8 | Well Depth Units: | ft |
| Well Hole Depth: | 55.8 | Well Hole Depth Units: | ft |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1975-04-21 |
| Feet below surface: | 37.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|--------------|
| Map ID: | 59 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F22A0021 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | Not Reported |
| Well Depth: | 107 | Well Depth Units: | ft |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1975-04-21 |
| Feet below surface: | 42.30 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|--------------|
| Map ID: | 61 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F22B0004 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | 19540101 |
| Well Depth: | 421 | Well Depth Units: | ft |
| Well Hole Depth: | 421 | Well Hole Depth Units: | ft |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1954-04-13 |
| Feet below surface: | 150.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|------------------------|------------------------------------|-----------------------------|--------------|
| Map ID: | 63 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | F21B0047 | Type: | Well |
| Description: | Not Reported | HUC: | 05100205 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Not Reported |
| Aquifer Type: | Not Reported | Construction Date: | Not Reported |
| Well Depth: | Not Reported | Well Depth Units: | Not Reported |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Map ID: 64
 Organization ID: USGS-KY
 Organization Name: USGS Kentucky Water Science Center
 Monitor Location: F21B0048 Type: Well
 Description: Not Reported HUC: 05100205
 Drainage Area: Not Reported Drainage Area Units: Not Reported
 Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported
 Aquifer: Not Reported Formation Type: Not Reported
 Aquifer Type: Not Reported Construction Date: Not Reported
 Well Depth: 80 Well Depth Units: ft
 Well Hole Depth: 80 Well Hole Depth Units: ft

Map ID: 74
 Organization ID: USGS-KY
 Organization Name: USGS Kentucky Water Science Center
 Monitor Location: F21D0039 Type: Well
 Description: Not Reported HUC: 05100205
 Drainage Area: Not Reported Drainage Area Units: Not Reported
 Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported
 Aquifer: Not Reported Formation Type: Not Reported
 Aquifer Type: Not Reported Construction Date: 19430101
 Well Depth: 150 Well Depth Units: ft
 Well Hole Depth: 150 Well Hole Depth Units: ft

Map ID: 77
 Organization ID: USGS-KY
 Organization Name: USGS Kentucky Water Science Center
 Monitor Location: J22CS001B Type: Well
 Description: Not Reported HUC: Not Reported
 Drainage Area: Not Reported Drainage Area Units: Not Reported
 Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported
 Aquifer: Not Reported Formation Type: Lee Formation
 Aquifer Type: Not Reported Construction Date: Not Reported
 Well Depth: Not Reported Well Depth Units: Not Reported
 Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

Map ID: 79
 Organization ID: USGS-KY
 Organization Name: USGS Kentucky Water Science Center
 Monitor Location: J22CS003B Type: Well
 Description: Not Reported HUC: Not Reported
 Drainage Area: Not Reported Drainage Area Units: Not Reported
 Contrib Drainage Area: Not Reported Contrib Drainage Area Unts: Not Reported
 Aquifer: Not Reported Formation Type: Lee Formation
 Aquifer Type: Not Reported Construction Date: Not Reported
 Well Depth: Not Reported Well Depth Units: Not Reported
 Well Hole Depth: Not Reported Well Hole Depth Units: Not Reported

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|------------------------|------------------------------------|-----------------------------|---------------|
| Map ID: | 82 | | |
| Organization ID: | USGS-KY | | |
| Organization Name: | USGS Kentucky Water Science Center | | |
| Monitor Location: | J22C0008 | Type: | Well |
| Description: | Not Reported | HUC: | Not Reported |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Not Reported | Formation Type: | Lee Formation |
| Aquifer Type: | Not Reported | Construction Date: | Not Reported |
| Well Depth: | Not Reported | Well Depth Units: | Not Reported |
| Well Hole Depth: | Not Reported | Well Hole Depth Units: | Not Reported |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

Water Well Information:

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 1 | Akgwa: | 9368 |
| Fid: | 7258 | Latdecimal: | 37.99888889 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.42166667 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 980 |
| Type: | W | Enddate: | 18-AUG-88 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY600000007259 | | |

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 2 | Akgwa: | 12125 |
| Fid: | 8832 | Latdecimal: | 37.99555556 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.41583333 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 970 |
| Type: | W | Enddate: | 25-JUL-88 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000008833 | | |

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 2 | Akgwa: | 12351 |
| Fid: | 9010 | Latdecimal: | 37.99472222 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.41722222 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 970 |
| Type: | W | Enddate: | 25-JUL-88 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000009011 | | |

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 2 | Akgwa: | 9370 |
| Fid: | 7260 | Latdecimal: | 37.99416667 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.42027778 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 965 |
| Type: | W | Enddate: | 22-AUG-88 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY600000007261 | | |

| | | | |
|-------------|----------------------------------|-------------|-------------|
| Map ID: | 3 | Akgwa: | 7594 |
| Fid: | 6267 | Latdecimal: | 37.99194444 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.40611111 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1020 |
| Type: | W | Enddate: | 04-AUG-90 |
| Usage: | Agriculture - Livestock Watering | | |
| Site id: | KY6000000006268 | | |

| | | | |
|-------------|--------------|-------------|-------------|
| Map ID: | 3 | Akgwa: | 7593 |
| Fid: | 6266 | Latdecimal: | 37.99166667 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.40611111 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-----------|----------------|-------------|-----------|
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 1015 |
| Usage: | Not Reported | Enddate: | 03-AUG-90 |
| Site id: | KY600000006267 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 4 | Akgwa: | 80066896 |
| Fid: | 97931 | Latdecimal: | 37.99039 |
| Altid: | MW-4R | County: | Fayette |
| Longdecima: | -84.44848 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1020 |
| Type: | M | | |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000097932 |
| Enddate: | 12-MAY-14 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 4 | Akgwa: | 80033519 |
| Fid: | 76585 | Latdecimal: | 37.98972222 |
| Altid: | MW-01 | County: | Fayette |
| Longdecima: | -84.44861111 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1020 |
| Type: | M | | |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000076586 |
| Enddate: | 11-SEP-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 5 | Akgwa: | 80036067 |
| Fid: | 78337 | Latdecimal: | 37.98583333 |
| Altid: | MW-03 | County: | Fayette |
| Longdecima: | -84.45972222 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1015 |
| Type: | M | | |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000078338 |
| Enddate: | 23-APR-99 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 5 | Akgwa: | 80036088 |
| Fid: | 78352 | Latdecimal: | 37.98583333 |
| Altid: | MW-02 | County: | Fayette |
| Longdecima: | -84.45972222 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1015 |
| Type: | M | | |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000078353 |
| Enddate: | 23-APR-99 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 6 | Akgwa: | 80038963 |
| Fid: | 80386 | Latdecimal: | 37.98555556 |
| Altid: | MW-02 | County: | Fayette |
| Longdecima: | -84.45472222 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1030 |
| Type: | M | | |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000080387 |
| Enddate: | 15-SEP-98 | | |

| | | | |
|---------|---|--|--|
| Map ID: | 6 | | |
|---------|---|--|--|

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 80093 | Akgwa: | 80038567 |
| Altid: | MW-03 | Latdecimal: | 37.98555556 |
| Longdecima: | -84.45472222 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1030 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000080094 |
| Enddate: | 01-DEC-99 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 6 | Akgwa: | 80038964 |
| Fid: | 80387 | Latdecimal: | 37.98555556 |
| Altid: | MW-01 | County: | Fayette |
| Longdecima: | -84.45472222 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1030 |
| Type: | M | Site id: | KY600000080388 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 25-SEP-98 | | |

| | | | |
|-------------|-----------------|-------------|--------------|
| Map ID: | 7 | Akgwa: | 23032 |
| Fid: | 15894 | Latdecimal: | 37.985209 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.413166 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1009 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Unused | | |
| Site id: | KY6000000015895 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 8 | Akgwa: | 60517 |
| Fid: | 35902 | Latdecimal: | 37.979611 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.438444 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 980 |
| Type: | W | Enddate: | 11-JUL-05 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000035903 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 10 | Akgwa: | 80031248 |
| Fid: | 75091 | Latdecimal: | 37.97888889 |
| Altid: | MW-103 | County: | Fayette |
| Longdecima: | -84.53472222 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1020 |
| Type: | M | Site id: | KY600000075092 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 25-OCT-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 10 | Akgwa: | 80031249 |
| Fid: | 75092 | Latdecimal: | 37.97888889 |
| Altid: | MW-102 | County: | Fayette |
| Longdecima: | -84.53472222 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1020 |
| Type: | M | Site id: | KY600000075093 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 25-OCT-96 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 75093 | Akgwa: | 80031250 |
| Altid: | MW-101 | Latdecimal: | 37.97888889 |
| Longdecima: | -84.53472222 | County: | Fayette |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1020 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000075094 |
| Enddate: | 25-OCT-96 | | |

| | | | |
|-------------|------------------------------|-------------|-----------|
| Map ID: | 10 | Akgwa: | 80053907 |
| Fid: | 90824 | Latdecimal: | 37.978067 |
| Altid: | MW-01 | County: | Fayette |
| Longdecima: | -84.532807 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1040 |
| Type: | M | Enddate: | 31-MAR-08 |
| Usage: | Monitoring Well - Compliance | | |
| Site id: | KY6000000090825 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 11 | Akgwa: | 63294 |
| Fid: | 37266 | Latdecimal: | 37.9725 |
| Altid: | WELL | County: | Fayette |
| Longdecima: | -84.449861 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 950 |
| Type: | W | Enddate: | 26-APR-07 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000037267 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 11 | Akgwa: | 60524 |
| Fid: | 35909 | Latdecimal: | 37.970111 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.449361 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 940 |
| Type: | W | Enddate: | 25-AUG-05 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000035910 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 12 | Akgwa: | 63348 |
| Fid: | 37318 | Latdecimal: | 37.968972 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.453389 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 974 |
| Type: | W | Enddate: | 22-APR-08 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000037319 | | |

| | | | |
|-------------|--------------------------|-------------|--------------|
| Map ID: | 13 | Akgwa: | 63380 |
| Fid: | 37346 | Latdecimal: | 37.965083 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.534139 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1012 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000037347 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------|-------------|-----------|
| Fid: | 37347 | Akgwa: | 63380 |
| Altid: | Not Reported | Latdecimal: | 37.965083 |
| Longdecima: | -84.534139 | County: | Fayette |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 1012 |
| Usage: | Agriculture - Irrigation | Enddate: | 16-MAR-09 |
| Site id: | KY6000000037348 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 14 | | |
| Fid: | 87944 | Akgwa: | 80049200 |
| Altid: | MW-07 | Latdecimal: | 37.964875 |
| Longdecima: | -84.376915 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 930 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 21-NOV-03 | Site id: | KY6000000087945 |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 14 | | |
| Fid: | 82687 | Akgwa: | 80042173 |
| Altid: | MW-02 | Latdecimal: | 37.96485 |
| Longdecima: | -84.376984 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 930 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 12-MAR-01 | Site id: | KY6000000082688 |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 14 | | |
| Fid: | 87936 | Akgwa: | 80049192 |
| Altid: | MW-05 | Latdecimal: | 37.964847 |
| Longdecima: | -84.377114 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 930 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 21-NOV-03 | Site id: | KY6000000087937 |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 14 | | |
| Fid: | 87940 | Akgwa: | 80049196 |
| Altid: | MW-06 | Latdecimal: | 37.96483 |
| Longdecima: | -84.376931 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 930 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 21-NOV-03 | Site id: | KY6000000087941 |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 14 | | |
| Fid: | 82688 | Akgwa: | 80042174 |
| Altid: | MW-04 | Latdecimal: | 37.964801 |
| Longdecima: | -84.377088 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 930 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 13-MAR-01 | Site id: | KY6000000082689 |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|-----------------|-------------|-----------|
| Fid: | 95082 | Akgwa: | 80060406 |
| Altid: | MW-11 | Latdecimal: | 37.964727 |
| Longdecima: | -84.377044 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Remediation | Enddate: | 25-MAY-10 |
| Site id: | KY6000000095083 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | Akgwa: | 80012525 |
| Fid: | 66415 | Latdecimal: | 37.9647222 |
| Altid: | MW-07 | County: | Fayette |
| Longdecima: | -84.39138889 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000066416 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-MAR-94 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | Akgwa: | 80012526 |
| Fid: | 66416 | Latdecimal: | 37.96472222 |
| Altid: | MW-08 | County: | Fayette |
| Longdecima: | -84.39138889 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000066417 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-MAR-94 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | Akgwa: | 80009812 |
| Fid: | 65068 | Latdecimal: | 37.96472222 |
| Altid: | MW-06 | County: | Fayette |
| Longdecima: | -84.39138889 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000065069 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 18-FEB-94 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | Akgwa: | 80009811 |
| Fid: | 65067 | Latdecimal: | 37.96472222 |
| Altid: | MW-05 | County: | Fayette |
| Longdecima: | -84.39138889 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000065068 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-FEB-94 | | |

| | | | |
|-------------|-----------------|-------------|-------------|
| Map ID: | 15 | Akgwa: | 80018569 |
| Fid: | 69748 | Latdecimal: | 37.96472222 |
| Altid: | MW-03 | County: | Fayette |
| Longdecima: | -84.39138889 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 960 |
| Type: | M | Enddate: | 01-JAN-00 |
| Usage: | Remediation | | |
| Site id: | KY6000000069749 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

Fid: 69749
 Altid: MW-04
 Longdecima: -84.39138889
 Quadname: Coletown
 Type: M
 Usage: Remediation
 Site id: KY6000000069750

Akgwa: 80018570
 Latdecimal: 37.96472222
 County: Fayette
 Physiograp: Bluegrass
 Surfaceele: 960
 Enddate: 01-JAN-00

Map ID: 15
 Fid: 69746
 Altid: MW-01
 Longdecima: -84.39138889
 Quadname: Coletown
 Type: M
 Usage: Remediation
 Site id: KY6000000069748

Akgwa: 80018567
 Latdecimal: 37.96472222
 County: Fayette
 Physiograp: Bluegrass
 Surfaceele: 960
 Enddate: 01-JAN-00

Map ID: 15
 Fid: 69747
 Altid: MW-02
 Longdecima: -84.39138889
 Quadname: Coletown
 Type: M
 Usage: Remediation
 Site id: KY6000000069748

Akgwa: 80018568
 Latdecimal: 37.96472222
 County: Fayette
 Physiograp: Bluegrass
 Surfaceele: 960
 Enddate: 01-JAN-00

Map ID: 14
 Fid: 82686
 Altid: MW-03
 Longdecima: -84.377138
 Quadname: Coletown
 Type: M
 Usage: Monitoring Well - Ambient Monitoring
 Enddate: 13-MAR-01

Akgwa: 80042172
 Latdecimal: 37.964706
 County: Fayette
 Physiograp: Bluegrass
 Surfaceele: 930
 Site id: KY6000000082687

Map ID: 14
 Fid: 82685
 Altid: MW-01
 Longdecima: -84.376956
 Quadname: Coletown
 Type: M
 Usage: Monitoring Well - Ambient Monitoring
 Enddate: 12-MAR-01

Akgwa: 80042171
 Latdecimal: 37.964585
 County: Fayette
 Physiograp: Bluegrass
 Surfaceele: 930
 Site id: KY6000000082686

Map ID: 15
 Fid: 76990
 Altid: MW-09
 Longdecima: -84.39083333
 Quadname: Coletown
 Type: M
 Usage: Monitoring Well - Ambient Monitoring
 Enddate: 23-OCT-97

Akgwa: 80034115
 Latdecimal: 37.96444444
 County: Fayette
 Physiograp: Bluegrass
 Surfaceele: 990
 Site id: KY6000000076991

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 76989 | Akgwa: | 80034114 |
| Altid: | MW-12 | Latdecimal: | 37.96444444 |
| Longdecima: | -84.39083333 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 990 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000076990 |
| Enddate: | 22-OCT-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80012285 |
| Fid: | 66244 | Latdecimal: | 37.96444444 |
| Altid: | MW-06 | County: | Fayette |
| Longdecima: | -84.39083333 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 990 |
| Type: | M | Site id: | KY600000066245 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-JUL-94 | | |

| | | | |
|-------------|----------------|-------------|-------------|
| Map ID: | 15 | Akgwa: | 80018786 |
| Fid: | 69954 | Latdecimal: | 37.96444444 |
| Altid: | MW-05 | County: | Fayette |
| Longdecima: | -84.39083333 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 990 |
| Type: | M | Enddate: | 01-JAN-00 |
| Usage: | Not Reported | | |
| Site id: | KY600000069955 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80034117 |
| Fid: | 76992 | Latdecimal: | 37.96444444 |
| Altid: | MW-11 | County: | Fayette |
| Longdecima: | -84.39083333 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 990 |
| Type: | M | Site id: | KY600000076993 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 22-OCT-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80034116 |
| Fid: | 76991 | Latdecimal: | 37.96444444 |
| Altid: | MW-10 | County: | Fayette |
| Longdecima: | -84.39083333 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 990 |
| Type: | M | Site id: | KY600000076992 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 22-OCT-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80035510 |
| Fid: | 77913 | Latdecimal: | 37.96444444 |
| Altid: | MW-14 | County: | Fayette |
| Longdecima: | -84.39083333 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 990 |
| Type: | M | Site id: | KY600000077914 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 07-JUL-98 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 76993 | Akgwa: | 80034118 |
| Altid: | MW-13 | Latdecimal: | 37.96444444 |
| Longdecima: | -84.39083333 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 990 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000076994 |
| Enddate: | 23-OCT-97 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 15 | Akgwa: | 80048692 |
| Fid: | 87513 | Latdecimal: | 37.964444 |
| Altid: | RW-01 | County: | Fayette |
| Longdecima: | -84.390833 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | M | Enddate: | 14-OCT-03 |
| Usage: | Remediation | | |
| Site id: | KY6000000087514 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80010381 |
| Fid: | 65401 | Latdecimal: | 37.96333333 |
| Altid: | MW-03 | County: | Fayette |
| Longdecima: | -84.3925 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1020 |
| Type: | M | Site id: | KY600000065402 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 11-MAY-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80010380 |
| Fid: | 65400 | Latdecimal: | 37.96333333 |
| Altid: | MW-02 | County: | Fayette |
| Longdecima: | -84.3925 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1020 |
| Type: | M | Site id: | KY600000065401 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 11-MAY-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80006416 |
| Fid: | 62706 | Latdecimal: | 37.96333333 |
| Altid: | MW-01 | County: | Fayette |
| Longdecima: | -84.3925 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1020 |
| Type: | M | Site id: | KY600000062707 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 12-JAN-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80010410 |
| Fid: | 65429 | Latdecimal: | 37.96333333 |
| Altid: | MW-04 | County: | Fayette |
| Longdecima: | -84.3925 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1020 |
| Type: | M | Site id: | KY600000065430 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 11-MAY-93 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 66593 | Akgwa: | 80012785 |
| Altid: | MW-07 | Latdecimal: | 37.96333333 |
| Longdecima: | -84.39194444 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1020 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000066594 |
| Enddate: | 20-JUL-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | | |
| Fid: | 65133 | Akgwa: | 80009934 |
| Altid: | MW-06 | Latdecimal: | 37.96333333 |
| Longdecima: | -84.39194444 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1020 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000065134 |
| Enddate: | 20-JUL-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | | |
| Fid: | 65132 | Akgwa: | 80009933 |
| Altid: | MW-05 | Latdecimal: | 37.96333333 |
| Longdecima: | -84.39194444 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1020 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000065133 |
| Enddate: | 20-JUL-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 16 | | |
| Fid: | 75731 | Akgwa: | 80032142 |
| Altid: | MW-12 | Latdecimal: | 37.96305556 |
| Longdecima: | -84.49611111 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000075732 |
| Enddate: | 06-MAR-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 16 | | |
| Fid: | 75730 | Akgwa: | 80032141 |
| Altid: | MW-11 | Latdecimal: | 37.96305556 |
| Longdecima: | -84.49611111 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000075731 |
| Enddate: | 06-MAR-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | | |
| Fid: | 64020 | Akgwa: | 80008043 |
| Altid: | MW-01 | Latdecimal: | 37.96305556 |
| Longdecima: | -84.39194444 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1035 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000064021 |
| Enddate: | 12-JAN-93 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 64021 | Akgwa: | 80008044 |
| Altid: | MW-02 | Latdecimal: | 37.96305556 |
| Longdecima: | -84.39194444 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1035 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000064022 |
| Enddate: | 13-JAN-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80008045 |
| Fid: | 64022 | Latdecimal: | 37.96305556 |
| Altid: | MW-03 | County: | Fayette |
| Longdecima: | -84.39194444 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1035 |
| Type: | M | Site id: | KY600000064023 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 13-JAN-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80008046 |
| Fid: | 64023 | Latdecimal: | 37.96305556 |
| Altid: | MW-04 | County: | Fayette |
| Longdecima: | -84.39194444 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1035 |
| Type: | M | Site id: | KY600000064024 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 14-JAN-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80023552 |
| Fid: | 71311 | Latdecimal: | 37.96166667 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.38805556 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1045 |
| Type: | M | Site id: | KY600000071312 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-JAN-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80023551 |
| Fid: | 71310 | Latdecimal: | 37.96166667 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.38805556 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1045 |
| Type: | M | Site id: | KY600000071311 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-JAN-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 15 | Akgwa: | 80005935 |
| Fid: | 62324 | Latdecimal: | 37.96166667 |
| Altid: | MW-07; 0002-5863 | County: | Fayette |
| Longdecima: | -84.38805556 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1040 |
| Type: | M | Site id: | KY600000062325 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-AUG-91 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 74896 | Akgwa: | 80030954 |
| Altid: | MW-11 | Latdecimal: | 37.96166667 |
| Longdecima: | -84.38805556 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1045 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000074897 |
| Enddate: | 09-OCT-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | Akgwa: | 80023554 |
| Fid: | 71313 | Latdecimal: | 37.96166667 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.38805556 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1045 |
| Type: | M | Site id: | KY6000000071314 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-JAN-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | Akgwa: | 80023553 |
| Fid: | 71312 | Latdecimal: | 37.96166667 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.38805556 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1045 |
| Type: | M | Site id: | KY6000000071313 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-JAN-00 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 17 | Akgwa: | 70220 |
| Fid: | 40395 | Latdecimal: | 37.961593 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.440939 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | 25-JUL-14 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000040396 | | |

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 18 | Akgwa: | 51101 |
| Fid: | 29861 | Latdecimal: | 37.96138889 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.45111111 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 960 |
| Type: | W | Enddate: | 12-NOV-98 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000029862 | | |

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 18 | Akgwa: | 51102 |
| Fid: | 29862 | Latdecimal: | 37.96138889 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.45111111 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 960 |
| Type: | W | Enddate: | 12-NOV-98 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000029863 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 62325 | Akgwa: | 80005936 |
| Altid: | MW-06; 0002-5862 | Latdecimal: | 37.96138889 |
| Longdecima: | -84.38805556 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1040 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000062326 |
| Enddate: | 01-AUG-91 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | Akgwa: | 80005934 |
| Fid: | 62323 | Latdecimal: | 37.96138889 |
| Altid: | MW-08; 0002-5864 | County: | Fayette |
| Longdecima: | -84.38805556 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1040 |
| Type: | M | Site id: | KY6000000062324 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-AUG-91 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | Akgwa: | 80030269 |
| Fid: | 74385 | Latdecimal: | 37.96111111 |
| Altid: | MW-07 | County: | Fayette |
| Longdecima: | -84.39111111 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 980 |
| Type: | M | Site id: | KY6000000074386 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 05-NOV-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 15 | Akgwa: | 80030270 |
| Fid: | 74386 | Latdecimal: | 37.96111111 |
| Altid: | MW-08 | County: | Fayette |
| Longdecima: | -84.39111111 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 980 |
| Type: | M | Site id: | KY6000000074387 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 05-NOV-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 20 | Akgwa: | 80035682 |
| Fid: | 78014 | Latdecimal: | 37.95805556 |
| Altid: | MW-01 | County: | Fayette |
| Longdecima: | -84.37694444 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | M | Site id: | KY6000000078015 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 02-JUN-98 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 20 | Akgwa: | 80002615 |
| Fid: | 60320 | Latdecimal: | 37.95722222 |
| Altid: | MW-02 | County: | Fayette |
| Longdecima: | -84.37638889 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 980 |
| Type: | M | Site id: | KY6000000060321 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-APR-92 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|-----------------------------|-------------|------------------|
| Fid: | 50400 | Akgwa: | 40005015 |
| Altid: | Not Reported | Latdecimal: | 37.956749 |
| Longdecima: | -84.369377 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Inner Blue Grass |
| Type: | W | Surfaceele: | 0 |
| Usage: | Domestic - Single Household | Enddate: | Not Reported |
| Site id: | KY6000000050401 | | |

| | | | |
|-------------|-----------------|-------------|------------------|
| Map ID: | 20 | Akgwa: | 40008360 |
| Fid: | 53412 | Latdecimal: | 37.956745 |
| Altid: | 375724084221001 | County: | Fayette |
| Longdecima: | -84.378267 | Physiograp: | Inner Blue Grass |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Not Reported | | |
| Site id: | KY6000000053413 | | |

| | | | |
|-------------|-----------------|-------------|------------------|
| Map ID: | 21 | Akgwa: | 40003375 |
| Fid: | 48788 | Latdecimal: | 37.956744 |
| Altid: | 375724084221001 | County: | Fayette |
| Longdecima: | -84.369377 | Physiograp: | Inner Blue Grass |
| Quadname: | Ford | Surfaceele: | 990 |
| Type: | W | Enddate: | Not Reported |
| Usage: | UNKNOWN | | |
| Site id: | KY6000000048789 | | |

| | | | |
|-------------|--------------------------|-------------|------------|
| Map ID: | 22 | Akgwa: | 55618 |
| Fid: | 32987 | Latdecimal: | 37.9566667 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.53888889 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1040 |
| Type: | W | Enddate: | 21-MAY-01 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000032988 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 22 | Akgwa: | 80028380 |
| Fid: | 73020 | Latdecimal: | 37.95611111 |
| Altid: | MW-03 | County: | Jessamine |
| Longdecima: | -84.53944444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1045 |
| Type: | M | Site id: | KY6000000073021 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 03-OCT-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 22 | Akgwa: | 80028385 |
| Fid: | 73024 | Latdecimal: | 37.95611111 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.53944444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1045 |
| Type: | M | Site id: | KY6000000073025 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 03-OCT-95 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 73025 | Akgwa: | 80028386 |
| Altid: | MW-02 | Latdecimal: | 37.95611111 |
| Longdecima: | -84.53944444 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1045 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000073026 |
| Enddate: | 03-OCT-95 | | |

| | | | |
|-------------|--------------------------|-------------|------------|
| Map ID: | 23 | Akgwa: | 63320 |
| Fid: | 37292 | Latdecimal: | 37.9561111 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.438056 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 950 |
| Type: | W | Enddate: | 03-MAY-06 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000037293 | | |

| | | | |
|-------------|-----------------------------|-------------|-------------|
| Map ID: | 25 | Akgwa: | 29376 |
| Fid: | 17684 | Latdecimal: | 37.95305556 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.38583333 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 990 |
| Type: | W | Enddate: | 01-DEC-92 |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000017685 | | |

| | | | |
|-------------|-----------------------------|-------------|--------------|
| Map ID: | 25 | Akgwa: | 50002380 |
| Fid: | 54821 | Latdecimal: | 37.950767 |
| Altid: | 383 | County: | Fayette |
| Longdecima: | -84.385392 | Physiograp: | Not Reported |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000054822 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 26 | Akgwa: | 80031624 |
| Fid: | 75345 | Latdecimal: | 37.95 |
| Altid: | MW-22 | County: | Fayette |
| Longdecima: | -84.36527778 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 950 |
| Type: | M | Site id: | KY600000075346 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 08-JAN-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 26 | Akgwa: | 80031623 |
| Fid: | 75344 | Latdecimal: | 37.95 |
| Altid: | MW-18 | County: | Fayette |
| Longdecima: | -84.36527778 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 950 |
| Type: | M | Site id: | KY600000075345 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 08-JAN-97 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 75347 | Akgwa: | 80031626 |
| Altid: | TEST WELL | Latdecimal: | 37.95 |
| Longdecima: | -84.36527778 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000075348 |
| Enddate: | 08-JAN-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 75346 | Akgwa: | 80031625 |
| Altid: | MW-23 | Latdecimal: | 37.95 |
| Longdecima: | -84.36527778 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000075347 |
| Enddate: | 08-JAN-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 66157 | Akgwa: | 80012125 |
| Altid: | Not Reported | Latdecimal: | 37.94972222 |
| Longdecima: | -84.36527778 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000066158 |
| Enddate: | 30-MAY-94 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 66156 | Akgwa: | 80012124 |
| Altid: | MW-04 | Latdecimal: | 37.94972222 |
| Longdecima: | -84.36527778 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000066157 |
| Enddate: | 30-MAY-94 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 66146 | Akgwa: | 80012114 |
| Altid: | MW-02 | Latdecimal: | 37.94972222 |
| Longdecima: | -84.36527778 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000066147 |
| Enddate: | 28-JAN-94 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 66147 | Akgwa: | 80012115 |
| Altid: | MW-03 | Latdecimal: | 37.94972222 |
| Longdecima: | -84.36527778 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000066148 |
| Enddate: | 28-JAN-94 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 66145 | Akgwa: | 80012113 |
| Altid: | MW-01 | Latdecimal: | 37.94972222 |
| Longdecima: | -84.36527778 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000066146 |
| Enddate: | 28-JAN-94 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | Akgwa: | 80028446 |
| Fid: | 73087 | Latdecimal: | 37.94944444 |
| Altid: | MW-16 | County: | Fayette |
| Longdecima: | -84.36472222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 905 |
| Type: | M | Site id: | KY6000000073088 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 25-JUL-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | Akgwa: | 80028447 |
| Fid: | 73088 | Latdecimal: | 37.94944444 |
| Altid: | MW-17 | County: | Fayette |
| Longdecima: | -84.36472222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 905 |
| Type: | M | Site id: | KY6000000073089 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 25-JUL-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | Akgwa: | 80028444 |
| Fid: | 73085 | Latdecimal: | 37.94944444 |
| Altid: | MW-14 | County: | Fayette |
| Longdecima: | -84.36472222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 905 |
| Type: | M | Site id: | KY6000000073086 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 25-JUL-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | Akgwa: | 80028445 |
| Fid: | 73086 | Latdecimal: | 37.94944444 |
| Altid: | MW-15 | County: | Fayette |
| Longdecima: | -84.36472222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 905 |
| Type: | M | Site id: | KY6000000073087 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 25-JUL-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | Akgwa: | 80031627 |
| Fid: | 75348 | Latdecimal: | 37.94944444 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.36472222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 950 |
| Type: | M | Site id: | KY6000000075349 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 29-APR-97 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 78328 | Akgwa: | 80036054 |
| Altid: | MW-02 | Latdecimal: | 37.94944444 |
| Longdecima: | -84.36472222 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000078329 |
| Enddate: | 19-FEB-99 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 78329 | Akgwa: | 80036055 |
| Altid: | MW-01 | Latdecimal: | 37.94944444 |
| Longdecima: | -84.36472222 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000078330 |
| Enddate: | 19-FEB-99 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 76281 | Akgwa: | 80032927 |
| Altid: | MW-19 | Latdecimal: | 37.94944444 |
| Longdecima: | -84.36472222 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000076282 |
| Enddate: | 28-JUN-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 76282 | Akgwa: | 80032928 |
| Altid: | MW-20 | Latdecimal: | 37.94944444 |
| Longdecima: | -84.36472222 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000076283 |
| Enddate: | 28-JUN-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 97292 | Akgwa: | 80065642 |
| Altid: | MW-02 | Latdecimal: | 37.949201 |
| Longdecima: | -84.364497 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000097293 |
| Enddate: | 11-FEB-14 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | | |
| Fid: | 97291 | Akgwa: | 80065641 |
| Altid: | MW-01 | Latdecimal: | 37.949191 |
| Longdecima: | -84.364331 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000097292 |
| Enddate: | 11-FEB-14 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 67998 | Akgwa: | 80015518 |
| Altid: | MW-06 | Latdecimal: | 37.94916667 |
| Longdecima: | -84.36388889 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 955 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000067999 |
| Enddate: | 07-OCT-94 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 26 | Akgwa: | 80065643 |
| Fid: | 97293 | Latdecimal: | 37.949128 |
| Altid: | MW-03 | County: | Fayette |
| Longdecima: | -84.364453 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 0 |
| Type: | M | Site id: | KY6000000097294 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 11-FEB-14 | | |

| | | | |
|-------------|-----------------------|-------------|-----------|
| Map ID: | 27 | Akgwa: | 69515 |
| Fid: | 40146 | Latdecimal: | 37.948567 |
| Altid: | Well 02 | County: | Jessamine |
| Longdecima: | -84.523483 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1031 |
| Type: | W | Enddate: | 01-AUG-13 |
| Usage: | Agriculture - General | | |
| Site id: | KY6000000040147 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 28 | Akgwa: | 67457 |
| Fid: | 39574 | Latdecimal: | 37.948481 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.427551 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | 14-AUG-12 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000039575 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 26 | Akgwa: | 65857 |
| Fid: | 38875 | Latdecimal: | 37.947889 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.365722 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 922 |
| Type: | W | Enddate: | 14-NOV-08 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000038876 | | |

| | | | |
|-------------|-----------------------|-------------|-----------|
| Map ID: | 27 | Akgwa: | 69519 |
| Fid: | 40149 | Latdecimal: | 37.946667 |
| Altid: | Well 02 | County: | Jessamine |
| Longdecima: | -84.522833 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1002 |
| Type: | W | Enddate: | 31-JUL-13 |
| Usage: | Agriculture - General | | |
| Site id: | KY6000000040150 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|-----------------------|-------------|-----------|
| Fid: | 40038 | Akgwa: | 69130 |
| Altid: | Not Reported | Latdecimal: | 37.944057 |
| Longdecima: | -84.365063 | County: | Fayette |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 935 |
| Usage: | Agriculture - General | Enddate: | 12-FEB-14 |
| Site id: | KY6000000040039 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 30 | Akgwa: | 80040806 |
| Fid: | 81670 | Latdecimal: | 37.93972222 |
| Altid: | MW-02 | County: | Jessamine |
| Longdecima: | -84.51222222 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000081671 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 03-JUL-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 30 | Akgwa: | 80040805 |
| Fid: | 81669 | Latdecimal: | 37.93972222 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.51222222 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000081670 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 02-JUL-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 30 | Akgwa: | 80040807 |
| Fid: | 81671 | Latdecimal: | 37.93972222 |
| Altid: | MW-03 | County: | Jessamine |
| Longdecima: | -84.51222222 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000081672 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 03-JUL-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 30 | Akgwa: | 80043328 |
| Fid: | 83530 | Latdecimal: | 37.93972222 |
| Altid: | MW-05 | County: | Jessamine |
| Longdecima: | -84.51222222 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000083531 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 26-SEP-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 30 | Akgwa: | 80040808 |
| Fid: | 81672 | Latdecimal: | 37.93972222 |
| Altid: | MW-04 | County: | Jessamine |
| Longdecima: | -84.51222222 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000081673 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 05-JUL-01 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 76836 | Akgwa: | 80033922 |
| Altid: | B-1 | Latdecimal: | 37.93888889 |
| Longdecima: | -84.405 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1027 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000076837 |
| Enddate: | 12-MAR-98 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 33 | Akgwa: | 80065701 |
| Fid: | 97339 | Latdecimal: | 37.936165 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.555836 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 990 |
| Type: | M | Enddate: | 02-OCT-12 |
| Usage: | Remediation | | |
| Site id: | KY6000000097340 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 33 | Akgwa: | 80065703 |
| Fid: | 97341 | Latdecimal: | 37.935007 |
| Altid: | MW-03 | County: | Jessamine |
| Longdecima: | -84.556317 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Enddate: | 02-OCT-12 |
| Usage: | Remediation | | |
| Site id: | KY6000000097342 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 33 | Akgwa: | 80065704 |
| Fid: | 97342 | Latdecimal: | 37.934932 |
| Altid: | MW-04 | County: | Jessamine |
| Longdecima: | -84.555927 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Enddate: | 02-OCT-12 |
| Usage: | Remediation | | |
| Site id: | KY6000000097343 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 33 | Akgwa: | 80065702 |
| Fid: | 97340 | Latdecimal: | 37.934772 |
| Altid: | MW-02 | County: | Jessamine |
| Longdecima: | -84.555501 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Enddate: | 02-OCT-12 |
| Usage: | Remediation | | |
| Site id: | KY6000000097341 | | |

| | | | |
|-------------|----------------------------------|-------------|--------------|
| Map ID: | 34 | Akgwa: | 66825 |
| Fid: | 39267 | Latdecimal: | 37.93398 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.47429 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 980 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Agriculture - Livestock Watering | | |
| Site id: | KY6000000039268 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 67814 | Akgwa: | 80015233 |
| Altid: | MW-02 | Latdecimal: | 37.93111111 |
| Longdecima: | -84.45138889 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 990 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000067815 |
| Enddate: | 13-APR-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 35 | | |
| Fid: | 67813 | Akgwa: | 80015232 |
| Altid: | MW-01 | Latdecimal: | 37.93111111 |
| Longdecima: | -84.45138889 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 990 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000067814 |
| Enddate: | 13-APR-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 35 | | |
| Fid: | 67815 | Akgwa: | 80015234 |
| Altid: | MW-03 | Latdecimal: | 37.93111111 |
| Longdecima: | -84.45138889 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 990 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000067816 |
| Enddate: | 13-APR-95 | | |

| | | | |
|-------------|-----------------------------|-------------|-----------|
| Map ID: | 36 | | |
| Fid: | 40413 | Akgwa: | 70507 |
| Altid: | Not Reported | Latdecimal: | 37.92949 |
| Longdecima: | -84.44172 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 955 |
| Usage: | Domestic - Single Household | Enddate: | 04-JAN-14 |
| Site id: | KY6000000040414 | | |

| | | | |
|-------------|-----------------|-------------|-------------|
| Map ID: | 37 | | |
| Fid: | 77731 | Akgwa: | 80035163 |
| Altid: | RW-5 | Latdecimal: | 37.92916667 |
| Longdecima: | -84.55 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Remediation | Enddate: | 22-OCT-98 |
| Site id: | KY6000000077732 | | |

| | | | |
|-------------|-----------------|-------------|-------------|
| Map ID: | 37 | | |
| Fid: | 77730 | Akgwa: | 80035162 |
| Altid: | RW-4 | Latdecimal: | 37.92916667 |
| Longdecima: | -84.55 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 927 |
| Usage: | Remediation | Enddate: | 22-OCT-98 |
| Site id: | KY6000000077731 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 77727 | Akgwa: | 80035159 |
| Altid: | RW-7 | Latdecimal: | 37.92916667 |
| Longdecima: | -84.55 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000077728 |
| Enddate: | 22-OCT-98 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 37 | | |
| Fid: | 77732 | Akgwa: | 80035164 |
| Altid: | RW-6 | Latdecimal: | 37.92916667 |
| Longdecima: | -84.55 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 927 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000077733 |
| Enddate: | 22-OCT-98 | | |

| | | | |
|-------------|-----------------|-------------|-------------|
| Map ID: | 37 | | |
| Fid: | 77729 | Akgwa: | 80035161 |
| Altid: | RW-3 | Latdecimal: | 37.92916667 |
| Longdecima: | -84.55 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Remediation | Enddate: | 22-OCT-98 |
| Site id: | KY6000000077730 | | |

| | | | |
|-------------|-----------------|-------------|-------------|
| Map ID: | 37 | | |
| Fid: | 77638 | Akgwa: | 80035071 |
| Altid: | RW-1 | Latdecimal: | 37.92916667 |
| Longdecima: | -84.55 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 934 |
| Usage: | Remediation | Enddate: | 13-APR-98 |
| Site id: | KY6000000077639 | | |

| | | | |
|-------------|-----------------|-------------|-------------|
| Map ID: | 37 | | |
| Fid: | 77728 | Akgwa: | 80035160 |
| Altid: | RW-2 | Latdecimal: | 37.92916667 |
| Longdecima: | -84.55 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 928 |
| Usage: | Remediation | Enddate: | 22-OCT-98 |
| Site id: | KY6000000077729 | | |

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 38 | | |
| Fid: | 8885 | Akgwa: | 12182 |
| Altid: | Not Reported | Latdecimal: | 37.92694444 |
| Longdecima: | -84.54305556 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 950 |
| Usage: | Agriculture - Irrigation | Enddate: | 22-JUL-88 |
| Site id: | KY6000000008886 | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|-------------|-----------------------------|-------------|-------------|
| Fid: | 8886 | Akgwa: | 12183 |
| Altid: | Not Reported | Latdecimal: | 37.92666667 |
| Longdecima: | -84.5475 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 920 |
| Usage: | Domestic - Single Household | Enddate: | 25-JUL-88 |
| Site id: | KY6000000008887 | | |

| | | | |
|-------------|-----------------------------|-------------|-------------|
| Map ID: | 38 | Akgwa: | 6091 |
| Fid: | 5551 | Latdecimal: | 37.92666667 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.54416667 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 920 |
| Type: | W | Enddate: | 25-JUL-88 |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000005552 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 39 | Akgwa: | 63370 |
| Fid: | 37338 | Latdecimal: | 37.923667 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.461806 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 900 |
| Type: | W | Enddate: | 02-OCT-08 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000037339 | | |

| | | | |
|-------------|-----------------------------|-------------|------------------|
| Map ID: | 40 | Akgwa: | 40004645 |
| Fid: | 50033 | Latdecimal: | 37.923138 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.352989 | Physiograp: | Inner Blue Grass |
| Quadname: | Ford | Surfaceele: | 890 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000050034 | | |

| | | | |
|-------------|-----------------|-------------|------------------|
| Map ID: | 40 | Akgwa: | 40003149 |
| Fid: | 48567 | Latdecimal: | 37.923133 |
| Altid: | 375523084211101 | County: | Fayette |
| Longdecima: | -84.352988 | Physiograp: | Inner Blue Grass |
| Quadname: | Ford | Surfaceele: | 890 |
| Type: | W | Enddate: | Not Reported |
| Usage: | UNKNOWN | | |
| Site id: | KY6000000048568 | | |

| | | | |
|-------------|-----------------------------|-------------|------------------|
| Map ID: | 41 | Akgwa: | 40003148 |
| Fid: | 48566 | Latdecimal: | 37.922581 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.471603 | Physiograp: | Inner Blue Grass |
| Quadname: | Coletown | Surfaceele: | 910 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000048567 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|-----------------|-------------|------------------|
| Fid: | 50198 | Akgwa: | 40004811 |
| Altid: | 375521084281801 | Latdecimal: | 37.922578 |
| Longdecima: | -84.471603 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Inner Blue Grass |
| Type: | W | Surfaceele: | 910 |
| Usage: | UNKNOWN | Enddate: | Not Reported |
| Site id: | KY6000000050199 | | |

| | | | |
|-------------|-----------------------------|-------------|-------------|
| Map ID: | 42 | Akgwa: | 12181 |
| Fid: | 8884 | Latdecimal: | 37.92138889 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.52472222 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 950 |
| Type: | W | Enddate: | 21-JUL-88 |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000008885 | | |

| | | | |
|-------------|-----------------------------|-------------|--------------|
| Map ID: | 43 | Akgwa: | 50002381 |
| Fid: | 54822 | Latdecimal: | 37.9135 |
| Altid: | 384 | County: | Jessamine |
| Longdecima: | -84.474494 | Physiograp: | Not Reported |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000054823 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 44 | Akgwa: | 69126 |
| Fid: | 40034 | Latdecimal: | 37.913306 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.501375 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 879 |
| Type: | W | Enddate: | 06-NOV-13 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000040035 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 46 | Akgwa: | 80015230 |
| Fid: | 67811 | Latdecimal: | 37.91277778 |
| Altid: | MW-04 | County: | Jessamine |
| Longdecima: | -84.56083333 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1020 |
| Type: | M | Site id: | KY6000000067812 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 21-NOV-94 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 46 | Akgwa: | 80014699 |
| Fid: | 67487 | Latdecimal: | 37.9125 |
| Altid: | MW-03 | County: | Jessamine |
| Longdecima: | -84.56138889 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1020 |
| Type: | M | Site id: | KY6000000067488 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 30-JUN-94 | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 67480 | Akgwa: | 80014692 |
| Altid: | MW-02 | Latdecimal: | 37.91166667 |
| Longdecima: | -84.56111111 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1020 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000067481 |
| Enddate: | 23-JUN-94 | | |

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 47 | Akgwa: | 53397 |
| Fid: | 31476 | Latdecimal: | 37.90966667 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.49161111 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 870 |
| Type: | W | Enddate: | 05-JUN-02 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY600000031477 | | |

| | | | |
|-------------|-----------------------------|-------------|--------------|
| Map ID: | 48 | Akgwa: | 50002382 |
| Fid: | 54823 | Latdecimal: | 37.90514 |
| Altid: | 385 | County: | Jessamine |
| Longdecima: | -84.47359 | Physiograp: | Not Reported |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY600000054824 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 49 | Akgwa: | 41762 |
| Fid: | 23238 | Latdecimal: | 37.905 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.44583333 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 1010 |
| Type: | W | Enddate: | 15-OCT-97 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY600000023239 | | |

| | | | |
|-------------|-----------------------------|-------------|-------------|
| Map ID: | 50 | Akgwa: | 13943 |
| Fid: | 9995 | Latdecimal: | 37.90444444 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.34833333 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 800 |
| Type: | W | Enddate: | 20-JAN-89 |
| Usage: | Domestic - Single Household | | |
| Site id: | KY600000009996 | | |

| | | | |
|-------------|-----------------------------|-------------|--------------|
| Map ID: | 48 | Akgwa: | 50002383 |
| Fid: | 54824 | Latdecimal: | 37.90404 |
| Altid: | 386 | County: | Jessamine |
| Longdecima: | -84.474285 | Physiograp: | Not Reported |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY600000054825 | | |

Map ID: 52

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|-----------------------------|-------------|--------------|
| Fid: | 54827 | Akgwa: | 50002386 |
| Altid: | 389 | Latdecimal: | 37.90184 |
| Longdecima: | -84.425529 | County: | Fayette |
| Quadname: | Coletown | Physiograp: | Not Reported |
| Type: | W | Surfaceele: | 0 |
| Usage: | Domestic - Single Household | Enddate: | Not Reported |
| Site id: | KY6000000054828 | | |

| | | | |
|-------------|-----------------|-------------|------------------|
| Map ID: | 52 | Akgwa: | 50000479 |
| Fid: | 53862 | Latdecimal: | 37.901749 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.425491 | Physiograp: | Inner Blue Grass |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Not Reported | | |
| Site id: | KY6000000053863 | | |

| | | | |
|-------------|-----------------|-------------|------------------|
| Map ID: | 52 | Akgwa: | 50000478 |
| Fid: | 53861 | Latdecimal: | 37.901192 |
| Altid: | LVAS8826 | County: | Fayette |
| Longdecima: | -84.427719 | Physiograp: | Inner Blue Grass |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | UNKNOWN | | |
| Site id: | KY6000000053862 | | |

| | | | |
|-------------|-----------------------------|-------------|--------------|
| Map ID: | 52 | Akgwa: | 50002385 |
| Fid: | 54826 | Latdecimal: | 37.90096 |
| Altid: | 388 | County: | Fayette |
| Longdecima: | -84.427892 | Physiograp: | Not Reported |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000054827 | | |

| | | | |
|-------------|-----------------|-------------|-------------|
| Map ID: | 54 | Akgwa: | 21352 |
| Fid: | 15083 | Latdecimal: | 37.89916667 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.56305556 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1012 |
| Type: | W | Enddate: | 01-JAN-00 |
| Usage: | Not Reported | | |
| Site id: | KY6000000015084 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 54 | Akgwa: | 80029184 |
| Fid: | 73616 | Latdecimal: | 37.89777778 |
| Altid: | G-2 | County: | Jessamine |
| Longdecima: | -84.56611111 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1035 |
| Type: | M | Site id: | KY6000000073617 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-JAN-00 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 73617 | Akgwa: | 80029185 |
| Altid: | G-3 | Latdecimal: | 37.89777778 |
| Longdecima: | -84.56611111 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1035 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000073618 |
| Enddate: | 01-JAN-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 54 | Akgwa: | 80029183 |
| Fid: | 73615 | Latdecimal: | 37.89777778 |
| Altid: | G-1 | County: | Jessamine |
| Longdecima: | -84.56611111 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1035 |
| Type: | M | Site id: | KY600000073616 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-JAN-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 54 | Akgwa: | 80007466 |
| Fid: | 63589 | Latdecimal: | 37.8975 |
| Altid: | G-8; 0002-7832 | County: | Jessamine |
| Longdecima: | -84.56611111 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1030 |
| Type: | M | Site id: | KY600000063590 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 09-JAN-92 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 54 | Akgwa: | 80007468 |
| Fid: | 63591 | Latdecimal: | 37.8975 |
| Altid: | G-4; 0002-7831 | County: | Jessamine |
| Longdecima: | -84.56611111 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1030 |
| Type: | M | Site id: | KY600000063592 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 09-JAN-92 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 54 | Akgwa: | 80007467 |
| Fid: | 63590 | Latdecimal: | 37.8975 |
| Altid: | G-5; 0002-7833 | County: | Jessamine |
| Longdecima: | -84.56611111 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1030 |
| Type: | M | Site id: | KY600000063591 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 13-JAN-92 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 54 | Akgwa: | 80004997 |
| Fid: | 61715 | Latdecimal: | 37.8975 |
| Altid: | MW-02 | County: | Jessamine |
| Longdecima: | -84.56583333 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1030 |
| Type: | M | Site id: | KY600000061716 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 08-APR-93 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 63932 | Akgwa: | 80007937 |
| Altid: | MW-03 | Latdecimal: | 37.8975 |
| Longdecima: | -84.56583333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1030 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000063933 |
| Enddate: | 08-APR-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 54 | Akgwa: | 80007938 |
| Fid: | 63933 | Latdecimal: | 37.8975 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.56583333 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1030 |
| Type: | M | Site id: | KY600000063934 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 07-APR-93 | | |

| | | | |
|-------------|-----------------|-------------|------------------|
| Map ID: | 55 | Akgwa: | 50000480 |
| Fid: | 53863 | Latdecimal: | 37.895359 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.430771 | Physiograp: | Inner Blue Grass |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Not Reported | | |
| Site id: | KY6000000053864 | | |

| | | | |
|-------------|-----------------------------|-------------|--------------|
| Map ID: | 55 | Akgwa: | 50002387 |
| Fid: | 54828 | Latdecimal: | 37.89502 |
| Altid: | 390 | County: | Fayette |
| Longdecima: | -84.430742 | Physiograp: | Not Reported |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000054829 | | |

| | | | |
|-------------|-----------------------------|-------------|--------------|
| Map ID: | 56 | Akgwa: | 50002384 |
| Fid: | 54825 | Latdecimal: | 37.8937 |
| Altid: | 387 | County: | Jessamine |
| Longdecima: | -84.487838 | Physiograp: | Not Reported |
| Quadname: | Coletown | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000054826 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 57 | Akgwa: | 80003651 |
| Fid: | 60859 | Latdecimal: | 37.8925 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.56833333 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1030 |
| Type: | M | Site id: | KY600000060860 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 21-MAY-92 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 60860 | Akgwa: | 80003652 |
| Altid: | MW-02 | Latdecimal: | 37.8925 |
| Longdecima: | -84.56833333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1030 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000060861 |
| Enddate: | 21-MAY-92 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | Akgwa: | 80052395 |
| Fid: | 89916 | Latdecimal: | 37.891969 |
| Altid: | SB-07 | County: | Jessamine |
| Longdecima: | -84.568679 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1000 |
| Type: | M | Site id: | KY6000000089917 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 16-MAY-07 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | Akgwa: | 80052394 |
| Fid: | 89915 | Latdecimal: | 37.891969 |
| Altid: | SB-05 | County: | Jessamine |
| Longdecima: | -84.568231 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 1000 |
| Type: | M | Site id: | KY6000000089916 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 16-MAY-07 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | Akgwa: | 80014845 |
| Fid: | 67552 | Latdecimal: | 37.89083333 |
| Altid: | MWC-1 | County: | Jessamine |
| Longdecima: | -84.5725 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 965 |
| Type: | M | Site id: | KY6000000067553 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 10-MAR-92 | | |

| | | | |
|-------------|-----------------------------------|-------------|-------------|
| Map ID: | 58 | Akgwa: | 40034 |
| Fid: | 22448 | Latdecimal: | 37.89083333 |
| Altid: | Not Reported | County: | Madison |
| Longdecima: | -84.33666667 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 572 |
| Type: | W | Enddate: | 01-JAN-90 |
| Usage: | Public - Transient, Non-community | | |
| Site id: | KY6000000022449 | | |

| | | | |
|-------------|--------------------------|-------------|------------|
| Map ID: | 58 | Akgwa: | 53383 |
| Fid: | 31463 | Latdecimal: | 37.8908333 |
| Altid: | WELL | County: | Fayette |
| Longdecima: | -84.340278 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 570 |
| Type: | W | Enddate: | 31-MAY-07 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000031464 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 89913 | Akgwa: | 80052392 |
| Altid: | SB-06 | Latdecimal: | 37.8905 |
| Longdecima: | -84.5691 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1000 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000089914 |
| Enddate: | 16-MAY-07 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | | |
| Fid: | 89912 | Akgwa: | 80052391 |
| Altid: | SB-03 | Latdecimal: | 37.8905 |
| Longdecima: | -84.5691 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1000 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000089913 |
| Enddate: | 16-MAY-07 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | | |
| Fid: | 89917 | Akgwa: | 80052396 |
| Altid: | SB-08 | Latdecimal: | 37.8905 |
| Longdecima: | -84.5691 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1000 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000089918 |
| Enddate: | 16-MAY-07 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | | |
| Fid: | 89914 | Akgwa: | 80052393 |
| Altid: | SB-10 | Latdecimal: | 37.8905 |
| Longdecima: | -84.5691 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1000 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000089915 |
| Enddate: | 16-MAY-07 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | | |
| Fid: | 69066 | Akgwa: | 80017794 |
| Altid: | MW-02 | Latdecimal: | 37.89 |
| Longdecima: | -84.56833333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1005 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000069067 |
| Enddate: | 01-JAN-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | | |
| Fid: | 69071 | Akgwa: | 80017799 |
| Altid: | MW-01 | Latdecimal: | 37.89 |
| Longdecima: | -84.56833333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1005 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000069072 |
| Enddate: | 01-JAN-00 | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 69049 | Akgwa: | 80017776 |
| Altid: | MW-03 | Latdecimal: | 37.89 |
| Longdecima: | -84.56833333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 1005 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000069050 |
| Enddate: | 19-APR-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | Akgwa: | 80045069 |
| Fid: | 84738 | Latdecimal: | 37.88972222 |
| Altid: | MW-03 | County: | Jessamine |
| Longdecima: | -84.56944444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 990 |
| Type: | M | Site id: | KY6000000084739 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 03-JAN-03 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | Akgwa: | 80045065 |
| Fid: | 84734 | Latdecimal: | 37.88972222 |
| Altid: | MW-02 | County: | Jessamine |
| Longdecima: | -84.56944444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 990 |
| Type: | M | Site id: | KY6000000084735 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 03-JAN-03 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | Akgwa: | 80042163 |
| Fid: | 82678 | Latdecimal: | 37.88972222 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.56944444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 990 |
| Type: | M | Site id: | KY6000000082679 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 02-MAR-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | Akgwa: | 80047632 |
| Fid: | 86625 | Latdecimal: | 37.88972222 |
| Altid: | MW-05 | County: | Jessamine |
| Longdecima: | -84.56944444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 990 |
| Type: | M | Site id: | KY6000000086626 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 13-MAY-03 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 57 | Akgwa: | 80047631 |
| Fid: | 86624 | Latdecimal: | 37.88972222 |
| Altid: | MW-06 | County: | Jessamine |
| Longdecima: | -84.56944444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 990 |
| Type: | M | Site id: | KY6000000086625 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 13-MAY-03 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 84766 | Akgwa: | 80045097 |
| Altid: | MW-04 | Latdecimal: | 37.88972222 |
| Longdecima: | -84.56944444 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 990 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000084767 |
| Enddate: | 03-JAN-03 | | |

| | | | |
|-------------|----------------------------------|-------------|-------------|
| Map ID: | 60 | Akgwa: | 1805 |
| Fid: | 1786 | Latdecimal: | 37.88888889 |
| Altid: | Not Reported | County: | Madison |
| Longdecima: | -84.35833333 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 890 |
| Type: | W | Enddate: | 24-JUL-86 |
| Usage: | Agriculture - Livestock Watering | | |
| Site id: | KY6000000001787 | | |

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 60 | Akgwa: | 1802 |
| Fid: | 1783 | Latdecimal: | 37.88805556 |
| Altid: | WELL 01 | County: | Madison |
| Longdecima: | -84.35972222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 890 |
| Type: | W | Enddate: | 07-JUL-86 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000001784 | | |

| | | | |
|-------------|-----------------|-------------|------------------|
| Map ID: | 63 | Akgwa: | 50000705 |
| Fid: | 54050 | Latdecimal: | 37.885914 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.562439 | Physiograp: | Inner Blue Grass |
| Quadname: | Nicholasville | Surfaceele: | 1020 |
| Type: | W | Enddate: | Not Reported |
| Usage: | PUBLIC | | |
| Site id: | KY6000000054051 | | |

| | | | |
|-------------|-----------------------------|-------------|------------------|
| Map ID: | 64 | Akgwa: | 50000706 |
| Fid: | 54051 | Latdecimal: | 37.885635 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.567719 | Physiograp: | Inner Blue Grass |
| Quadname: | Nicholasville | Surfaceele: | 260 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000054052 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------------|
| Map ID: | 65 | Akgwa: | 80005807 |
| Fid: | 62223 | Latdecimal: | 37.88562001 |
| Altid: | GD-205 | County: | Jefferson |
| Longdecima: | -84.4657686 | Physiograp: | Mississippian Plateau |
| Quadname: | Louisville East | Surfaceele: | 0 |
| Type: | M | Site id: | KY6000000062224 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-JAN-00 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|-----------------|-------------|------------------|
| Fid: | 46499 | Akgwa: | 40001049 |
| Altid: | 375306084340301 | Latdecimal: | 37.885078 |
| Longdecima: | -84.567436 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Inner Blue Grass |
| Type: | W | Surfaceele: | 965 |
| Usage: | PUBLIC | Enddate: | Not Reported |
| Site id: | KY6000000046500 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 64 | Akgwa: | 80062724 |
| Fid: | 96328 | Latdecimal: | 37.884769 |
| Altid: | MW-10 | County: | Jessamine |
| Longdecima: | -84.570873 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Enddate: | 08-NOV-11 |
| Usage: | Remediation | | |
| Site id: | KY6000000096329 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80062785 |
| Fid: | 96385 | Latdecimal: | 37.884765 |
| Altid: | MW-11 | County: | Jessamine |
| Longdecima: | -84.570891 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 955 |
| Type: | M | | |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000096386 |
| Enddate: | 06-DEC-12 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80055487 |
| Fid: | 91804 | Latdecimal: | 37.88476 |
| Altid: | MW-07 | County: | Jessamine |
| Longdecima: | -84.570875 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | | |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000091805 |
| Enddate: | 07-APR-09 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 64 | Akgwa: | 80062723 |
| Fid: | 96327 | Latdecimal: | 37.884748 |
| Altid: | MW-09 | County: | Jessamine |
| Longdecima: | -84.571001 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Enddate: | 08-NOV-11 |
| Usage: | Remediation | | |
| Site id: | KY6000000096328 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80055485 |
| Fid: | 91802 | Latdecimal: | 37.884726 |
| Altid: | MW-05 | County: | Jessamine |
| Longdecima: | -84.571077 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | | |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000091803 |
| Enddate: | 07-APR-09 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 81569 | Akgwa: | 80040662 |
| Altid: | MW-03 | Latdecimal: | 37.88472222 |
| Longdecima: | -84.57083333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 940 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000081570 |
| Enddate: | 15-AUG-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 64 | | |
| Fid: | 81566 | Akgwa: | 80040659 |
| Altid: | MW-01 | Latdecimal: | 37.88472222 |
| Longdecima: | -84.57083333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 940 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000081567 |
| Enddate: | 15-AUG-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 64 | | |
| Fid: | 81567 | Akgwa: | 80040660 |
| Altid: | MW-02 | Latdecimal: | 37.88472222 |
| Longdecima: | -84.57083333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 940 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000081568 |
| Enddate: | 15-AUG-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 64 | | |
| Fid: | 81568 | Akgwa: | 80040661 |
| Altid: | MW-04 | Latdecimal: | 37.88472222 |
| Longdecima: | -84.57083333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 940 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000081569 |
| Enddate: | 15-AUG-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 64 | | |
| Fid: | 91805 | Akgwa: | 80055488 |
| Altid: | MW-08 | Latdecimal: | 37.884721 |
| Longdecima: | -84.570825 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 960 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000091806 |
| Enddate: | 07-APR-09 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 64 | | |
| Fid: | 91803 | Akgwa: | 80055486 |
| Altid: | MW-06 | Latdecimal: | 37.884706 |
| Longdecima: | -84.570968 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 960 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000091804 |
| Enddate: | 07-APR-09 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 63594 | Akgwa: | 80007471 |
| Altid: | MW-01; 0002-7126 | Latdecimal: | 37.88444444 |
| Longdecima: | -84.57722222 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 950 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000063595 |
| Enddate: | 30-SEP-91 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80049690 |
| Fid: | 88266 | Latdecimal: | 37.88416667 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.57166667 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 940 |
| Type: | M | Site id: | KY6000000088267 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 13-JUN-06 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 64 | Akgwa: | 80062966 |
| Fid: | 96469 | Latdecimal: | 37.883214 |
| Altid: | MW-03 | County: | Jessamine |
| Longdecima: | -84.571655 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 965 |
| Type: | M | Enddate: | 28-SEP-11 |
| Usage: | Remediation | | |
| Site id: | KY6000000096470 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 64 | Akgwa: | 80062965 |
| Fid: | 96468 | Latdecimal: | 37.883138 |
| Altid: | MW-02 | County: | Jessamine |
| Longdecima: | -84.571706 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 965 |
| Type: | M | Enddate: | 28-SEP-11 |
| Usage: | Remediation | | |
| Site id: | KY6000000096469 | | |

| | | | |
|-------------|-----------------|-------------|-----------|
| Map ID: | 64 | Akgwa: | 80062964 |
| Fid: | 96467 | Latdecimal: | 37.883073 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.57167 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 965 |
| Type: | M | Enddate: | 28-SEP-11 |
| Usage: | Remediation | | |
| Site id: | KY6000000096468 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80009301 |
| Fid: | 64773 | Latdecimal: | 37.88305556 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.575 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000064774 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 15-JUL-93 | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 64774 | Akgwa: | 80009302 |
| Altid: | MW-02 | Latdecimal: | 37.88305556 |
| Longdecima: | -84.575 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 960 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000064775 |
| Enddate: | 15-JUL-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80009303 |
| Fid: | 64775 | Latdecimal: | 37.88305556 |
| Altid: | MW-03 | County: | Jessamine |
| Longdecima: | -84.575 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000064776 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 15-JUL-93 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80007472 |
| Fid: | 63595 | Latdecimal: | 37.88222222 |
| Altid: | MW-7; 0001-0189 | County: | Jessamine |
| Longdecima: | -84.57194444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 970 |
| Type: | M | Site id: | KY6000000063596 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 12-DEC-91 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80017940 |
| Fid: | 69209 | Latdecimal: | 37.88222222 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.57194444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 930 |
| Type: | M | Site id: | KY6000000069210 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 30-DEC-91 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80007473 |
| Fid: | 63596 | Latdecimal: | 37.88222222 |
| Altid: | MW-2; 0001-0190 | County: | Jessamine |
| Longdecima: | -84.57194444 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 970 |
| Type: | M | Site id: | KY6000000063597 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 12-DEC-91 | | |

| | | | |
|-------------|---|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80041861 |
| Fid: | 82444 | Latdecimal: | 37.882176 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.572104 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 0 |
| Type: | M | Site id: | KY6000000082445 |
| Usage: | Monitoring Well - Water Level Monitoring Only | | |
| Enddate: | 01-JUL-03 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 89932 | Akgwa: | 80052425 |
| Altid: | MW-05 | Latdecimal: | 37.882103 |
| Longdecima: | -84.57195 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000089933 |
| Enddate: | 23-SEP-13 | | |

| | | | |
|-------------|---|-------------|-----------------|
| Map ID: | 64 | | |
| Fid: | 82445 | Akgwa: | 80041862 |
| Altid: | MW-02 | Latdecimal: | 37.88206 |
| Longdecima: | -84.572138 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Water Level Monitoring Only | Site id: | KY6000000082446 |
| Enddate: | 01-JUL-03 | | |

| | | | |
|-------------|---|-------------|-----------------|
| Map ID: | 64 | | |
| Fid: | 82446 | Akgwa: | 80041863 |
| Altid: | MW-03 | Latdecimal: | 37.881983 |
| Longdecima: | -84.572242 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 930 |
| Usage: | Monitoring Well - Water Level Monitoring Only | Site id: | KY6000000082447 |
| Enddate: | 01-JUL-03 | | |

| | | | |
|-------------|---|-------------|-----------------|
| Map ID: | 64 | | |
| Fid: | 89931 | Akgwa: | 80052424 |
| Altid: | MW-04 | Latdecimal: | 37.881965 |
| Longdecima: | -84.571988 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Water Level Monitoring Only | Site id: | KY6000000089932 |
| Enddate: | 28-JUN-05 | | |

| | | | |
|-------------|-----------------|-------------|-------------|
| Map ID: | 66 | | |
| Fid: | 15195 | Akgwa: | 21470 |
| Altid: | Not Reported | Latdecimal: | 37.88194444 |
| Longdecima: | -84.58111111 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 960 |
| Usage: | Not Reported | Enddate: | 02-JUN-93 |
| Site id: | KY6000000015196 | | |

| | | | |
|-------------|--------------------------|-------------|-------------|
| Map ID: | 67 | | |
| Fid: | 31490 | Akgwa: | 53416 |
| Altid: | Not Reported | Latdecimal: | 37.88144444 |
| Longdecima: | -84.48916667 | County: | Jessamine |
| Quadname: | Coletown | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 890 |
| Usage: | Agriculture - Irrigation | Enddate: | 10-SEP-03 |
| Site id: | KY6000000031491 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|-----------------------------|-------------|-------------|
| Fid: | 5529 | Akgwa: | 6067 |
| Altid: | Not Reported | Latdecimal: | 37.88083333 |
| Longdecima: | -84.33861111 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 870 |
| Usage: | Domestic - Single Household | Enddate: | 17-MAY-88 |
| Site id: | KY6000000005530 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80036043 |
| Fid: | 78317 | Latdecimal: | 37.88055556 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.5725 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 930 |
| Type: | M | Site id: | KY6000000078318 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 09-JAN-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80036044 |
| Fid: | 78318 | Latdecimal: | 37.88055556 |
| Altid: | MW-03 | County: | Jessamine |
| Longdecima: | -84.5725 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 930 |
| Type: | M | Site id: | KY6000000078319 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 10-JAN-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | Akgwa: | 80036042 |
| Fid: | 78316 | Latdecimal: | 37.88055556 |
| Altid: | MW-02 | County: | Jessamine |
| Longdecima: | -84.5725 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 930 |
| Type: | M | Site id: | KY6000000078317 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 10-JAN-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 69 | Akgwa: | 80042997 |
| Fid: | 83248 | Latdecimal: | 37.87972222 |
| Altid: | MW-03 | County: | Jessamine |
| Longdecima: | -84.56583333 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000083249 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 21-AUG-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 69 | Akgwa: | 80042998 |
| Fid: | 83249 | Latdecimal: | 37.87972222 |
| Altid: | MW-04 | County: | Jessamine |
| Longdecima: | -84.56583333 | Physiograp: | Bluegrass |
| Quadname: | Nicholasville | Surfaceele: | 960 |
| Type: | M | Site id: | KY6000000083250 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 21-AUG-01 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 83246 | Akgwa: | 80042995 |
| Altid: | MW-01 | Latdecimal: | 37.87972222 |
| Longdecima: | -84.56583333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 960 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000083247 |
| Enddate: | 21-AUG-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 69 | | |
| Fid: | 83247 | Akgwa: | 80042996 |
| Altid: | MW-02 | Latdecimal: | 37.87972222 |
| Longdecima: | -84.56583333 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 960 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000083248 |
| Enddate: | 21-AUG-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | | |
| Fid: | 86178 | Akgwa: | 80047102 |
| Altid: | MW-02 | Latdecimal: | 37.879167 |
| Longdecima: | -84.573611 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 940 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000086179 |
| Enddate: | 11-FEB-04 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | | |
| Fid: | 86177 | Akgwa: | 80047101 |
| Altid: | MW-01 | Latdecimal: | 37.879167 |
| Longdecima: | -84.573611 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 940 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000086178 |
| Enddate: | 11-FEB-04 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | | |
| Fid: | 86180 | Akgwa: | 80047104 |
| Altid: | MW-04 | Latdecimal: | 37.879167 |
| Longdecima: | -84.573611 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 940 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000086181 |
| Enddate: | 13-FEB-04 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 64 | | |
| Fid: | 86179 | Akgwa: | 80047103 |
| Altid: | MW-03 | Latdecimal: | 37.879167 |
| Longdecima: | -84.573611 | County: | Jessamine |
| Quadname: | Nicholasville | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 940 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000086180 |
| Enddate: | 12-FEB-04 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 73482 | Akgwa: | 80028966 |
| Altid: | MW-G | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33194444 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000073483 |
| Enddate: | 10-OCT-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80040044 |
| Fid: | 81153 | Latdecimal: | 37.87888889 |
| Altid: | MW-AA | County: | Madison |
| Longdecima: | -84.33194444 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000081154 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 21-FEB-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80040041 |
| Fid: | 81150 | Latdecimal: | 37.87888889 |
| Altid: | MW-X | County: | Madison |
| Longdecima: | -84.33194444 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000081151 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 21-FEB-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80029106 |
| Fid: | 73540 | Latdecimal: | 37.87888889 |
| Altid: | MW-D | County: | Madison |
| Longdecima: | -84.33194444 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000073541 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 19-OCT-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80028970 |
| Fid: | 73486 | Latdecimal: | 37.87888889 |
| Altid: | MW-C | County: | Madison |
| Longdecima: | -84.33194444 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000073487 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 19-OCT-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80028969 |
| Fid: | 73485 | Latdecimal: | 37.87888889 |
| Altid: | MW-E | County: | Madison |
| Longdecima: | -84.33194444 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000073486 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 18-OCT-95 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 73478 | Akgwa: | 80028962 |
| Altid: | MW-B | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33194444 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000073479 |
| Enddate: | 19-OCT-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 70 | | |
| Fid: | 73479 | Akgwa: | 80028963 |
| Altid: | MW-A | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33194444 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000073480 |
| Enddate: | 18-OCT-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 70 | | |
| Fid: | 73481 | Akgwa: | 80028965 |
| Altid: | MW-F | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33194444 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000073482 |
| Enddate: | 18-OCT-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 70 | | |
| Fid: | 81151 | Akgwa: | 80040042 |
| Altid: | MW-Y | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33194444 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000081152 |
| Enddate: | 21-FEB-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 70 | | |
| Fid: | 81152 | Akgwa: | 80040043 |
| Altid: | MW-02 | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33194444 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000081153 |
| Enddate: | 21-FEB-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 70 | | |
| Fid: | 73477 | Akgwa: | 80028961 |
| Altid: | MW-H | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33194444 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000073478 |
| Enddate: | 26-OCT-95 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 73452 | Akgwa: | 80028936 |
| Altid: | MW-K | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33111111 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 900 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000073453 |
| Enddate: | 11-APR-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | | |
| Fid: | 73455 | Akgwa: | 80028939 |
| Altid: | MW-L | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33111111 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 900 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000073456 |
| Enddate: | 11-APR-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | | |
| Fid: | 73453 | Akgwa: | 80028937 |
| Altid: | MW-I | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33111111 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 900 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000073454 |
| Enddate: | 12-APR-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | | |
| Fid: | 73454 | Akgwa: | 80028938 |
| Altid: | MW-M | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33111111 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 900 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000073455 |
| Enddate: | 12-APR-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | | |
| Fid: | 73456 | Akgwa: | 80028940 |
| Altid: | MW-J | Latdecimal: | 37.87888889 |
| Longdecima: | -84.33111111 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 900 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000073457 |
| Enddate: | 11-APR-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | | |
| Fid: | 77427 | Akgwa: | 80034730 |
| Altid: | MW-M(A) | Latdecimal: | 37.878877 |
| Longdecima: | -84.331041 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 880 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000077428 |
| Enddate: | 24-MAR-98 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 77426 | Akgwa: | 80034729 |
| Altid: | MW-L(A) | Latdecimal: | 37.878668 |
| Longdecima: | -84.331105 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 900 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000077427 |
| Enddate: | 24-MAR-98 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80030349 |
| Fid: | 74464 | Latdecimal: | 37.87861111 |
| Altid: | MW-Q | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000074465 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 18-OCT-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80034137 |
| Fid: | 77013 | Latdecimal: | 37.87861111 |
| Altid: | MW-W | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000077014 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 06-DEC-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80032874 |
| Fid: | 76231 | Latdecimal: | 37.87861111 |
| Altid: | MW-S | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 915 |
| Type: | M | Site id: | KY6000000076232 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 15-APR-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80030350 |
| Fid: | 74465 | Latdecimal: | 37.87861111 |
| Altid: | MW-R | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000074466 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-OCT-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80030254 |
| Fid: | 74370 | Latdecimal: | 37.87861111 |
| Altid: | MW-03 | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 915 |
| Type: | M | Site id: | KY6000000074371 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 27-SEP-85 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 74463 | Akgwa: | 80030348 |
| Altid: | MW-P | Latdecimal: | 37.87861111 |
| Longdecima: | -84.33222222 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000074464 |
| Enddate: | 18-OCT-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80030346 |
| Fid: | 74461 | Latdecimal: | 37.87861111 |
| Altid: | MW-N | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000074462 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-OCT-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80034136 |
| Fid: | 77012 | Latdecimal: | 37.87861111 |
| Altid: | MW-V | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000077013 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 19-NOV-12 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80034136 |
| Fid: | 77011 | Latdecimal: | 37.87861111 |
| Altid: | MW-V | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000077012 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 06-DEC-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80032878 |
| Fid: | 76235 | Latdecimal: | 37.87861111 |
| Altid: | MW-T | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 915 |
| Type: | M | Site id: | KY6000000076236 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 11-APR-97 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80034135 |
| Fid: | 77010 | Latdecimal: | 37.87861111 |
| Altid: | MW-U | County: | Madison |
| Longdecima: | -84.33222222 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000077011 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 05-DEC-97 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 74462 | Akgwa: | 80030347 |
| Altid: | MW-O | Latdecimal: | 37.87861111 |
| Longdecima: | -84.33222222 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000074463 |
| Enddate: | 18-OCT-96 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 70 | Akgwa: | 80044850 |
| Fid: | 84549 | Latdecimal: | 37.878321 |
| Altid: | MW-04 [30-45] | County: | Madison |
| Longdecima: | -84.332058 | Physiograp: | Not Reported |
| Quadname: | Ford | Surfaceele: | 0 |
| Type: | M | Site id: | KY600000084550 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 01-JUL-09 | | |

| | | | |
|-------------|------------------------------|-------------|-----------|
| Map ID: | 70 | Akgwa: | 80044849 |
| Fid: | 84548 | Latdecimal: | 37.878321 |
| Altid: | MW-04 [15-30] | County: | Madison |
| Longdecima: | -84.332058 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 0 |
| Type: | M | Enddate: | 01-JUL-09 |
| Usage: | Monitoring Well - Compliance | | |
| Site id: | KY600000084549 | | |

| | | | |
|-------------|------------------------------|-------------|-----------|
| Map ID: | 70 | Akgwa: | 80044848 |
| Fid: | 84547 | Latdecimal: | 37.878321 |
| Altid: | MW-04 [5-15] | County: | Madison |
| Longdecima: | -84.332058 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 0 |
| Type: | M | Enddate: | 01-JUL-09 |
| Usage: | Monitoring Well - Compliance | | |
| Site id: | KY600000084548 | | |

| | | | |
|-------------|-----------------------------|-------------|------------------|
| Map ID: | 71 | Akgwa: | 30003219 |
| Fid: | 41929 | Latdecimal: | 37.877682 |
| Altid: | Not Reported | County: | Madison |
| Longdecima: | -84.341728 | Physiograp: | Inner Blue Grass |
| Quadname: | Ford | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY600000041930 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 70 | Akgwa: | 80016234 |
| Fid: | 68326 | Latdecimal: | 37.87638889 |
| Altid: | TS-31 | County: | Madison |
| Longdecima: | -84.33166667 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 900 |
| Type: | M | Site id: | KY600000068327 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 22-JUN-95 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 68630 | Akgwa: | 80017075 |
| Altid: | TS-32 | Latdecimal: | 37.87638889 |
| Longdecima: | -84.33166667 | County: | Madison |
| Quadname: | Ford | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 900 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000068631 |
| Enddate: | 22-JUN-95 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 70 | Akgwa: | 80015239 |
| Fid: | 67820 | Latdecimal: | 37.87638889 |
| Altid: | TS-30 | County: | Madison |
| Longdecima: | -84.33166667 | Physiograp: | Bluegrass |
| Quadname: | Ford | Surfaceele: | 900 |
| Type: | M | Site id: | KY6000000067821 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 22-JUN-95 | | |

| | | | |
|-------------|-------------------------|-------------|-----------|
| Map ID: | 72 | Akgwa: | 63344 |
| Fid: | 37314 | Latdecimal: | 37.875556 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.439028 | Physiograp: | Bluegrass |
| Quadname: | Coletown | Surfaceele: | 975 |
| Type: | W | Enddate: | 14-JUL-07 |
| Usage: | Commercial - Irrigation | | |
| Site id: | KY6000000037315 | | |

| | | | |
|-------------|-----------------------------|-------------|--------------|
| Map ID: | 73 | Akgwa: | 66922 |
| Fid: | 39337 | Latdecimal: | 37.87468 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.58047 | Physiograp: | Not Reported |
| Quadname: | Little Hickman | Surfaceele: | 959 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000039338 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 75 | Akgwa: | 67465 |
| Fid: | 39582 | Latdecimal: | 37.874055 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.503864 | Physiograp: | Bluegrass |
| Quadname: | Little Hickman | Surfaceele: | 0 |
| Type: | W | Enddate: | 07-SEP-12 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000039583 | | |

| | | | |
|-------------|-----------------------------|-------------|------------------|
| Map ID: | 76 | Akgwa: | 40000279 |
| Fid: | 45742 | Latdecimal: | 37.87397 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.491608 | Physiograp: | Inner Blue Grass |
| Quadname: | Valley View | Surfaceele: | 0 |
| Type: | W | Enddate: | Not Reported |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000045743 | | |

Map ID: 75

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|-----------------------------|-------------|-----------|
| Fid: | 39595 | Akgwa: | 67478 |
| Altid: | Not Reported | Latdecimal: | 37.873805 |
| Longdecima: | -84.503194 | County: | Jessamine |
| Quadname: | Little Hickman | Physiograp: | Bluegrass |
| Type: | W | Surfaceele: | 825 |
| Usage: | Domestic - Single Household | Enddate: | 26-JUL-12 |
| Site id: | KY6000000039596 | | |

| | | | |
|-------------|--------------------------|-------------|-----------|
| Map ID: | 75 | Akgwa: | 67484 |
| Fid: | 39601 | Latdecimal: | 37.873282 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.501725 | Physiograp: | Bluegrass |
| Quadname: | Little Hickman | Surfaceele: | 0 |
| Type: | W | Enddate: | 02-OCT-12 |
| Usage: | Agriculture - Irrigation | | |
| Site id: | KY6000000039602 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 78 | Akgwa: | 80051056 |
| Fid: | 89093 | Latdecimal: | 37.8725 |
| Altid: | MW-04 | County: | Fayette |
| Longdecima: | -84.437778 | Physiograp: | Bluegrass |
| Quadname: | Valley View | Surfaceele: | 980 |
| Type: | M | Site id: | KY6000000089094 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-AUG-04 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 78 | Akgwa: | 80051058 |
| Fid: | 89095 | Latdecimal: | 37.8725 |
| Altid: | MW-06 | County: | Fayette |
| Longdecima: | -84.437778 | Physiograp: | Bluegrass |
| Quadname: | Valley View | Surfaceele: | 980 |
| Type: | M | Site id: | KY6000000089096 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-AUG-04 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 78 | Akgwa: | 80051057 |
| Fid: | 89094 | Latdecimal: | 37.8725 |
| Altid: | MW-05 | County: | Fayette |
| Longdecima: | -84.437778 | Physiograp: | Bluegrass |
| Quadname: | Valley View | Surfaceele: | 980 |
| Type: | M | Site id: | KY6000000089095 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-AUG-04 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 78 | Akgwa: | 80051059 |
| Fid: | 89096 | Latdecimal: | 37.8725 |
| Altid: | MW-07 | County: | Fayette |
| Longdecima: | -84.437778 | Physiograp: | Bluegrass |
| Quadname: | Valley View | Surfaceele: | 980 |
| Type: | M | Site id: | KY6000000089097 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 17-AUG-04 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Fid: | 81447 | Akgwa: | 80040430 |
| Altid: | MW-03 | Latdecimal: | 37.8725 |
| Longdecima: | -84.43777778 | County: | Fayette |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 980 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000081448 |
| Enddate: | 18-AUG-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 78 | | |
| Fid: | 81445 | Akgwa: | 80040428 |
| Altid: | MW-01 | Latdecimal: | 37.8725 |
| Longdecima: | -84.43777778 | County: | Fayette |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 980 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000081446 |
| Enddate: | 18-AUG-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 78 | | |
| Fid: | 81446 | Akgwa: | 80040429 |
| Altid: | MW-02 | Latdecimal: | 37.8725 |
| Longdecima: | -84.43777778 | County: | Fayette |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 980 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000081447 |
| Enddate: | 18-AUG-00 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 78 | | |
| Fid: | 98271 | Akgwa: | 80068765 |
| Altid: | MW-02S | Latdecimal: | 37.872314 |
| Longdecima: | -84.437874 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000098272 |
| Enddate: | 10-SEP-14 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 78 | | |
| Fid: | 98270 | Akgwa: | 80068764 |
| Altid: | MW-02R | Latdecimal: | 37.872314 |
| Longdecima: | -84.437874 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000098271 |
| Enddate: | 10-SEP-14 | | |

| | | | |
|-------------|--------------------------------------|-------------|----------------|
| Map ID: | 78 | | |
| Fid: | 98277 | Akgwa: | 80068771 |
| Altid: | MW-05S | Latdecimal: | 37.872271 |
| Longdecima: | -84.438023 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY600000098278 |
| Enddate: | 10-SEP-14 | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 98276 | Akgwa: | 80068770 |
| Altid: | MW-05R | Latdecimal: | 37.872271 |
| Longdecima: | -84.438023 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000098277 |
| Enddate: | 10-SEP-14 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 78 | | |
| Fid: | 98268 | Akgwa: | 80068762 |
| Altid: | MW-01R | Latdecimal: | 37.872207 |
| Longdecima: | -84.437816 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000098269 |
| Enddate: | 10-SEP-14 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 78 | | |
| Fid: | 98269 | Akgwa: | 80068763 |
| Altid: | MW-01S | Latdecimal: | 37.872207 |
| Longdecima: | -84.437816 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000098270 |
| Enddate: | 10-SEP-14 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 78 | | |
| Fid: | 98273 | Akgwa: | 80068767 |
| Altid: | MW-03S | Latdecimal: | 37.87211 |
| Longdecima: | -84.437986 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000098274 |
| Enddate: | 10-SEP-14 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 78 | | |
| Fid: | 98272 | Akgwa: | 80068766 |
| Altid: | MW-03R | Latdecimal: | 37.87211 |
| Longdecima: | -84.437986 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000098273 |
| Enddate: | 10-SEP-14 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 78 | | |
| Fid: | 98275 | Akgwa: | 80068769 |
| Altid: | MW-04S | Latdecimal: | 37.872043 |
| Longdecima: | -84.438135 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000098276 |
| Enddate: | 10-SEP-14 | | |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 98274 | Akgwa: | 80068768 |
| Altid: | MW-04R | Latdecimal: | 37.872043 |
| Longdecima: | -84.438135 | County: | Jessamine |
| Quadname: | Valley View | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 0 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000098275 |
| Enddate: | 10-SEP-14 | | |

| | | | |
|-------------|-----------------|-------------|-------------|
| Map ID: | 80 | Akgwa: | 29377 |
| Fid: | 17685 | Latdecimal: | 37.86527778 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.51111111 | Physiograp: | Bluegrass |
| Quadname: | Little Hickman | Surfaceele: | 860 |
| Type: | W | Enddate: | 01-DEC-92 |
| Usage: | Not Reported | | |
| Site id: | KY6000000017686 | | |

| | | | |
|-------------|-----------------------------|-------------|-------------|
| Map ID: | 80 | Akgwa: | 29378 |
| Fid: | 17686 | Latdecimal: | 37.86388889 |
| Altid: | Not Reported | County: | Jessamine |
| Longdecima: | -84.51111111 | Physiograp: | Bluegrass |
| Quadname: | Little Hickman | Surfaceele: | 840 |
| Type: | W | Enddate: | 02-DEC-92 |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000017687 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 81 | Akgwa: | 80043008 |
| Fid: | 83259 | Latdecimal: | 37.86277778 |
| Altid: | MW-01 | County: | Jessamine |
| Longdecima: | -84.56861111 | Physiograp: | Bluegrass |
| Quadname: | Little Hickman | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000083260 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 13-JUL-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 81 | Akgwa: | 80043009 |
| Fid: | 83260 | Latdecimal: | 37.86277778 |
| Altid: | MW-02 | County: | Jessamine |
| Longdecima: | -84.56861111 | Physiograp: | Bluegrass |
| Quadname: | Little Hickman | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000083261 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 13-JUL-01 | | |

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Map ID: | 81 | Akgwa: | 80044399 |
| Fid: | 84196 | Latdecimal: | 37.86277778 |
| Altid: | MW-5B | County: | Jessamine |
| Longdecima: | -84.56861111 | Physiograp: | Bluegrass |
| Quadname: | Little Hickman | Surfaceele: | 920 |
| Type: | M | Site id: | KY6000000084197 |
| Usage: | Monitoring Well - Ambient Monitoring | | |
| Enddate: | 12-APR-02 | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|-------------|--------------------------------------|-------------|-----------------|
| Fid: | 83261 | Akgwa: | 80043010 |
| Altid: | MW-03 | Latdecimal: | 37.86277778 |
| Longdecima: | -84.56861111 | County: | Jessamine |
| Quadname: | Little Hickman | Physiograp: | Bluegrass |
| Type: | M | Surfaceele: | 920 |
| Usage: | Monitoring Well - Ambient Monitoring | Site id: | KY6000000083262 |
| Enddate: | 13-JUL-01 | | |

| | | | |
|-------------|-----------------------------|-------------|-------------|
| Map ID: | 83 | Akgwa: | 21477 |
| Fid: | 15202 | Latdecimal: | 37.86083333 |
| Altid: | Not Reported | County: | Fayette |
| Longdecima: | -84.42638889 | Physiograp: | Bluegrass |
| Quadname: | Valley View | Surfaceele: | 600 |
| Type: | W | Enddate: | 01-JAN-60 |
| Usage: | Domestic - Single Household | | |
| Site id: | KY6000000015203 | | |

| | | | |
|------------------------------|---|------------------------------|-------------------|
| Map ID: | 1 | KGS #: | 58920 |
| API #: | Not Reported | Original Farm/Lease Name: | DENNY, A S |
| Well Elevation: | 1055 | Original Well #: | 1 |
| Original Operator: | KGS-USGS MAPPING PROGRAM | Formation: | 365TYRN |
| Total Well Depth (ft): | 224 | Init Open or Potential Flow: | Not Reported |
| Deepest Formation: | 000 | How Completed: | Dry and abandoned |
| Original API Classification: | Stratigraphic test with records released to public | Plug Date: | Not Reported |
| Bore Type: | Conventional Vertical | Core Call #: | C-179 |
| Completion Date: | 16-FEB-63 | Log on File: | Not Reported |
| Documentation on Plug: | Not Reported | | |
| Cuttings Call #: | 0 | | |
| Permit #: | Not Reported | | |
| URL: | http://kgs.uky.edu/OG_images/0/0/0/5/8/R00058920/R00058920.pdf | | |

| | | | |
|------------------------------|---|------------------------------|--|
| Map ID: | 2 | KGS #: | 32872 |
| API #: | Not Reported | Original Farm/Lease Name: | THOMPSON, B J & B J BARNHILL ETA |
| Well Elevation: | 0 | Original Well #: | CK17 |
| Original Operator: | MINERVA OIL CO | Formation: | 000 |
| Total Well Depth (ft): | 0 | Init Open or Potential Flow: | Not Reported |
| Deepest Formation: | 000 | Bore Type: | Conventional Vertical |
| Original API Classification: | Unclassified | How Completed: | Terminated (permit expired or cancelled) |
| Completion Date: | Not Reported | Plug Date: | Not Reported |
| Documentation on Plug: | Not Reported | Core Call #: | Not Reported |
| Cuttings Call #: | 0 | Log on File: | Not Reported |
| Permit #: | 24427 | | |
| URL: | http://kgs.uky.edu/OG_images/0/0/0/3/2/R00032872/R00032872.pdf | | |

| | | | |
|------------------------|----------------|------------------------------|---------------------|
| Map ID: | 3 | KGS #: | 32865 |
| API #: | Not Reported | Original Farm/Lease Name: | BARNHILL & THOMPSON |
| Well Elevation: | 890 | Original Well #: | CK16 |
| Original Operator: | MINERVA OIL CO | Formation: | 000 |
| Total Well Depth (ft): | 0 | Init Open or Potential Flow: | Not Reported |
| Deepest Formation: | 000 | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|------------------------------|---|----------------|-------------------|
| Original API Classification: | Stratigraphic test with records released to public | | |
| Bore Type: | Conventional Vertical | How Completed: | Dry and abandoned |
| Completion Date: | 01-FEB-71 | Plug Date: | 18-FEB-71 |
| Documentation on Plug: | AB | Core Call #: | C-202 |
| Cuttings Call #: | 0 | Log on File: | Not Reported |
| Permit #: | 24190 | | |
| URL: | http://kgs.uky.edu/OG_images/0/0/0/3/2/R00032865/R00032865.pdf | | |

| | | | |
|------------------------------|---|------------------------------|-----------------------|
| Map ID: | 4 | | |
| API #: | Not Reported | KGS #: | 11183 |
| Well Elevation: | 958 | Original Farm/Lease Name: | COLEMAN, SELBY |
| Original Operator: | STOLL OIL & REFINING CO | Original Well #: | 1 |
| Total Well Depth (ft): | 1773 | Formation: | 368KNOX |
| Deepest Formation: | 000 | Init Open or Potential Flow: | Not Reported |
| Original API Classification: | New Pool Wildcat | Bore Type: | Conventional Vertical |
| How Completed: | Dry and abandoned | Completion Date: | 23-AUG-59 |
| Plug Date: | Not Reported | Documentation on Plug: | Not Reported |
| Core Call #: | Not Reported | Cuttings Call #: | 267 |
| Log on File: | Not Reported | Permit #: | Not Reported |
| URL: | http://kgs.uky.edu/OG_images/0/0/0/1/1/R00011183/R00011183.pdf | | |

GEOCHECK VERSION 2.1

PUBLIC WATER SUPPLY SYSTEM INFORMATION

PWS SUMMARY:

| | | | |
|------------------|----------------------------|-------------------|----------------------------|
| Map ID: | 9 | | |
| Epa region: | 04 | State: | KY |
| Pwsid: | KY0340250 | Pwsname: | KENTUCKY-AMERICAN WATER CO |
| Cityserved: | Not Reported | Stateserved: | KY |
| Ziperved: | Not Reported | Fipscounty: | 21067 |
| Status: | Active | Retpopsrvd: | 321244 |
| Pwssvconn: | 108163 | Psource longname: | Surface_water |
| Pwstype: | CWS | Owner: | Private |
| Contact: | SHEHEE, DAVID | Contactorgname: | SHEHEE, DAVID |
| Contactphone: | 859-335-3660 | Contactaddress1: | 2300 RICHMOND RD |
| Contactaddress2: | Not Reported | Contactcity: | LEXINGTON |
| Contactstate: | KY | Contactzip: | 40502 |
| Pwsactivitycode: | A | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | aeration, cascade |
| Trtobjective: | taste / odor control | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | flocculation |
| Trtobjective: | particulate removal | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | coagulation |
| Trtobjective: | particulate removal | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | inhibitor, polyphosphate |
| Trtobjective: | corrosion control | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | chloramines |
| Trtobjective: | disinfection | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | filtered |
| Trtobjective: | particulate removal | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | fluoridation |
| Trtobjective: | other | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|------------------|------------------------------|------------------|----------------------------|
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | iron removal | Trtprocess: | permanganate |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | taste / odor control | Trtprocess: | activated carbon, powdered |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | disinfection | Trtprocess: | gaseous chlorination, pre |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | particulate removal | Trtprocess: | sedimentation |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | | |
| Factype: | Treatment_plant | Facactivitycode: | A |
| Trtobjective: | softening (hardness removal) | Factypecode: | TP |
| Trtprocess: | lime - soda ash addition | | |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | taste / odor control |
| Trtprocess: | aeration, cascade | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | coagulation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | flocculation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | ph adjustment, pre | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | corrosion control |
| Trtprocess: | inhibitor, polyphosphate | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | chloramines | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | taste / odor control |
| Trtprocess: | activated carbon, granular | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|------------------|----------------------------|---------------|------------------------------|
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | other |
| Trtprocess: | fluoridation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | iron removal |
| Trtprocess: | permanganate | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | taste / odor control |
| Trtprocess: | activated carbon, granular | | |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | sedimentation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | softening (hardness removal) |
| Trtprocess: | lime - soda ash addition | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, pre | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, pre | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | coagulation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | flocculation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | corrosion control |
| Trtprocess: | ph adjustment | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, pre | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | chloramines | Factypecode: | TP |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|----------------------|----------------------------|---------------------------|----------------------------|
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | other |
| Trtprocess: | fluoridation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | corrosion control |
| Trtprocess: | inhibitor, polyphosphate | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | taste / odor control |
| Trtprocess: | activated carbon, powdered | | |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | iron removal |
| Trtprocess: | permanganate | Factypecode: | TP |
| PWS ID: | KY0340250 | PWS name: | KENTUCKY-AMERICAN WATER CO |
| Address: | 2300 RICHMOND ROAD | Care of: | JULIE SIMPSON |
| City: | LEXINGTON | State: | KY |
| Zip: | 405022000 | Owner: | KENTUCKY-AMERICAN WATER CO |
| Source code: | Surface water | Population: | 281094 |
| PWS ID: | KY0340250 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS name: | KENTUCKY-AMERICAN WATER CO |
| PWS type code: | C | Retail population served: | 354473 |
| Contact: | SHEHEE, DAVID | Contact address: | 6300 CEDAR CREEK LN |
| Contact address: | LEXINGTON | Contact city: | KY |
| Contact state: | 40 | Contact zip: | 859-335-36 |
| Contact telephone: | Not Reported | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | CORROSION CONTROL | Process: | INHIBITOR, POLYPHOSPHATE |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | DISINFECTION | Process: | CHLORAMINES |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | DISINFECTION | Process: | GASEOUS CHLORINATION, POST |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | DISINFECTION | Process: | GASEOUS CHLORINATION, PRE |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | IRON REMOVAL | Process: | AERATION, CASCADE |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | IRON REMOVAL | Process: | PERMANGANATE |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|------------------------|---------------------------------------|--------------------------|----------------------------|
| Treatment Objective: | PARTICULATE REMOVAL | Process: | COAGULATION |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | FILTRATION, RAPID SAND |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | SEDIMENTATION |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | SOFTENING (HARDNESS REMOVAL) | Process: | |
| Population: | LIME - SODA ASH ADDITION | Population: | 281094 |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | TASTE / ODOR CONTROL | Process: | ACTIVATED CARBON, GRANULAR |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | TASTE / ODOR CONTROL | Process: | ACTIVATED CARBON, POWDERED |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | TASTE / ODOR CONTROL | Process: | AERATION, CASCADE |
| Population: | 281094 | | |
| PWS ID: | KY0340250 | Activity status: | Active |
| Date system activated: | 7309 | Date system deactivated: | Not Reported |
| Retail population: | 00267300 | System name: | KENTUCKY-AMERICAN WATER CO |
| System address: | DILLARD GRIFFIN | System address: | 2300 RICHMOND ROAD |
| System city: | LEXINGTON | System state: | KY |
| System zip: | 405022000 | | |
| County FIPS: | 034 | City served: | LEXINGTON |
| Population served: | over 100,000 Persons | Treatment: | Treated |
| Latitude: | 375407 | Longitude: | 0842239 |
| Latitude: | 375845 | Longitude: | 0842710 |
| Latitude: | 375407 | Longitude: | 0842239 |
| State: | KY | Latitude degrees: | 37 |
| Latitude minutes: | 54 | Latitude seconds: | 7.0000 |
| Longitude degrees: | 84 | Longitude minutes: | 22 |
| Longitude seconds: | 39.0000 | | |
| State: | KY | Latitude degrees: | 37 |
| Latitude minutes: | 58 | Latitude seconds: | 45.0000 |
| Longitude degrees: | 84 | Longitude minutes: | 27 |
| Longitude seconds: | 10.0000 | | |
| Violation id: | 7379806 | Orig code: | S |
| State: | KY | Violation Year: | 2005 |
| Contamination code: | 0300 | Contamination Name: | IESWTR |
| Violation code: | 38 | | |
| Violation name: | Monitoring, Turbidity (Enhanced SWTR) | | |
| Rule code: | 122 | Rule name: | LT1 ESWTR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 03/01/2005 |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|---------------------|---|---------------------|--------------------------------|
| Cmp edt: | 03/31/2005 | | |
| Violation id: | 7380106 | Orig code: | S |
| State: | KY | Violation Year: | 2006 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 25 | Violation name: | Monitoring, Repeat Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 05/01/2006 |
| Cmp edt: | 05/31/2006 | | |
| | | | |
| Violation id: | 7381543 | Orig code: | S |
| State: | KY | Violation Year: | 2013 |
| Contamination code: | 0300 | Contamination Name: | IESWTR |
| Violation code: | 43 | | |
| Violation name: | Single Turbidity Exceed (Enhanced SWTR) | | |
| Rule code: | 122 | Rule name: | LT1 ESWTR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 11/01/2013 |
| Cmp edt: | 11/30/2013 | | |
| | | | |
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 2/14/2006 0:00:00 |
| Enforcement Action: | SFJ | | |
| | | | |
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 2/14/2006 0:00:00 |
| Enforcement Action: | SIE | | |
| | | | |
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 12/6/2006 0:00:00 |
| Enforcement Action: | SIF | | |
| | | | |
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 2/14/2006 0:00:00 |
| Enforcement Action: | SIE | | |
| | | | |
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 2/14/2006 0:00:00 |
| Enforcement Action: | SFJ | | |
| | | | |
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 25 | Contaminant: | 3100 |
| Compliance Begin: | 5/1/2006 0:00:00 | Compliance End: | 5/31/2006 0:00:00 |
| Violation ID: | 7380106 | Enforcement Date: | 9/5/2006 0:00:00 |
| Enforcement Action: | SFJ | | |
| | | | |
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 25 | Contaminant: | 3100 |
| Compliance Begin: | 5/1/2006 0:00:00 | Compliance End: | 5/31/2006 0:00:00 |
| Violation ID: | 7380106 | Enforcement Date: | 9/5/2006 0:00:00 |
| Enforcement Action: | SIE | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|---------------------|----------------------------|-----------------------|---------------------|
| System Name: | KENTUCKY-AMERICAN WATER CO | Contaminant: | 3100 |
| Violation Type: | 25 | Compliance End: | 5/31/2006 0:00:00 |
| Compliance Begin: | 5/1/2006 0:00:00 | Enforcement Date: | No Enf Action as of |
| Violation ID: | 7380106 | | |
| Enforcement Action: | 10/17/2006 0:00:00 | | |
| | | | |
| System Name: | KENTUCKY-AMERICAN WATER CO | Contaminant: | 3100 |
| Violation Type: | 26 | Compliance End: | 1995-05-31 |
| Compliance Begin: | 1995-05-01 | Enforcement Date: | 1995-06-26 |
| Violation ID: | 9568989 | | |
| Enforcement Action: | SIA | | |
| | | | |
| Violation ID: | 7379806 | Orig Code: | S |
| Enforcement FY: | 2006 | Enforcement Action: | 02/14/2006 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| | | | |
| Violation ID: | 7379806 | Orig Code: | S |
| Enforcement FY: | 2007 | Enforcement Action: | 02/08/2007 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| | | | |
| Violation ID: | 7379806 | Orig Code: | S |
| Enforcement FY: | 2007 | Enforcement Action: | 12/06/2006 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| | | | |
| Violation ID: | 7379806 | Orig Code: | S |
| Enforcement FY: | 2006 | Enforcement Action: | 02/14/2006 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| | | | |
| Violation ID: | 7380106 | Orig Code: | S |
| Enforcement FY: | 2006 | Enforcement Action: | 09/05/2006 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| | | | |
| Violation ID: | 7380106 | Orig Code: | S |
| Enforcement FY: | 2007 | Enforcement Action: | 02/28/2007 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| | | | |
| Violation ID: | 7380106 | Orig Code: | S |
| Enforcement FY: | 2006 | Enforcement Action: | 09/05/2006 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| | | | |
| Violation ID: | 7380106 | Orig Code: | S |
| Enforcement FY: | 2007 | Enforcement Action: | 03/22/2007 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| | | | |
| Violation ID: | 7381543 | Orig Code: | S |
| Enforcement FY: | 2014 | Enforcement Action: | 12/17/2013 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| | | | |
| Violation ID: | 7381543 | Orig Code: | S |
| Enforcement FY: | 2014 | Enforcement Action: | 02/24/2014 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| | | | |
| Violation ID: | 7381543 | Orig Code: | S |
| Enforcement FY: | 2014 | Enforcement Action: | 12/17/2013 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| | | | |
| Violation ID: | 7381543 | Orig Code: | S |
| Enforcement FY: | 2014 | Enforcement Action: | 01/31/2014 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| | | | |
| Violation ID: | Not Reported | Orig Code: | S |
| Enforcement FY: | 2006 | Enforcement Action: | 07/14/2006 |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|------------------------|--------------------------------|------------------------|-----------------------------|
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Not Reported |
| Violation ID: | Not Reported | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/14/2006 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Not Reported |
| PWS name: | KENTUCKY-AMERICAN WATER CO | | |
| Population served: | 354473 | PWS type code: | C |
| Violation ID: | 7379806 | Contaminant: | 0300 |
| Violation type: | 38 | Compliance start date: | 3/1/2005 0:00:00 |
| Compliance end date: | 3/31/2005 0:00:00 | Enforcement date: | 12/6/2006 0:00:00 |
| Enforcement action: | State Public Notif Received | | |
| Violation measurement: | Not Reported | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | | |
| Population served: | 354473 | PWS type code: | C |
| Violation ID: | 7379806 | Contaminant: | 0300 |
| Violation type: | 38 | Compliance start date: | 3/1/2005 0:00:00 |
| Compliance end date: | 3/31/2005 0:00:00 | Enforcement date: | 2/14/2006 0:00:00 |
| Enforcement action: | State Formal NOV Issued | | |
| Violation measurement: | Not Reported | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | | |
| Population served: | 354473 | PWS type code: | C |
| Violation ID: | 7379806 | Contaminant: | 0300 |
| Violation type: | 38 | Compliance start date: | 3/1/2005 0:00:00 |
| Compliance end date: | 3/31/2005 0:00:00 | Enforcement date: | 2/14/2006 0:00:00 |
| Enforcement action: | State Public Notif Requested | | |
| Violation measurement: | Not Reported | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | | |
| Population served: | 354473 | PWS type code: | C |
| Violation ID: | 7379806 | Contaminant: | 0300 |
| Violation type: | 38 | Compliance start date: | 3/1/2005 0:00:00 |
| Compliance end date: | 3/31/2005 0:00:00 | Enforcement date: | 2/8/2007 0:00:00 |
| Enforcement action: | State Compliance Achieved | | |
| Violation measurement: | Not Reported | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | | |
| Population served: | 354473 | PWS type code: | C |
| Violation ID: | 7380106 | Contaminant: | COLIFORM (TCR) |
| Violation type: | Monitoring, Repeat Major (TCR) | | |
| Compliance start date: | 5/1/2006 0:00:00 | Compliance end date: | 5/31/2006 0:00:00 |
| Enforcement date: | 2/28/2007 0:00:00 | Enforcement action: | State Compliance Achieved |
| Violation measurement: | Not Reported | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | | |
| Population served: | 354473 | PWS type code: | C |
| Violation ID: | 7380106 | Contaminant: | COLIFORM (TCR) |
| Violation type: | Monitoring, Repeat Major (TCR) | | |
| Compliance start date: | 5/1/2006 0:00:00 | Compliance end date: | 5/31/2006 0:00:00 |
| Enforcement date: | 3/22/2007 0:00:00 | Enforcement action: | State Public Notif Received |
| Violation measurement: | Not Reported | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | | |
| Population served: | 354473 | PWS type code: | C |
| Violation ID: | 7380106 | Contaminant: | COLIFORM (TCR) |
| Violation type: | Monitoring, Repeat Major (TCR) | | |
| Compliance start date: | 5/1/2006 0:00:00 | Compliance end date: | 5/31/2006 0:00:00 |
| Enforcement date: | 9/5/2006 0:00:00 | Enforcement action: | State Formal NOV Issued |
| Violation measurement: | Not Reported | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | | |
| Population served: | 354473 | PWS type code: | C |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|------------------------|--------------------------------|----------------------|------------------------------|
| Violation ID: | 7380106 | Contaminant: | COLIFORM (TCR) |
| Violation type: | Monitoring, Repeat Major (TCR) | | |
| Compliance start date: | 5/1/2006 0:00:00 | Compliance end date: | 5/31/2006 0:00:00 |
| Enforcement date: | 9/5/2006 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |

| | | | |
|--------------------------|----------------------------|------------------------|------------------------------|
| Map ID: | 31 | | |
| Epa region: | 04 | State: | KY |
| Pwsid: | KY0570588 | Pwsname: | ICEBERG SPRING WATER |
| Cityserved: | Not Reported | Stateserved: | KY |
| Zipserved: | Not Reported | Fipscounty: | 21113 |
| Status: | Closed | Retpopsrvd: | 1500 |
| Pwssvconn: | 1 | Psource longname: | Surface_water |
| Pwstype: | CWS | Owner: | Private |
| Contact: | ICEBERG SPRING WATER | Contactorgname: | Not Reported |
| Contactphone: | 606-885-9501 | Contactaddress1: | HARVEY HOFFMASTER |
| Contactaddress2: | PO BOX 12527 | Contactcity: | LEXINGTON |
| Contactstate: | KY | Contactzip: | 40583 |
| Pwsactivitycode: | I | | |
| Pwsid: | KY0570588 | Facid: | 1T |
| Facname: | SPRING | Factype: | Treatment_plant |
| Facactivitycode: | I | Trtobjective: | particulate removal |
| Trtprocess: | filtration, cartridge | Factypecode: | TP |
| Pwsid: | KY0570588 | Facid: | 1T |
| Facname: | SPRING | Factype: | Treatment_plant |
| Facactivitycode: | I | Trtobjective: | disinfection |
| Trtprocess: | ultraviolet radiation | Factypecode: | TP |
| Pwsid: | KY0570588 | Facid: | 1T |
| Facname: | SPRING | Factype: | Treatment_plant |
| Facactivitycode: | I | Trtobjective: | softening (hardness removal) |
| Trtprocess: | ion exchange | Factypecode: | TP |
| Pwsid: | KY0570588 | Facid: | 1T |
| Facname: | SPRING | Factype: | Treatment_plant |
| Facactivitycode: | I | Trtobjective: | radionuclides removal |
| Trtprocess: | ion exchange | Factypecode: | TP |
| Pwsid: | KY0570588 | Facid: | 1T |
| Facname: | SPRING | Factype: | Treatment_plant |
| Facactivitycode: | I | Trtobjective: | taste / odor control |
| Trtprocess: | activated carbon, powdered | | |
| Factypecode: | TP | | |
| PWS ID: | KY0570588 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS ID: | KY0570588 |
| Activity status: | Active | Date system activated: | 8702 |
| Date system deactivated: | Not Reported | Retail population: | 00001500 |
| System name: | ICEBERG SPRING WATER | System address: | HARVEY HOFFMASTER |
| System address: | PO BOX 12527 | System city: | LEXINGTON |
| System state: | KY | System zip: | 40583 |
| County FIPS: | 057 | City served: | LEXINGTON |
| Population served: | 1,001 - 2,500 Persons | Treatment: | Treated |
| Latitude: | 380257 | Longitude: | 0843001 |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Latitude: 375620 Longitude: 0843230

| | | | |
|------------------|----------------------------|-------------------|----------------------------|
| Map ID: | 51 | | |
| Epa region: | 04 | State: | KY |
| Pwsid: | KY0340250 | Pwsname: | KENTUCKY-AMERICAN WATER CO |
| Cityserved: | Not Reported | Stateserved: | KY |
| Ziperved: | Not Reported | Fipscounty: | 21067 |
| Status: | Active | Retpopsrvd: | 321244 |
| Pwssvconn: | 108163 | Psource longname: | Surface_water |
| Pwstype: | CWS | Owner: | Private |
| Contact: | SHEHEE, DAVID | Contactorgname: | SHEHEE, DAVID |
| Contactphone: | 859-335-3660 | Contactaddress1: | 2300 RICHMOND RD |
| Contactaddress2: | Not Reported | Contactcity: | LEXINGTON |
| Contactstate: | KY | Contactzip: | 40502 |
| Pwsactivitycode: | A | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | aeration, cascade |
| Trtobjective: | taste / odor control | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | flocculation |
| Trtobjective: | particulate removal | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | coagulation |
| Trtobjective: | particulate removal | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | inhibitor, polyphosphate |
| Trtobjective: | corrosion control | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | chloramines |
| Trtobjective: | disinfection | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | filtered |
| Trtobjective: | particulate removal | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | fluoridation |
| Trtobjective: | other | | |
| Factypecode: | TP | | |
| | | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | | |

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

| | | | |
|------------------|------------------------------|------------------|----------------------------|
| Trtobjective: | iron removal | Trtprocess: | permanganate |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | activated carbon, powdered |
| Trtobjective: | taste / odor control | | |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | gaseous chlorination, pre |
| Trtobjective: | disinfection | | |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | sedimentation |
| Trtobjective: | particulate removal | | |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 264 |
| Facname: | KENTUCKY RIVER STATION WTP | Facactivitycode: | A |
| Factype: | Treatment_plant | Trtprocess: | |
| Trtobjective: | softening (hardness removal) | Factypecode: | TP |
| Trtprocess: | lime - soda ash addition | | |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | taste / odor control |
| Trtprocess: | aeration, cascade | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | coagulation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | flocculation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | ph adjustment, pre | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | corrosion control |
| Trtprocess: | inhibitor, polyphosphate | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | chloramines | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | taste / odor control |
| Trtprocess: | activated carbon, granular | | |
| Factypecode: | TP | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|------------------|----------------------------|---------------|------------------------------|
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | other |
| Trtprocess: | fluoridation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | iron removal |
| Trtprocess: | permanganate | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | taste / odor control |
| Trtprocess: | activated carbon, granular | | |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | sedimentation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | softening (hardness removal) |
| Trtprocess: | lime - soda ash addition | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 265 |
| Facname: | RICHMOND RD STATION WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, pre | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, pre | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | coagulation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | particulate removal |
| Trtprocess: | flocculation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | corrosion control |
| Trtprocess: | ph adjustment | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | gaseous chlorination, pre | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | disinfection |
| Trtprocess: | chloramines | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|----------------------|----------------------------|---------------------------|----------------------------|
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | other |
| Trtprocess: | fluoridation | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | corrosion control |
| Trtprocess: | inhibitor, polyphosphate | Factypecode: | TP |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | taste / odor control |
| Trtprocess: | activated carbon, powdered | | |
| Factypecode: | TP | | |
| Pwsid: | KY0340250 | Facid: | 6631 |
| Facname: | HARDIN LANDING WTP | Factype: | Treatment_plant |
| Facactivitycode: | A | Trtobjective: | iron removal |
| Trtprocess: | permanganate | Factypecode: | TP |
| PWS ID: | KY0340250 | PWS name: | KENTUCKY-AMERICAN WATER CO |
| Address: | 2300 RICHMOND ROAD | Care of: | JULIE SIMPSON |
| City: | LEXINGTON | State: | KY |
| Zip: | 405022000 | Owner: | KENTUCKY-AMERICAN WATER CO |
| Source code: | Surface water | Population: | 281094 |
| PWS ID: | KY0340250 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS name: | KENTUCKY-AMERICAN WATER CO |
| PWS type code: | C | Retail population served: | 354473 |
| Contact: | SHEHEE, DAVID | Contact address: | 6300 CEDAR CREEK LN |
| Contact address: | LEXINGTON | Contact city: | KY |
| Contact state: | 40 | Contact zip: | 859-335-36 |
| Contact telephone: | Not Reported | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | CORROSION CONTROL | Process: | INHIBITOR, POLYPHOSPHATE |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | DISINFECTION | Process: | CHLORAMINES |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | DISINFECTION | Process: | GASEOUS CHLORINATION, POST |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | DISINFECTION | Process: | GASEOUS CHLORINATION, PRE |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | IRON REMOVAL | Process: | AERATION, CASCADE |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | IRON REMOVAL | Process: | PERMANGANATE |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | COAGULATION |

**GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION**

| | | | |
|------------------------|---------------------------------------|--------------------------|----------------------------|
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | FILTRATION, RAPID SAND |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | PARTICULATE REMOVAL | Process: | SEDIMENTATION |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | SOFTENING (HARDNESS REMOVAL) | | |
| Process: | LIME - SODA ASH ADDITION | Population: | 281094 |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | TASTE / ODOR CONTROL | Process: | ACTIVATED CARBON, GRANULAR |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | TASTE / ODOR CONTROL | Process: | ACTIVATED CARBON, POWDERED |
| Population: | 281094 | | |
| County: | FAYETTE | Source: | Surface water |
| Treatment Objective: | TASTE / ODOR CONTROL | Process: | AERATION, CASCADE |
| Population: | 281094 | | |
| PWS ID: | KY0340250 | Activity status: | Active |
| Date system activated: | 7309 | Date system deactivated: | Not Reported |
| Retail population: | 00267300 | System name: | KENTUCKY-AMERICAN WATER CO |
| System address: | DILLARD GRIFFIN | System address: | 2300 RICHMOND ROAD |
| System city: | LEXINGTON | System state: | KY |
| System zip: | 405022000 | | |
| County FIPS: | 034 | City served: | LEXINGTON |
| Population served: | over 100,000 Persons | Treatment: | Treated |
| Latitude: | 375407 | Longitude: | 0842239 |
| Latitude: | 375845 | Longitude: | 0842710 |
| Latitude: | 375407 | Longitude: | 0842239 |
| State: | KY | Latitude degrees: | 37 |
| Latitude minutes: | 54 | Latitude seconds: | 7.0000 |
| Longitude degrees: | 84 | Longitude minutes: | 22 |
| Longitude seconds: | 39.0000 | | |
| State: | KY | Latitude degrees: | 37 |
| Latitude minutes: | 58 | Latitude seconds: | 45.0000 |
| Longitude degrees: | 84 | Longitude minutes: | 27 |
| Longitude seconds: | 10.0000 | | |
| Violation id: | 7379806 | Orig code: | S |
| State: | KY | Violation Year: | 2005 |
| Contamination code: | 0300 | Contamination Name: | IESWTR |
| Violation code: | 38 | | |
| Violation name: | Monitoring, Turbidity (Enhanced SWTR) | | |
| Rule code: | 122 | Rule name: | LT1 ESWTR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 03/01/2005 |
| Cmp edt: | 03/31/2005 | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|---------------------|--------------|---------------------|--------------------------------|
| Violation id: | 7380106 | Orig code: | S |
| State: | KY | Violation Year: | 2006 |
| Contamination code: | 3100 | Contamination Name: | Coliform (TCR) |
| Violation code: | 25 | Violation name: | Monitoring, Repeat Major (TCR) |
| Rule code: | 110 | Rule name: | TCR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 05/01/2006 |
| Cmp edt: | 05/31/2006 | | |

| | | | |
|---------------------|---|---------------------|--------------|
| Violation id: | 7381543 | Orig code: | S |
| State: | KY | Violation Year: | 2013 |
| Contamination code: | 0300 | Contamination Name: | IESWTR |
| Violation code: | 43 | | |
| Violation name: | Single Turbidity Exceed (Enhanced SWTR) | | |
| Rule code: | 122 | Rule name: | LT1 ESWTR |
| Violation measur: | Not Reported | Unit of measure: | Not Reported |
| State mcl: | Not Reported | Cmp bdt: | 11/01/2013 |
| Cmp edt: | 11/30/2013 | | |

| | | | |
|---------------------|----------------------------|-------------------|-------------------|
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 2/14/2006 0:00:00 |
| Enforcement Action: | SFJ | | |

| | | | |
|---------------------|----------------------------|-------------------|-------------------|
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 2/14/2006 0:00:00 |
| Enforcement Action: | SIE | | |

| | | | |
|---------------------|----------------------------|-------------------|-------------------|
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 12/6/2006 0:00:00 |
| Enforcement Action: | SIF | | |

| | | | |
|---------------------|----------------------------|-------------------|-------------------|
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 2/14/2006 0:00:00 |
| Enforcement Action: | SIE | | |

| | | | |
|---------------------|----------------------------|-------------------|-------------------|
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 38 | Contaminant: | 0300 |
| Compliance Begin: | 3/1/2005 0:00:00 | Compliance End: | 3/31/2005 0:00:00 |
| Violation ID: | 7379806 | Enforcement Date: | 2/14/2006 0:00:00 |
| Enforcement Action: | SFJ | | |

| | | | |
|---------------------|----------------------------|-------------------|-------------------|
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 25 | Contaminant: | 3100 |
| Compliance Begin: | 5/1/2006 0:00:00 | Compliance End: | 5/31/2006 0:00:00 |
| Violation ID: | 7380106 | Enforcement Date: | 9/5/2006 0:00:00 |
| Enforcement Action: | SFJ | | |

| | | | |
|---------------------|----------------------------|-------------------|-------------------|
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 25 | Contaminant: | 3100 |
| Compliance Begin: | 5/1/2006 0:00:00 | Compliance End: | 5/31/2006 0:00:00 |
| Violation ID: | 7380106 | Enforcement Date: | 9/5/2006 0:00:00 |
| Enforcement Action: | SIE | | |

System Name: KENTUCKY-AMERICAN WATER CO

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|---------------------|----------------------------|-----------------------|---------------------|
| Violation Type: | 25 | Contaminant: | 3100 |
| Compliance Begin: | 5/1/2006 0:00:00 | Compliance End: | 5/31/2006 0:00:00 |
| Violation ID: | 7380106 | Enforcement Date: | No Enf Action as of |
| Enforcement Action: | 10/17/2006 0:00:00 | | |
| System Name: | KENTUCKY-AMERICAN WATER CO | | |
| Violation Type: | 26 | Contaminant: | 3100 |
| Compliance Begin: | 1995-05-01 | Compliance End: | 1995-05-31 |
| Violation ID: | 9568989 | Enforcement Date: | 1995-06-26 |
| Enforcement Action: | SIA | | |
| Violation ID: | 7379806 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 02/14/2006 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| Violation ID: | 7379806 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 02/08/2007 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7379806 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 12/06/2006 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7379806 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 02/14/2006 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7380106 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 09/05/2006 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7380106 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 02/28/2007 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7380106 | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 09/05/2006 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| Violation ID: | 7380106 | Orig Code: | S |
| Enforcemnt FY: | 2007 | Enforcement Action: | 03/22/2007 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | 7381543 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 12/17/2013 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Informal |
| Violation ID: | 7381543 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 02/24/2014 |
| Enforcement Detail: | St Compliance achieved | Enforcement Category: | Resolving |
| Violation ID: | 7381543 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 12/17/2013 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Informal |
| Violation ID: | 7381543 | Orig Code: | S |
| Enforcemnt FY: | 2014 | Enforcement Action: | 01/31/2014 |
| Enforcement Detail: | St Public Notif received | Enforcement Category: | Informal |
| Violation ID: | Not Reported | Orig Code: | S |
| Enforcemnt FY: | 2006 | Enforcement Action: | 07/14/2006 |
| Enforcement Detail: | St Formal NOV issued | Enforcement Category: | Not Reported |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|------------------------|--------------------------------|------------------------|-----------------------------|
| Violation ID: | Not Reported | Orig Code: | S |
| Enforcement FY: | 2006 | Enforcement Action: | 07/14/2006 |
| Enforcement Detail: | St Public Notif requested | Enforcement Category: | Not Reported |
| | | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | PWS type code: | C |
| Population served: | 354473 | Contaminant: | 0300 |
| Violation ID: | 7379806 | Compliance start date: | 3/1/2005 0:00:00 |
| Violation type: | 38 | Enforcement date: | 12/6/2006 0:00:00 |
| Compliance end date: | 3/31/2005 0:00:00 | | |
| Enforcement action: | State Public Notif Received | | |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | PWS type code: | C |
| Population served: | 354473 | Contaminant: | 0300 |
| Violation ID: | 7379806 | Compliance start date: | 3/1/2005 0:00:00 |
| Violation type: | 38 | Enforcement date: | 2/14/2006 0:00:00 |
| Compliance end date: | 3/31/2005 0:00:00 | Violation measurement: | Not Reported |
| Enforcement action: | State Formal NOV Issued | | |
| | | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | PWS type code: | C |
| Population served: | 354473 | Contaminant: | 0300 |
| Violation ID: | 7379806 | Compliance start date: | 3/1/2005 0:00:00 |
| Violation type: | 38 | Enforcement date: | 2/14/2006 0:00:00 |
| Compliance end date: | 3/31/2005 0:00:00 | | |
| Enforcement action: | State Public Notif Requested | | |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | PWS type code: | C |
| Population served: | 354473 | Contaminant: | 0300 |
| Violation ID: | 7379806 | Compliance start date: | 3/1/2005 0:00:00 |
| Violation type: | 38 | Enforcement date: | 2/8/2007 0:00:00 |
| Compliance end date: | 3/31/2005 0:00:00 | Violation measurement: | Not Reported |
| Enforcement action: | State Compliance Achieved | | |
| | | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | PWS type code: | C |
| Population served: | 354473 | Contaminant: | COLIFORM (TCR) |
| Violation ID: | 7380106 | Compliance end date: | 5/31/2006 0:00:00 |
| Violation type: | Monitoring, Repeat Major (TCR) | Enforcement action: | State Compliance Achieved |
| Compliance start date: | 5/1/2006 0:00:00 | | |
| Enforcement date: | 2/28/2007 0:00:00 | | |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | PWS type code: | C |
| Population served: | 354473 | Contaminant: | COLIFORM (TCR) |
| Violation ID: | 7380106 | Compliance end date: | 5/31/2006 0:00:00 |
| Violation type: | Monitoring, Repeat Major (TCR) | Enforcement action: | State Public Notif Received |
| Compliance start date: | 5/1/2006 0:00:00 | | |
| Enforcement date: | 3/22/2007 0:00:00 | | |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | PWS type code: | C |
| Population served: | 354473 | Contaminant: | COLIFORM (TCR) |
| Violation ID: | 7380106 | Compliance end date: | 5/31/2006 0:00:00 |
| Violation type: | Monitoring, Repeat Major (TCR) | Enforcement action: | State Formal NOV Issued |
| Compliance start date: | 5/1/2006 0:00:00 | | |
| Enforcement date: | 9/5/2006 0:00:00 | | |
| Violation measurement: | Not Reported | | |
| | | | |
| PWS name: | KENTUCKY-AMERICAN WATER CO | PWS type code: | C |
| Population served: | 354473 | Contaminant: | COLIFORM (TCR) |
| Violation ID: | 7380106 | | |
| Violation type: | Monitoring, Repeat Major (TCR) | | |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|------------------------|------------------|----------------------|------------------------------|
| Compliance start date: | 5/1/2006 0:00:00 | Compliance end date: | 5/31/2006 0:00:00 |
| Enforcement date: | 9/5/2006 0:00:00 | Enforcement action: | State Public Notif Requested |
| Violation measurement: | Not Reported | | |

| | | | |
|--------------------------|------------------------|------------------------|----------------------|
| Map ID: | 62 | | |
| Epa region: | 04 | State: | KY |
| Pwsid: | KY0762058 | Pwsname: | RIVER FRONT RV |
| Cityserved: | Not Reported | Stateserved: | KY |
| Zipsserved: | Not Reported | Fipscounty: | 21151 |
| Status: | Closed | Retpopsrvd: | 300 |
| Pwssvconn: | 112 | Psource longname: | Groundwater |
| Pwstype: | TNCWS | Owner: | Private |
| Contact: | LEE GREGG, OWNER | Contactorgname: | Not Reported |
| Contactphone: | 859-626-1330 | Contactaddress1: | 8950 OLD RICHMOND RD |
| Contactaddress2: | Not Reported | Contactcity: | LEXINGTON |
| Contactstate: | KY | Contactzip: | 40515 |
| Pwsactivitycode: | I | | |
| | | | |
| Pwsid: | KY0762058 | Facid: | 10000 |
| Facname: | RIVER FRONT RV WTP | Factype: | Treatment_plant |
| Facactivitycode: | I | Trtobjective: | disinfection |
| Trtprocess: | hypochlorination, post | Factypecode: | TP |
| | | | |
| PWS ID: | KY0762058 | PWS type: | Not Reported |
| PWS name: | Not Reported | PWS address: | Not Reported |
| PWS city: | Not Reported | PWS state: | Not Reported |
| PWS zip: | Not Reported | PWS ID: | KY0762058 |
| Activity status: | Active | Date system activated: | 7504 |
| Date system deactivated: | Not Reported | Retail population: | 00000300 |
| System name: | CLAYS FERRY CAMPGROUND | System address: | VIC TANKERSLEY |
| System address: | 8950 RICHMOND ROAD | System city: | LEXINGTON |
| System state: | KY | System zip: | 405150000 |
| | | | |
| County FIPS: | 076 | City served: | LEXINGTON |
| | | | |
| Population served: | 101 - 500 Persons | Treatment: | Treated |
| | | | |
| Latitude: | 380257 | Longitude: | 0843001 |
| | | | |
| Latitude: | 375315 | Longitude: | 0842020 |
| | | | |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1994-09-01 |
| Compliance End: | 1994-09-30 | Violation ID: | 9465568 |
| Enforcement Date: | 1994-10-28 | Enforcement Action: | SIA |
| | | | |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1994-09-01 |
| Compliance End: | 1994-09-30 | Violation ID: | 9465568 |
| Enforcement Date: | 1995-10-25 | Enforcement Action: | SIE |
| | | | |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1994-09-01 |
| Compliance End: | 1994-09-30 | Violation ID: | 9465568 |
| Enforcement Date: | 1995-12-15 | Enforcement Action: | SFJ |
| | | | |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 24 |
| Contaminant: | 3100 | Compliance Begin: | 1995-05-01 |
| Compliance End: | 1995-05-31 | Violation ID: | 9569018 |
| Enforcement Date: | 1995-06-26 | Enforcement Action: | SIA |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|-------------------|------------------------|---------------------|------------|
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 24 |
| Contaminant: | 3100 | Compliance Begin: | 1995-05-01 |
| Compliance End: | 1995-05-31 | Violation ID: | 9569018 |
| Enforcement Date: | 1995-07-26 | Enforcement Action: | SFJ |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 24 |
| Contaminant: | 3100 | Compliance Begin: | 1995-05-01 |
| Compliance End: | 1995-05-31 | Violation ID: | 9569018 |
| Enforcement Date: | 1995-11-28 | Enforcement Action: | SOX |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 24 |
| Contaminant: | 3100 | Compliance Begin: | 1995-05-01 |
| Compliance End: | 1995-05-31 | Violation ID: | 9569018 |
| Enforcement Date: | 1995-10-25 | Enforcement Action: | SIE |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 24 |
| Contaminant: | 3100 | Compliance Begin: | 1995-05-01 |
| Compliance End: | 1995-05-31 | Violation ID: | 9569018 |
| Enforcement Date: | 1995-12-15 | Enforcement Action: | SFJ |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-05-02 | Enforcement Action: | SIF |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-05-02 | Enforcement Action: | SIE |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-06-26 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-07-26 | Enforcement Action: | SFJ |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-08-23 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-11-28 | Enforcement Action: | SOX |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-12-19 | Enforcement Action: | SOX |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-10-25 | Enforcement Action: | SIE |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|-------------------|------------------------|---------------------|--------------|
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-12-15 | Enforcement Action: | SFJ |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1996-02-20 | Enforcement Action: | SIE |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1995-07-26 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1995-01-01 |
| Compliance End: | 1995-12-31 | Violation ID: | 9670651 |
| Enforcement Date: | 1996-08-27 | Enforcement Action: | SOX |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1998-07-01 |
| Compliance End: | 1998-07-31 | Violation ID: | 98074986 |
| Enforcement Date: | Not Reported | Enforcement Action: | Not Reported |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 26 |
| Contaminant: | 3100 | Compliance Begin: | 1998-07-01 |
| Compliance End: | 1998-07-31 | Violation ID: | 98074987 |
| Enforcement Date: | Not Reported | Enforcement Action: | Not Reported |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1998-08-01 |
| Compliance End: | 1998-08-31 | Violation ID: | 98075134 |
| Enforcement Date: | Not Reported | Enforcement Action: | Not Reported |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1998-09-01 |
| Compliance End: | 1998-09-30 | Violation ID: | 98075360 |
| Enforcement Date: | Not Reported | Enforcement Action: | Not Reported |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1999-06-01 |
| Compliance End: | 1999-06-30 | Violation ID: | 9993345 |
| Enforcement Date: | 1999-07-28 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1999-05-01 |
| Compliance End: | 1999-05-31 | Violation ID: | 9993538 |
| Enforcement Date: | 1999-06-25 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1999-06-01 |
| Compliance End: | 1999-06-30 | Violation ID: | 9993538 |
| Enforcement Date: | 1999-07-28 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1999-08-01 |
| Compliance End: | 1999-08-31 | Violation ID: | 9993718 |
| Enforcement Date: | 1999-08-23 | Enforcement Action: | SIE |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 25 |
| Contaminant: | 3100 | Compliance Begin: | 1999-08-01 |
| Compliance End: | 1999-08-31 | Violation ID: | 9993832 |
| Enforcement Date: | 1999-08-23 | Enforcement Action: | SIE |

GEOCHECK VERSION 2.1 STATE DATABASE WELL INFORMATION

| | | | |
|-------------------|------------------------|---------------------|------------|
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 22 |
| Contaminant: | 3100 | Compliance Begin: | 1999-08-01 |
| Compliance End: | 1999-08-31 | Violation ID: | 9993833 |
| Enforcement Date: | 1999-08-23 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1999-01-01 |
| Compliance End: | 1999-12-31 | Violation ID: | 9993991 |
| Enforcement Date: | 1999-06-25 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 25 |
| Contaminant: | 3100 | Compliance Begin: | 1999-08-01 |
| Compliance End: | 1999-08-31 | Violation ID: | 9993991 |
| Enforcement Date: | 1999-08-23 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1999-07-01 |
| Compliance End: | 1999-07-31 | Violation ID: | 9993991 |
| Enforcement Date: | 1999-08-24 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 23 |
| Contaminant: | 3100 | Compliance Begin: | 1999-09-01 |
| Compliance End: | 1999-09-30 | Violation ID: | 9993991 |
| Enforcement Date: | 1999-10-21 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1999-01-01 |
| Compliance End: | 1999-12-31 | Violation ID: | 9994489 |
| Enforcement Date: | 1999-07-28 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1999-01-01 |
| Compliance End: | 1999-12-31 | Violation ID: | 9994489 |
| Enforcement Date: | 1999-08-23 | Enforcement Action: | SIE |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1999-01-01 |
| Compliance End: | 1999-12-31 | Violation ID: | 9994489 |
| Enforcement Date: | 1999-08-23 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1999-01-01 |
| Compliance End: | 1999-12-31 | Violation ID: | 9994489 |
| Enforcement Date: | 1999-08-24 | Enforcement Action: | SIA |
| System Name: | CLAYS FERRY CAMPGROUND | Violation Type: | 03 |
| Contaminant: | 1040 | Compliance Begin: | 1999-01-01 |
| Compliance End: | 1999-12-31 | Violation ID: | 9994489 |
| Enforcement Date: | 1999-10-21 | Enforcement Action: | SIA |

KENTUCKY GOVERNMENT WELL RECORDS SEARCHED

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

State Wetlands Data: Wetland Inventory

Source: Environmental & Public Protection Cabinet

Telephone: 502-564-6736

Kentucky Water Well Records Database

Source: Kentucky Geological Survey

Telephone: 859-257-5500

Water Wells in Kentucky. Data from the Kentucky Ground Water Data Repository.

Oil and Gas Well Locations

Source: Kentucky Geological Survey

Telephone: 859-257-5500

Oil and gas well locations in the state of Kentucky

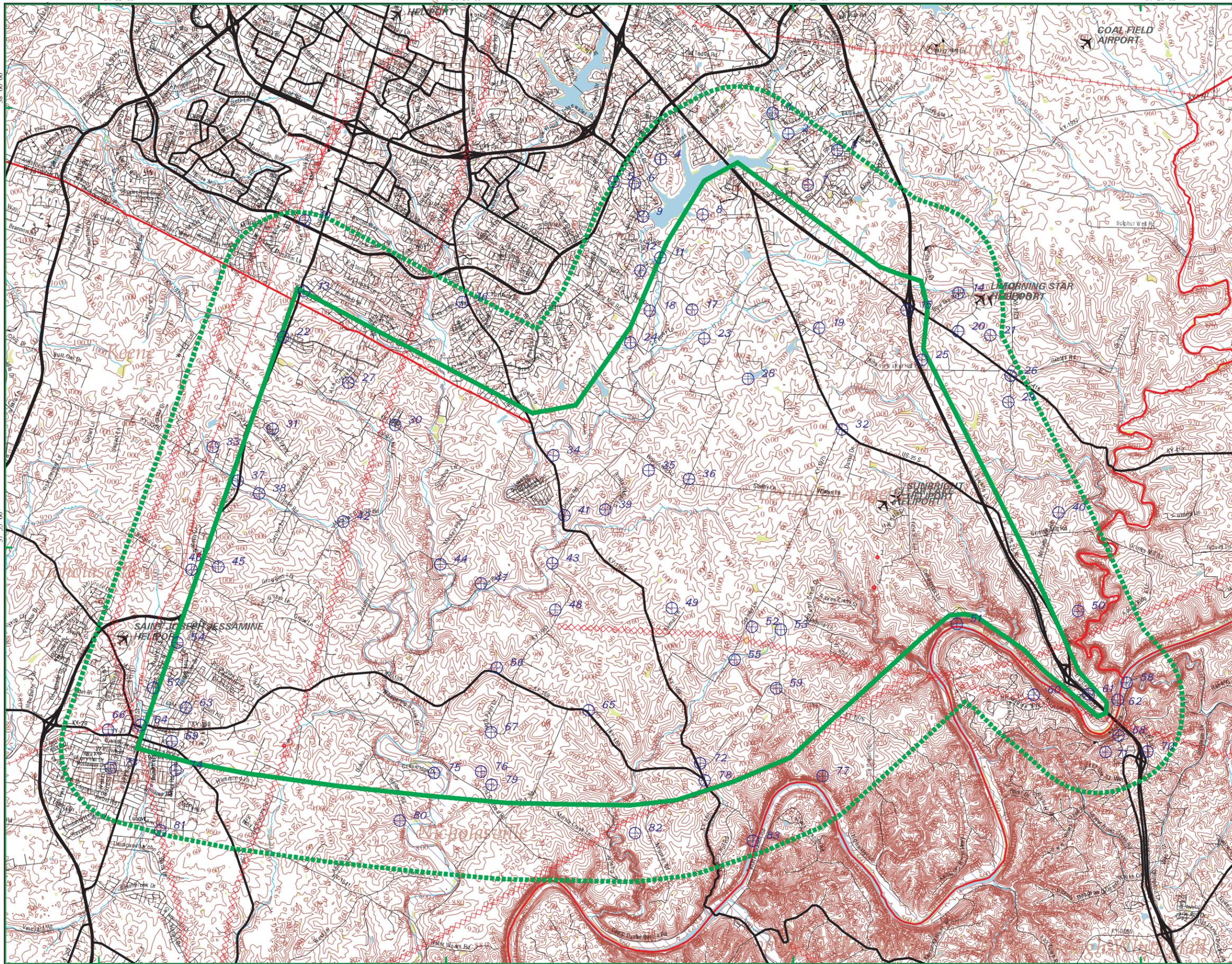
STREET AND ADDRESS INFORMATION

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

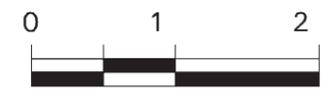
EDR DataMap® Well Search

SE Lexington Connectivity Study

-  Listed Water Wells
-  Oil & Gas Wells
-  Study Boundary
-  Roads
-  Major Roads
-  Waterways
-  Railroads
-  Contour Lines
-  Fault Lines
-  Water
-  Superfund Sites
-  100-Yr Flood Zones
-  Wetlands



Lexington, KY



Scale in Miles



Attachments

ATTACHMENT 7

EDR Report (Provided in separate digital format due to size)

