Hydrologic Information

FEMA Flood Zone Definitions

Special Flood Hazard Areas – High Risk

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

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

Coastal High Hazard Areas – High Risk

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

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

Hydrologic Information

Moderate and Minimal Risk Areas

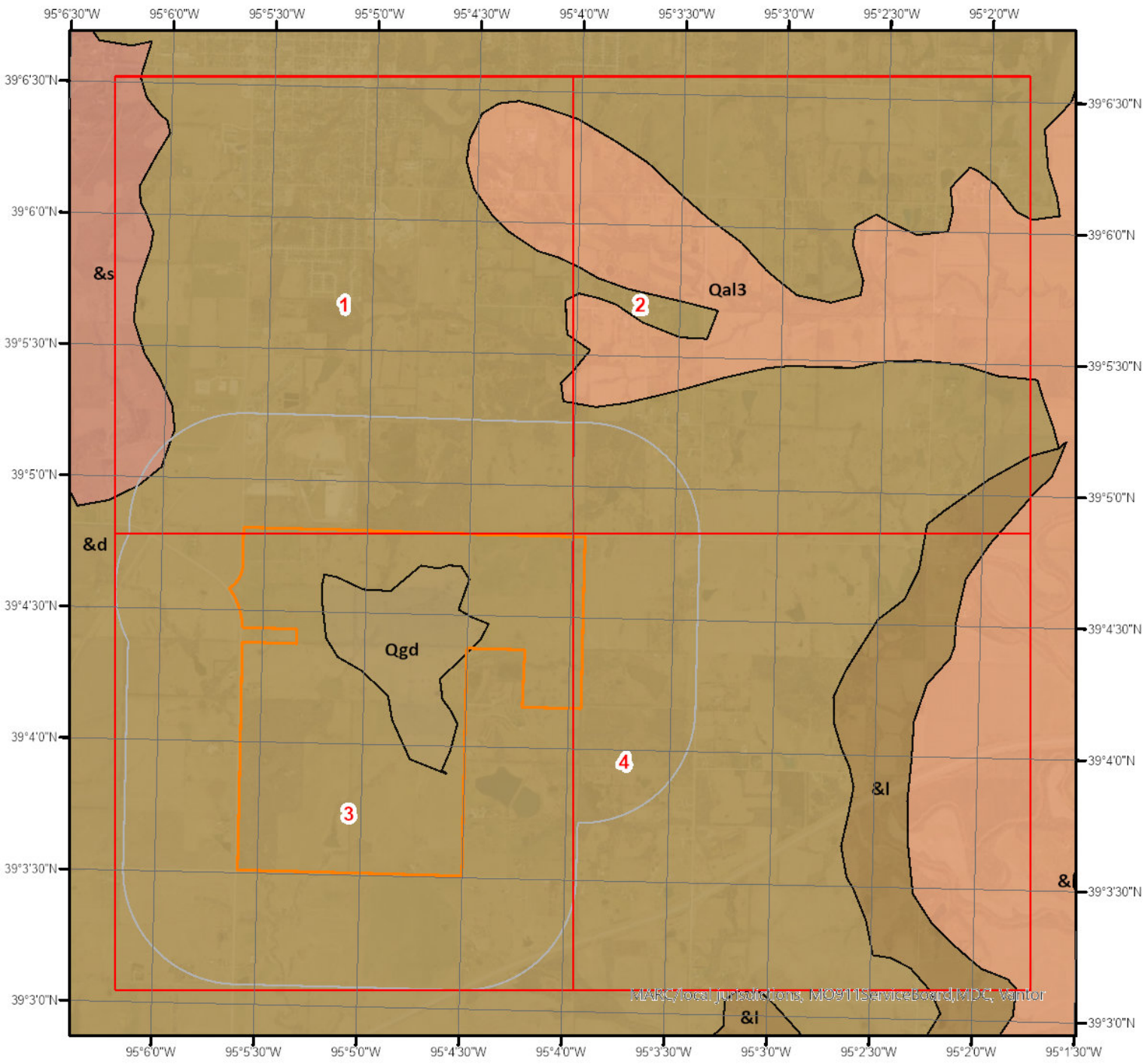
Areas of moderate or minimal hazard are studied based upon the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Local stormwater drainage systems are not normally considered in a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

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

Undetermined Risk Areas

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

Geologic Information



Geologic Units

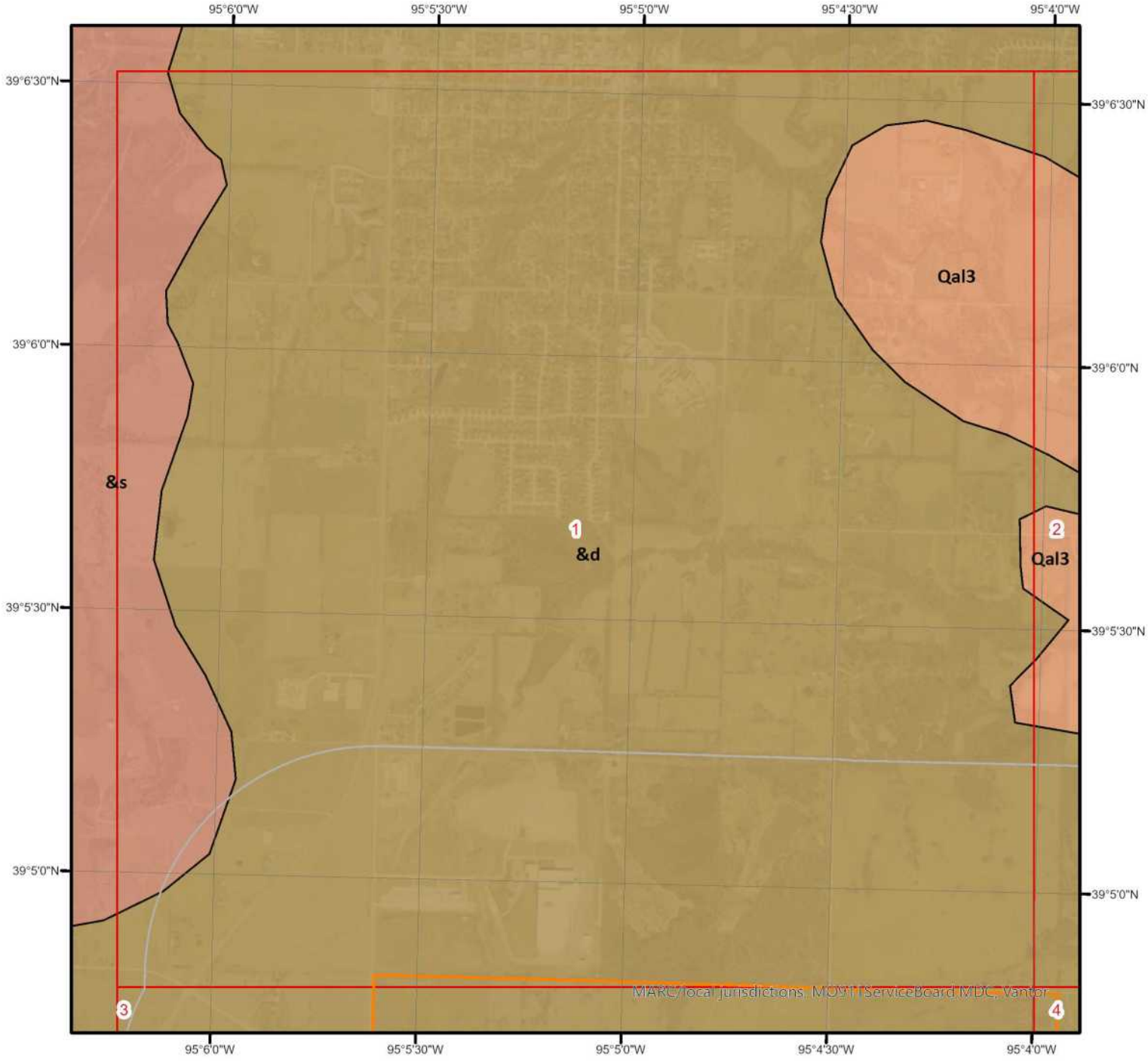
This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

N

0 0.5 1 Miles

ERIS

Geologic Information



Geologic Units - Page 1

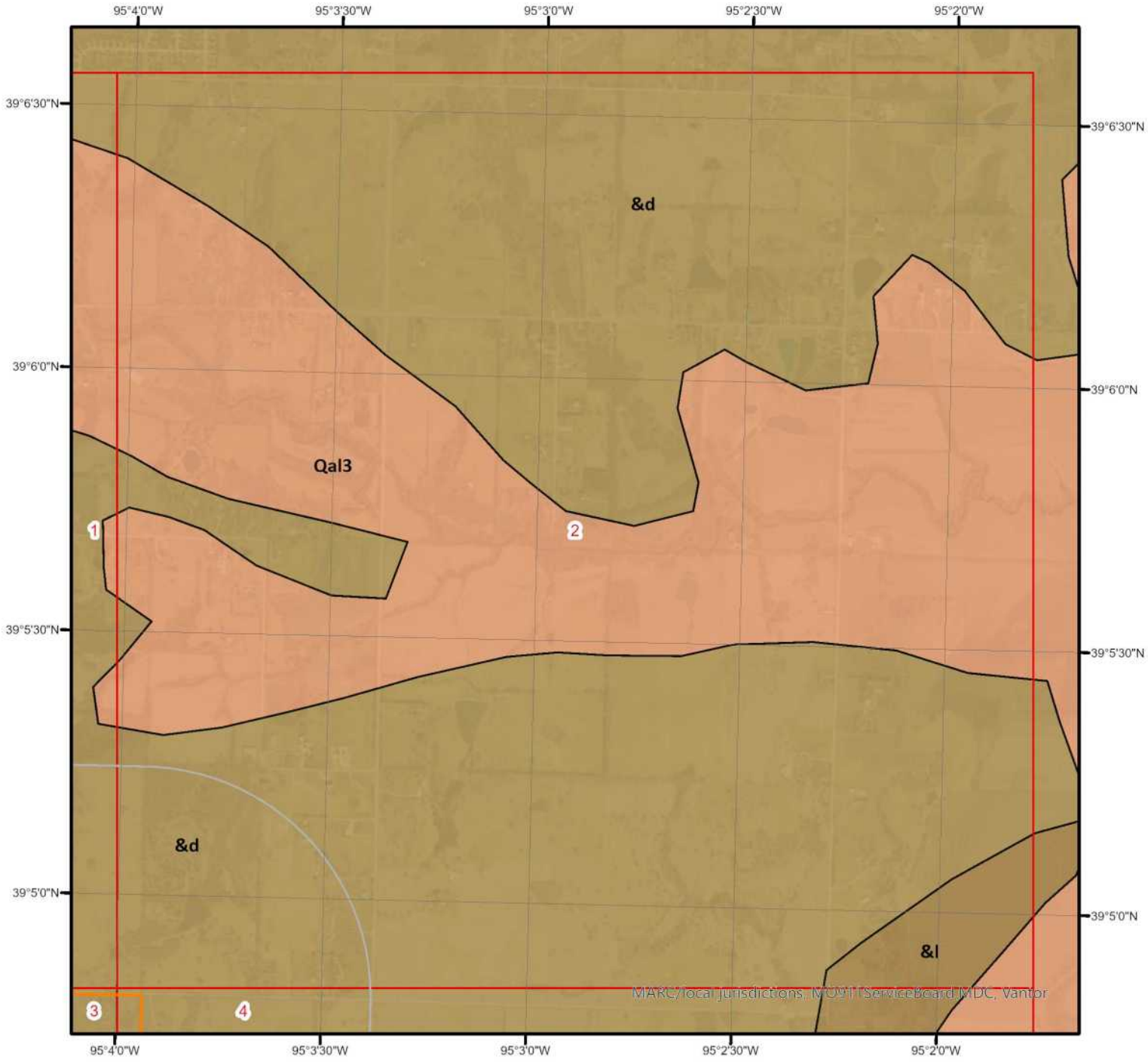
N

0 0.3 0.5 Miles

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

ERIS

Geologic Information



Geologic Units - Page 2

N

0 0.3 0.5 Miles

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

ERIS

Geologic Information



Geologic Units - Page 3

N

0 0.3 0.5 Miles

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

ERIS

Geologic Information



Geologic Units - Page 4

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

N

0 0.3 0.5 Miles

ERIS

Geologic Information

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

Geologic Unit &d

Unit Name:	Douglas Group
Unit Age:	Late Pennsylvanian- Virgilian
Primary Rock Type:	Shale
Secondary Rock Type:	Sandstone
Unit Description:	Lawrence FM (base LA)- mostly gray shale and sandstone with minor red shale, coal, gray limestone and conglomerate, thickness ranges from 140ft to 250 ft. Stranger FM- five members containing sandstone, shale, and minor limestone, coal and conglomerate ranging from 100 ft. to 180 ft. thickness.

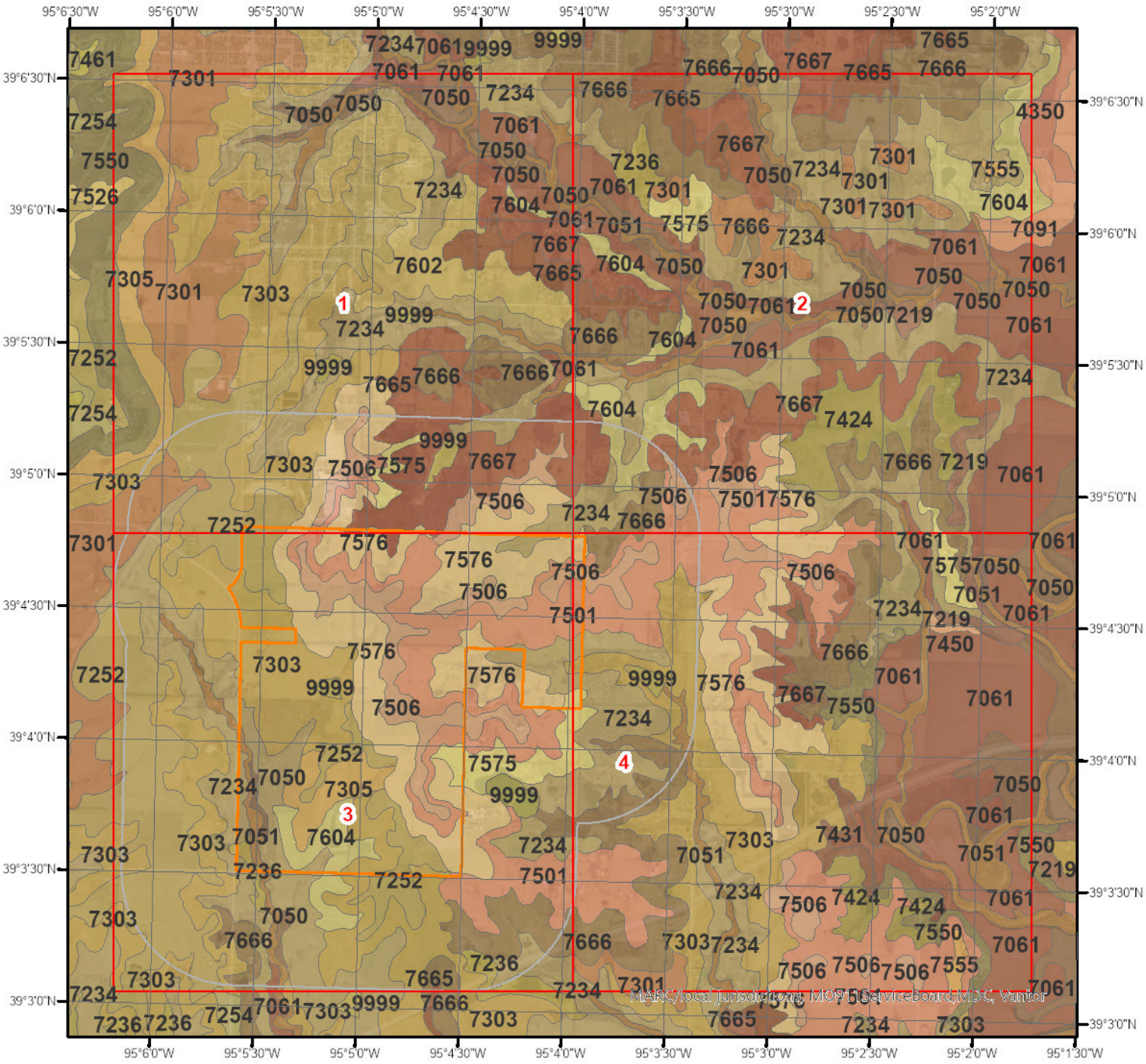
Geologic Unit &s

Unit Name:	Shawnee Group
Unit Age:	Late Pennsylvanian- Virgilian
Primary Rock Type:	Limestone
Secondary Rock Type:	Shale
Unit Description:	Includes: Topeka Limestone, Calhoun Shale, Deer Creek Limestone (base DC), Tecumseh Shale, Lecompton Limestone (base LC), Kanwaka Shale, Oread Limestone with Plattsmouth Limestone Member (base PL).

Geologic Unit Qgd

Unit Name:	Drift
Unit Age:	Pleistocene
Primary Rock Type:	Sand
Secondary Rock Type:	Silt
Unit Description:	sand, silt, clay, and some gravel

Soil Information



SSURGO Soils

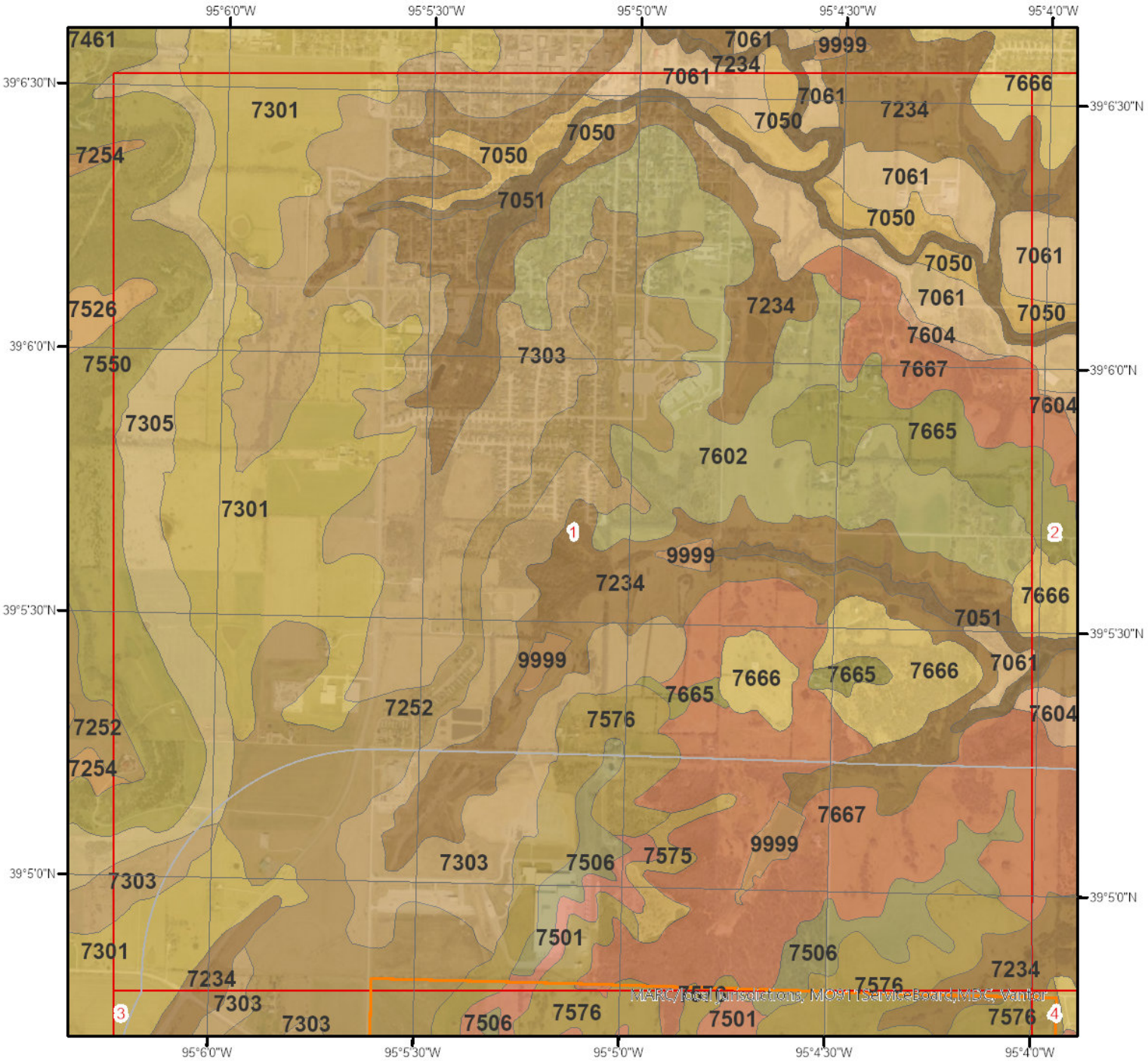
N

0 0.5 1 Miles

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

ERIS

Soil Information



SSURGO Soils - Page 1

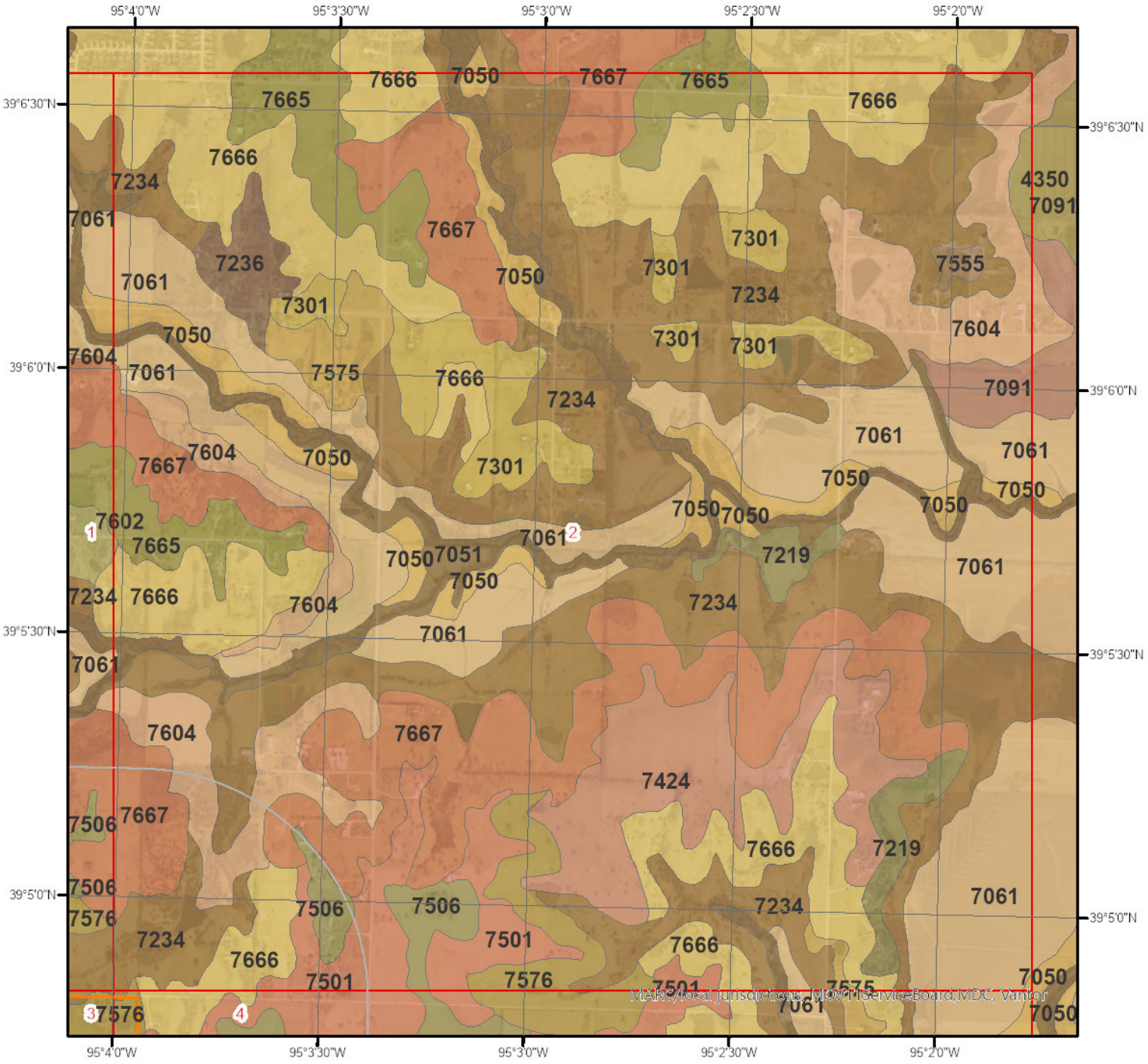
N

0 0.3 0.5 Miles

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

ERIS

Soil Information



SSURGO Soils - Page 2

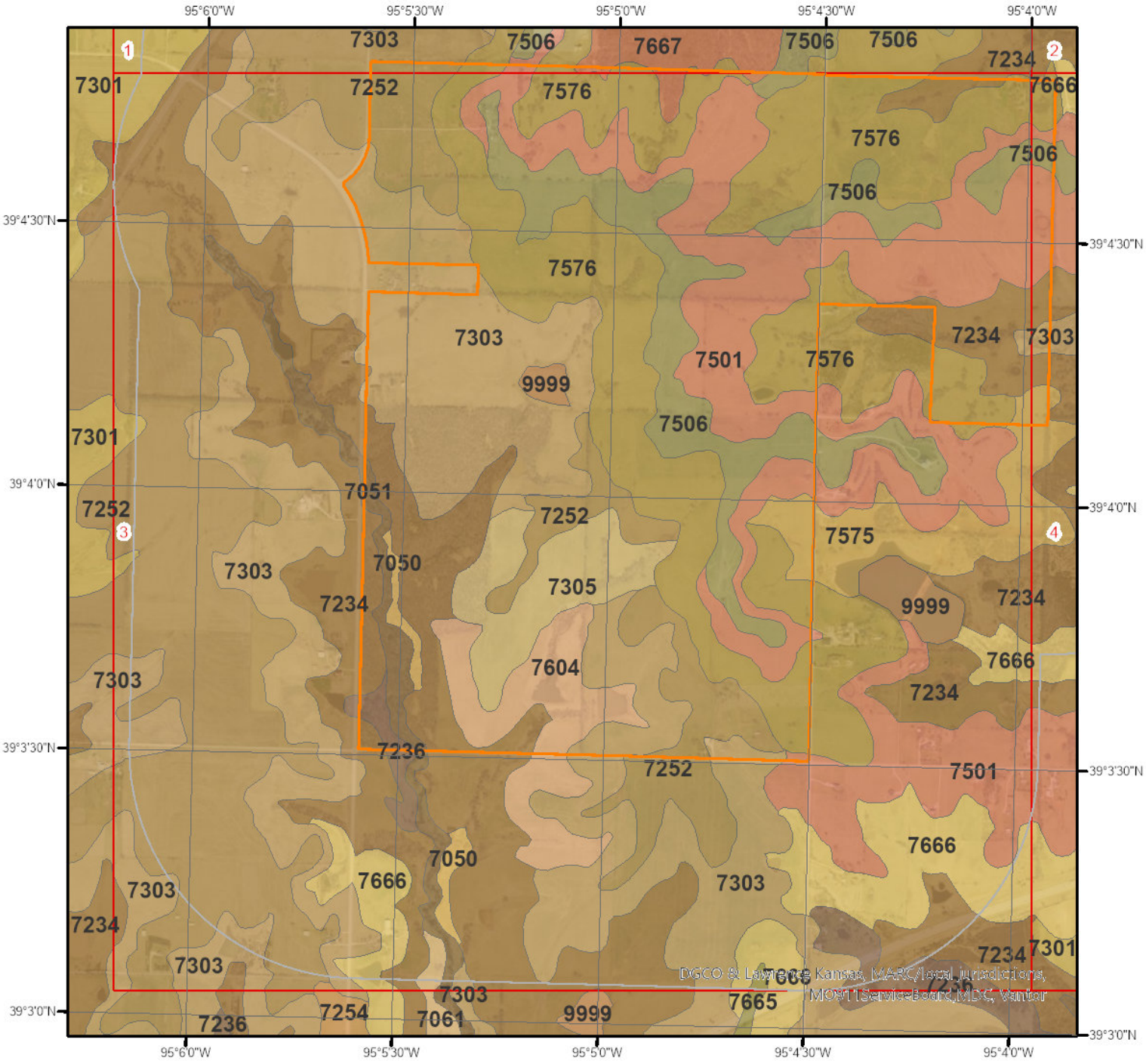
N

0 0.3 0.5 Miles

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

ERIS

Soil Information



SSURGO Soils - Page 3

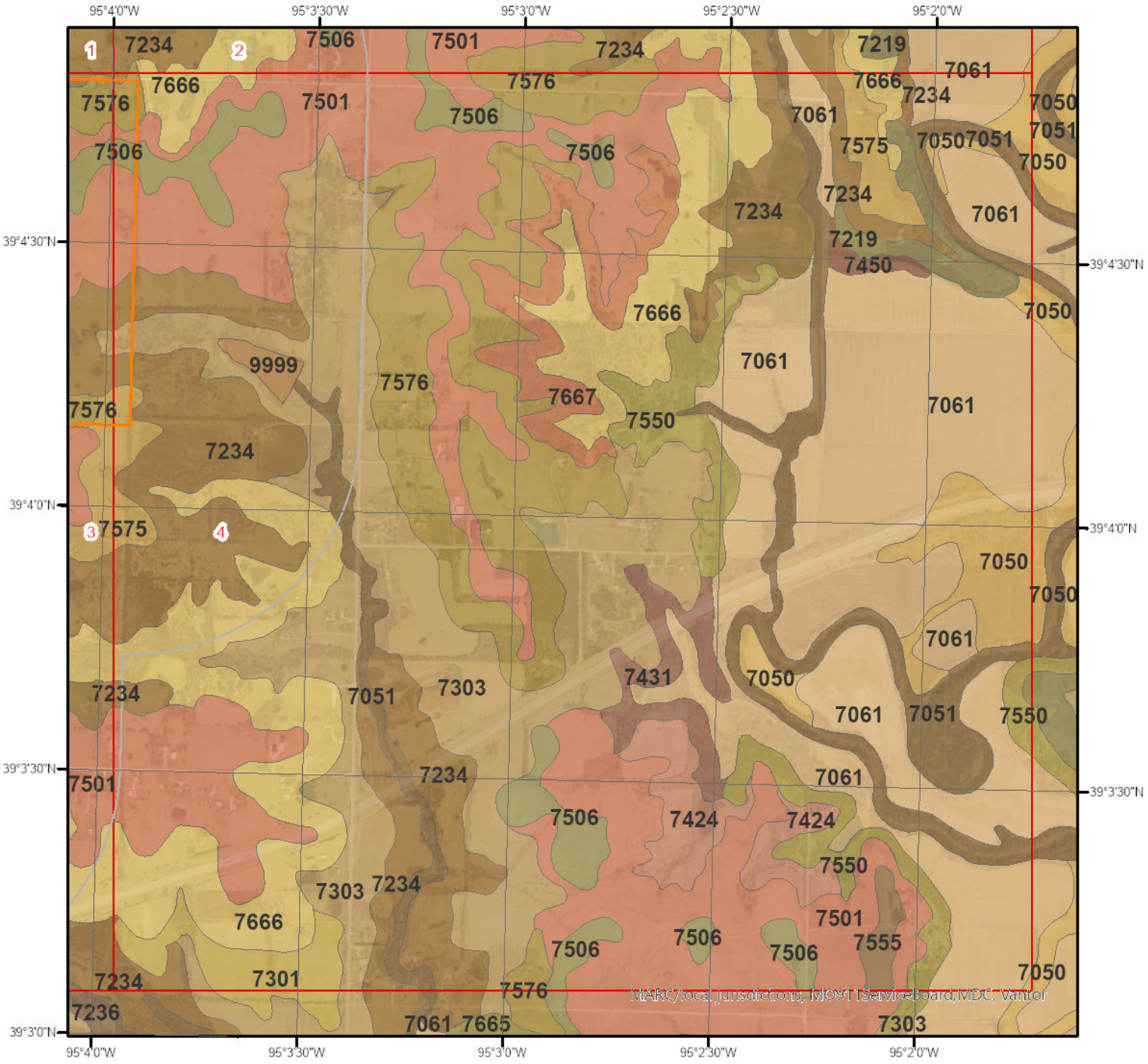
N

0 0.3 0.5 Miles

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

ERIS

Soil Information



SSURGO Soils - Page 4

N

0 0.3 0.5 Miles

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

ERIS

Soil Information

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

Map Unit 7050 (0.28%)

Map Unit Name:	Kennebec silt loam, occasionally flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	107cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Kennebec(85%)

horizon Ap(0cm to 20cm)	Silt loam
horizon A(20cm to 104cm)	Silt loam
horizon AC(104cm to 137cm)	Silty clay loam
horizon C(137cm to 200cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7050 - Kennebec silt loam, occasionally flooded

Component: Kennebec (85%)
The Kennebec component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on flood plains on river valleys. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is moderate. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 42 inches during February, March, April, May. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY070NE Loamy Terrace ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Muscotah (5%)
Generated brief soil descriptions are created for major soil components. The Muscotah soil is a minor component.

Component: Reading (3%)
Generated brief soil descriptions are created for major soil components. The Reading soil is a minor component.

Component: Wabash (3%)
Generated brief soil descriptions are created for major soil components. The Wabash soil is a minor component.

Component: Colo (2%)
Generated brief soil descriptions are created for major soil components. The Colo soil is a minor component.

Component: Olmitz (2%)
Generated brief soil descriptions are created for major soil components. The Olmitz soil is a minor component.

Map Unit 7051 (1.24%)

Map Unit Name:	Kennebec silt loam, frequently flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	107cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Soil Information

Major components are printed below

Kennebec(95%)

horizon Ap(0cm to 20cm)	Silt loam
horizon A(20cm to 104cm)	Silt loam
horizon AC(104cm to 137cm)	Silt loam
horizon C(137cm to 200cm)	Silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7051 - Kennebec silt loam, frequently flooded

Component: Kennebec (95%)
The Kennebec component makes up 95 percent of the map unit. Slopes are 0 to 1 percent. This component is on flood plains on river valleys. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is moderate. This soil is frequently flooded. It is not ponded. A seasonal zone of water saturation is at 42 inches during February, March, April, May. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY013KS Loamy Lowland (pe 30-37) ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Muscotah (5%)
Generated brief soil descriptions are created for major soil components. The Muscotah soil is a minor component.

Map Unit 7061 (0.07%)

Map Unit Name:	Muscotah silty clay loam, occasionally flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	60cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Muscotah(85%)

horizon Ap(0cm to 15cm)	Silty clay loam
horizon A1(15cm to 41cm)	Silty clay loam
horizon A2(41cm to 58cm)	Silty clay loam
horizon Bw1(58cm to 89cm)	Silty clay
horizon Bw2(89cm to 112cm)	Silty clay
horizon Bw3(112cm to 152cm)	Silty clay
horizon Bg(152cm to 200cm)	Silty clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7061 - Muscotah silty clay loam, occasionally flooded

Component: Muscotah (85%)
The Muscotah, occasionally flooded component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on flood-plain steps on valleys. The parent material consists of silty and clayey alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is high. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, May, December. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY070NE Loamy Terrace ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Wabash (5%)

Soil Information

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

Component: Reading (5%)
Generated brief soil descriptions are created for major soil components. The Reading, rarely flooded soil is a minor component.

Component: Kennebec (5%)
Generated brief soil descriptions are created for major soil components. The Kennebec, occasionally flooded soil is a minor component.

Map Unit 7234 (17.35%)

Map Unit Name:	Elmont silt loam, 3 to 7 percent slopes, eroded
Bedrock Depth - Min:	140cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Elmont(85%)

horizon Ap(0cm to 15cm)	Silt loam
horizon A(15cm to 29cm)	Silt loam
horizon Bt(29cm to 70cm)	Silty clay loam
horizon BC(70cm to 102cm)	Silty clay loam
horizon C(102cm to 140cm)	Silty clay loam
horizon Cr(140cm to 150cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7234 - Elmont silt loam, 3 to 7 percent slopes, eroded

Component: Elmont (85%)
The Elmont, eroded component makes up 85 percent of the map unit. Slopes are 3 to 7 percent. This component is on hillslopes on uplands. The parent material consists of residuum weathered from shale. Depth to a root restrictive layer, bedrock, paralithic, is 40 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Martin (5%)
Generated brief soil descriptions are created for major soil components. The Martin, eroded soil is a minor component.

Component: Sibleyville (5%)
Generated brief soil descriptions are created for major soil components. The Sibleyville, eroded soil is a minor component.

Component: Vinland (5%)
Generated brief soil descriptions are created for major soil components. The Vinland, eroded soil is a minor component.

Map Unit 7236 (0.55%)

Map Unit Name:	Elmont silt loam, 7 to 12 percent slopes, eroded
Bedrock Depth - Min:	140cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Soil Information

Major components are printed below

Elmont(85%)

horizon Ap(0cm to 15cm)	Silt loam
horizon A(15cm to 29cm)	Silt loam
horizon Bt(29cm to 70cm)	Silty clay loam
horizon BC(70cm to 102cm)	Silty clay loam
horizon C(102cm to 140cm)	Silty clay loam
horizon Cr(140cm to 150cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7236 - Elmont silt loam, 7 to 12 percent slopes, eroded

Component: Elmont (85%)
The Elmont, eroded component makes up 85 percent of the map unit. Slopes are 7 to 12 percent. This component is on hillslopes on uplands. The parent material consists of residuum weathered from shale. Depth to a root restrictive layer, bedrock, paralithic, is 40 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Sibleyville (5%)
Generated brief soil descriptions are created for major soil components. The Sibleyville, eroded soil is a minor component.

Component: Vinland (5%)
Generated brief soil descriptions are created for major soil components. The Vinland, eroded soil is a minor component.

Component: Martin (5%)
Generated brief soil descriptions are created for major soil components. The Martin, eroded soil is a minor component.

Map Unit 7252 (12.61%)

Map Unit Name:	Grundy silty clay loam, 1 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	36cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Grundy(90%)

horizon Ap(0cm to 15cm)	Silty clay loam
horizon BA(15cm to 28cm)	Silty clay loam
horizon Btg1(28cm to 36cm)	Silty clay
horizon Btg2(36cm to 107cm)	Silty clay
horizon Btg3(107cm to 130cm)	Silty clay loam
horizon C(130cm to 200cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7252 - Grundy silty clay loam, 1 to 3 percent slopes

Component: Grundy (90%)
The Grundy component makes up 90 percent of the map unit. Slopes are 1 to 3 percent. This component is on hillslope hillslopes on uplands uplands. The parent material consists of loess. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60

inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during February, March, April, May. Organic matter content in the surface horizon is about 4 percent. This component is in the R106XY007KS Clay Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Sharpsburg (10%)
Generated brief soil descriptions are created for major soil components. The Sharpsburg soil is a minor component.

Map Unit 7301 (1.14%)

Map Unit Name:	Martin silty clay loam, 1 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	36cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Martin(85%)

horizon Ap(0cm to 15cm)	Silty clay loam
horizon A(15cm to 37cm)	Silty clay loam
horizon Bt1(37cm to 56cm)	Silty clay
horizon Bt2(56cm to 142cm)	Silty clay
horizon BC(142cm to 165cm)	Silty clay loam
horizon C(165cm to 200cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7301 - Martin silty clay loam, 1 to 3 percent slopes

Component: Martin (85%)
The Martin component makes up 85 percent of the map unit. Slopes are 1 to 3 percent. This component is on hillslopes on uplands. The parent material consists of colluvium derived from limestone and shale. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during February, March, April, May. Organic matter content in the surface horizon is about 4 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Woodson (5%)
Generated brief soil descriptions are created for major soil components. The Woodson soil is a minor component.

Component: Pawnee (5%)
Generated brief soil descriptions are created for major soil components. The Pawnee soil is a minor component.

Component: Labette (5%)
Generated brief soil descriptions are created for major soil components. The Labette soil is a minor component.

Map Unit 7303 (18.0%)

Map Unit Name:	Martin silty clay loam, 3 to 7 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	36cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Martin(85%)

horizon Ap(0cm to 15cm)	Silty clay loam
horizon BA(15cm to 30cm)	Silty clay loam
horizon Bt1(30cm to 43cm)	Silty clay
horizon Bt2(43cm to 142cm)	Silty clay
horizon BC(142cm to 165cm)	Silty clay loam
horizon C(165cm to 200cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7303 - Martin silty clay loam, 3 to 7 percent slopes, eroded

Component: Martin (85%)
The Martin, eroded component makes up 85 percent of the map unit. Slopes are 3 to 7 percent. This component is on hillslopes on uplands. The parent material consists of colluvium derived from limestone and shale. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during February, March, April, May. Organic matter content in the surface horizon is about 4 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Clime (5%)
Generated brief soil descriptions are created for major soil components. The Clime, eroded soil is a minor component.

Component: Pawnee (5%)
Generated brief soil descriptions are created for major soil components. The Pawnee, eroded soil is a minor component.

Component: Vinland (5%)
Generated brief soil descriptions are created for major soil components. The Vinland, eroded soil is a minor component.

Map Unit 7305 (1.62%)

Map Unit Name:	Martin silty clay loam, 7 to 12 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	36cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Martin(85%)

horizon Ap(0cm to 15cm)	Silty clay loam
horizon BA(15cm to 28cm)	Silty clay loam
horizon Bt1(28cm to 37cm)	Silty clay
horizon Bt2(37cm to 142cm)	Silty clay
horizon BC(142cm to 165cm)	Silty clay loam
horizon C(165cm to 200cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7305 - Martin silty clay loam, 7 to 12 percent slopes, eroded

Component: Martin (85%)
The Martin, eroded component makes up 85 percent of the map unit. Slopes are 7 to 12 percent. This component is on hillslopes on uplands. The parent material consists of colluvium derived from limestone and shale. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not

ponded. A seasonal zone of water saturation is at 14 inches during February, March, April, May. Organic matter content in the surface horizon is about 4 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Vinland (5%)
Generated brief soil descriptions are created for major soil components. The Vinland, eroded soil is a minor component.

Component: Sibleyville (5%)
Generated brief soil descriptions are created for major soil components. The Sibleyville, eroded soil is a minor component.

Component: Sogn (3%)
Generated brief soil descriptions are created for major soil components. The Sogn, eroded soil is a minor component.

Component: Pawnee (2%)
Generated brief soil descriptions are created for major soil components. The Pawnee, eroded soil is a minor component.

Map Unit 7501 (12.28%)

Map Unit Name:	Pawnee clay loam, 4 to 8 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	36cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Pawnee(85%)

horizon Ap(0cm to 15cm)	Clay loam
horizon A(15cm to 22cm)	Clay loam
horizon Bt1(22cm to 31cm)	Clay
horizon Bt2(31cm to 105cm)	Clay
horizon BC(105cm to 130cm)	Clay loam
horizon C(130cm to 200cm)	Clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7501 - Pawnee clay loam, 4 to 8 percent slopes, eroded

Component: Pawnee (85%)
The Pawnee, eroded component makes up 85 percent of the map unit. Slopes are 4 to 8 percent. This component is on hillslopes on uplands. The parent material consists of till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during March, April, May. Organic matter content in the surface horizon is about 2 percent. This component is in the R106XY074NE Clayey Upland ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Morrill (5%)
Generated brief soil descriptions are created for major soil components. The Morrill, eroded soil is a minor component.

Component: Shelby (4%)
Generated brief soil descriptions are created for major soil components. The Shelby, eroded soil is a minor component.

Component: Grundy (3%)
Generated brief soil descriptions are created for major soil components. The Grundy, eroded soil is a minor component.

Component: Wymore (2%)
Generated brief soil descriptions are created for major soil components. The Wymore, eroded soil is a minor component.

Soil Information

Component: Typic epiaquoll (1%)
Generated brief soil descriptions are created for major soil components. The Typic epiaquoll soil is a minor component.

Map Unit 7506 (5.82%)

Map Unit Name:	Pawnee clay loam, 1 to 4 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	36cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Pawnee(90%)

horizon Ap(0cm to 15cm)	Clay loam
horizon A(15cm to 25cm)	Clay loam
horizon Bt1(25cm to 35cm)	Clay
horizon Bt2(35cm to 115cm)	Clay
horizon BC(115cm to 140cm)	Clay loam
horizon C(140cm to 200cm)	Clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7506 - Pawnee clay loam, 1 to 4 percent slopes, eroded

Component: Pawnee (90%)
The Pawnee, eroded component makes up 90 percent of the map unit. Slopes are 1 to 4 percent. This component is on hillslopes on uplands. The parent material consists of till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 14 inches during March, April, May. Organic matter content in the surface horizon is about 2 percent. This component is in the R106XY074NE Clayey Upland ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Grundy (5%)
Generated brief soil descriptions are created for major soil components. The Grundy, eroded soil is a minor component.

Component: Wymore (5%)
Generated brief soil descriptions are created for major soil components. The Wymore, eroded soil is a minor component.

Map Unit 7575 (2.27%)

Map Unit Name:	Shelby clay loam, 4 to 8 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Shelby(85%)

horizon Ap(0cm to 15cm)	Clay loam
horizon BA(15cm to 26cm)	Clay loam
horizon Bt1(26cm to 32cm)	Clay loam
horizon Bt2(32cm to 110cm)	Clay loam
horizon BC(110cm to 140cm)	Clay loam

horizon C(140cm to 200cm)	Clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7575 - Shelby clay loam, 4 to 8 percent slopes, eroded

Component: Shelby (85%)
The Shelby, eroded component makes up 85 percent of the map unit. Slopes are 4 to 8 percent. This component is on hillslopes on uplands. The parent material consists of till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Elmont (5%)
Generated brief soil descriptions are created for major soil components. The Elmont, eroded soil is a minor component.

Component: Olmitz (5%)
Generated brief soil descriptions are created for major soil components. The Olmitz soil is a minor component.

Component: Pawnee (4%)
Generated brief soil descriptions are created for major soil components. The Pawnee, eroded soil is a minor component.

Component: Aquolls (1%)
Generated brief soil descriptions are created for major soil components. The Aquolls soil is a minor component.

Map Unit 7576 (12.87%)

Map Unit Name:	Shelby clay loam, 8 to 12 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Shelby(91%)

horizon Ap(0cm to 15cm)	Clay loam
horizon BA(15cm to 22cm)	Clay loam
horizon Bt1(22cm to 30cm)	Clay loam
horizon Bt2(30cm to 90cm)	Clay loam
horizon BC(90cm to 120cm)	Clay loam
horizon C(120cm to 200cm)	Clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7576 - Shelby clay loam, 8 to 12 percent slopes, eroded

Component: Shelby (91%)
The Shelby, eroded component makes up 91 percent of the map unit. Slopes are 8 to 12 percent. This component is on hillslopes on uplands. The parent material consists of till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Soil Information

Component: Elmont (3%)
Generated brief soil descriptions are created for major soil components. The Elmont, eroded soil is a minor component.

Component: Olmitz (3%)
Generated brief soil descriptions are created for major soil components. The Olmitz soil is a minor component.

Component: Pawnee (2%)
Generated brief soil descriptions are created for major soil components. The Pawnee, eroded soil is a minor component.

Component: Aquolls (1%)
Generated brief soil descriptions are created for major soil components. The Aquolls soil is a minor component.

Map Unit 7604 (2.32%)

Map Unit Name:	Sibleyville loam, 3 to 7 percent slopes, eroded
Bedrock Depth - Min:	89cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Sibleyville(85%)

horizon Ap(0cm to 18cm)	Loam
horizon BA(18cm to 25cm)	Loam
horizon Bt(25cm to 74cm)	Loam
horizon BC(74cm to 89cm)	Loam
horizon Cr(89cm to 99cm)	Weathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7604 - Sibleyville loam, 3 to 7 percent slopes, eroded

Component: Sibleyville (85%)
The Sibleyville, eroded component makes up 85 percent of the map unit. Slopes are 3 to 7 percent. This component is on hillslopes on uplands. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Vinland (7%)
Generated brief soil descriptions are created for major soil components. The Vinland, eroded soil is a minor component.

Component: Basehor (4%)
Generated brief soil descriptions are created for major soil components. The Basehor, eroded soil is a minor component.

Component: Wamego (4%)
Generated brief soil descriptions are created for major soil components. The Wamego soil is a minor component.

Map Unit 7665 (0.03%)

Map Unit Name:	Vinland-Sibleyville complex, 3 to 7 percent slopes
Bedrock Depth - Min:	43cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained

Soil Information

Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Vinland(50%)	
horizon A(0cm to 20cm)	Silt loam
horizon Bw(20cm to 30cm)	Silty clay loam
horizon C(30cm to 43cm)	Silty clay loam
Sibleyville(35%)	
horizon A(0cm to 15cm)	Loam
horizon BA(15cm to 25cm)	Loam
horizon Bt(25cm to 74cm)	Clay loam
horizon BC(74cm to 89cm)	Clay loam
horizon Cr(89cm to 200cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7665 - Vinland-Sibleyville complex, 3 to 7 percent slopes

Component: Vinland (50%)
The Vinland component makes up 50 percent of the map unit. Slopes are 3 to 7 percent. This component is on hillslopes on uplands. The parent material consists of sandy and silty residuum weathered from shale. Depth to a root restrictive layer, bedrock, paralithic, is 16 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY031NE Shallow Savannah ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Sibleyville (35%)
The Sibleyville component makes up 35 percent of the map unit. Slopes are 3 to 7 percent. This component is on hillslopes on uplands. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, paralithic, is 33 to 36 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Wamego (5%)
Generated brief soil descriptions are created for major soil components. The Wamego soil is a minor component.

Component: Elmont (5%)
Generated brief soil descriptions are created for major soil components. The Elmont soil is a minor component.

Component: Basehor (5%)
Generated brief soil descriptions are created for major soil components. The Basehor soil is a minor component.

Map Unit 7666 (5.01%)

Map Unit Name:	Vinland-Sibleyville complex, 7 to 15 percent slopes
Bedrock Depth - Min:	41cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Vinland(55%)	
horizon A(0cm to 20cm)	Silt loam
horizon Bw(20cm to 30cm)	Silty clay loam

horizon C(30cm to 41cm)	Silty clay loam
Sibleyville(30%)	
horizon Ap(0cm to 15cm)	Loam
horizon BA(15cm to 25cm)	Loam
horizon Bt(25cm to 74cm)	Clay loam
horizon BC(74cm to 89cm)	Clay loam
horizon Cr(89cm to 200cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 7666 - Vinland-Sibleyville complex, 7 to 15 percent slopes

Component: Vinland (55%)
The Vinland component makes up 55 percent of the map unit. Slopes are 5 to 12 percent. This component is on hillslopes on uplands. The parent material consists of sandy and silty residuum weathered from shale. Depth to a root restrictive layer, bedrock, paralithic, is 15 to 18 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY031NE Shallow Savannah ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Sibleyville (30%)
The Sibleyville component makes up 30 percent of the map unit. Slopes are 7 to 12 percent. This component is on hillslopes on uplands. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, paralithic, is 33 to 36 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY015KS Loamy Upland (pe 30-37) ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Wamego (5%)
Generated brief soil descriptions are created for major soil components. The Wamego soil is a minor component.

Component: Basehor (5%)
Generated brief soil descriptions are created for major soil components. The Basehor soil is a minor component.

Component: Elmont (5%)
Generated brief soil descriptions are created for major soil components. The Elmont soil is a minor component.

Map Unit 7667 (5.53%)

Map Unit Name:	Vinland-Rock outcrop complex, 15 to 40 percent slopes
Bedrock Depth - Min:	0cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Vinland(55%)	
horizon A(0cm to 19cm)	Silt loam
horizon Bw(19cm to 30cm)	Silty clay loam
horizon C(30cm to 40cm)	Silty clay loam
Rock outcrop(30%)	
horizon R(0cm to 200cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: 7667 - Vinland-Rock outcrop complex, 15 to 40 percent slopes

Component: Vinland (55%)
The Vinland component makes up 55 percent of the map unit. Slopes are 15 to 40 percent. This component is on hillslopes on uplands. The parent material consists of sandy and silty residuum weathered from shale. Depth to a root restrictive layer, bedrock, paralithic, is 15 to 19 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R106XY031NE Shallow Savannah ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Rock outcrop (30%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop is a miscellaneous area.

Component: Wamego (5%)
Generated brief soil descriptions are created for major soil components. The Wamego soil is a minor component.

Component: Bendena (5%)
Generated brief soil descriptions are created for major soil components. The Bendena soil is a minor component.

Component: Oska (5%)
Generated brief soil descriptions are created for major soil components. The Oska soil is a minor component.

Map Unit 9999 (1.0%)

Map Unit Name: Water

No more attributes available for this map unit

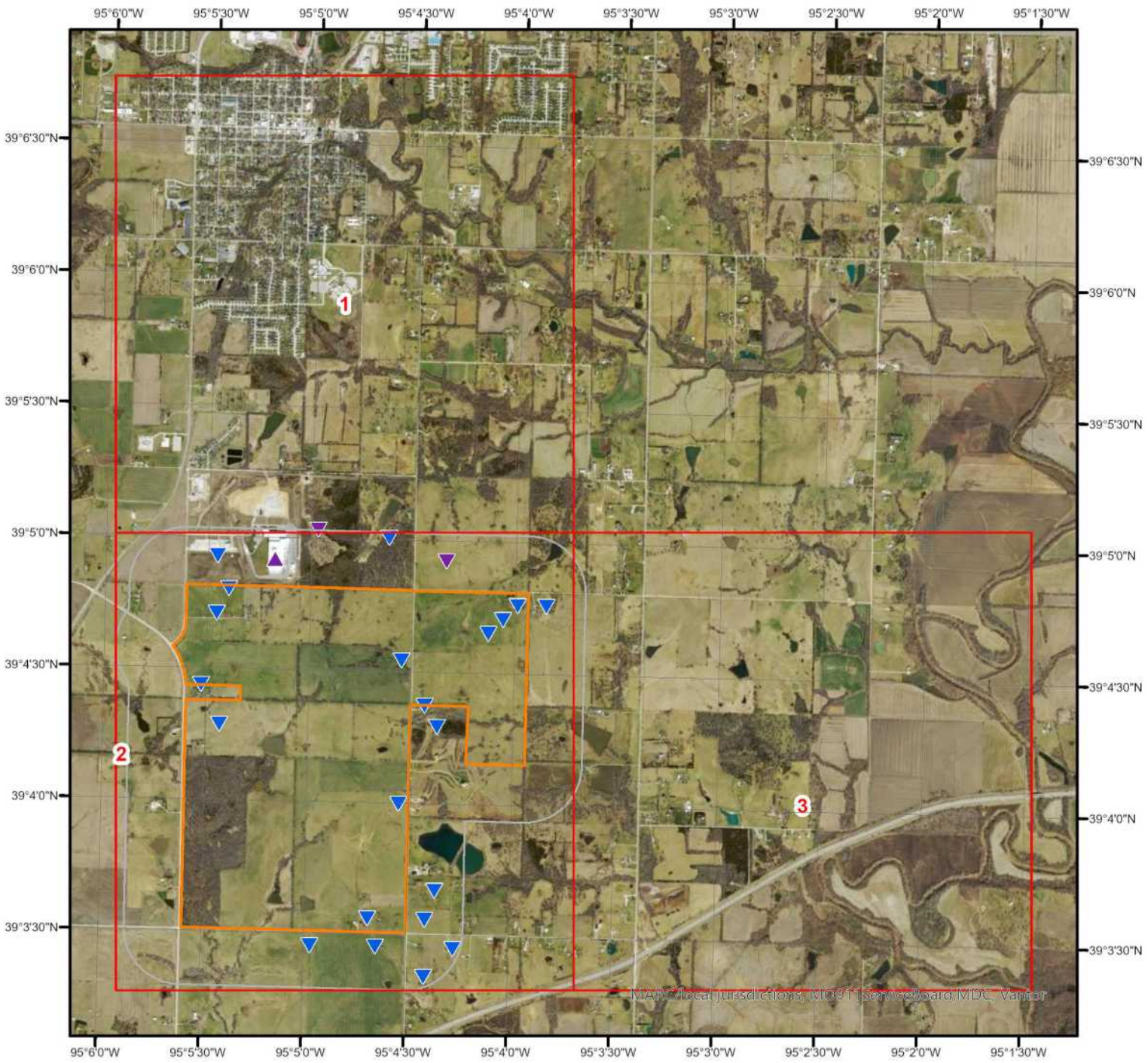
Component Description:

Minor map unit components are excluded from this report.

Map Unit: 9999 - Water

Component: Water (100%)
Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Wells and Additional Sources



Wells & Additional Sources

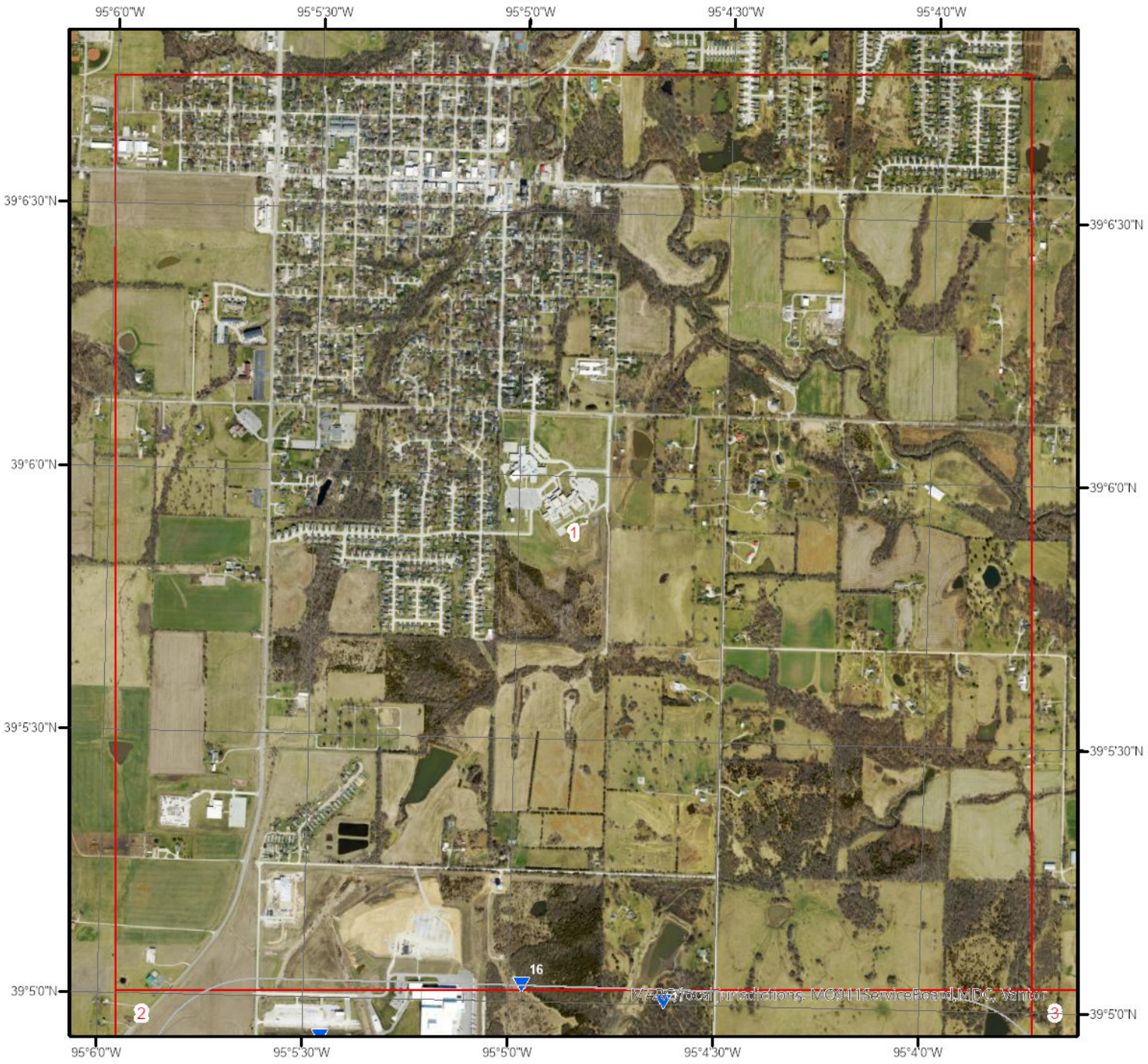
N

0 0.5 1 Miles

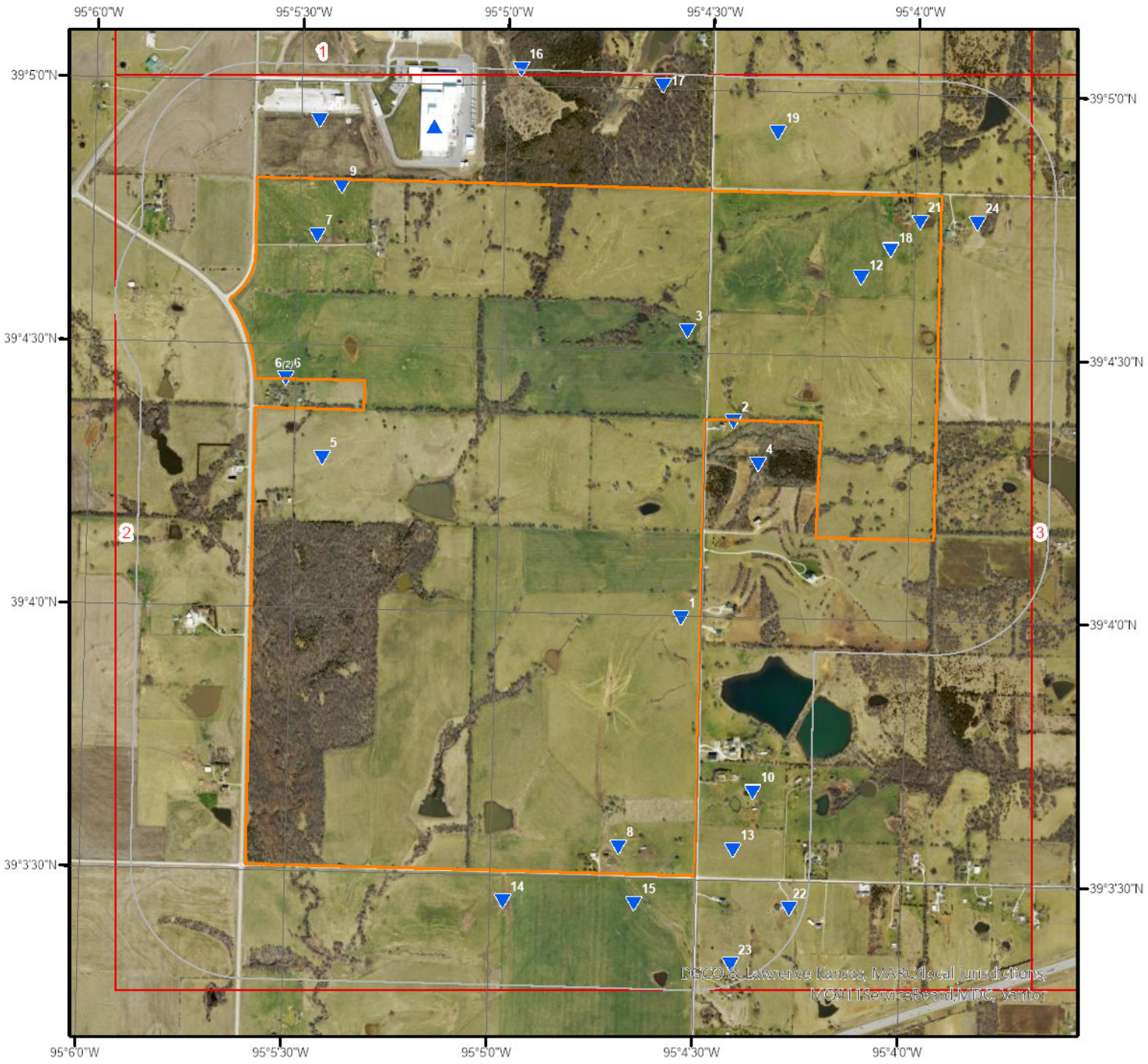
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells and Additional Sources



Wells & Additional Sources - Page 2

0 0.28 0.55 Miles

N

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 3

0 0.28 0.55 Miles

N

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Loc Identifier	Distance (ft)	Direction
5	USGS-390417095052501	0.00	-
9	USGS-390448095052301	0.00	-
10	USGS-390340095042101	646.60	SE
15	USGS-390327095043801	350.86	SSE

State Sources

Oil and Gas Wells

Map Key	KID	Distance (ft)	Direction
11	1002928424	649.86	NNW
16	1002928423	1315.65	N
19	1006732341	675.70	NNE

Water Well Completion Records Database

Map Key	Well ID	Distance (ft)	Direction
1	332570	0.00	-
2	536611	29.02	ENE
3	333981	0.00	-
4	538992	512.01	E
6	367434	2.02	WNW
6	35654	2.02	WNW
7	367432	0.00	-
8	367462	0.00	-
12	35685	0.00	-
13	35669	431.90	SSE
14	333983	367.91	S
17	1056921148	1172.50	NNE
18	367442	0.00	-
20	367433	658.13	NNW
21	35655	0.00	-
22	35686	1154.78	SSE
23	367503	1112.91	SSE
24	347293	421.26	ENE

Wells and Additional Sources Detail Report

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	-	0.00	0.00	923.18	FED USGS

Loc Identifier:	USGS-390417095052501	Well Depth:	160.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	39.0713909899314	Well Hole Depth:	
Longitude:	-95.0905246719801	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	39.0713909899314	Loc HUC Code:	102701040406
Loc Longitude Stnd:	-95.0905246719801	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	11S 21E 21CCCD01		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	-	0.00	0.00	960.20	FED USGS

Loc Identifier:	USGS-390448095052301	Well Depth:	170.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	39.0800020237708	Well Hole Depth:	
Longitude:	-95.0899690219601	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	39.0800020237708	Loc HUC Code:	102701040404
Loc Longitude Stnd:	-95.0899690219601	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	11S 21E 21BC 01		

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

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SE	0.12	646.60	911.24	FED USGS

Loc Identifier:	USGS-390340095042101	Well Depth:	177.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	39.0611134630542	Well Hole Depth:	
Longitude:	-95.0727466845694	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	39.0611134630542	Loc HUC Code:	102701040407
Loc Longitude Stnd:	-95.0727466845694	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	11S 21E 27CBC 01		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	SSE	0.07	350.86	899.77	FED USGS

Loc Identifier:	USGS-390327095043801	Well Depth:	137.0
Date Drilled:		Well Depth Unit:	ft
Latitude:	39.0575023459206	Well Hole Depth:	
Longitude:	-95.0774690254342	Well Hole Dpth Unt:	
Loc Horz Coord Std:	NAD83	Loc Country Name:	United States of America
Loc Latitude Stnd:	39.0575023459206	Loc HUC Code:	102701040407
Loc Longitude Stnd:	-95.0774690254342	Loc Aquifer Code:	
Loc Tribl Land Ind:		Loc Aquifer Conte:	
Loc Tribal Land:		Loc Aquifer Desc:	
Location Welltype:		Alt Loc Identif A:	
Alt Loc Identifier:		Alt Loc Identif B:	
Alt Loc Identif 1:		Alt Loc Identif C:	
Alt Loc Identifi 2:			
Site Type:	Well		
Formation Type:			
Reporting Agency:	U.S. Geological Survey		
Station Name:	11S 21E 28DDC 01		

Oil and Gas Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NNW	0.12	649.86	977.66	OGW

Wells and Additional Sources Detail Report

KID:	1002928424	IP Oil:	
API No:	15-103-21260	IP Gas:	
Well:	2	IP Water:	
Depth:	1313	Field:	WILDCAT
Elev Ref:	GL	Township:	11
Elevation:	974	Township Dire:	S
Surf Elev Lidar:	964.5947	Range:	21
Elev Desc:	ground level	Range Dir:	E
Permit:	23-NOV-1993	Section:	21
Spud:	14-DEC-1993	Spot:	SE NW
Completion:	16-DEC-1993	Feet North:	3300
Plugging:	31-DEC-1993	Feet East:	-3300
Modified:	05-DEC-2005	Foot Ref:	SE
Oil KID:		Long Lat Source:	Calc. from footages
Oil Dor ID:		Latitude:	39.0820318
Gas KID:		Longitude:	-95.0862839
Gas Dor ID:		Status:	D&A
Lease:	Jennings-Irick	Curr Operator:	The Trees Oil Company
Status2:	Plugged and Abandoned	Frmtn at Ttl Dpth:	MISSISSIPPIAN
Orig Operator:	Trees Oil Co.	Lease Well Name:	Jennings-Irick 2
Produce Form:		KCC Docket:	
Status Description:	Dry & abandoned		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	N	0.25	1,315.65	955.22	OGW

KID:	1002928423	IP Oil:	
API No:	15-103-21259	IP Gas:	
Well:	1	IP Water:	
Depth:	701	Field:	WILDCAT
Elev Ref:	GL	Township:	11
Elevation:	940	Township Dire:	S
Surf Elev Lidar:	962.5761	Range:	21
Elev Desc:	ground level	Range Dir:	E
Permit:	20-AUG-1993	Section:	21
Spud:	27-AUG-1993	Spot:	W2 W2 NE
Completion:	31-AUG-1993	Feet North:	3960
Plugging:	31-AUG-1993	Feet East:	-2310
Modified:	03-APR-2003	Foot Ref:	SE
Oil KID:		Long Lat Source:	Calc. from footages
Oil Dor ID:		Latitude:	39.0838381
Gas KID:		Longitude:	-95.082797
Gas Dor ID:		Status:	D&A
Lease:	JENNINGS-IRICK	Curr Operator:	The Trees Oil Company
Status2:	Plugged and Abandoned	Frmtn at Ttl Dpth:	PENNSYLVANIAN SYSTEM

Orig Operator:	Trees Oil Co.	Lease Well Name:	JENNINGS-IRICK 1
Produce Form:		KCC Docket:	
Status Description:	Dry & abandoned		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NNE	0.13	675.70	952.64	OGW

KID:	1006732341	IP Oil:	
API No:	15-103-70086	IP Gas:	
Well:	1	IP Water:	
Depth:	2033	Field:	UNKNOWN
Elev Ref:	TOPO	Township:	11
Elevation:	959	Township Dire:	S
Surf Elev Lidar:	955.4193	Range:	21
Elev Desc:	estimate based on digital model	Range Dir:	E
Permit:		Section:	22
Spud:	20-DEC-1941	Spot:	C SW NW
Completion:	15-MAR-1942	Feet North:	
Plugging:	01-APR-1942	Feet East:	
Modified:	18-DEC-2018	Foot Ref:	
Oil KID:		Long Lat Source:	Calc. from quarter calls
Oil Dor ID:		Latitude:	39.0820036
Gas KID:		Longitude:	-95.0723267
Gas Dor ID:		Status:	D&A
Lease:	LAMING	Curr Operator:	unavailable
Status2:	Plugged and Abandoned	Frmtn at Ttl Dpth:	
Orig Operator:	ED V. JACKSON	Lease Well Name:	LAMING 1
Produce Form:		KCC Docket:	
Status Description:	Dry & abandoned		
Comments:			

Water Well Completion Records Database

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	946.74	WATER WELLS

Well ID:	332570	County:	Leavenworth
Well K ID:	1040443402	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	182	Range Dir:	E
Status:	CONSTRUCTED	Section:	28
Plugged Date:	27-Sep-2002	Spot:	SE SE NE
Well Depth:	195	Longitude:	-95.075822
Well Use:	(unstated)/abandoned	Latitude:	39.0665668
Static Depth:	150	Long Lat Type:	From PLSS

Elev:		NAD83 Longitude:	-95.0760688
Est Yield:	10	NAD83 Latitude:	39.0665691
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	McKie, Paul/Tailgate Ranch
Contam Source Dist:			
Driller:	Strader Drilling Co., Inc.		
Directions:	from Tonganoxie: 2.5 mi S		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=332570		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ENE	0.01	29.02	919.43	WATER WELLS

Well ID:	536611	County:	Leavenworth
Well K ID:	1051713673	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	899	Range Dir:	E
Status:	CONSTRUCTED	Section:	27
Plugged Date:	15-Dec-2020	Spot:	NW NW NW NW
Well Depth:	142	Longitude:	-95.07387
Well Use:	Domestic	Latitude:	39.07283
Static Depth:	66	Long Lat Type:	GPS
Elev:	922	NAD83 Longitude:	-95.0741102
Est Yield:	4	NAD83 Latitude:	39.072831
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Lunsford, Austin
Contam Source Dist:			
Driller:	Digger Jim		
Directions:	16490 214th St, Tonganoxie		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=536611		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	-	0.00	0.00	961.31	WATER WELLS

Well ID:	333981	County:	Leavenworth
Well K ID:	1040444804	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	182	Range Dir:	E
Status:	CONSTRUCTED	Section:	21
Plugged Date:	01-Oct-2002	Spot:	NE SE SE
Well Depth:	207	Longitude:	-95.075822
Well Use:	Domestic	Latitude:	39.0756723
Static Depth:	144	Long Lat Type:	From PLSS
Elev:		NAD83 Longitude:	-95.0760686
Est Yield:	15	NAD83 Latitude:	39.0756745

Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Tailgate Ranch
Contam Source Dist:			
Driller:	Strader Drilling Co., Inc.		
Directions:	from Tonganoxie: 2.75 mi S		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=333981		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	E	0.10	512.01	919.86	WATER WELLS

Well ID:	538992	County:	Leavenworth
Well K ID:	1051799504	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	760	Range Dir:	E
Status:	CONSTRUCTED	Section:	27
Plugged Date:	06-Dec-2020	Spot:	SE NW NW NW
Well Depth:	156	Longitude:	-95.0728281
Well Use:	Domestic	Latitude:	39.0715017
Static Depth:	102	Long Lat Type:	GPS
Elev:	924	NAD83 Longitude:	-95.073079
Est Yield:	30	NAD83 Latitude:	39.071505
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Conover, Ann
Contam Source Dist:			
Driller:	Associated Drilling, Inc.		
Directions:	Lot 2, 214th St, Tonganoxie		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=538992		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	WNW	0.00	2.02	934.18	WATER WELLS

Well ID:	367434	County:	Leavenworth
Well K ID:	1040486357	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:		Range Dir:	E
Status:	CONSTRUCTED	Section:	21
Plugged Date:	14-Aug-1972	Spot:	SW SW SW
Well Depth:	160	Longitude:	-95.0920722
Well Use:	Domestic	Latitude:	39.0738888
Static Depth:	90	Long Lat Type:	From PLSS
Elev:	928	NAD83 Longitude:	-95.0923191
Est Yield:	20	NAD83 Latitude:	39.0738909
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Nichols, H.T.

Contam Source Dist:
Driller: Breuer Drilling Co.
Directions: Tonganoxie
URL: https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=367434

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	WNW	0.00	2.02	934.18	WATER WELLS

Well ID:	35654	County:	Leavenworth
Well K ID:	1040198907	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	182	Range Dir:	E
Status:	CONSTRUCTED	Section:	21
Plugged Date:	16-Jan-1990	Spot:	SW SW SW
Well Depth:	140	Longitude:	-95.0920722
Well Use:	Domestic	Latitude:	39.0738888
Static Depth:	75	Long Lat Type:	From PLSS
Elev:		NAD83 Longitude:	-95.0923191
Est Yield:	25	NAD83 Latitude:	39.0738909
Contam Source Type:	Septic Tank	Scanned:	Yes
Contam Source Dir:		Owner:	Tailgate Ranch
Contam Source Dist:	0		
Driller:	Strader Drilling Co., Inc.		
Directions:	from Tonganoxie: 1.75 mi S		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=35654		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	-	0.00	0.00	960.29	WATER WELLS

Well ID:	367432	County:	Leavenworth
Well K ID:	1040483329	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:		Range Dir:	E
Status:	CONSTRUCTED	Section:	21
Plugged Date:	01-Jun-1956	Spot:	NW SW
Well Depth:	195	Longitude:	-95.0909199
Well Use:	Domestic	Latitude:	39.078425
Static Depth:	130	Long Lat Type:	From PLSS
Elev:	958	NAD83 Longitude:	-95.0911668
Est Yield:	50	NAD83 Latitude:	39.0784271
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Hale, Hugh
Contam Source Dist:			
Driller:	Breuer Drilling Co.		

Directions: Tonganoxie
URL: https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=367432

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	-	0.00	0.00	912.52	WATER WELLS

Well ID:	367462	County:	Leavenworth
Well K ID:	1040488571	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:		Range Dir:	E
Status:	CONSTRUCTED	Section:	28
Plugged Date:	25-Oct-1972	Spot:	SW SE SE
Well Depth:	137	Longitude:	-95.0781455
Well Use:	Domestic	Latitude:	39.0592764
Static Depth:	80	Long Lat Type:	From PLSS
Elev:	913	NAD83 Longitude:	-95.0783924
Est Yield:	6	NAD83 Latitude:	39.0592787
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Tailgate Ranch
Contam Source Dist:			
Driller:	Breuer Drilling Co.		
Directions:			
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=367462		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	-	0.00	0.00	947.30	WATER WELLS

Well ID:	35685	County:	Leavenworth
Well K ID:	1040199243	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	174	Range Dir:	E
Status:	CONSTRUCTED	Section:	22
Plugged Date:	27-May-1977	Spot:	SW NE SW
Well Depth:	160	Longitude:	-95.0688178
Well Use:	Domestic	Latitude:	39.0774716
Static Depth:	80	Long Lat Type:	From PLSS
Elev:	940	NAD83 Longitude:	-95.0690643
Est Yield:	7.5	NAD83 Latitude:	39.0774738
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	McKie, Paul
Contam Source Dist:	0		
Driller:	Raphael Breuer, Inc.		
Directions:	from Tonganoxie: 3 mi S		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=35685		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	SSE	0.08	431.90	938.76	WATER WELLS

Well ID:	35669	County:	Leavenworth
Well K ID:	1040199211	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	316	Range Dir:	E
Status:	CONSTRUCTED	Section:	27
Plugged Date:	25-Jun-1988	Spot:	SW SW SW
Well Depth:	147	Longitude:	-95.0734953
Well Use:	Domestic	Latitude:	39.0592644
Static Depth:	105	Long Lat Type:	From PLSS
Elev:		NAD83 Longitude:	-95.0737421
Est Yield:	4	NAD83 Latitude:	39.0592667
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Garner, Bill
Contam Source Dist:	0		
Driller:	Jack W. Robison Well Drilling		
Directions:	from Tonganoxie: 3 mi S		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=35669		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	S	0.07	367.91	914.04	WATER WELLS

Well ID:	333983	County:	Leavenworth
Well K ID:	1040444808	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	182	Range Dir:	E
Status:	CONSTRUCTED	Section:	33
Plugged Date:	02-Oct-2002	Spot:	NW NW NE
Well Depth:	133	Longitude:	-95.0827939
Well Use:	Domestic	Latitude:	39.0574801
Static Depth:	110	Long Lat Type:	From PLSS
Elev:		NAD83 Longitude:	-95.0830409
Est Yield:	5	NAD83 Latitude:	39.0574824
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Tailgate Ranch
Contam Source Dist:			
Driller:	Strader Drilling Co., Inc.		
Directions:	from Tonganoxie: 3 mi S		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=333983		

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

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	NNE	0.22	1,172.50	924.70	WATER WELLS

Well ID:	1056921148	County:	Leavenworth
Well K ID:	1056925873	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	1011	Range Dir:	E
Status:	CONSTRUCTED	Section:	21
Plugged Date:	14-Jul-2025	Spot:	NW SE NE
Well Depth:	145	Longitude:	-95.0770278
Well Use:	Domestic	Latitude:	39.0834057
Static Depth:	56	Long Lat Type:	GPS
Elev:	916	NAD83 Longitude:	-95.077275
Est Yield:	20	NAD83 Latitude:	39.083408
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Euston, Mark
Contam Source Dist:			
Driller:	Evans Energy Development #1011		
Directions:	21589 Kansas Ave, Tonganoxie		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=1056921148		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	-	0.00	0.00	931.40	WATER WELLS

Well ID:	367442	County:	Leavenworth
Well K ID:	1040483442	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:		Range Dir:	E
Status:	CONSTRUCTED	Section:	22
Plugged Date:	19-Mar-1957	Spot:	NE SW
Well Depth:	150	Longitude:	-95.0676509
Well Use:	(unstated)/abandoned	Latitude:	39.078373
Static Depth:	75	Long Lat Type:	From PLSS
Elev:	920	NAD83 Longitude:	-95.0678974
Est Yield:	9	NAD83 Latitude:	39.0783752
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Grafe, John
Contam Source Dist:			
Driller:	Breuer Drilling Co.		
Directions:	Tonganoxie		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=367442		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NNW	0.12	658.13	941.20	WATER WELLS

Wells and Additional Sources Detail Report

Well ID:	367433	County:	Leavenworth
Well K ID:	1040485178	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:		Range Dir:	E
Status:	CONSTRUCTED	Section:	21
Plugged Date:	07-Apr-1971	Spot:	SW NW
Well Depth:	170	Longitude:	-95.0909267
Well Use:	Domestic	Latitude:	39.0820555
Static Depth:	100	Long Lat Type:	From PLSS
Elev:	933	NAD83 Longitude:	-95.0911735
Est Yield:	20	NAD83 Latitude:	39.0820576
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Knox, Alfred
Contam Source Dist:			
Driller:	Breuer Drilling Co.		
Directions:	Tonganoxie		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=367433		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	-	0.00	0.00	914.83	WATER WELLS

Well ID:	35655	County:	Leavenworth
Well K ID:	1040198909	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	174	Range Dir:	E
Status:	CONSTRUCTED	Section:	22
Plugged Date:	16-Jul-1981	Spot:	NE NE SW
Well Depth:	159	Longitude:	-95.0664847
Well Use:	Domestic	Latitude:	39.0792735
Static Depth:	98	Long Lat Type:	From PLSS
Elev:	941	NAD83 Longitude:	-95.0667311
Est Yield:	15	NAD83 Latitude:	39.0792758
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Morgan, Joe
Contam Source Dist:	0		
Driller:	Raphael Breuer, Inc.		
Directions:	from Tonganoxie: 1 mi E, 1 mi S		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=35655		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SSE	0.22	1,154.78	887.88	WATER WELLS

Well ID:	35686	County:	Leavenworth

Well K ID:	1040199245	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	174	Range Dir:	E
Status:	CONSTRUCTED	Section:	34
Plugged Date:	09-May-1987	Spot:	NE NW NW
Well Depth:	116	Longitude:	-95.0711665
Well Use:	Domestic	Latitude:	39.0574516
Static Depth:	30	Long Lat Type:	From PLSS
Elev:		NAD83 Longitude:	-95.0714132
Est Yield:	7	NAD83 Latitude:	39.057454
Contam Source Type:	Septic Tank	Scanned:	Yes
Contam Source Dir:		Owner:	Wenzel, Dale
Contam Source Dist:	0		
Driller:	Raphael Breuer, Inc.		
Directions:	from Tonganoxie: 3 mi S, .5 mi E		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=35686		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SSE	0.21	1,112.91	893.41	WATER WELLS

Well ID:	367503	County:	Leavenworth
Well K ID:	1040539298	Township:	11
Other ID:		Twn Dir:	S
DWR No:		Range:	21
Contractors Lic No:	174	Range Dir:	E
Status:	CONSTRUCTED	Section:	34
Plugged Date:	29-Aug-1959	Spot:	SW NW NW
Well Depth:	150	Longitude:	-95.0735011
Well Use:	Domestic	Latitude:	39.0556416
Static Depth:	70	Long Lat Type:	From PLSS
Elev:		NAD83 Longitude:	-95.0737479
Est Yield:	6	NAD83 Latitude:	39.055644
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Wickey, Elmer
Contam Source Dist:			
Driller:	Raphael Breuer, Inc.		
Directions:	Tonganoxie		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=367503		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	ENE	0.08	421.26	915.76	WATER WELLS

Well ID:	347293	County:	Leavenworth
Well K ID:	1040464071	Township:	11
Other ID:		Twn Dir:	S

Wells and Additional Sources Detail Report

DWR No:		Range:	21
Contractors Lic No:	182	Range Dir:	E
Status:	CONSTRUCTED	Section:	22
Plugged Date:	06-May-2004	Spot:	NW NW SE
Well Depth:	162	Longitude:	-95.0641486
Well Use:	Domestic	Latitude:	39.0792677
Static Depth:	122	Long Lat Type:	From PLSS
Elev:		NAD83 Longitude:	-95.064395
Est Yield:	12	NAD83 Latitude:	39.07927
Contam Source Type:		Scanned:	Yes
Contam Source Dir:		Owner:	Baragary, Wayne
Contam Source Dist:			
Driller:	Strader Drilling Co., Inc.		
Directions:	from Tonganoxie: 1.5 mi S		
URL:	https://chasm.kgs.ku.edu/ords/wwc5.wwc5d2.well_details?well_id=347293		

Radon Information

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

Federal EPA Radon Zone for *LEAVENWORTH* County: **1**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *LEAVENWORTH* County

No Measures/Homes:	28
Geometric Mean:	1.6
Arithmetic Mean:	2.5
Median:	2
Standard Deviation:	2
Maximum:	7.3
% >4 pCi/L:	18
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Kansas conducted during 1986-87. Data represent 2-7 day charcoal canister measurements from the lowest level of each home ested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

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

Indoor Radon Data — **INDOOR RADON**

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

Public Water Systems Violations and Enforcement Data — **PWSV**

This list of drinking water violations and enforcement actions is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database, as part of the national download of Safe Drinking Water Act (SDWA) data. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program, including monitoring, enforcement, and violation data related to requirements established by the SWDA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

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

Safe Drinking Water Information System (SDWIS) — **SDWIS**

This national download of Safe Drinking Water Act (SDWA) data is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program related to requirements established by the Safe Drinking Water Act (SDWA). Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

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

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

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

USGS Current Topo — **US TOPO**

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

USGS Geology — **US GEOLOGY**

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

USGS National Water Information System — **FED USGS**

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

is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). WQX3.0 is the newest version of the data standard that is delivered from the WQP, and this updated version holds new profiles containing USGS data added since March 11, 2024 sourced from their beta version website.

State Sources

Oil and Gas Wells **OGW**

List of Oil and Gas well records in Kansas made available by the Kansas Geological Survey.

Water Well Completion Records Database **WATER WELLS**

The Water Well Completion Records (WWC5) is provided by Kansas Geological Survey.

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HISTORICAL DOCUMENTATION: TOPOGRAPHIC MAPS

TOPOGRAPHIC MAPS

Project Property:	Vacant Land
	Vacant Land Tonganoxie KS 66086
Project No:	06032790-3
Requested By:	Intertek PSI
Order No:	26071000971
Date Completed:	July 11, 2026

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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

Year	Map Series
1951	7.5
1970	7.5
1978	7.5
2009	7.5
2012	7.5
2016	7.5
2018	7.5
2022	7.5

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

Pre-1947

Page 223 of 1918 Topographic Instructions

Page 130 of 1928 Topographic Instructions

1947-2009

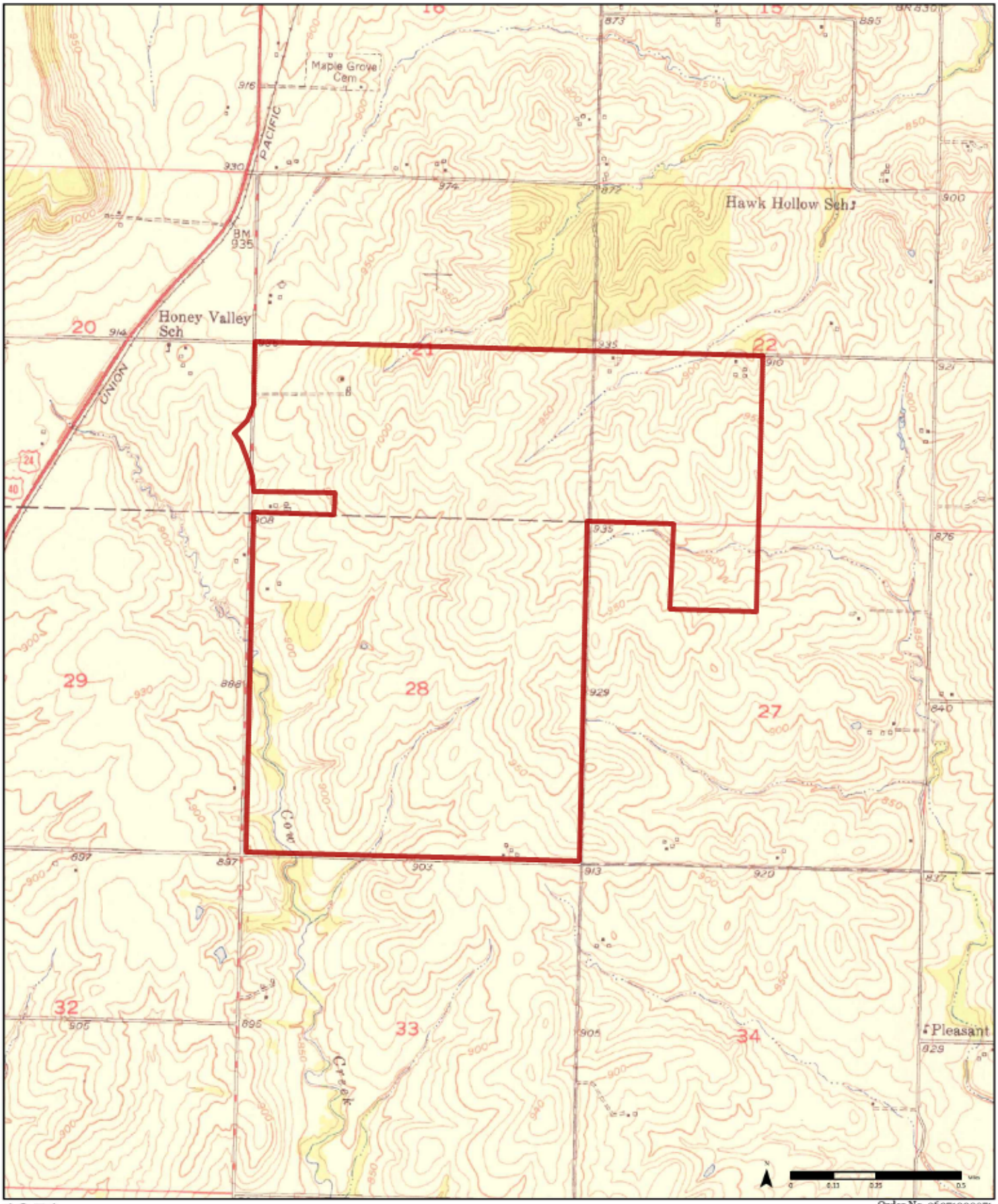
Topographic Map Symbols

2009-present

US Topo Map Symbols

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

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1951 (1-1951)

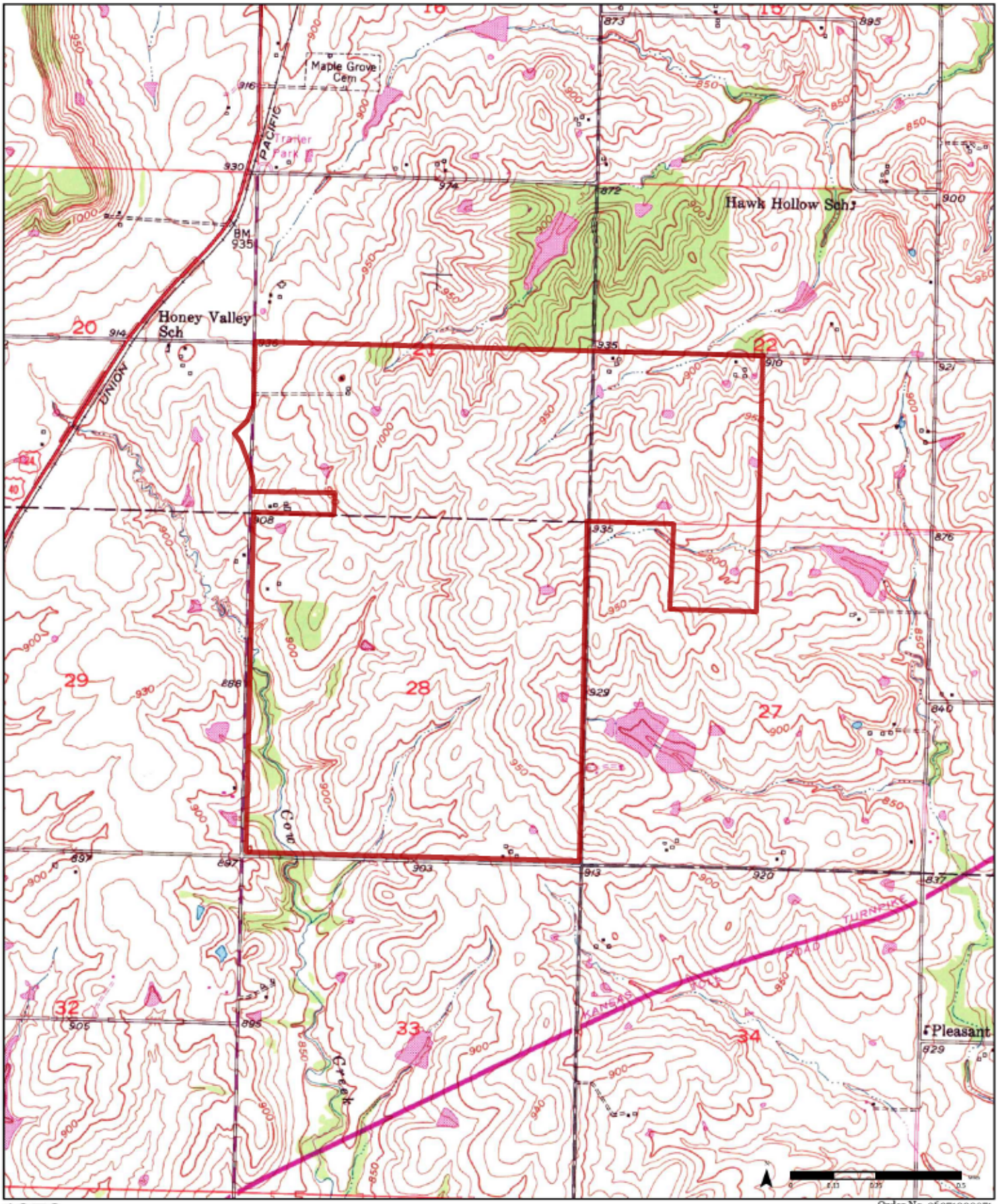
Aerial Photo Year: 1948

Order No. 26071000971

Available Quadrangle(s): Tonganoxie, KS(1-1951)



Source: USGS 7.5 Minute Topographic Map



1970 (1-1970)

Aerial Photo Year: 1970

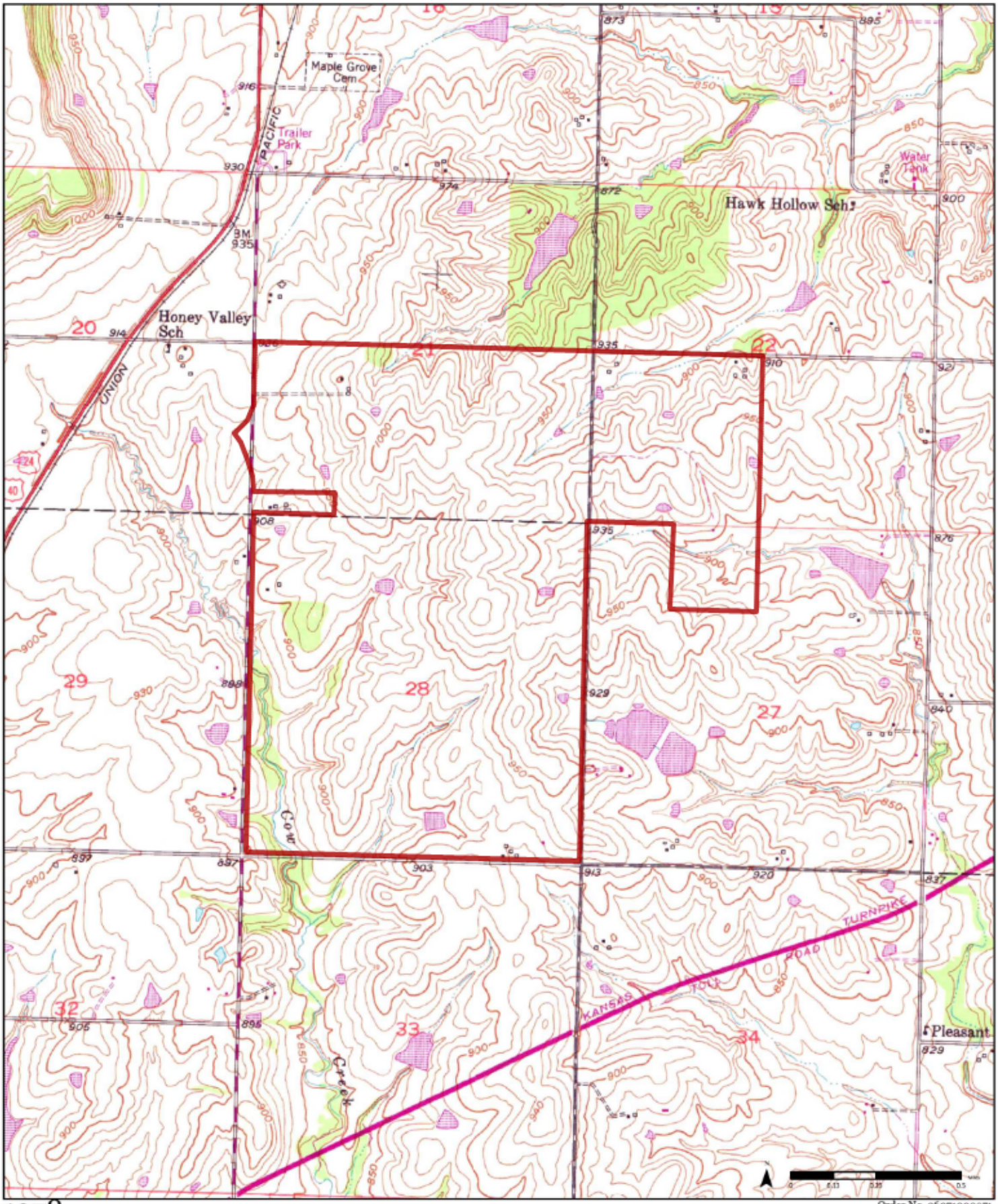
Photo Revision Year: 1970

Order No. 26071000971

Available Quadrangle(s): Tonganoxie, KS(1-1970)



Source: USGS 7.5 Minute Topographic Map



1978 (1-1978)

Aerial Photo Year: 1977

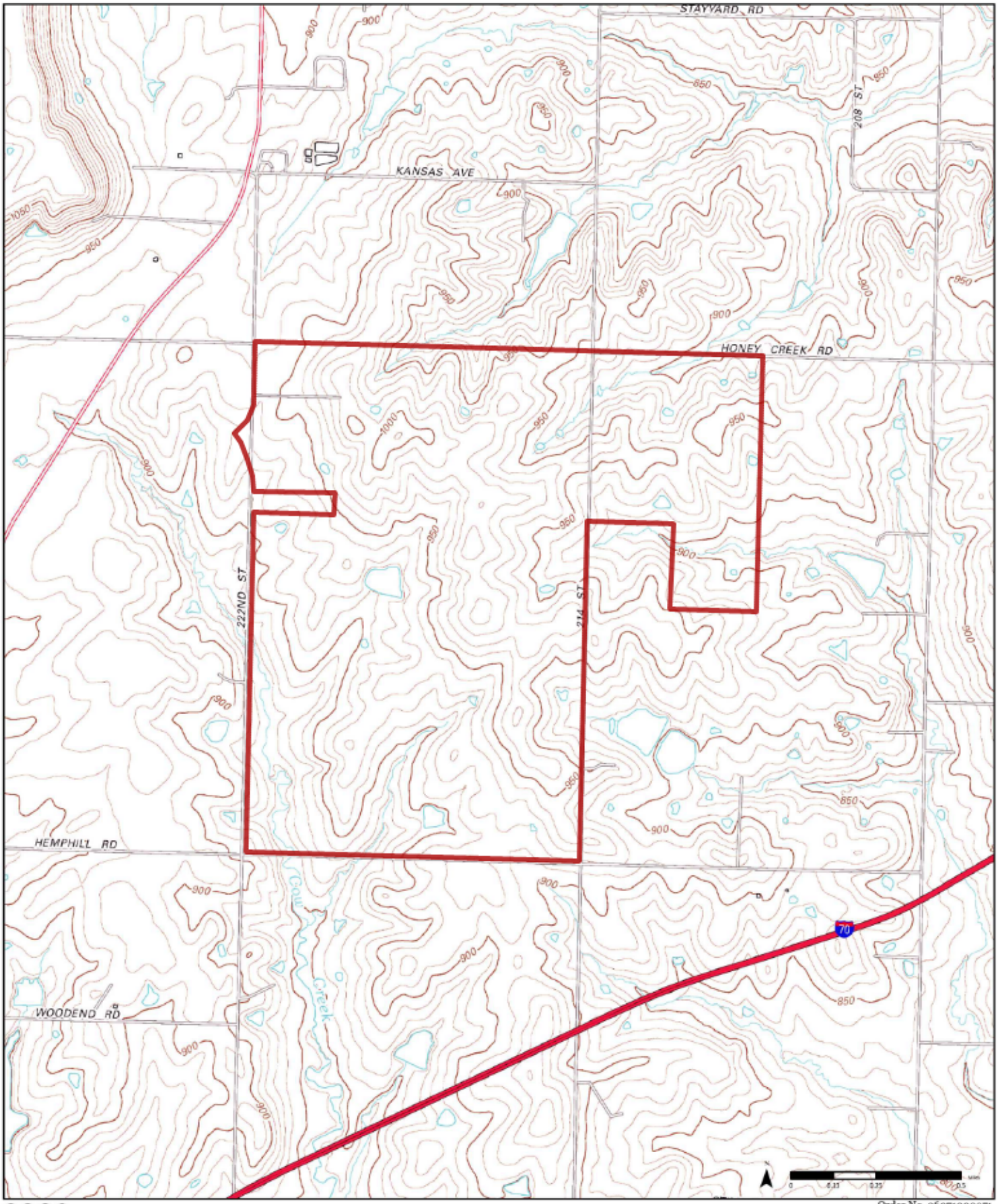
Photo Revision Year: 1978

Order No. 26071000971

Available Quadrangle(s): Tonganoxie, KS(1-1978)



Source: USGS 7.5 Minute Topographic Map



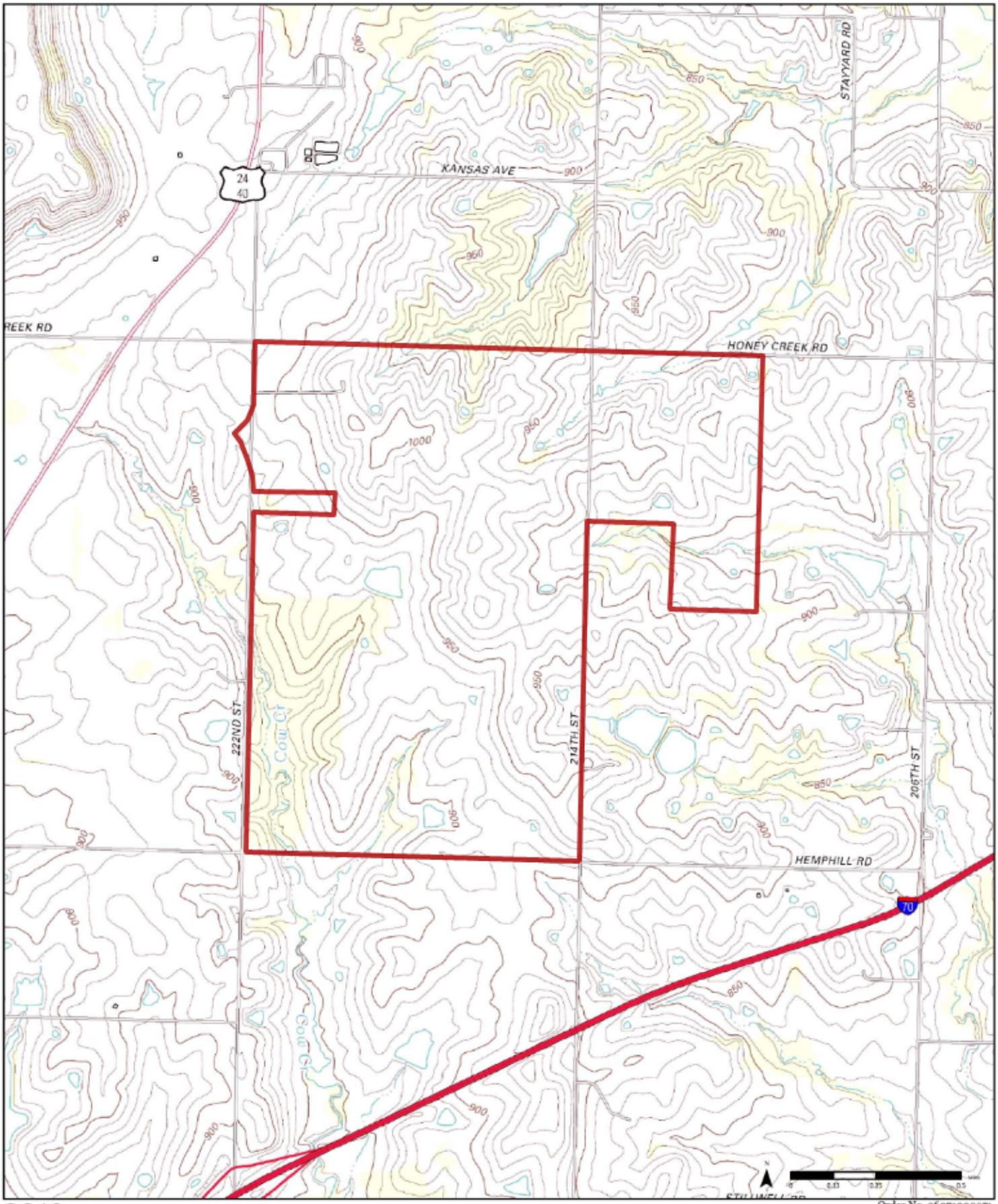
2009

Order No. 26071000971

Available Quadrangle(s): Tonganoxie, KS



Source: USGS 7.5 Minute Topographic Map



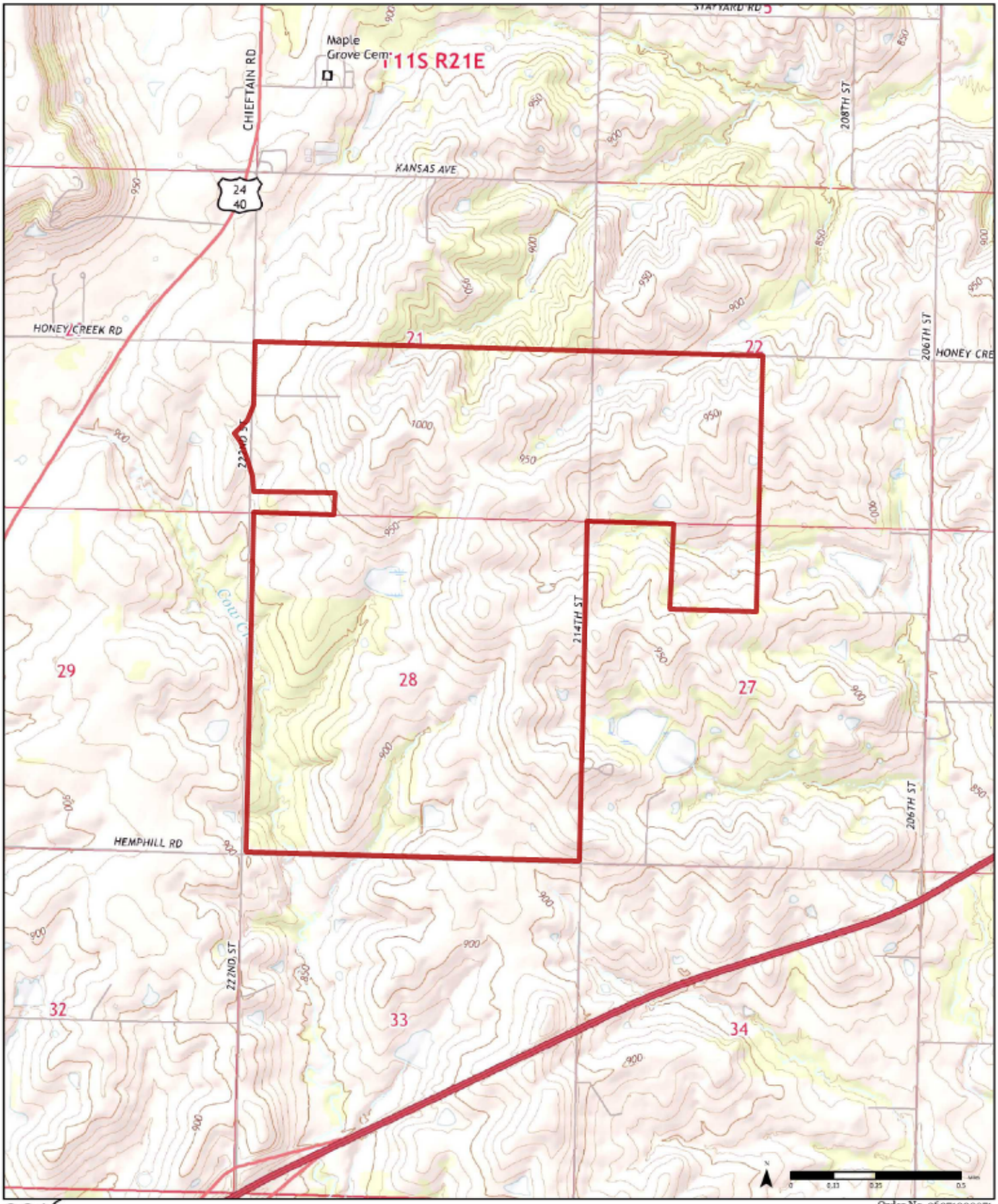
2012

Order No. 26071000971

Available Quadrangle(s): Tonganoxie, KS



Source: USGS 7.5 Minute Topographic Map



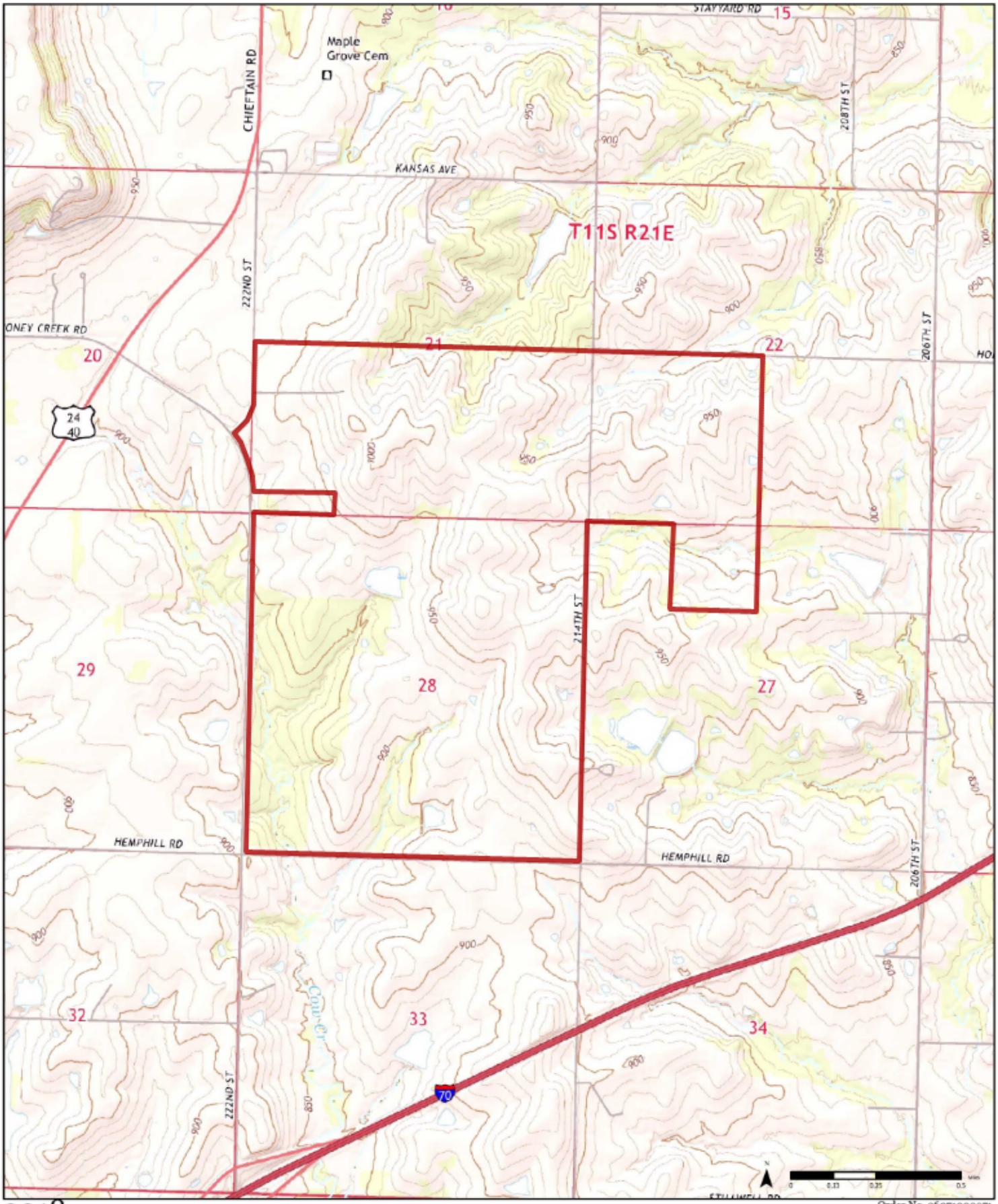
2016

Order No. 26071000971

Available Quadrangle(s): Tonganoxie, KS

Tonganoxie

Source: USGS 7.5 Minute Topographic Map



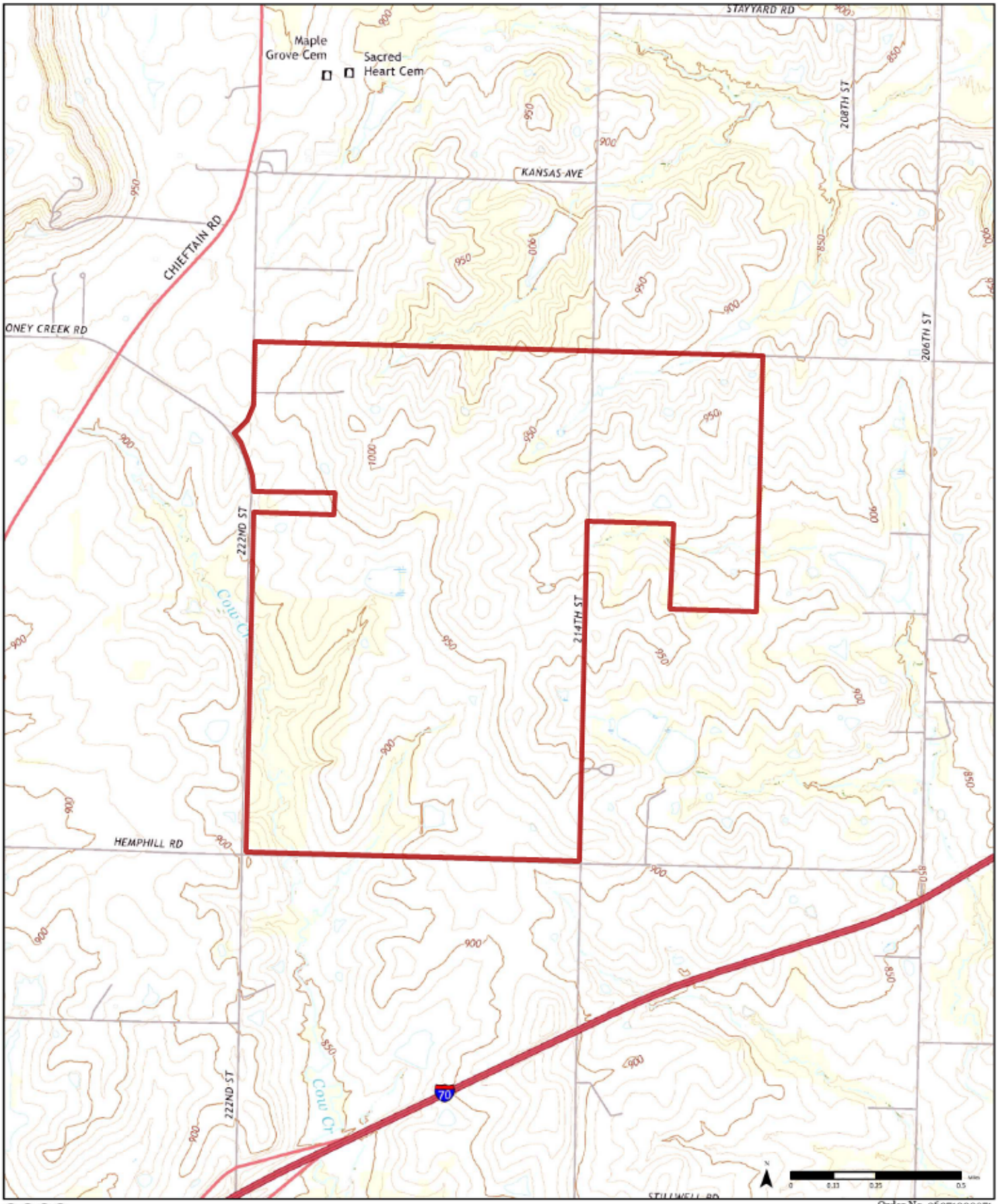
2018

Order No. 26071000971

Available Quadrangle(s): Tonganoxie, KS

Tonganoxie

Source: USGS 7.5 Minute Topographic Map



2022

Order No. 26071000971

Available Quadrangle(s): Tonganoxie, KS



Source: USGS 7.5 Minute Topographic Map

HISTORICAL DOCUMENTATION: AERIAL PHOTOGRAPHS

HISTORICAL AERIALS

Project Property: Vacant Land
Vacant Land
Tonganoxie KS 66086

Project No: 06032790-3

Requested By: Intertek PSI

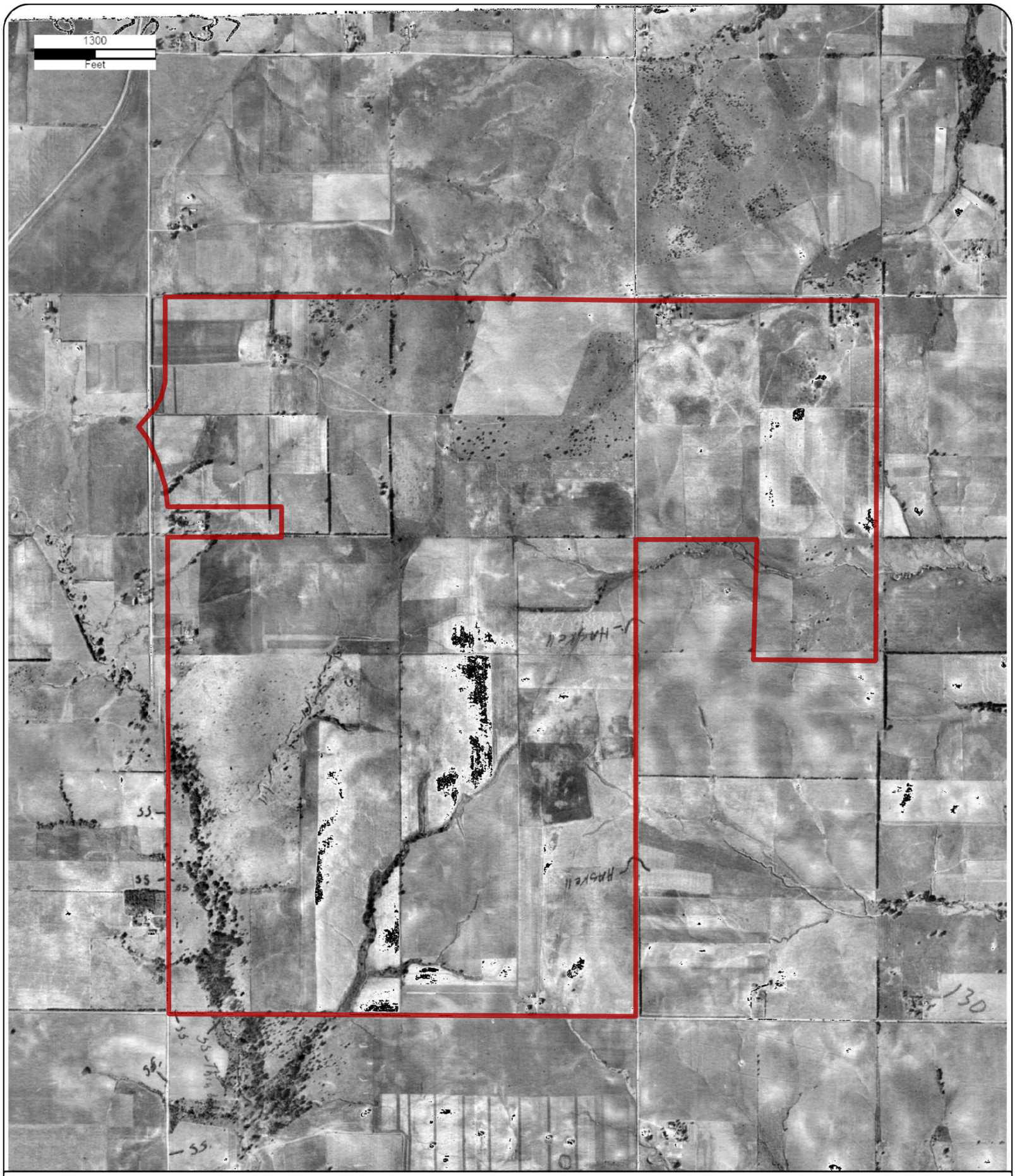
Order No: 26071000971

Date Completed: July 14,2026

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Date	Source	Scale	Comments
1937	Agricultural Stabilization & Conserv. Service	1" = 1300'	
1948	United States Geological Survey	1" = 1300'	
1959	Agricultural Stabilization & Conserv. Service	1" = 1300'	
1967	United States Geological Survey	1" = 1300'	
1977	United States Geological Survey	1" = 1300'	
1985	United States Geological Survey	1" = 1300'	
1991	United States Geological Survey	1" = 1300'	
2002	United States Geological Survey	1" = 1300'	
2003	United States Department of Agriculture	1" = 1300'	
2004	United States Department of Agriculture	1" = 1300'	
2005	United States Department of Agriculture	1" = 1300'	
2006	United States Department of Agriculture	1" = 1300'	
2008	United States Department of Agriculture	1" = 1300'	
2010	United States Department of Agriculture	1" = 1300'	
2012	United States Department of Agriculture	1" = 1300'	
2014	United States Department of Agriculture	1" = 1300'	
2015	United States Department of Agriculture	1" = 1300'	
2017	United States Department of Agriculture	1" = 1300'	
2019	United States Department of Agriculture	1" = 1300'	
2021	United States Department of Agriculture	1" = 1300'	
2023	United States Department of Agriculture	1" = 1300'	
2025	United States Department of Agriculture	1" = 1300'	

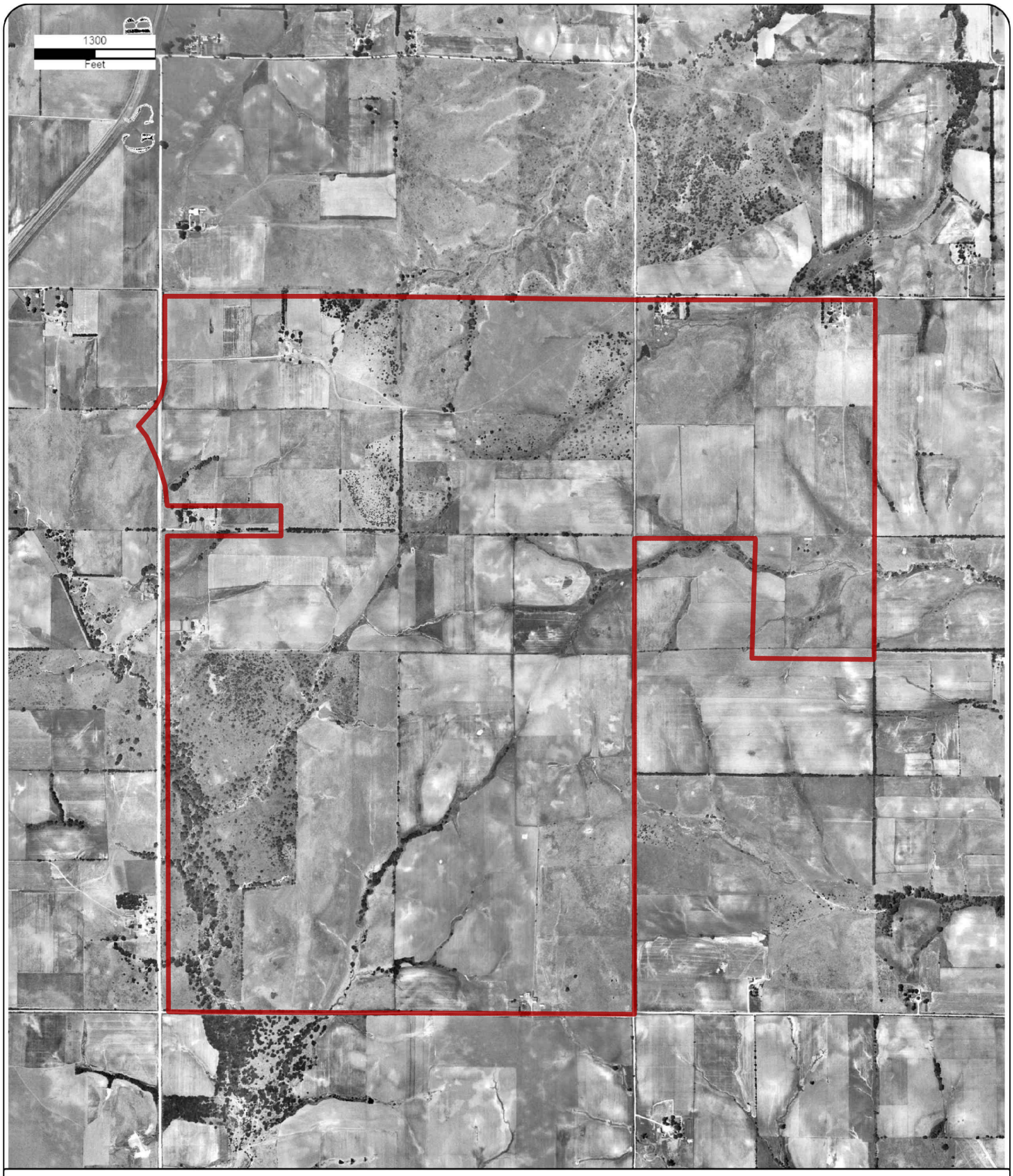


Year: 1937
Source: ASCS
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Comment:

Address: Vacant Land, Tonganoxie, KS
Approx Center: -95.08159645,39.07043238

Order No: 26071000971

ERIS

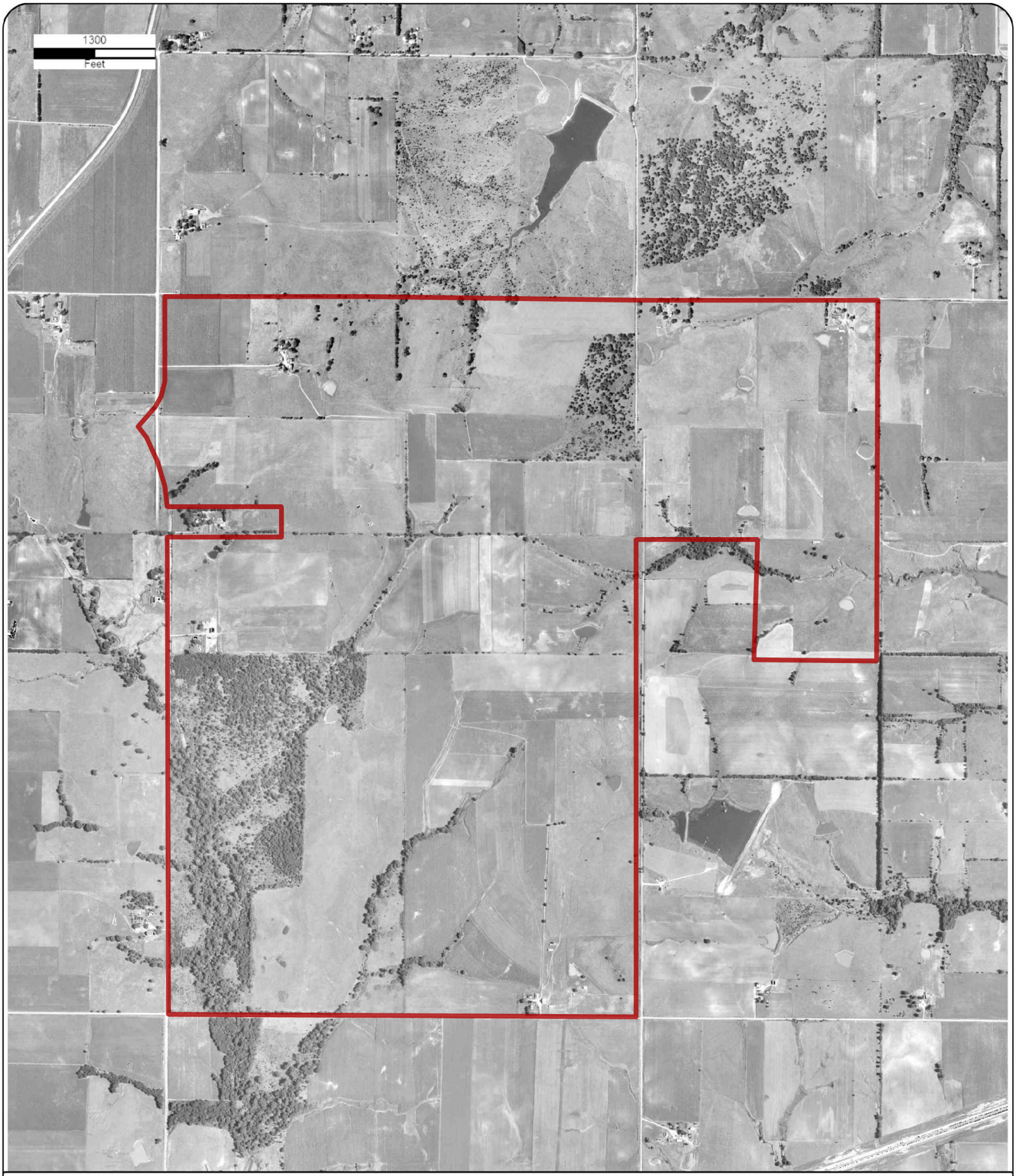


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Approx Center: -95.08159645,39.07043238

Order No: 26071000971

ERIS



Year: 1959
Source: ASCS
Scale: 1" = 1300'
Comment:

Address: Vacant Land, Tonganoxie, KS
Approx Center: -95.08159645,39.07043238

Order No: 26071000971

ERIS



Year: 1967
Source: USGS
Scale: 1" = 1300'
Comment:

Address: Vacant Land, Tonganoxie, KS
Approx Center: -95.08159645,39.07043238

Order No: 26071000971

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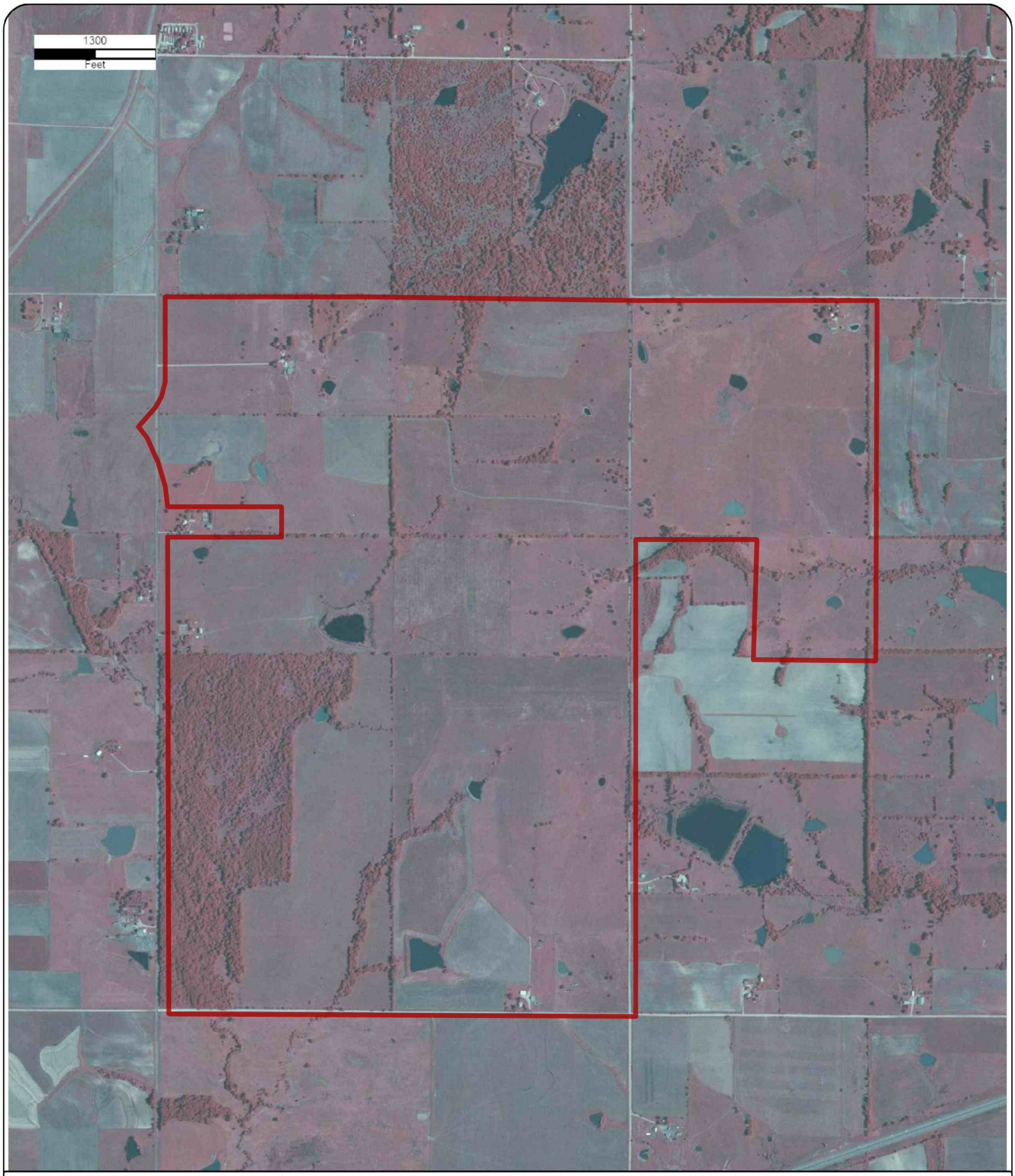


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Comment:

Address: Vacant Land, Tonganoxie, KS
Approx Center: -95.08159645,39.07043238

Order No: 26071000971

ERIS



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Source: USGS
Scale: 1" = 1300'
Comment:

Address: Vacant Land, Tonganoxie, KS
Approx Center: -95.08159645,39.07043238

Order No: 26071000971

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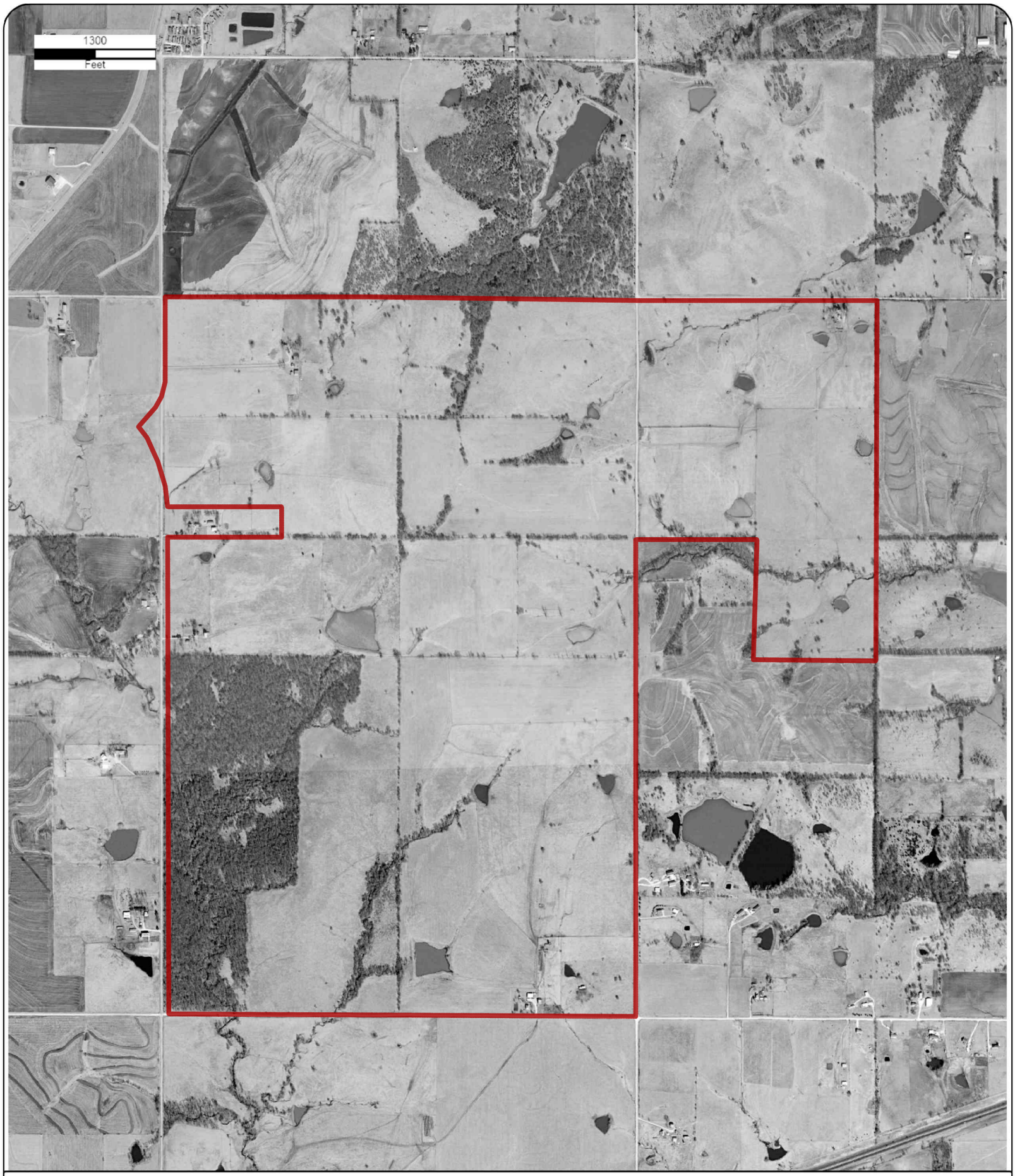


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Approx Center: -95.08159645,39.07043238

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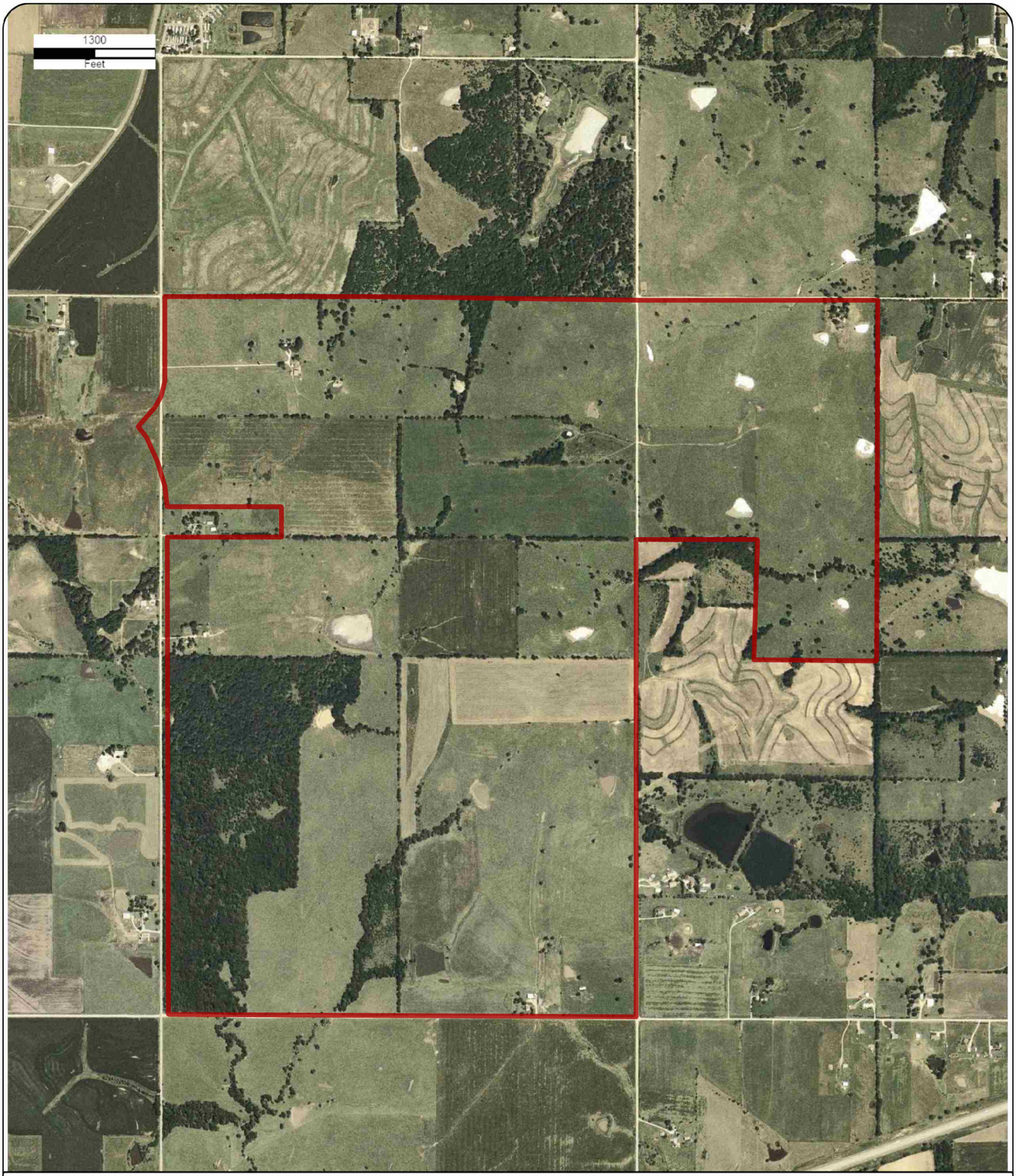


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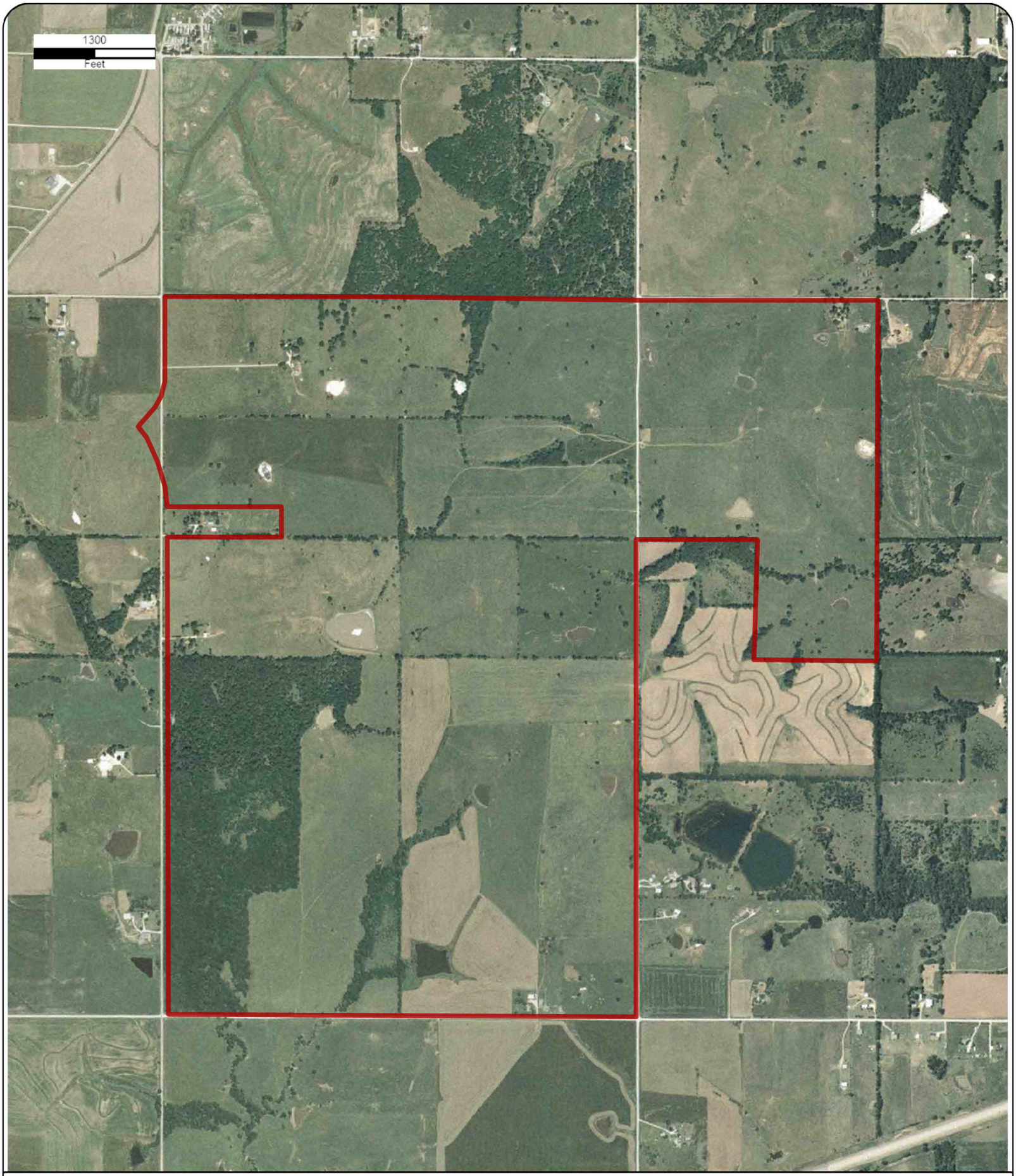


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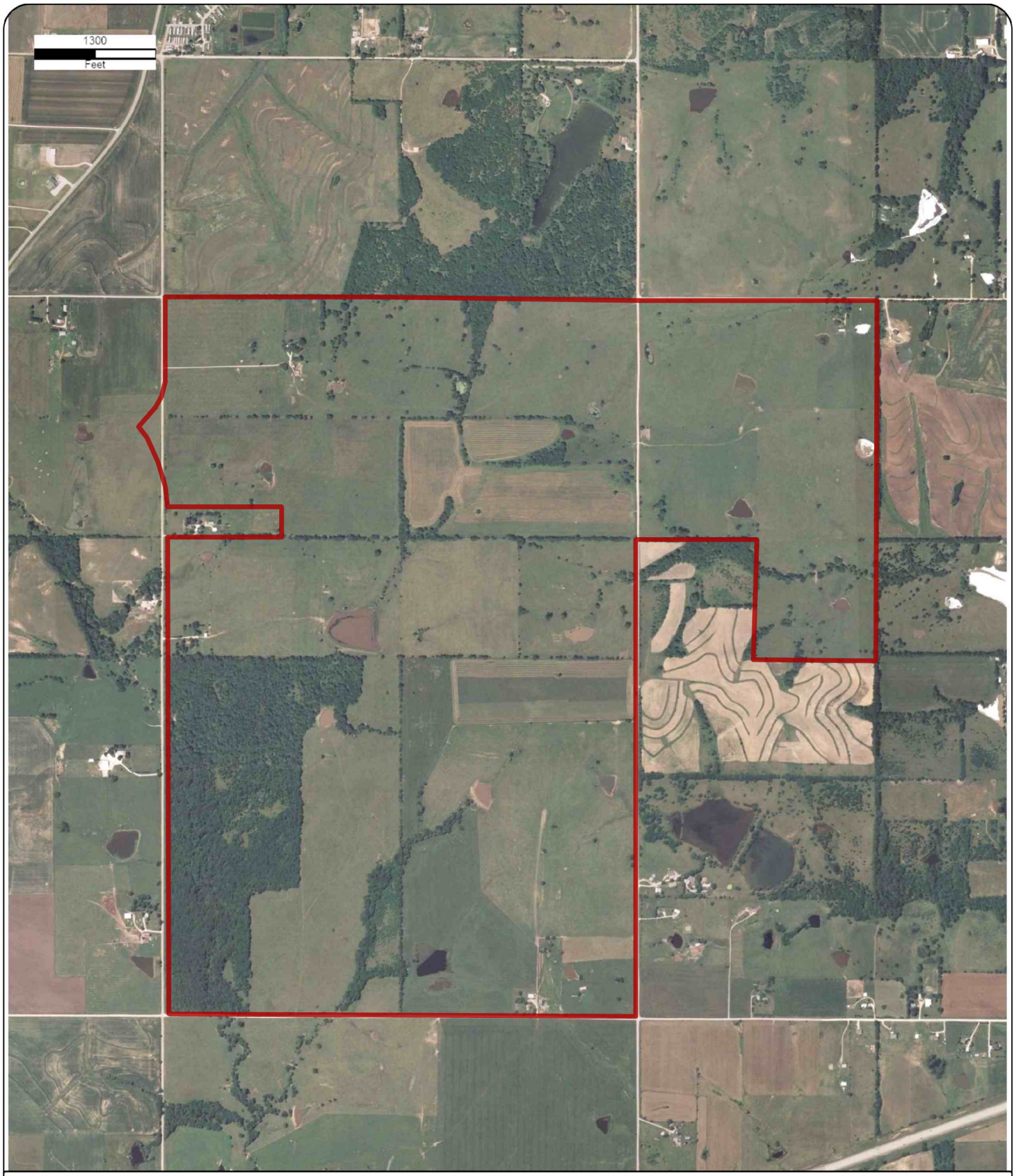


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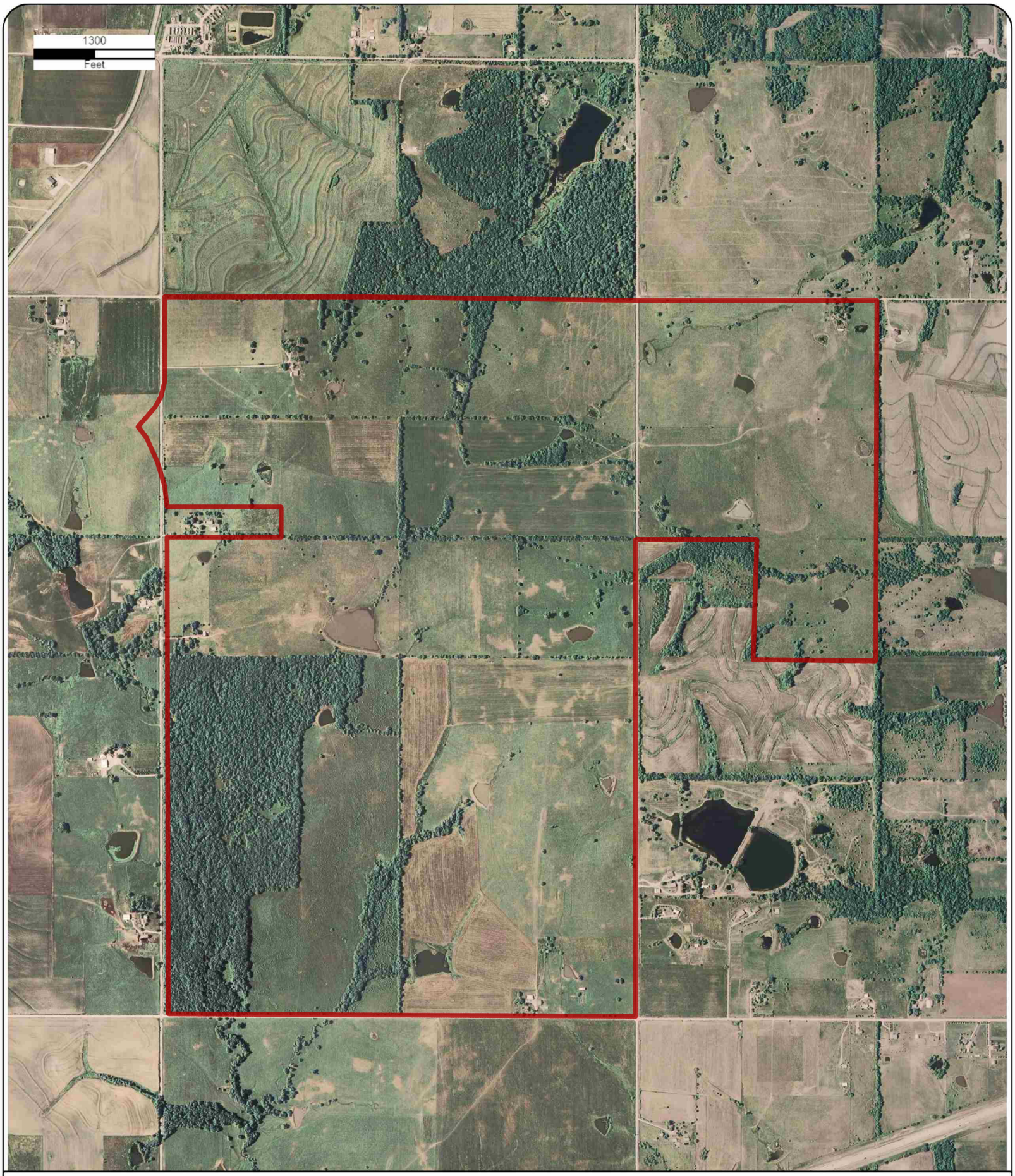


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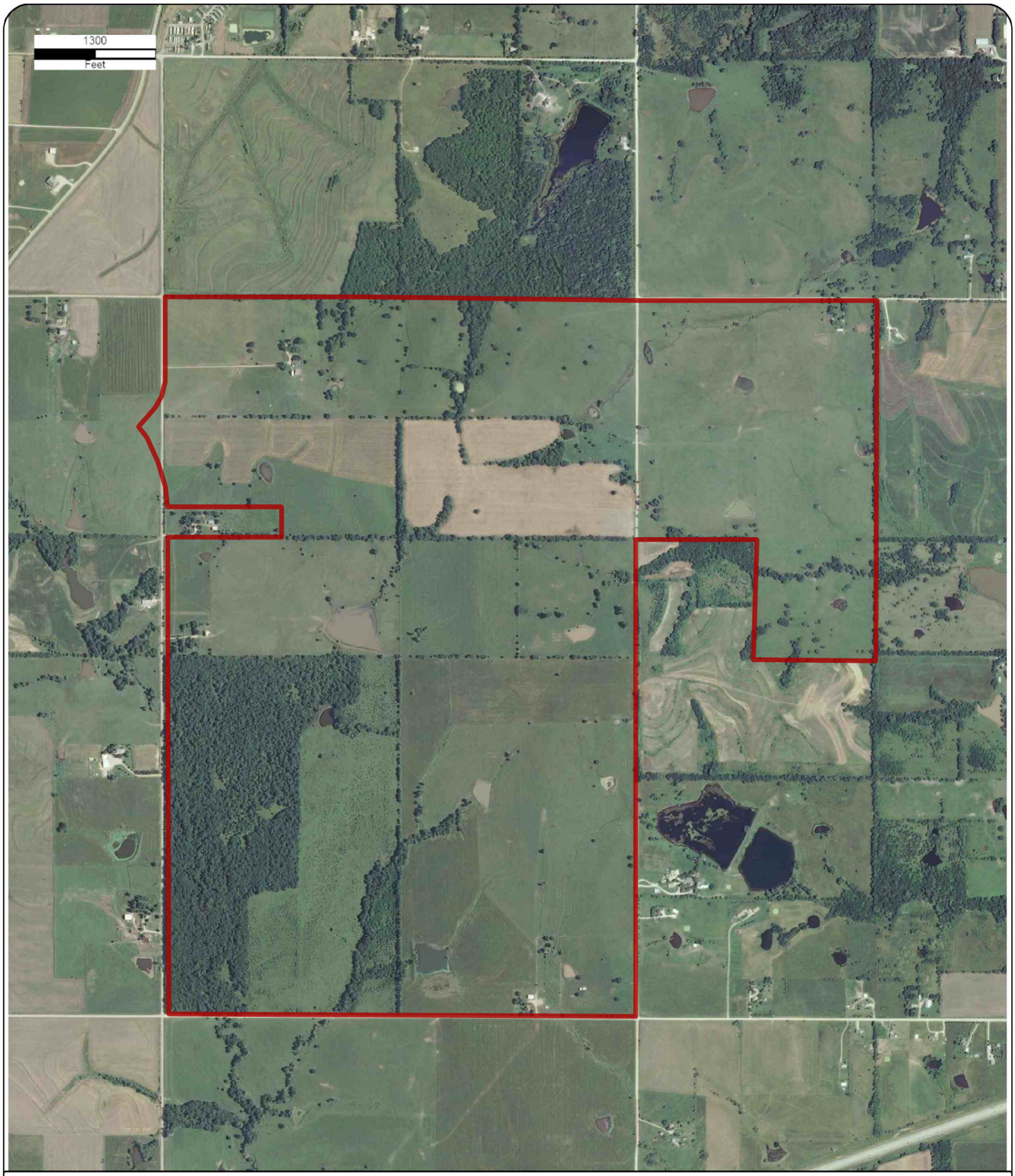


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Approx Center: -95.08159645,39.07043238

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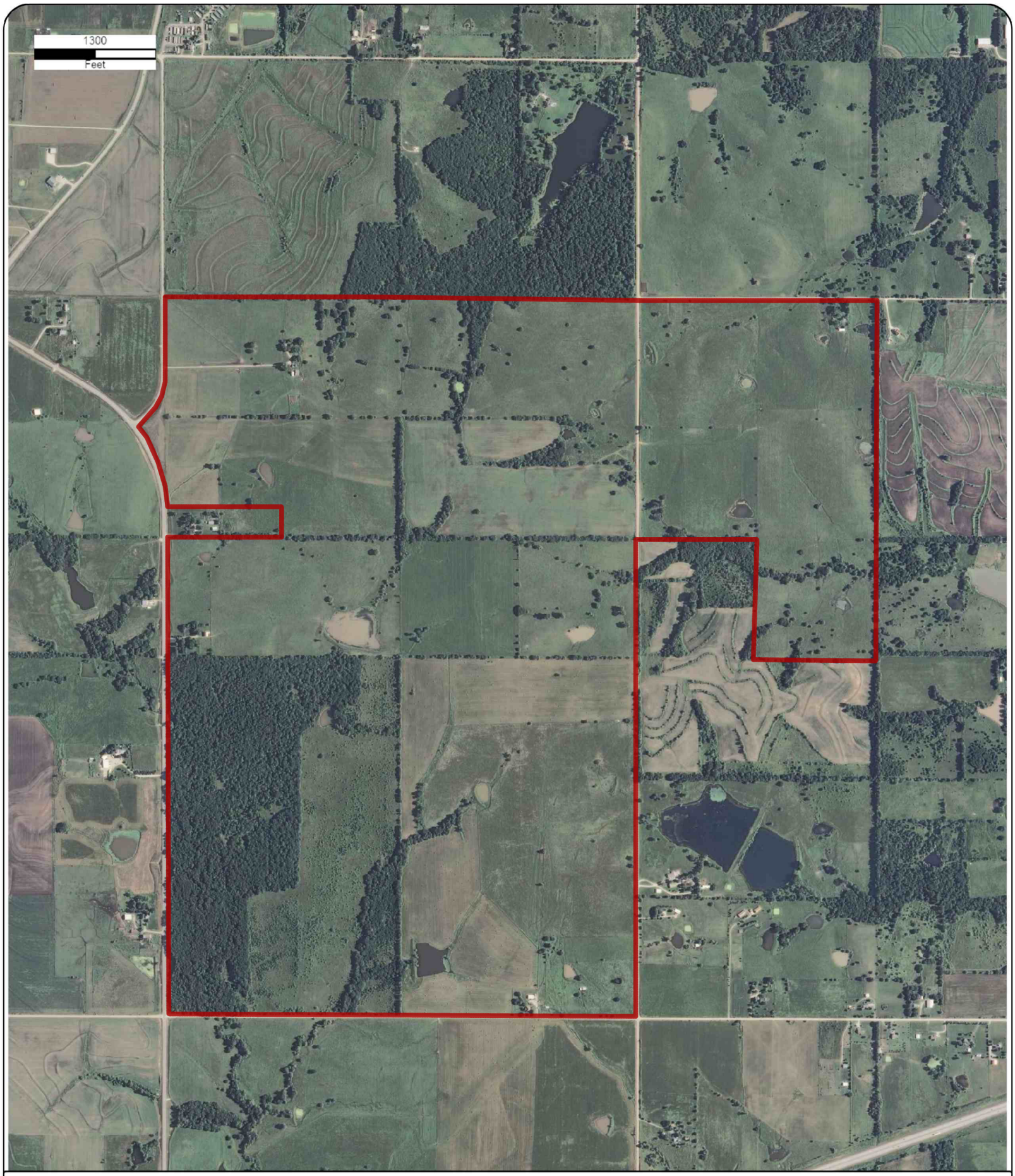


Year: 2008
Source: USDA
Scale: 1" = 1300'
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Address: Vacant Land, Tonganoxie, KS
Approx Center: -95.08159645,39.07043238

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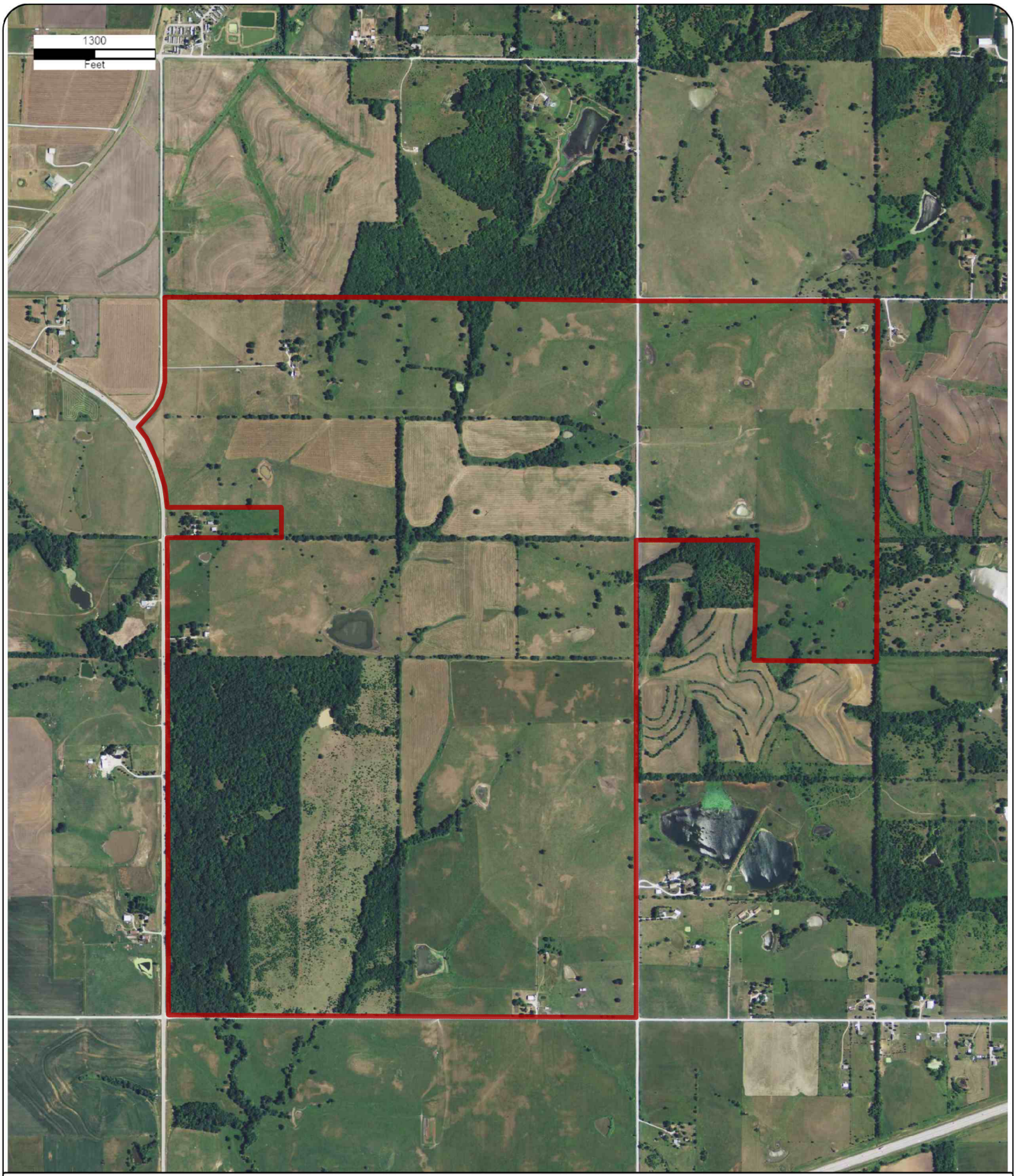


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Address: Vacant Land, Tonganoxie, KS
Approx Center: -95.08159645,39.07043238

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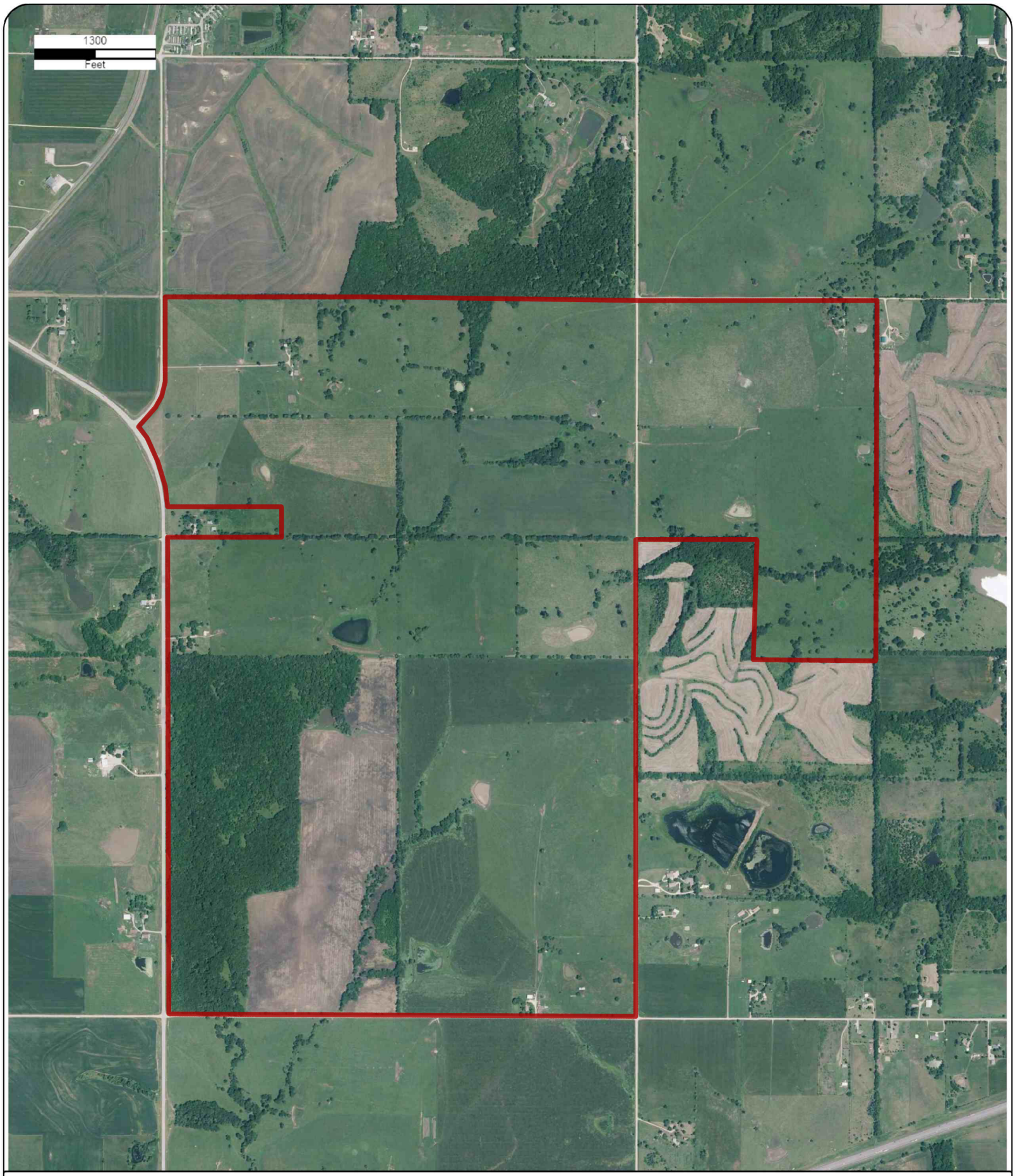


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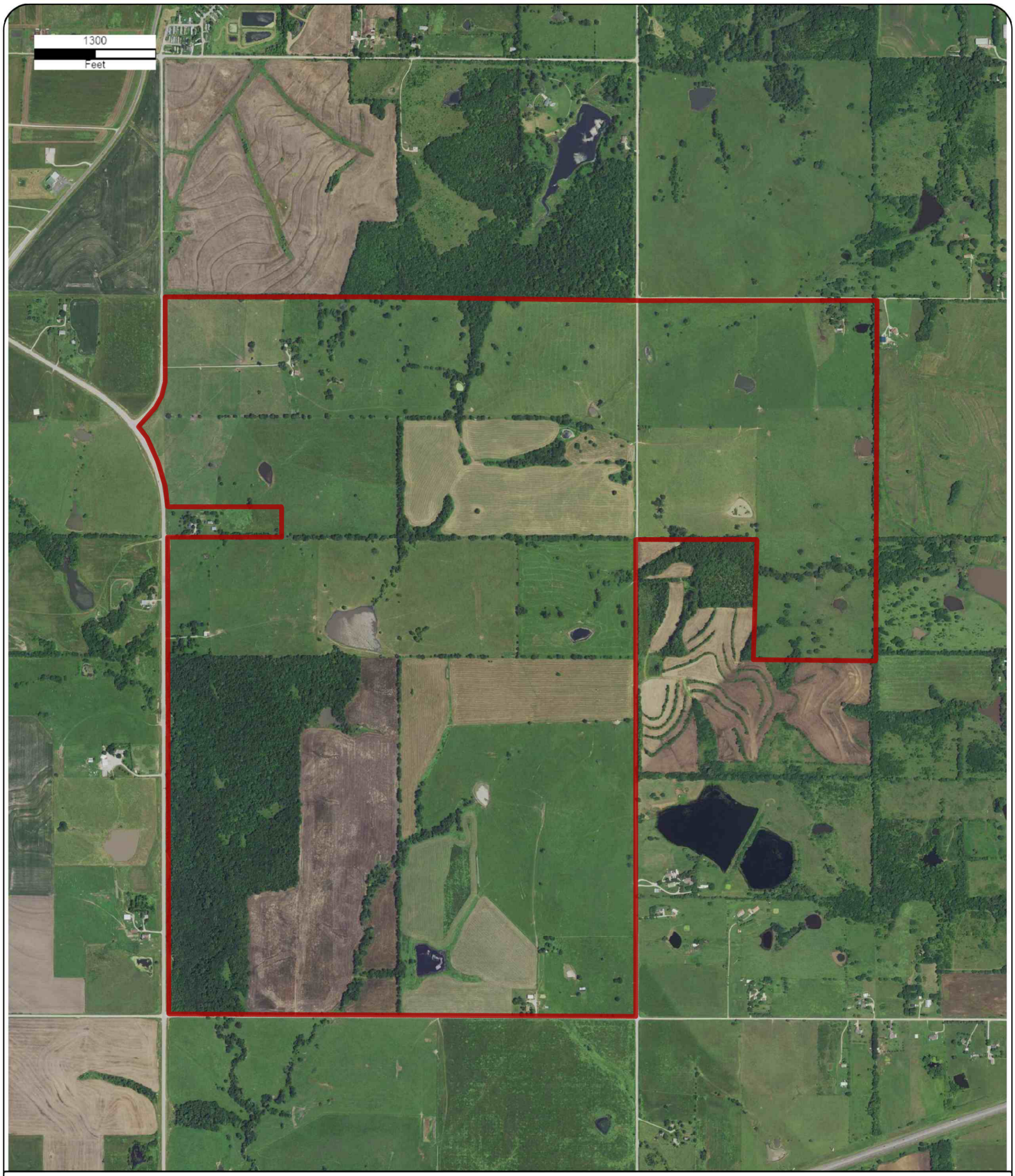


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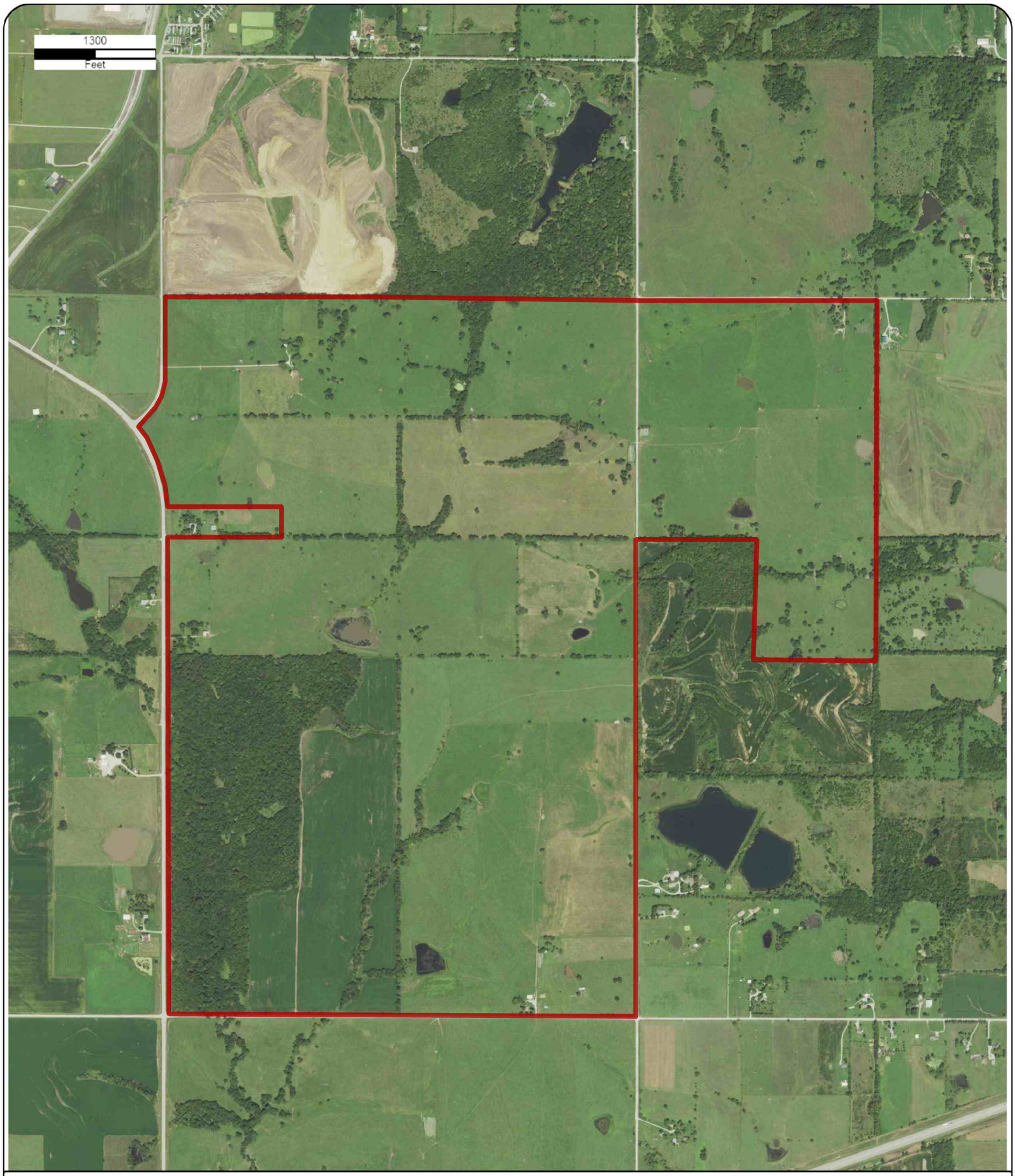


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Approx Center: -95.08159645,39.07043238

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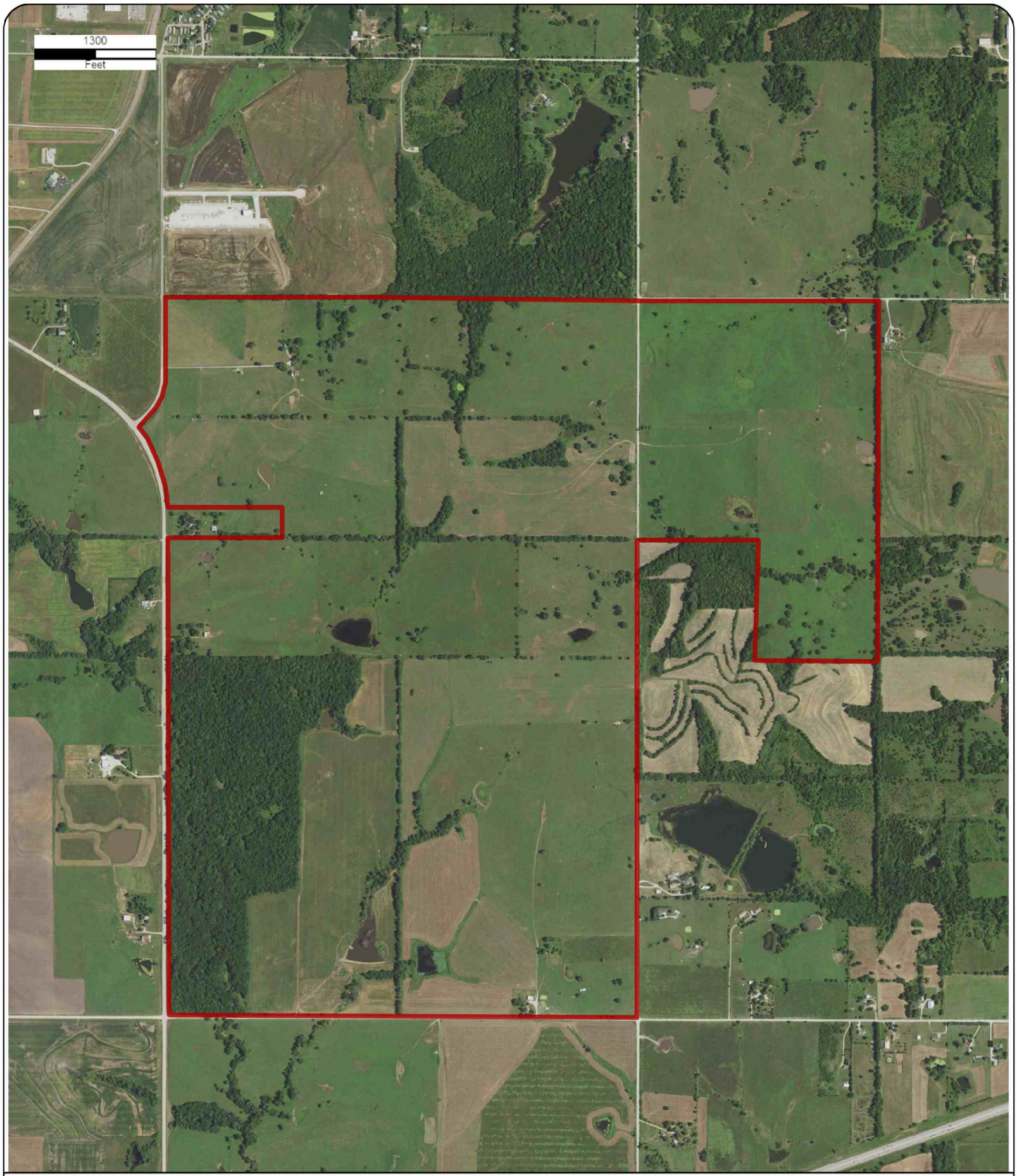


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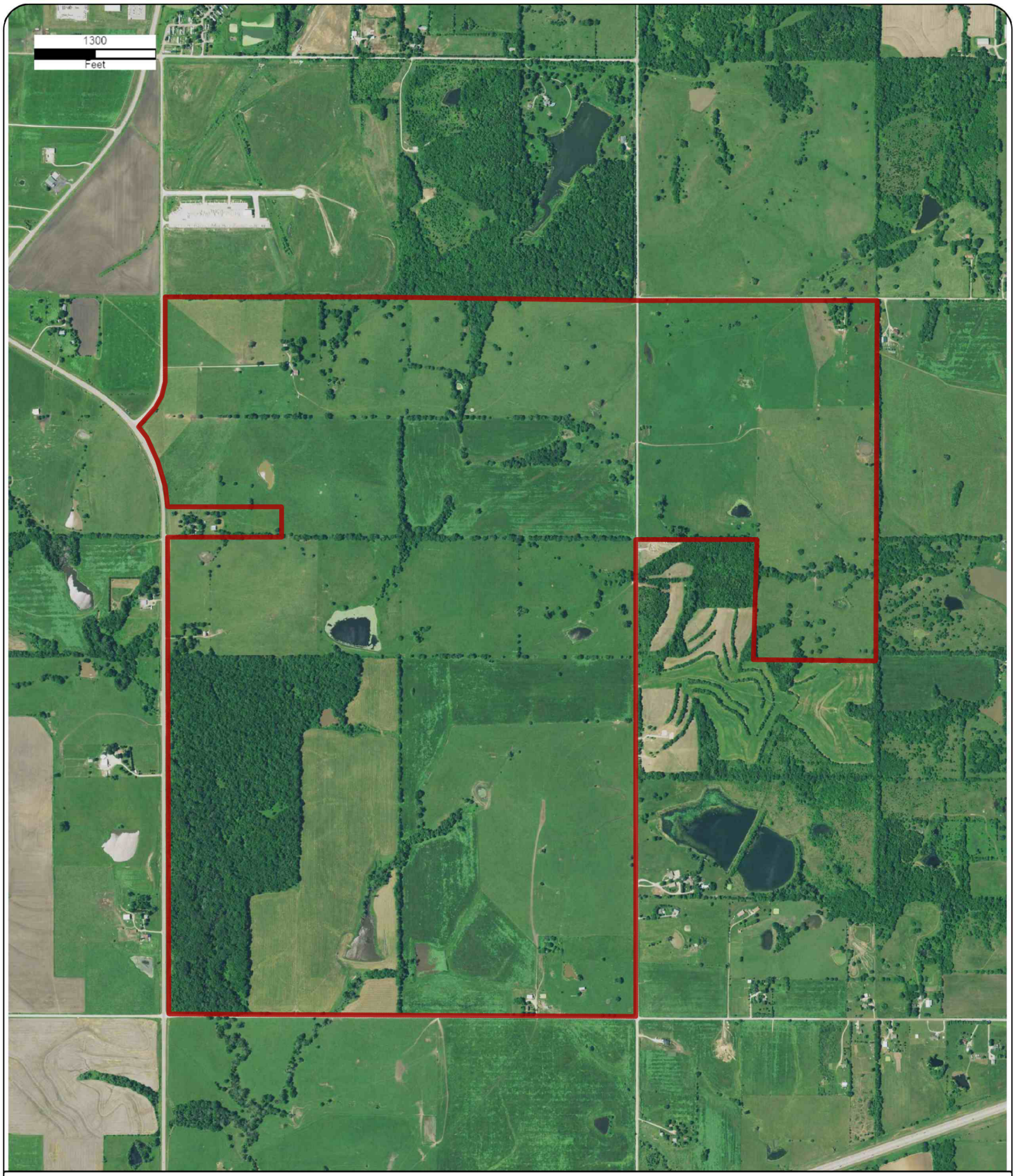


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Order No: 26071000971

ERIS

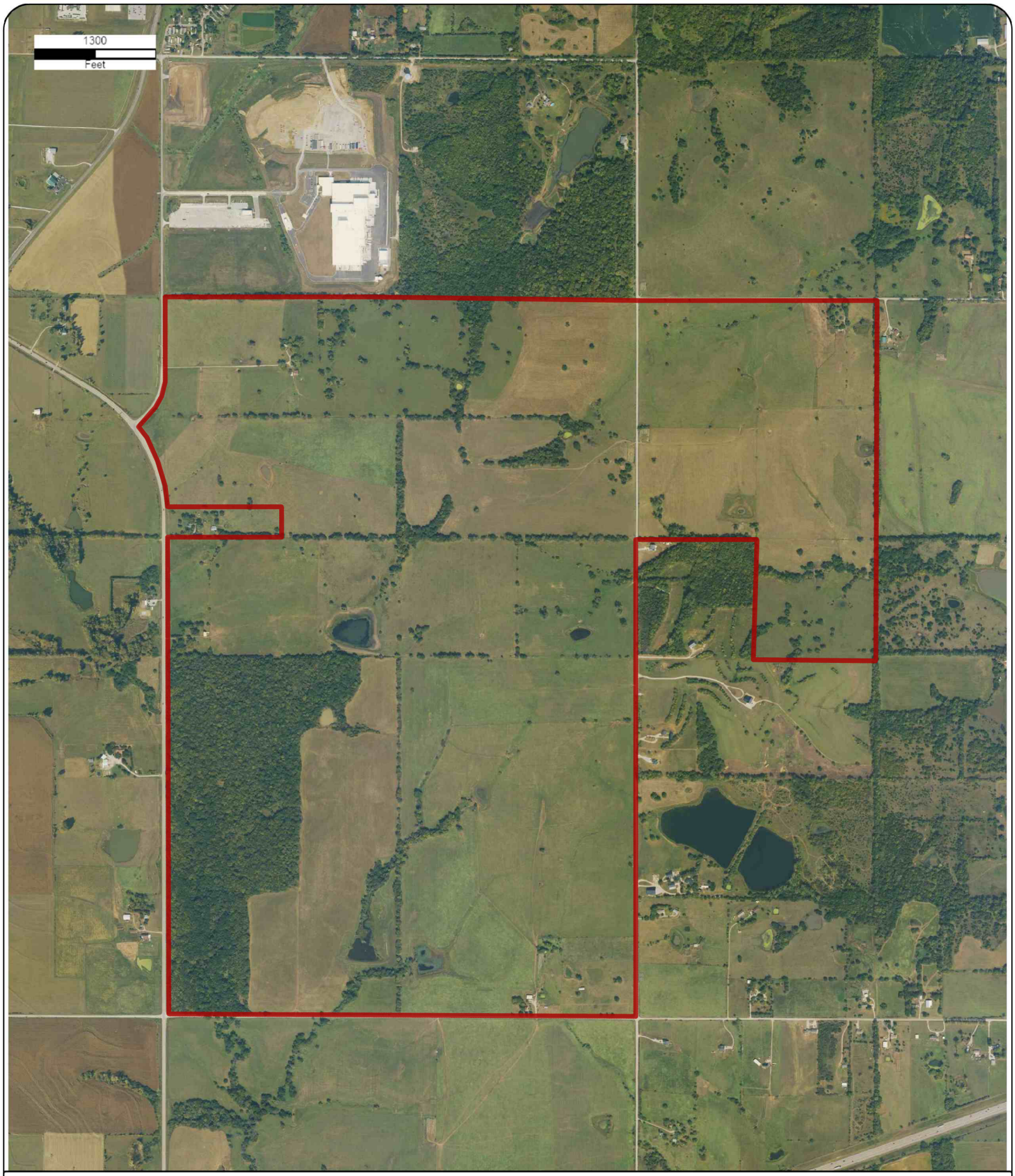


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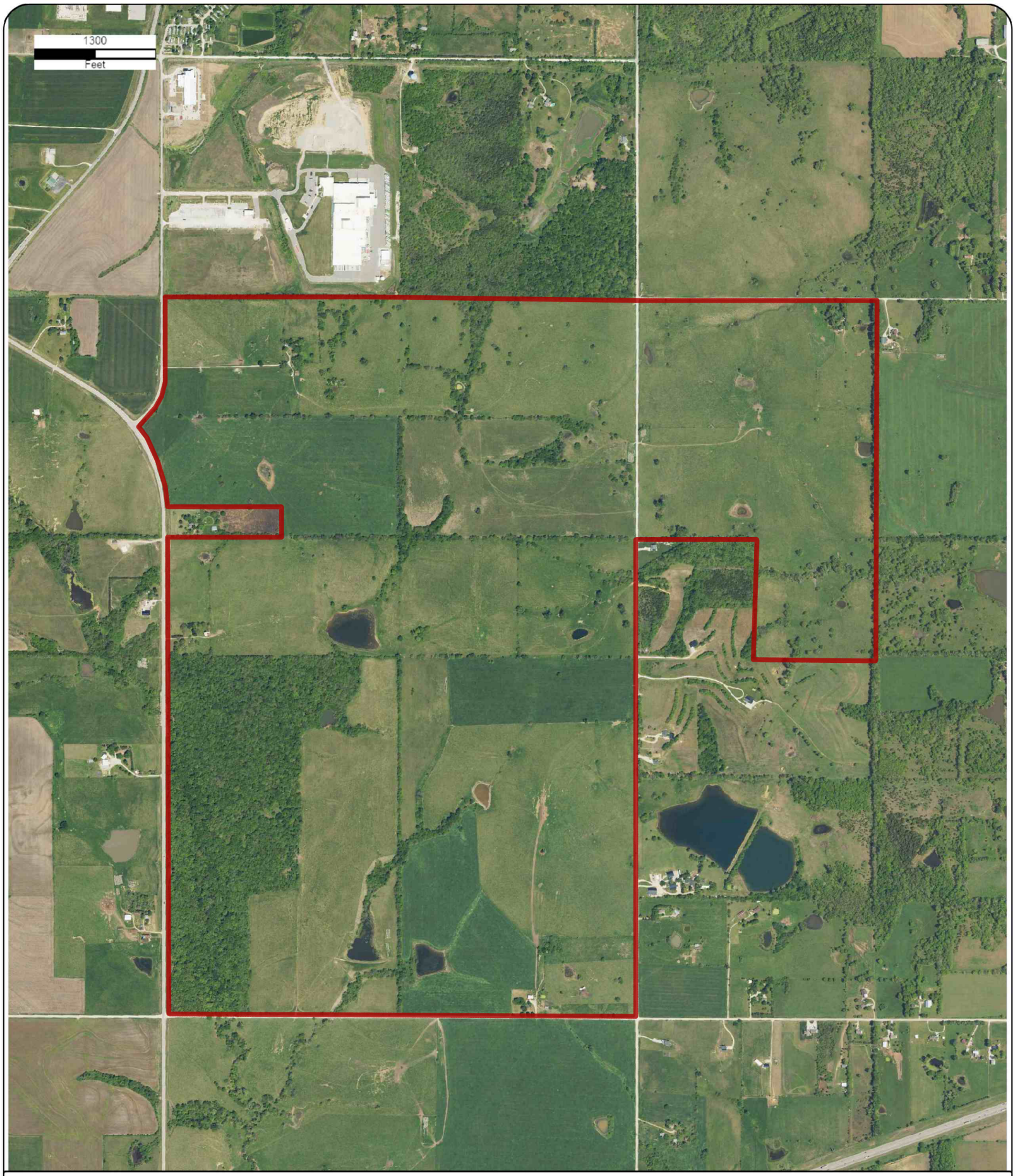


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Scale: 1" = 1300'
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Approx Center: -95.08159645,39.07043238

Order No: 26071000971

ERIS



Year: 2025
Source: USDA
Scale: 1" = 1300'
Comment:

Address: Vacant Land, Tonganoxie, KS
Approx Center: -95.08159645,39.07043238

Order No: 26071000971

ERIS

HISTORICAL DOCUMENTATION: CITY DIRECTORIES

CITY DIRECTORY

Project Property:	*Vacant Land* *Vacant Land* *Tonganoxie,KS 66086*
Project No:	*06032790-3*
Requested By:	*Intertek PSI*
Order No:	*26071000971*
Date Completed:	*July 13, 2026*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

July 13, 2026
RE: CITY DIRECTORY RESEARCH
Vacant Land
Tonganoxie,KS 66086

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
15700-17100 of 206th St
15700-17100 of 214th St
15700-17100 of 222nd St
ALL of Business Park Dr
20600-22800 of Hemphill Rd
20600-22800 of Honey Creek Rd
Search Notes:

Search Results Summary

Date	Source	Comment
2025	DIGITAL BUSINESS DIRECTORY	
2023	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2007	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1996	COLE	
1991	COLE	
1987	COLE	

2025 206TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15833 **JEFFERY KAIGHIN**...*RESIDENTIAL*
15883 **ALISON WALTERS**...*RESIDENTIAL*
15912 **BETTY STEVENS**...*RESIDENTIAL*
15912 **FRED SCHELLER**...*RESIDENTIAL*
15912 **JAMES THORNE**...*RESIDENTIAL*
15912 **SCHELLER HOMES INC**...*HOME BUILDERS*
15943 **TRAVIS FREEMAN**...*RESIDENTIAL*
16062 **BENNIE PAPA**...*RESIDENTIAL*
16137 **TROY FREEMAN**...*RESIDENTIAL*
16142 **THERESA LEWIS**...*RESIDENTIAL*
16148 **BILL LAUNDY**...*RESIDENTIAL*
16254 **KELLEY SIVITS**...*RESIDENTIAL*
16320 **STANLEY STANHOPE**...*RESIDENTIAL*
16320 **TONY CARR**...*RESIDENTIAL*
16379 **LARRY'S PERFORMANCE AUTOMOTIVE**...*AUTOMOBILE REPAIRING & SERVICE*
16379 **STACY COLLINGE**...*RESIDENTIAL*
16625 **JOSEPH BARAGARY**...*RESIDENTIAL*
16909 **STEVEN STURGEON**...*RESIDENTIAL*
16950 **RODERICK STURGEON**...*RESIDENTIAL*
16975 **IRWIN BATTLE**...*RESIDENTIAL*
17047 **JODY MOTICHKA**...*RESIDENTIAL*
17047 **WILLIAM READY**...*RESIDENTIAL*

2025 214TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15772 **WILLIAM GARNER**...*RESIDENTIAL*
15812 **2XTREME RACING**...*RACE TRACK EQUIPMENT & SUPPLIES*
15812 **JIMMY CRETEN**...*RESIDENTIAL*
16024 **NICHOLAS EDWARDS**...*RESIDENTIAL*
16140 **GARRETT BAKER**...*RESIDENTIAL*

2025 222ND ST

SOURCE: DIGITAL BUSINESS DIRECTORY

16051 **BILL JONES**...*RESIDENTIAL*
16051 **J JONES**...*RESIDENTIAL*
16220 **TOM SMITH III**...*RESIDENTIAL*
16408 **JOHN QUINLAN**...*RESIDENTIAL*
16408 **MARY QUINLAN**...*RESIDENTIAL*
16680 **CLYDE HULL**...*RESIDENTIAL*

2025 BUSINESS PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

22035 **UNILOCK**...*BRICK PAVERS*

2025 HEMPHILL RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20735 **JEANINA LOOMIS**...*RESIDENTIAL*
20735 **MARK LOOMIS**...*RESIDENTIAL*
20767 **RANDY LOOMIS**...*RESIDENTIAL*
20801 **ERIC LADESIC**...*RESIDENTIAL*
20909 **GARRET NEELD**...*RESIDENTIAL*
20932 **JOHN WICKEY**...*RESIDENTIAL*
20985 **NOE PUEBLA**...*RESIDENTIAL*
21018 **PHILLIP CULLISON**...*RESIDENTIAL*
21020 **LUCILLE ESKRIDGE**...*RESIDENTIAL*
21051 **STEPHEN LUTZ**...*RESIDENTIAL*
21210 **MICHAEL WEHMEYER**...*RESIDENTIAL*
21212 **VICKIE HILLERS**...*RESIDENTIAL*
21217 **DANIEL PROUDFOOT**...*RESIDENTIAL*
22609 **BALES QUARTER HORSES**...*STABLES*
22609 **ROBIN BALES**...*RESIDENTIAL*

2025 HONEY CREEK RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20662 **MELANIE CHAPMAN**...*RESIDENTIAL*
20662 **RICHARD CHAPMAN**...*RESIDENTIAL*
20676 **ROBERT HAND**...*RESIDENTIAL*
20780 **JERRY NEWBERRY**...*RESIDENTIAL*
20842 **BERNICE GERGICK**...*RESIDENTIAL*
22398 **CURT BIGGE**...*RESIDENTIAL*
22552 **BRANDON FRANKLIN SMITH**...*NONCLASSIFIED ESTABLISHMENTS*
22552 **FRANK SMITH**...*RESIDENTIAL*
22732 **MYRA BYERS**...*RESIDENTIAL*
22748 **PHILLIP VAUGHN**...*RESIDENTIAL*
22748 **QUALITY REPORTING SVC INC**...*MISCELLANEOUS PERSONAL SERVICES NEC*

2023 206TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15833 **JEFFERY KAIGHIN**...*RESIDENTIAL*
15871 **AMY HOFFSETT**...*RESIDENTIAL*
15871 **S HOFFSETT**...*RESIDENTIAL*
15883 **ALISON WALTERS**...*RESIDENTIAL*
15889 **JAMES KAIGHIN**...*RESIDENTIAL*
15912 **DOLLIE SCHELLER**...*RESIDENTIAL*
15943 **TRAVIS FREEMAN**...*RESIDENTIAL*
16062 **BENNIE PAPA**...*RESIDENTIAL*
16062 **RANATA WATTS**...*RESIDENTIAL*
16137 **TERRY FREEMAN**...*RESIDENTIAL*
16137 **TRENT FREEMAN**...*RESIDENTIAL*
16142 **THERESA LEWIS**...*RESIDENTIAL*
16148 **BILL LAUNDY**...*RESIDENTIAL*
16254 **DENNIS SIVITS**...*RESIDENTIAL*
16254 **KAREN SIVITS**...*RESIDENTIAL*
16320 **MARY STANHOPE**...*RESIDENTIAL*
16379 **LARRY COLLINGE**...*RESIDENTIAL*
16379 **LARRY'S PERFORMANCE AUTOMOTIVE**...*AUTOMOBILE REPAIRING & SERVICE*
16625 **JOSEPH BARAGARY**...*RESIDENTIAL*
16909 **STEVEN STURGEON**...*RESIDENTIAL*
16927 **SUSAN STURGEON**...*RESIDENTIAL*
16950 **LINDA STURGEON**...*RESIDENTIAL*
16975 **IRWIN BATTLE**...*RESIDENTIAL*
16975 **THERESA BATTLE**...*RESIDENTIAL*
17047 **CATHY READY**...*RESIDENTIAL*

2023 214TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15812 **DAWN CRETEN**...*RESIDENTIAL*

2023 222ND ST

SOURCE: DIGITAL BUSINESS DIRECTORY

16051 **BILL JONES**...*RESIDENTIAL*
16051 **J JONES**...*RESIDENTIAL*
16220 **TOM SMITH III**...*RESIDENTIAL*
16408 **JOHN QUINLAN**...*RESIDENTIAL*
16408 **MARY QUINLAN**...*RESIDENTIAL*
16408 **WAYNE HERMANN**...*RESIDENTIAL*
16680 **CLYDE HULL**...*RESIDENTIAL*

2023 BUSINESS PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

22035 **UNILOCK**...*PAVERS-STONE BRICK INTERLOCKING ETC*

2023 HEMPHILL RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20735 **JEANINA LOOMIS**...*RESIDENTIAL*
20735 **MARK LOOMIS**...*RESIDENTIAL*
20801 **AMY LADESIC**...*RESIDENTIAL*
20909 **GARRET NEELD**...*RESIDENTIAL*
20932 **JOHN WICKEY**...*RESIDENTIAL*
20985 **NOE PUEBLA**...*RESIDENTIAL*
21018 **PHILLIP CULLISON**...*RESIDENTIAL*
21020 **LUCILLE ESKRIDGE**...*RESIDENTIAL*
21051 **JOSEPH LUTZ**...*RESIDENTIAL*
21051 **MATTHEW LUTZ**...*RESIDENTIAL*
21051 **STEPHEN LUTZ**...*RESIDENTIAL*
21079 **DALE WENSEL**...*RESIDENTIAL*
21210 **MICHAEL WEHMEYER**...*RESIDENTIAL*
21212 **DEBORAH CASEY**...*RESIDENTIAL*
21212 **DOROTHY HILLERS**...*RESIDENTIAL*
21212 **VICKIE HILLERS**...*RESIDENTIAL*
22609 **BALES QUARTER HORSES**...*STABLES*
22609 **CLIFFORD BALES**...*RESIDENTIAL*
22609 **ROBIN BALES**...*RESIDENTIAL*

2023 HONEY CREEK RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20662 **RICHARD CHAPMAN**...*RESIDENTIAL*
20676 **ROBERT HAND**...*RESIDENTIAL*
20780 **JERRY NEWBERRY**...*RESIDENTIAL*
20842 **BERNICE GERGICK**...*RESIDENTIAL*
22398 **CURT BIGGE**...*RESIDENTIAL*
22732 **MYRA BYERS**...*RESIDENTIAL*
22748 **NAOLA VAUGHN**...*RESIDENTIAL*
22748 **PHILLIP VAUGHN**...*RESIDENTIAL*
22748 **QUALITY REPORTING SVC INC**...*MISCELLANEOUS PERSONAL SERVICES NEC*

2020 206TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15833 **JEFFERY KAIGHIN**...*RESIDENTIAL*
15871 **AMY HOFFSETT**...*RESIDENTIAL*
15883 **ALISON WALTERS**...*RESIDENTIAL*
15912 **DOLLIE SCHELLER**...*RESIDENTIAL*
15943 **TRAVIS FREEMAN**...*RESIDENTIAL*
16062 **BENNIE PAPA**...*RESIDENTIAL*
16137 **TERRY FREEMAN**...*RESIDENTIAL*
16142 **THERESA LEWIS**...*RESIDENTIAL*
16148 **BILL LAUNDY**...*RESIDENTIAL*
16254 **DENNIS SIVITS**...*RESIDENTIAL*
16320 **MARY STANHOPE**...*RESIDENTIAL*
16320 **STANLEY STANHOPE**...*RESIDENTIAL*
16379 **LARRY COLLINGE**...*RESIDENTIAL*
16379 **LARRY'S PERFORMANCE AUTOMOTIVE**...*AUTOMOBILE REPAIRING & SERVICE*
16625 **JOSEPH BARAGARY**...*RESIDENTIAL*
16909 **STEVEN STURGEON**...*RESIDENTIAL*
16927 **SUSAN STURGEON**...*RESIDENTIAL*
16950 **LINDA STURGEON**...*RESIDENTIAL*
17047 **CATHY READY**...*RESIDENTIAL*

2020 214TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15812 **DAWN CRETEN**...*RESIDENTIAL*

2020 222ND ST

SOURCE: DIGITAL BUSINESS DIRECTORY

16051 **BILL JONES**...*RESIDENTIAL*
16220 **TOM SMITH III**...*RESIDENTIAL*
16408 **JOHN QUINLAN**...*RESIDENTIAL*
16680 **CLYDE HULL**...*RESIDENTIAL*

2020 BUSINESS PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

22035 **UNILOCK**...*PAVERS-STONE BRICK INTERLOCKING ETC*

2020 HEMPHILL RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20735 **JEANINA LOOMIS**...*RESIDENTIAL*
20735 **MARK LOOMIS**...*RESIDENTIAL*
20801 **AMY LADESIC**...*RESIDENTIAL*
20909 **GARRET NEELD**...*RESIDENTIAL*
20932 **JOHN WICKEY**...*RESIDENTIAL*
20932 **RUTH WICKEY**...*RESIDENTIAL*
20985 **NOE PUEBLA**...*RESIDENTIAL*
21018 **PHILLIP CULLISON**...*RESIDENTIAL*
21020 **LUCILLE ESKRIDGE**...*RESIDENTIAL*
21051 **JOSEPH LUTZ**...*RESIDENTIAL*
21079 **DALE WENSEL**...*RESIDENTIAL*
21210 **MICHAEL WEHMEYER**...*RESIDENTIAL*
21212 **DOROTHY HILLERS**...*RESIDENTIAL*
21212 **WILLIAM HILLERS**...*RESIDENTIAL*
22609 **BALES QUARTER HORSES**...*STABLES*
22609 **CLIFFORD BALES**...*RESIDENTIAL*

2020 HONEY CREEK RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20662 **RICHARD CHAPMAN**...*RESIDENTIAL*
20780 **JERRY NEWBERRY**...*RESIDENTIAL*
20842 **BERNICE GERGICK**...*RESIDENTIAL*
22398 **CURT BIGGE**...*RESIDENTIAL*
22552 **BRANDON FRANKLIN SMITH**...*UNCLASSIFIED ESTABLISHMENTS*
22732 **MYRA BYERS**...*RESIDENTIAL*
22748 **NAOLA VAUGHN**...*RESIDENTIAL*
22748 **PHILLIP VAUGHN**...*RESIDENTIAL*
22748 **QUALITY REPORTING SVC INC**...*MISCELLANEOUS PERSONAL SERVICES NEC*

2016 206TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15833 **JEFFERY KAIGHIN**...*RESIDENTIAL*
15912 **DOLLIE SCHELLER**...*RESIDENTIAL*
15912 **FRED SCHELLER**...*RESIDENTIAL*
15912 **LISA SCHELLER**...*RESIDENTIAL*
15912 **SCHELLER HOMES INC**...*HOME BUILDERS*
16137 **TERRY FREEMAN**...*RESIDENTIAL*
16137 **TRENT FREEMAN**...*RESIDENTIAL*
16137 **TROY FREEMAN**...*RESIDENTIAL*
16148 **BILL LAUNDY**...*RESIDENTIAL*
16148 **DEBORAH LAUNDY**...*RESIDENTIAL*
16148 **DOROTHY TOLMAN**...*RESIDENTIAL*
16254 **CHARLES LANZA**...*RESIDENTIAL*
16254 **DENNIS SIVITS**...*RESIDENTIAL*
16254 **KAREN SIVITS**...*RESIDENTIAL*
16254 **KELLEY SIVITS**...*RESIDENTIAL*
16254 **LOUIS LANZA**...*RESIDENTIAL*
16254 **MEGHAN LANZA**...*RESIDENTIAL*
16254 **NANCY LANZA**...*RESIDENTIAL*
16320 **MARY STANHOPE**...*RESIDENTIAL*
16320 **STANLEY STANHOPE**...*RESIDENTIAL*
16379 **LARRY COLLINGE**...*RESIDENTIAL*
16379 **LARRY'S PERFORMANCE AUTOMOTIVE**...*AUTOMOBILE REPAIRING & SERVICE*
16379 **STACY COLLINGE**...*RESIDENTIAL*
16625 **JOSEPH BARAGARY**...*RESIDENTIAL*
16909 **STEVEN STURGEON**...*RESIDENTIAL*
16927 **SUSAN STURGEON**...*RESIDENTIAL*
16950 **LINDA STURGEON**...*RESIDENTIAL*
16950 **RODERICK STURGEON**...*RESIDENTIAL*
17047 **CATHY READY**...*RESIDENTIAL*
17047 **WILLIAM READY**...*RESIDENTIAL*

2016 214TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15812 **2XTREME RACING**...*RACE TRACK EQUIPMENT & SUPPLIES*
15812 **DAWN CRETEN**...*RESIDENTIAL*
15812 **JIMMY CRETEN**...*RESIDENTIAL*

2016 222ND ST

SOURCE: DIGITAL BUSINESS DIRECTORY

16051 **BILL JONES**...*RESIDENTIAL*
16051 **J JONES**...*RESIDENTIAL*
16220 **MARTHA SMITH**...*RESIDENTIAL*
16220 **TOM SMITH III**...*RESIDENTIAL*
16408 **JOHN QUINLAN**...*RESIDENTIAL*
16408 **MARY QUINLAN**...*RESIDENTIAL*

2016 BUSINESS PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2016 HEMPHILL RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20735 **JEANINA LOOMIS**...*RESIDENTIAL*
20735 **MARK LOOMIS**...*RESIDENTIAL*
20801 **AMY LADESIC**...*RESIDENTIAL*
20801 **ERIC LADESIC**...*RESIDENTIAL*
20801 **TERRY LADESIC**...*RESIDENTIAL*
20909 **GARRET NEELD**...*RESIDENTIAL*
20909 **KATHERINE NEELD**...*RESIDENTIAL*
20932 **JOHN WICKEY**...*RESIDENTIAL*
20932 **RUTH WICKEY**...*RESIDENTIAL*
20985 **NOE PUEBLA**...*RESIDENTIAL*
21018 **PHILLIP CULLISON**...*RESIDENTIAL*
21018 **RACHEL CULLISON**...*RESIDENTIAL*
21020 **LUCILLE ESKRIDGE**...*RESIDENTIAL*
21051 **JOSEPH LUTZ**...*RESIDENTIAL*
21051 **MATTHEW LUTZ**...*RESIDENTIAL*
21051 **RANDI LUTZ**...*RESIDENTIAL*
21051 **STEPHEN LUTZ**...*RESIDENTIAL*
21079 **DALE WENSEL**...*RESIDENTIAL*
21210 **MICHAEL WEHMEYER**...*RESIDENTIAL*
21212 **DOROTHY HILLERS**...*RESIDENTIAL*
21212 **VICKIE HILLERS**...*RESIDENTIAL*
21212 **WILLIAM HILLERS**...*RESIDENTIAL*
22609 **BALES QUARTER HORSES**...*BOARDING HOUSES*
22609 **BALES QUARTER HORSES**...*STABLES*
22609 **CLIFFORD BALES**...*RESIDENTIAL*
22609 **ROBIN BALES**...*RESIDENTIAL*

2016 HONEY CREEK RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20780 **JANICE NEWBERRY SR**...*RESIDENTIAL*
20780 **JERRY NEWBERRY**...*RESIDENTIAL*
22361 **DEBBIE HARKER**...*RESIDENTIAL*
22398 **CURT BIGGE**...*RESIDENTIAL*
22552 **BRANDON FRANKLIN SMITH**...*UNCLASSIFIED ESTABLISHMENTS*
22732 **MYRA BYERS**...*RESIDENTIAL*
22748 **NAOLA VAUGHN**...*RESIDENTIAL*
22748 **PHILLIP VAUGHN**...*RESIDENTIAL*
22748 **QUALITY REPORTING SVC INC**...*MISCELLANEOUS PERSONAL SERVICES NEC*

2012 206TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15833 **JEFFERY KAIGHIN**...*RESIDENTIAL*
15889 **GAYLE KAIGHIN**...*RESIDENTIAL*
15889 **JAMES KAIGHIN**...*RESIDENTIAL*
15912 **FRED SCHELLER**...*RESIDENTIAL*
15912 **LISA SCHELLER**...*RESIDENTIAL*
15912 **SCHELLER HOMES INC**...*HOME BUILDERS*
15943 **TINA FREEMAN**...*RESIDENTIAL*
15943 **TRAVIS FREEMAN**...*RESIDENTIAL*
16062 **BENNIE PAPA**...*RESIDENTIAL*
16137 **MARJORIE FREEMAN**...*RESIDENTIAL*
16137 **TERRI FREEMAN**...*RESIDENTIAL*
16137 **TERRY FREEMAN**...*RESIDENTIAL*
16137 **TROY FREEMAN**...*RESIDENTIAL*
16142 **BILL LAUNDY**...*RESIDENTIAL*
16142 **DEBORAH LAUNDY**...*RESIDENTIAL*
16142 **M LAUNDY**...*RESIDENTIAL*
16148 **BILL LAUNDY**...*RESIDENTIAL*
16254 **DENNIS SIVITS**...*RESIDENTIAL*
16320 **MARY STANHOPE**...*RESIDENTIAL*
16379 **LARRY COLLINGE**...*RESIDENTIAL*
16625 **JOSEPH BARAGARY**...*RESIDENTIAL*
16909 **STEVEN STURGEON**...*RESIDENTIAL*
16909 **TRACY STURGEON**...*RESIDENTIAL*
16927 **ROWENA STURGEON**...*RESIDENTIAL*
16950 **JESSICA STURGEON**...*RESIDENTIAL*
16950 **LINDA STURGEON**...*RESIDENTIAL*
16950 **RODERICK STURGEON**...*RESIDENTIAL*
17047 **CATHY READY**...*RESIDENTIAL*
17047 **WILLIAM READY**...*RESIDENTIAL*

2012 214TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15812 **2XTREME RACING**...*RACE TRACK EQUIPMENT & SUPPLIES*
15812 **DAWN CRETEN**...*RESIDENTIAL*
15812 **PETE MCMILLON**...*RESIDENTIAL*
17075 **JULIE PRUDEN**...*RESIDENTIAL*
17075 **RICHARD PRUDEN**...*RESIDENTIAL*

2012 222ND ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15731 **BILLY SKEET**...*RESIDENTIAL*
15731 **DEBORAH SKEET**...*RESIDENTIAL*
16051 **B JONES**...*RESIDENTIAL*
16220 **MARTHA SMITH**...*RESIDENTIAL*
16220 **TOM SMITH**...*RESIDENTIAL*
16408 **JOHN QUINLAN**...*RESIDENTIAL*
16408 **MARY QUINLAN**...*RESIDENTIAL*
16680 **P HULL**...*RESIDENTIAL*
16680 **PAT HULL**...*RESIDENTIAL*

2012 BUSINESS PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 HEMPHILL RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20735 **MARK LOOMIS**...*RESIDENTIAL*
20735 **RANDY LOOMIS**...*RESIDENTIAL*
20767 **FRED MAYES**...*RESIDENTIAL*
20767 **KARLYN MAYES**...*RESIDENTIAL*
20801 **AMY LADESIC**...*RESIDENTIAL*
20801 **ERIC LADESIC**...*RESIDENTIAL*
20909 **GERALD NELSON**...*RESIDENTIAL*
20909 **NELSON GERALD**...*RESIDENTIAL*
20909 **SANDRA NELSON**...*RESIDENTIAL*
20932 **JOHN WICKEY**...*RESIDENTIAL*
20932 **RUTH WICKEY**...*RESIDENTIAL*
20985 **GLORIA PUEBLA**...*RESIDENTIAL*
20985 **NOE PUEBLA**...*RESIDENTIAL*
21018 **DON GATEWOOD**...*RESIDENTIAL*
21018 **DONALD GATEWOOD**...*RESIDENTIAL*
21018 **RICHARD GATEWOOD**...*RESIDENTIAL*
21020 **DORIS ESKRIDGE**...*RESIDENTIAL*
21020 **LUCILLE ESKRIDGE**...*RESIDENTIAL*
21051 **ANTHONY LUTZ**...*RESIDENTIAL*
21051 **MATTHEW LUTZ**...*RESIDENTIAL*
21051 **RANDI LUTZ**...*RESIDENTIAL*
21051 **STEVE LUTZ**...*RESIDENTIAL*
21210 **MIKE WEHMEYER**...*RESIDENTIAL*
21212 **VICKIE HILLERS**...*RESIDENTIAL*
21212 **WILLIAM HILLERS**...*RESIDENTIAL*
22609 **BALES QUARTER HORSES**...*STABLES*
22609 **CLIFF BALES**...*RESIDENTIAL*
22609 **ROBIN BALES**...*RESIDENTIAL*

2012 HONEY CREEK RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20662 **MELANIE CHAPMAN**...*RESIDENTIAL*
20662 **MIDWEST INSULATION INC**...*INSULATION CONTRACTORS-COLD & HEAT*
20662 **RICHARD CHAPMAN**...*RESIDENTIAL*
20676 **ROBERT HAND**...*RESIDENTIAL*
20780 **JANICE NEWBERRY**...*RESIDENTIAL*
20780 **JERRY NEWBERRY**...*RESIDENTIAL*
20842 **BERNICE GERGICK**...*RESIDENTIAL*
20842 **ROSE GERGICK**...*RESIDENTIAL*
22748 **NAOLA VAUGHN**...*RESIDENTIAL*
22748 **PHILLIP VAUGHN**...*RESIDENTIAL*
22748 **QUALITY REPORTING SVC INC**...*MISCELLANEOUS PERSONAL SERVICES NEC*

2007 206TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15833 **JEFFERY & JANICE KAIGHIN**...*RESIDENTIAL*
15871 **S & AMY T HOFFSETT**...*RESIDENTIAL*
15912 **FRED SCHELLER**...*RESIDENTIAL*
15912 **SCHELLER HOMES INC**...*HOME BUILDERS*
15943 **TRAVIS FREEMAN**...*RESIDENTIAL*
16137 **TERRY FREEMAN**...*RESIDENTIAL*
16137 **TROY L FREEMAN**...*RESIDENTIAL*
16142 **G MONTGOMERY**...*RESIDENTIAL*
16254 **DENNIS L SIVITS**...*RESIDENTIAL*
16320 **S W STANHOPE**...*RESIDENTIAL*
16625 **JOSEPH W BARAGARY**...*RESIDENTIAL*
16909 **K N STURGEON**...*RESIDENTIAL*
16909 **STEVEN STURGEON**...*RESIDENTIAL*
16927 **SUSAN STURGEON**...*RESIDENTIAL*
16950 **ROD & LINDA STURGEON**...*RESIDENTIAL*
17047 **WILLIAM L READY**...*RESIDENTIAL*

2007 214TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15812 **2XTREME RACING**...*RACE TRACK EQUIPMENT & SUPPLIES*
15812 **CHARLES P MCMILLON**...*RESIDENTIAL*
15812 **JIMMY & DAWN CRETEN**...*RESIDENTIAL*
15812 **JIMMY CRETEN**...*RESIDENTIAL*
17075 **MARK ELSTON**...*RESIDENTIAL*
17075 **PETE & ROBERTA ANGELL**...*RESIDENTIAL*

2007 222ND ST

SOURCE: DIGITAL BUSINESS DIRECTORY

16220 **TOM J III SMITH**...*RESIDENTIAL*
16220 **TOM J SMITH**...*RESIDENTIAL*
16281 **ED & TESA FREEMAN**...*RESIDENTIAL*
16680 **SHORTY & PAT HULL**...*RESIDENTIAL*

2007 BUSINESS PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2007 HEMPHILL RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20735 **HERBERT ARMSTRONG**...*RESIDENTIAL*
20767 **FRED MAYES**...*RESIDENTIAL*
20801 **JIMMIE L LAMBERT**...*RESIDENTIAL*
20909 **SANDY NELSON**...*RESIDENTIAL*
20932 **JOHN WICKEY**...*RESIDENTIAL*
21018 **DON & BETH GATEWOOD**...*RESIDENTIAL*
21020 **LUCILLE ESKRIDGE**...*RESIDENTIAL*
21051 **STEVE LUTZ**...*RESIDENTIAL*
21210 **DOUGLAS W MCCORD**...*RESIDENTIAL*
21212 **VICKIE HILLERS**...*RESIDENTIAL*
21580 **TIM & RENE MCCRACKEN**...*RESIDENTIAL*
22609 **BALES QUARTER HORSES**...*STABLES*
22609 **CLIFF BALES**...*RESIDENTIAL*

2007 HONEY CREEK RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20662 **MIDWEST INSULATION INC**...*INSULATION CONTRACTORS-COLD & HEAT*
20662 **RICHARD CHAPMAN**...*RESIDENTIAL*
20676 **MARK L STORHAUG**...*RESIDENTIAL*
20676 **MARK STORHAUG**...*RESIDENTIAL*
20780 **JERRY & JAN NEWBERRY**...*RESIDENTIAL*
20842 **ROSE M GERGICK**...*RESIDENTIAL*
21051 **MICHAEL SPARKS**...*RESIDENTIAL*
22361 **DARWIN LUTHI**...*RESIDENTIAL*
22361 **MEISSA ADDISON**...*RESIDENTIAL*
22748 **HARRY J JR WALKER**...*RESIDENTIAL*
22748 **QUALITY REPORTING SVC INC**...*MISCELLANEOUS PERSONAL SERVICES NEC*

2003 206TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15833 **JEFFERY J KAIGHIN**...*RESIDENTIAL*
15912 **FRED SCHELLER**...*RESIDENTIAL*
15912 **SCHELLER HOMES INC**
15943 **LARRY A FREEMAN**...*RESIDENTIAL*
16137 **TERRY FREEMAN**...*RESIDENTIAL*
16137 **TROY L FREEMAN**...*RESIDENTIAL*
16254 **DENNIS L SIVITS**...*RESIDENTIAL*
16320 **S W STANHOPE**...*RESIDENTIAL*
16625 **JOSEPH W BARAGARY**...*RESIDENTIAL*
16909 **K N STURGEON**...*RESIDENTIAL*
16909 **STEVEN STURGEON**...*RESIDENTIAL*
16927 **DONALD STURGEON**...*RESIDENTIAL*
16950 **ROD & LINDA STURGEON**...*RESIDENTIAL*
17047 **WILLIAM L READY**...*RESIDENTIAL*

2003 214TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15812 **CHARLES P MCMILLON**...*RESIDENTIAL*
15812 **JIMMY CRETEN**...*RESIDENTIAL*

2003 222ND ST

SOURCE: DIGITAL BUSINESS DIRECTORY

16281 **ERNESTO FLORES**...*RESIDENTIAL*
16408 **BRIAN FREESE**...*RESIDENTIAL*
16408 **JEFFREY FREESE**...*RESIDENTIAL*
16680 **SHORTY & PAT HULL**...*RESIDENTIAL*

2003 BUSINESS PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2003 HEMPHILL RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20767 **FRED MAYES**...*RESIDENTIAL*
20801 **JIMMIE L LAMBERT**...*RESIDENTIAL*
20909 **SANDY NELSON**...*RESIDENTIAL*
20932 **JOHN WICKEY**...*RESIDENTIAL*
21210 **DOUGLAS W MCCORD**...*RESIDENTIAL*
22609 **JOHN H SCHLUP**...*RESIDENTIAL*

2003 HONEY CREEK RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20676 **SUSAN C STURGEON**...*RESIDENTIAL*
20780 **JERRY& JAN NEWBERRY**...*RESIDENTIAL*
21051 **T J SMITH**...*RESIDENTIAL*
22361 **CURT & RACHEL BIGGE**...*RESIDENTIAL*

2000 206TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15912 **FRED SCHELLER**...*RESIDENTIAL*
15912 **SCHELLER HOMES INC**
15943 **CRAIG GARRY**...*RESIDENTIAL*
15943 **LARRY A FREEMAN**...*RESIDENTIAL*
16137 **TERRY FREEMAN**...*RESIDENTIAL*
16137 **TROY L FREEMAN**...*RESIDENTIAL*
16254 **DENNIS L SIVITS**...*RESIDENTIAL*
16320 **S W STANHOPE**...*RESIDENTIAL*
16625 **JOSEPH W BARAGARY**...*RESIDENTIAL*
16909 **STEVEN STURGEON**...*RESIDENTIAL*
16927 **DONALD STURGEON**...*RESIDENTIAL*
16950 **ROD & LINDA STURGEON**...*RESIDENTIAL*
17019 **WILLIAM L READY**...*RESIDENTIAL*

2000 214TH ST

SOURCE: DIGITAL BUSINESS DIRECTORY

15812 **CHARLES P MCMILLON**...*RESIDENTIAL*

2000 222ND ST

SOURCE: DIGITAL BUSINESS DIRECTORY

16408 **BRIAN FREESE**...*RESIDENTIAL*
16408 **JEFFREY FREESE**...*RESIDENTIAL*
16680 **J ELMER**...*RESIDENTIAL*

2000 BUSINESS PARK DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2000 HEMPHILL RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20735 **THOMAS H WELSH**...*RESIDENTIAL*
20767 **FRED MAYES**...*RESIDENTIAL*
20801 **JIMMIE L LAMBERT**...*RESIDENTIAL*
20801 **JIMMIE L TEEN LAMBERT**...*RESIDENTIAL*
20932 **JOHN WICKEY**...*RESIDENTIAL*
20951 **SANDY NELSON**...*RESIDENTIAL*
21210 **DOUGLAS W MCCORD**...*RESIDENTIAL*
22609 **JOHN H SCHLUP**...*RESIDENTIAL*

2000 HONEY CREEK RD

SOURCE: DIGITAL BUSINESS DIRECTORY

20676 **SUSAN C STURGEON**...*RESIDENTIAL*
20780 **JERRY & JAN NEWBERRY**...*RESIDENTIAL*

1996 206TH ST

SOURCE: COLE

15680	**CHARLES SCOTT**
15833	**JEFFERY J KAIGHIN**
15912	**FRED SCHELLER**
15943	**CRAIG GARRY**
15943	**LARRY A FREEMAN**
16137	**TERRY FREEMAN**
16137	**TROY LEE FREEMAN**
16254	**DENNIS L SIVITS**
16320	**S W STANHOPE**
16320	**SW STANHOPE**
16625	**JOSEPH W BARAGAR**
16625	**JOSEPH W BARAGARY**
16909	**STEVEN STURGEON**
16927	**DONALD STURGEON**
16950	**ROD STURGEON**
17011	**KENNETH SCHOEPFLIN**
17019	**NP**
17047	**WILLIAM L READY**
17101	**KENNETH SCHOEPFLIN**

1996 214TH ST

SOURCE: COLE

15424	**JIM BAKER**
15812	**CHARLES P MCMILLON**
15812	**CRETEN&ASSOCIATES**
17426	**M BRYANT**

1996 222ND ST

SOURCE: COLE

15265	**EDWIN G SEELBINDER**
16051	**C J MCDANIEL**
16408	**BRIAN FREESE**
16408	**JEFFREY FREESE**
16680	**J ELMER**
19330	**ED BOONE**

1996 BUSINESS PARK DR

SOURCE: COLE

STREET NOT LISTED

1996 HEMPHILL RD

SOURCE: COLE

18701	JOE F JENKINS
18701	KEITH OELSCHLAEGER
20735	HOME MNTNC&REPAIR
20735	THOMAS H WELSH
20735	TN T ENTERPRISES
20767	FRED MAYES
20801	JIMMIE L LAMBERT
20909	SANDY NELSON
20932	JOHN WICKEY
20951	NP
21210	DOUGLAS W MCCORD
22609	JOHN H SCHLUP
22895	THOMAS R VORBECK
22924	REAGAN MALONE
24988	WAYNE MCMULLEN

1996 HONEY CREEK RD

SOURCE: COLE

20676	SUSAN C STURGEON
20780	JERRY NEWBERRY
21051	T J SMITH
22361	CURT BIGGE
22950	KENT QUARLES

1991 206TH ST

SOURCE: COLE

STREET NOT LISTED

1991 214TH ST

SOURCE: COLE

STREET NOT LISTED

1991 222ND ST

SOURCE: COLE

STREET NOT LISTED

1991 BUSINESS PARK DR

SOURCE: COLE

STREET NOT LISTED

1991 HEMPHILL RD

SOURCE: COLE

STREET NOT LISTED

1991 HONEY CREEK RD

SOURCE: COLE

STREET NOT LISTED

1987 **206TH ST**

SOURCE: COLE

STREET NOT LISTED

1987 **214TH ST**

SOURCE: COLE

STREET NOT LISTED

1987 222ND ST

SOURCE: COLE

STREET NOT LISTED

1987 BUSINESS PARK DR

SOURCE: COLE

STREET NOT LISTED

1987 HEMPHILL RD

SOURCE: COLE

STREET NOT LISTED

1987 HONEY CREEK RD

SOURCE: COLE

STREET NOT LISTED

HISTORICAL DOCUMENTATION: FIRE INSURANCE MAPS

FIRE INSURANCE MAPS

Project Property: Vacant Land
Vacant Land Tonganoxie KS 66086
Project No: 06032790-3
Requested By: Intertek PSI
Order No: 26071000971
Date Completed: July 11, 2026

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

ENVIRONMENTAL DATABASE REPORT

DATABASE REPORT

Project Property:	*Vacant Land* *Vacant Land* *Tonganoxie KS 66086*
Project No:	*06032790-3*
Report Type:	*Database Report*
Order No:	*26071000971*
Requested by:	*Intertek PSI*
Date Completed:	*July 10, 2026*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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

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Executive Summary

Property Information:

Project Property:		*Vacant Land* *Vacant Land Tonganoxie KS 66086*
Project No:		*06032790-3*
Coordinates:		
	Latitude:	*39.07043238*
	Longitude:	*-95.08159645*
	UTM Northing:	*4,326,654.84*
	UTM Easting:	*319,921.52*
	UTM Zone:	*15S*
Elevation:		*976 FT*

Order Information:

Order No:	*26071000971*
Date Requested:	*July 10, 2026*
Requested by:	*Intertek PSI*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (with Project Boundaries)*
City Directory Search	*Smart CD Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*
Vapor Screening Tool	*Vapor Screening Tool*

Executive Summary: Report Summary

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

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
DELISTED SHWS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	**1**	0	0	-	**1**
LUST	Y	0.5	0	0	0	0	-	0
LAST	Y	0.5	0	0	0	0	-	0
LST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.125	0	0	-	-	-	0
AST	Y	0.25	0	0	0	-	-	0
TANK	Y	0.25	0	0	0	-	-	0
DELISTED STORAGE TANK	Y	0.25	0	0	0	-	-	0
INST	Y	PO	0	-	-	-	-	0
VCP	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.125	0	0	-	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							
Additional Environmental Records								
Federal								
OSC RESPONSE	Y	0.125	0	0	-	-	-	0
PFAS GHG	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0

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

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
POWER PLANTS	Y	0.125	0	0	-	-	-	0
NPDES BIOSOLIDS	Y	PO	0	-	-	-	-	0
State								
DRYC REM REL	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
SPILLS	Y	0.125	0	**1**	-	-	-	**1**
PFAS	Y	0.5	0	**1**	0	0	-	**1**
CDL	Y	0.125	0	0	-	-	-	0
TIER 2	Y	0.125	0	0	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
Total:			*0*	***4***	*0*	*0*	*0*	***4***

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	PFAS	CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)	214th Street Tonganoxie KS	E	0.01 / 29.41	-61	17
1	SWF/LF	CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)	214th Street Tonganoxie KS	E	0.01 / 29.41	-61	17
2	RCRA VSQG	HILLS TONGANOXIE MANUFACTURING SITE	21955 BUSINESS PARK DRIVE TONGANOXIE KS 66086 ***Handler ID*	*Recycler Activity?:*** KSR749295114 | NO	NNW	0.09 / 470.79	3	17
2	SPILLS		21955 Business Park Drive Tonganoxie KS ***Spill No*	*Spill Status:*** 24-00217 | Closed	NNW	0.09 / 470.79	3	22

Executive Summary: Summary by Data Source

Standard

Federal

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated May 17, 2026 has found that there are 1 RCRA VSQG site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
HILLS TONGANOXIE MANUFACTURING SITE	21955 BUSINESS PARK DRIVE TONGANOXIE KS 66086	NNW	0.09 / 470.79	2
	Handler ID **|** ***Recycler Activity?****: KSR749295114*	*NO*		

State

SWF/LF - Solid Waste Disposable Facilities

A search of the SWF/LF database, dated Sep 25, 2024 has found that there are 1 SWF/LF site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)	214th Street Tonganoxie KS	E	0.01 / 29.41	1

Non Standard

State

SPILLS - Kansas Spills Database

A search of the SPILLS database, dated Jun 7, 2026 has found that there are 1 SPILLS site(s) within approximately 0.12miles of the project property.

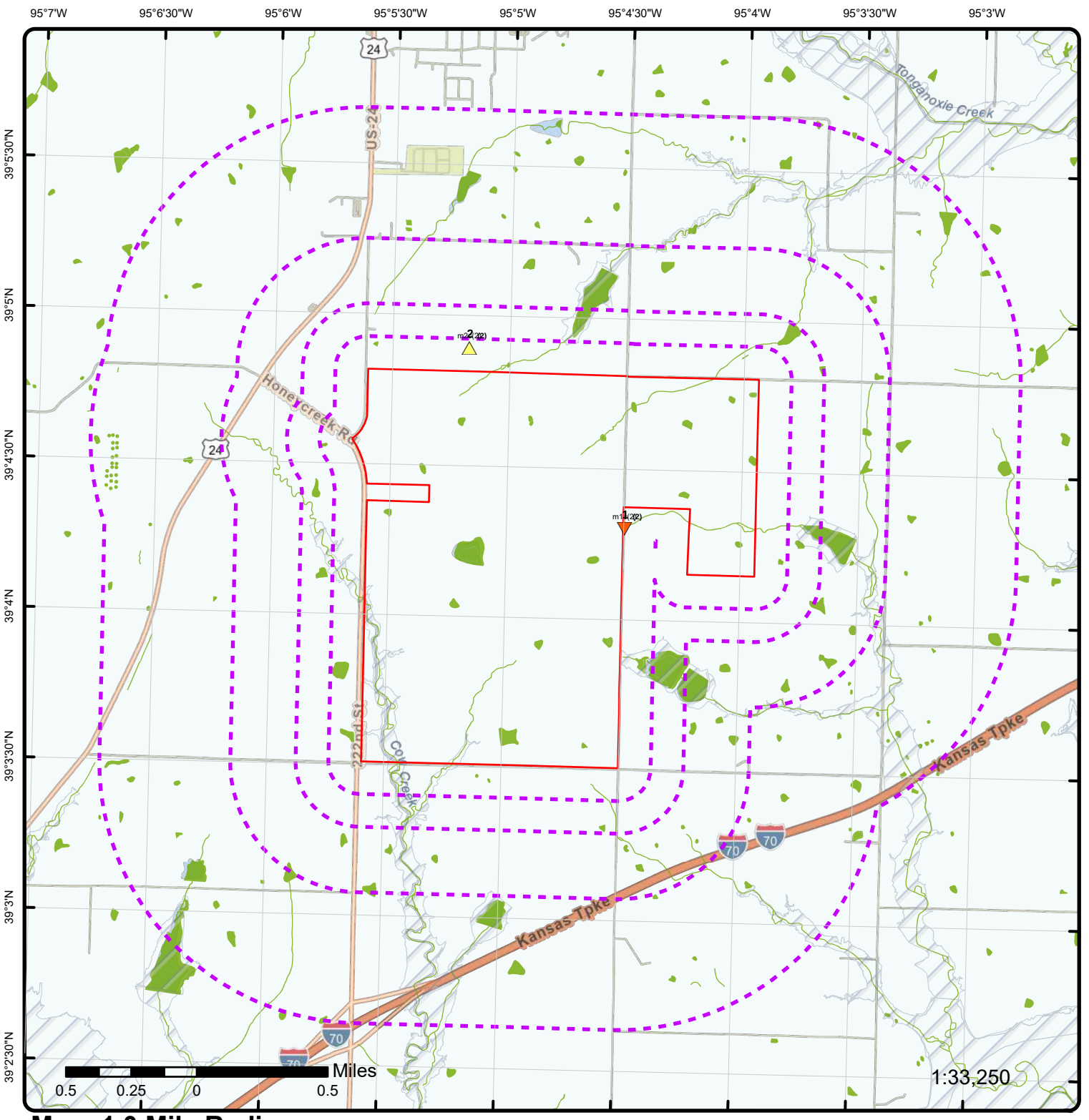
Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	21955 Business Park Drive Tonganoxie KS	NNW	0.09 / 470.79	2
	Spill No **|** ***Spill Status****: 24-00217*	*Closed*		

PFAS - Inventory of potential Perfluoroalkyl substances (PFAS) sites in Kansas

A search of the PFAS database, dated Jun 30, 2019 has found that there are 1 PFAS site(s) within approximately 0.50miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)	214th Street Tonganoxie KS	E	0.01 / 29.41	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key



Map: 1.0 Mile Radius

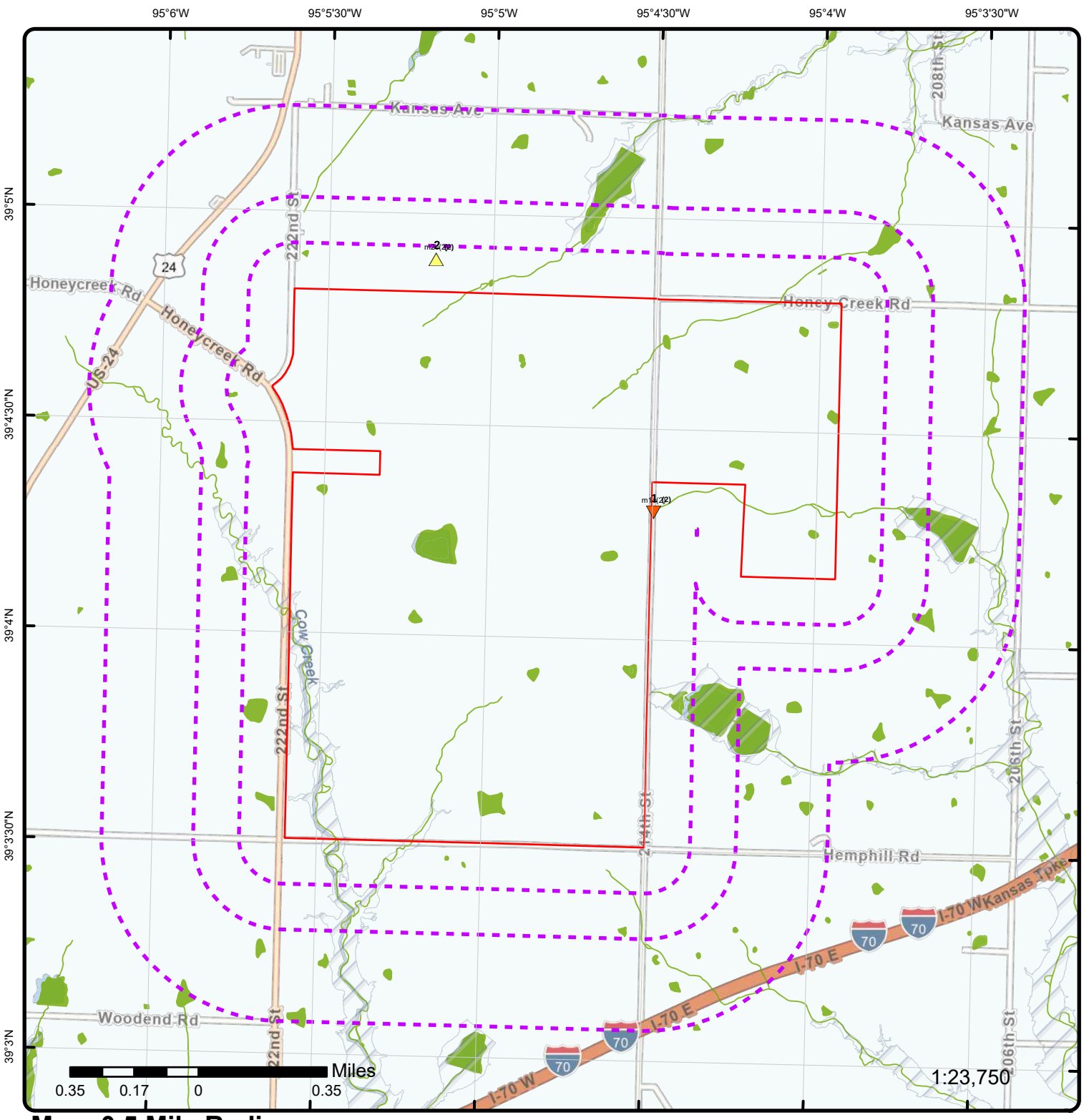
Order Number: 26071000971

Address: Vacant Land, Tonganoxie, KS

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

Source: © 2021 ESRI StreetMap Premium

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Map: 0.5 Mile Radius

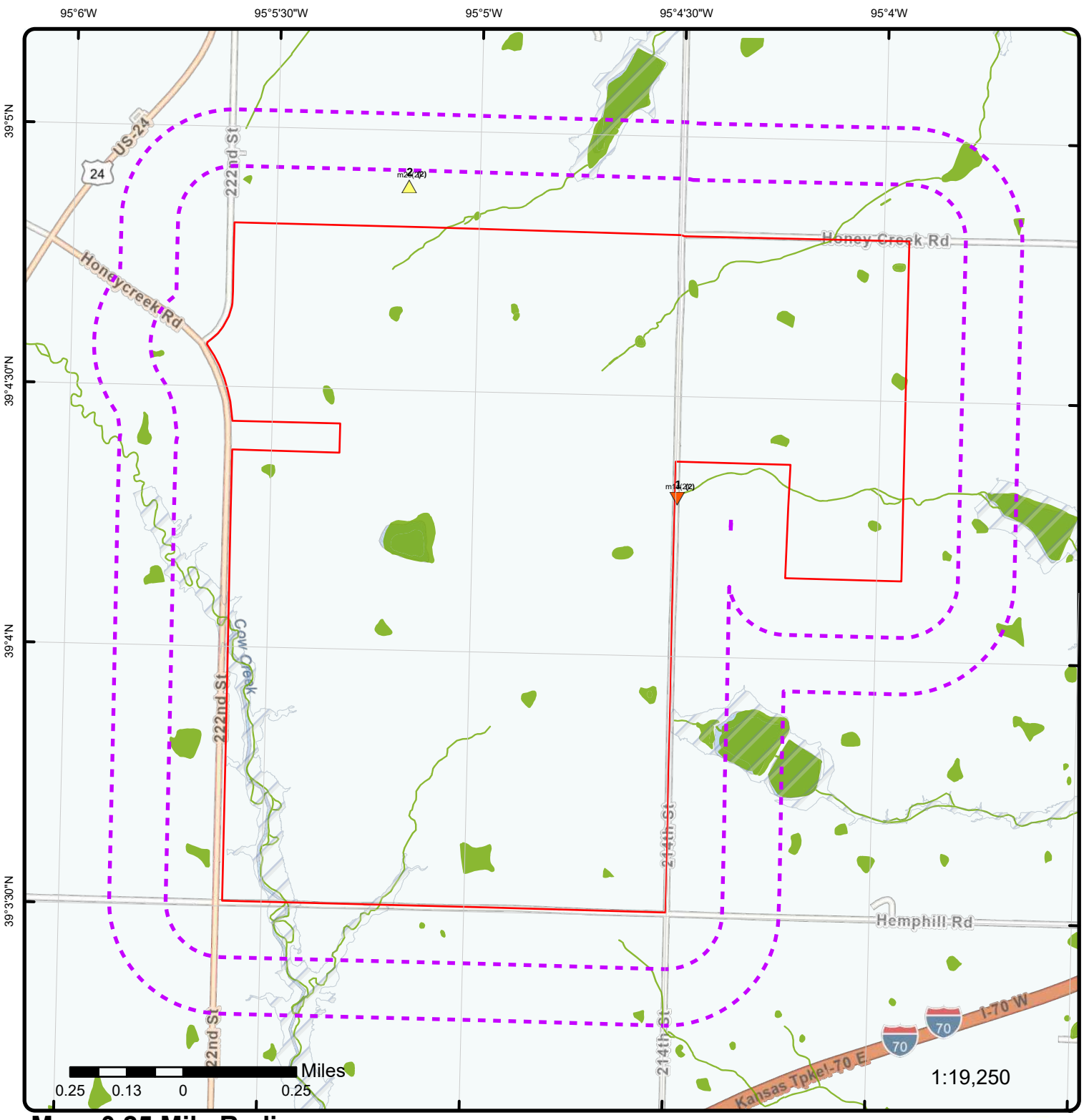
Order Number: 26071000971

Address: Vacant Land, Tonganoxie, KS

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

Source: © 2021 ESRI StreetMap Premium

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Map: 0.25 Mile Radius

Order Number: 26071000971

Address: Vacant Land, Tonganoxie, KS

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

Source: © 2021 ESRI StreetMap Premium

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Aerial

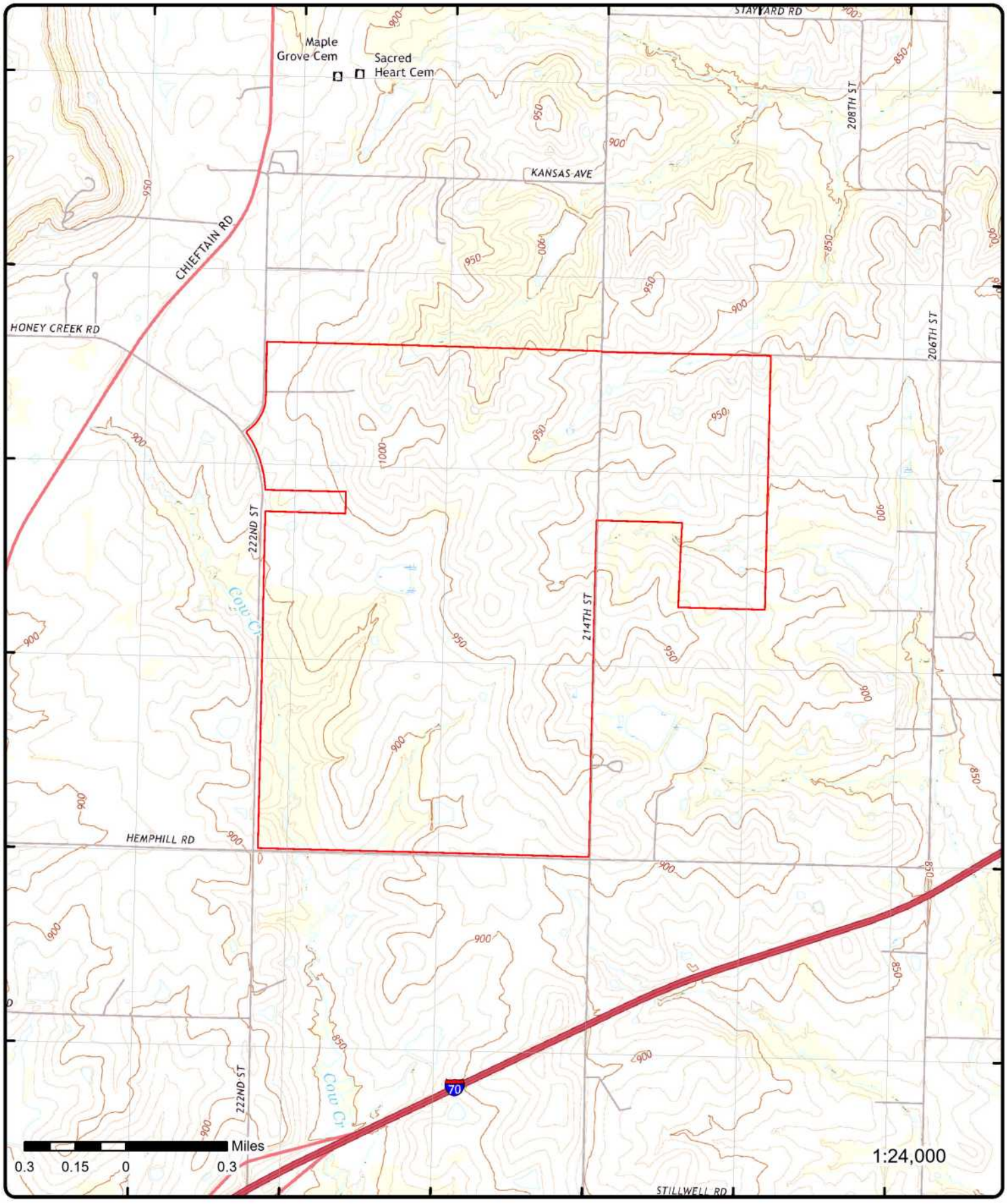
Year: 2024

Order Number: 26071000971

Address: Vacant Land, Tonganoxie, KS

Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Year: 2022

Order Number: 26071000971

Address: Vacant Land, KS

Quadrangle(s): Tonganoxie KS, Midland KS

Source: USGS Topographic Map

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of2	E	0.01 / 29.41	915.53 / -61	CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776) 214th Street Tonganoxie KS	PFAS

ID No: 3180
DNS No:
Line of Business:
Year Started:
Contact:
Title:
Phone:
Doing Business as:
Type: Landfills
SIC Code Description:
NAICS Code Description:

SIC Code:
NAICS Code:
County: Leavenworth
State: KS
Latitude: -95.07494
Longitude: 39.071701
Map No: 52

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of2	E	0.01 / 29.41	915.53 / -61	CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776) 214th Street Tonganoxie KS	SWF/LF

ID: 1776

KDHE Closed City Dump Cleanup Program

Permit No: never permitted
Permit Type: D-dump
Permit Types: Special Landfill
Point X: -95.07493258344826
Point Y: 39.07173276298956
Latitude: -95.07494
Longitude: 39.0717
Directions:
Fac Name: CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)
Fac Nm Rpt: CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)-1776
Link SW Rpt: https://www.reports.esriuk.com/view-report/6ee870537ff14472954f8bc39dbea3b2/1776
Status: Closed: post-closure care completed/not required

Address: 214th Street
City: Tonganoxie
Collect Method: Ranger postprocessing
County: Leavenworth
Own Nm: Paul McKie
Own Type: Private

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of2	NNW	0.09 / 470.79	979.12 / 3	HILLS TONGANOXIE MANUFACTURING SITE 21955 BUSINESS PARK DRIVE TONGANOXIE KS 66086	RCRA VSQG

Handler ID: KSR749295114
Generator Status: VSG
Recycler Activity?: NO
Recycler Activity Note: This facility has not been identified as a Recycler Facility from both the RCRA Handler and Biennial Report Modules.

Violation/Evaluation Summary

Note: NO RECORDS: As of May 2026, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer:	No	***Used Oil Transpor:***	No
Mixed Waste Gen:	No	***Used Oil Trans Fac:***	No
Transporter:	No	***Used Oil Processor:***	No
Transfer Facility:	No	***Used Oil Refiner:***	No
Recycler:	No	***Used Oil Burner:***	No
Onsite Burner Exem:	No	***Commercial TSD:***	No
Furnace Exemption:	No	***Recycl Nonstorage:***	No
Underground Injec:	No		
Used Oil Market Burner:	No		
Used Oil Spec Marketer:	No		

Additional Handler Summary Details

Source Type:	N	***NAIC 1:***	311111
Seq No:	4	***NAIC 2:***	
Non Notifier:		***NAIC 3:***	
Receive Date:	20260121	***NAIC 4:***	
Active Site:	H----	***State:***	KS
Land Type:	P	***Location Latitude:***	39.083342
In Handler Univ:	Yes	***Location Longitude:***	-95.089197
In A Universe:	Yes	***Loc GIS Primary:***	No
Gen Status:	VSG	***Loc GIS Origin:***	AG
Report Cycle:		***State District Owner:***	
Accessibility:		***State District:***	
Region:	07		
Fed Waste Gen Owner:	HQ		
State Waste Generator Owner:	KS		
State Waste Generator:	Q		
Short Term Generator:	No		
Uni Waste:	No		
Universal Waste Dest Facility:	No		
Federal Universal Waste:	No		
As Federally Regulated Tsdf:	------		
As Converter Tsdf:	------		
As State Regulated Tsdf:	------		
As State Regulated Handler:	---		
Federal Indicator:	---		
Hsm:	N		
Subpart K:	----		
GPRA Permit:	N		
GPRA Renewal:	N		
Permit Renewal Wrkld:	------		
Permwrk ID:	------		
Perm Prog:	------		
Pcwrkld:	------		
Closwrkld:	------		
GPRA Ca:	No		
Cawrkld:	No		
Subjca Tsd Discretion:	No		
NCAPS:	No		
EC Indicator:	N		
Ca725 Indicator:	N		
Ca750 Indicator:	N		
Operating Tsdf:	------		
Full Enforcement:	------		
Snc:	No		
Unaddressed Snc:	No		
Addressed Snc:	No		
Snc With Comp Sched:	No		
Fa Required:	-----		
Hhandler Last Change:	20260516		
Recognized Trader Importer:	No		
Recognized Trader Exporter:	No		
Slab Importer:	No		

Slab Exporter:	No
Manifest Broker:	No
Subpart P:	N
Contact Language:	EN
Handler Name:	HILLS TONGANOXIE MANUFACTURING SITE
Location Street No:	
Location Street1:	21955 BUSINESS PARK DRIVE
Location Street2:	
Location City:	TONGANOXIE
Location State:	KS
Location Zip:	66086
Location County Code:	KS103
Location County Name:	LEAVENWORTH
Location Country:	US
Contact Name:	CHAD SHARP
Contact Street No:	
Contact Street1:	21955 BUSINESS PARK DRIVE
Contact Street2:	
Contact City:	TONGANOXIEE
Contact State:	KS
Contact Zip:	66086
Contact Country:	US
Contact Phone & Ext:	785-249-9036
Contact Fax:	
Contact Email Address:	CHAD_SHARP@HILLSPET.COM
Contact Title:	PLANT MANAGER
Owner Name:	JOSE BORRELL
Owner Type:	P
Owner Seq:	2
Operator Name:	CHAD SHARP
Operator Type:	P
Operator Seq:	1
Public Notes:	

No changes need made at this time.

Hazardous Waste Handler Details

Seq No:	1
Receive Date:	20230622
Handler Name:	HILLS TONGANOXIE MANUFACTURING SITE
Fed Waste Generator:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Notification
TSD Activity:	N

Waste Code Details

Waste Code:	D001
Waste Code Desc:	IGNITABLE WASTE
Waste Code:	D002
Waste Code Desc:	CORROSIVE WASTE
Waste Code:	D003
Waste Code Desc:	REACTIVE WASTE
Waste Code:	D035
Waste Code Desc:	METHYL ETHYL KETONE
Waste Code:	F003
Waste Code Desc:	THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN

PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 2
Receive Date: 20240618
Handler Name: HILLS TONGANOXIE MANUFACTURING SITE
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D003
Waste Code Desc: REACTIVE WASTE

Waste Code: D035
Waste Code Desc: METHYL ETHYL KETONE

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 3
Receive Date: 20250319
Handler Name: HILLS TONGANOXIE MANUFACTURING SITE
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D003
Waste Code Desc: REACTIVE WASTE

Waste Code: D035
Waste Code Desc: METHYL ETHYL KETONE

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Seq No: 4
Receive Date: 20260121
Handler Name: HILLS TONGANOXIE MANUFACTURING SITE
Fed Waste Generator: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification
TSD Activity: N

Waste Code Details

Waste Code: D001
Waste Code Desc: IGNITABLE WASTE

Waste Code: D002
Waste Code Desc: CORROSIVE WASTE

Waste Code: D003
Waste Code Desc: REACTIVE WASTE

Waste Code: D035
Waste Code Desc: METHYL ETHYL KETONE

Waste Code: F003
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Code Desc: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON

DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Private	***Street1:***	21955 BUSINESS PARK DRIVE
Name:	CHAD SHARP	***Street2:***	
Dt Became Current:	20210712	***City:***	TONGANOXIE
Dt Ended Current:		***State:***	KS
Phone:		***Country:***	US
Source Type:	Notification	***Zip:***	66086

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Private	***Street1:***	21955 BUSINESS PARK DRIVE
Name:	JOSE BORRELL	***Street2:***	
Dt Became Current:	20210712	***City:***	TONGANOXIE
Dt Ended Current:		***State:***	KS
Phone:		***Country:***	US
Source Type:	Notification	***Zip:***	66086

Historical Handler Details

Receive Dt:	20250319
Generator Code Description:	Very Small Quantity Generator
Handler Name:	HILLS TONGANOXIE MANUFACTURING SITE

Receive Dt:	20240618
Generator Code Description:	Very Small Quantity Generator
Handler Name:	HILLS TONGANOXIE MANUFACTURING SITE

Receive Dt:	20230622
Generator Code Description:	Very Small Quantity Generator
Handler Name:	HILLS TONGANOXIE MANUFACTURING SITE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	2 of2	NNW	0.09 / 470.79	979.12 / 3	21955 Business Park Drive Tonganoxie KS	SPILLS

Spill No:	24-00217	***Lead Agency:***	KDHE
Incident ID:	9187	***LEPC Notified:***	No
Spill Stage:		***County:***	Leavenworth
Spill Date:	2024-05-14 01:50:00 UTC	***District:***	NE
DAT Spill Date:		***KCC District:***	
Closed Date:	2025-08-22 14:40:00 UTC	***Inc. QTR1:***	
Material 1 Name:		***Inc. QTR2:***	
Material 2 Name:		***Inc. QTR3:***	
Mat 1 Rec Comm:		***Inc. QTR4:***	
Mat 2 Rec Comm:		***Inc. Range:***	
Material 1 Unit:		***Inc. Section:***	
Material 2 Unit:		***Inc. State:***	
Inv Agency:		***Inc. Township:***	
Rep Org ID:		***Inc. Zip:***	
Rep Name:		***Entry by:***	
Rep Org Type:		***Latitude D:***	
Rep Address:		***Latitude M:***	
Rep State:		***Latitude S:***	
Rep Zip:		***Longitude D:***	
Rep City:		***Longitude M:***	
Rep By:		***Longitude S:***	
Rep Phone:		***Latitude:***	38.544205
Rep Ext:		***Longitude:***	-97.150978
Medium Affected:	Soil		

Spill Status:	Closed
Spill Cause:	Equipment failure
Other Cause:	
Source of Spill:	Fixed facility
Other Source:	
Other Medium:	
Material Combo:	10.000 Gallons Unknown UnitsNon Contact Cooling Tower Water;12 Gallons Unknown UnitsMotor Oil
Cleanup Method:	
Cleanup Description:	
Spiller Action Taken:	
Approx Location:	
Water Way Name:	NA
Water Way Type:	NA
Detail Report:	https://www.reports.esriuk.com/view-report/0939d006477e431ca324d5f78a6d4364/24-00217
Web Map Link:	https://www.reports.esriuk.com/view-report/0939d006477e431ca324d5f78a6d4364/24-00217
Legal Township:	
Legal Section:	
Legal Range:	
Spiller Action Taken:	

Spill Details

Facility No:		**Hours Worked 1:**	
Spiller License:		**Hours Worked 2:**	
EPA Spill No:		**Site Visit By KDHE:**	
KCC Spill No:		**Material Amount 1:**	
NRC No:		**Mat Amount 1 Comm:**	
Old Spill No7:		**Material Case 1:**	
Discharger Org ID:		**Mat in Water 1:**	
Incident Date:	2024-05-13 07:00:00 UTC	**Mat in Wtr 1 Comm:**	
Discovery Time:		**Mat Recovered 1:**	
Spill Time:		**Material Unit 1:**	
Reported Time:		**KDHE Notif List:**	
Spill or Complaint:		**Confi Requested:**	
Through NRC:		**Spl Report Inci:**	
Updated by:		**Follow up Required:**	
Investigated By 1:		**Resp Req by Date:**	
Investigated By 2:		**Notified:**	
Investigated By 3:		**No of Deaths:**	
Organization Type:		**Contact Name:**	
Highway Type:		**Address:**	
Act Evacuation:		**City:**	
No of Injuries:		**State:**	
Prop Dam>$50,000:		**Zip:**	
NRC Notified:	No	**Phone:**	
Init Entry Cmpltd:		**Ext:**	
Method Recv Call:		**Point X:**	-97.15096983100277
Noti Received by:		**Point Y:**	38.544198709501714
Vehicle ID/Carrier No:			
Discharger:	Hill's Pet Nutrition		
Material Type:	Other;		
FID:			
A11:			
A12:			
A13:			
A14:			
Act Responders:			
Comments:			

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID

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

Unplottable Report

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

Appendix: Database Descriptions

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

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

Standard Environmental Record Sources

Federal

National Priority List: NPL

The U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL) includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program, based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. This data includes NPL sites represented as polygons, where available, that can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Currently on the Final NPL (F)' and/or the 'Site is Part of NPL Site (A)'. These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. As site investigation and remediation progress, OUs may be added, modified or refined. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 31, 2026

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the U.S. Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 31, 2026

Deleted NPL: DELETED NPL

Sites deleted from the U.S. Environmental Protection Agency (EPA)'s National Priorities List (NPL). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites represented as polygons, where available, can be sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). These site boundaries represent the footprint of a whole site, the sum of all the Operable Units (OUs) and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 31, 2026

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the EPA's Facility Registry Service map tool. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 26, 2026

Inventory of Open Dumps, June 1985: ODI

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

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file. This data may also include applicable sites represented as polygons sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS), and is limited to those sites where the NPL Status reflects the site is 'Not on the NPL (N)' , 'Removed from Proposed (R)', and/or 'Pre-Proposal Site (S)'. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Mar 26, 2026

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

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

Government Publication Date: Dec 31, 1998

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

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

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

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

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: May 17, 2026

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: May 17, 2026

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste. This list also includes RCRAInfo sites that have notified as LQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: May 17, 2026

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month. This list also includes RCRAInfo sites that have notified as SQGs that do not have a registered Site Manager or Certifier in RCRAInfo.

Government Publication Date: May 17, 2026

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: May 17, 2026

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: May 17, 2026

RCRA Sites with Controls: RCRA CONTROLS

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

Government Publication Date: May 17, 2026

Federal Engineering Controls-ECs: FED ENG

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

Government Publication Date: Mar 26, 2026

Federal Institutional Controls- ICs: FED INST

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

Government Publication Date: Mar 26, 2026

Land Use Controls Information System: LUCIS

The Land Use Controls Information System (LUCIS) database is sourced from the U.S. Department of the Navy (DON). This data contains information for former Base Realignment and Closure (BRAC) properties across the United States. DON's BRAC office was tasked with tracking certain base closures while requiring the prevention of risks to human health and the environment of those properties with LUCs in place. Regarding currently available LUC Sites data, the sites listing is limited to centroid point locations for the overall installation property boundaries. Formerly obtained LUC Sites data may reflect site details that applied previously for a BRAC property.

Government Publication Date: Jun 13, 2024

Institutional Control Boundaries at NPL sites: NPL IC

These boundaries of Institutional Control areas at sites on the U.S. Environmental Protection Agency's (EPA) National Priorities List (NPL), or as Proposed or Deleted, are sourced from the EPA NPL Superfund Site Boundaries dataset, refreshed by the Shared Enterprise Geodata and Services (SEGS). The EPA's NPL includes the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Data provided by external parties is not independently verified by EPA. This boundary data is made available to the public strictly for informational purposes.

Government Publication Date: Mar 31, 2026

Emergency Response Notification System: ERNS 1982 TO 1986

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

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

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

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

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

Government Publication Date: Apr 12, 2026

Brownfields Properties: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. This list of Brownfields Properties is provided by the United States Environmental Protection Agency (EPA) and is sourced from the Cleanups in My Community (CIMC) web application. The brownfields data are reported by grant recipients through the EPA's Assessment, Cleanup and Redevelopment Exchange System (ACRES). Many properties meet the definition of a brownfield but are not funded by the EPA's program. Such properties may instead be supported by state or local governments, private organizations, or nonprofit entities.

Government Publication Date: Mar 31, 2026

FEMA Underground Storage Tank Listing: FEMA UST

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

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. The list includes FRP facilities sourced from the EPA FOIA office and from previously available Homeland Infrastructure Foundation-Level Data (HIFLD) file/s. Disclaimer: Per the EPA FOIA Office, the verification process for current requested FRP data is undergoing review and revision, and any similar reporting will be made public in Fiscal Year 2027. For this reason, the latest available FOIA file may be incomplete.

Government Publication Date: Jun 1, 2025

Delisted Facility Response Plans: DELISTED FRP

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

Government Publication Date: Jun 1, 2025

Historical Gas Stations: HIST GAS STATIONS

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

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

This list of petroleum refineries is sourced from the U.S. Energy Information Administration (EIA), Refinery Capacity Report. The listing includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year. The geographic area the report covers is the 50 States, the District of Columbia, Puerto Rico, the U.S. Virgin Islands, Guam, and other U.S. possessions. Per the EIA, the facility location data represents the approximate location based on research of publicly available information from sources such as Federal agencies, company websites, and satellite images on public websites.

Government Publication Date: Oct 31, 2024

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

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

Government Publication Date: Jun 5, 2025

LIEN on Property: SEMS LIEN

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

Government Publication Date: Mar 26, 2026

Superfund Decision Documents: SUPERFUND ROD

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

Government Publication Date: Mar 31, 2026

State

Identified Sites List: SHWS

The Identified Sites List (ISL) is a public record of environmentally contaminated sites (Excluding underground and above-ground tank sites). This list is made available by the Kansas Department of Health and Environment, Bureau of Environmental Remediation (BER). The BER ISL dataset is also utilized from the web map provided through the KS Data Access and Support Center (DASC). This database serves a purpose similar to that of the federal Superfund Enterprise Management System (SEMS), functioning as a state-level counterpart for tracking potential hazardous substance release sites.

Government Publication Date: Apr 13, 2026

Delisted Identified Sites: DELISTED SHWS

This database contains environmentally contaminated sites (Excluding underground and above-ground tank sites) that were removed from Kansas Department of Health and Environment's Identified Sites list.

Government Publication Date: Apr 13, 2026

Solid Waste Disposable Facilities: SWF/LF

This list of Solid Waste Facilities and Closed City Dump Cleanup Sites is provided by the Kansas Department of Health and Environment's (KDHE) Bureau of Waste Management (BWM). KDHE regulated solid waste facilities include municipal solid waste Landfills. The Old City Dump Cleanup Program provides funds to cities or counties for the repair of old, unused municipal dump sites; these sites primarily operated between the 1940s and the 1970s before many counties had landfills and prior to the current solid waste regulations. The data includes applicable map layers sourced from KDHE Solid Waste Database Viewer.

Government Publication Date: Sep 25, 2024

Leaking Underground Storage Tank Data: LUST

A list of Leaking Underground Storage Tank (LUST) facilities registered with the Kansas Petroleum Storage Tank Release Trust Funds. This list is made available by the Kansas Department of Health and Environment(KDHE), Bureau of Remediation (BER) Storage Tank Section.

Government Publication Date: May 7, 2026

Aboveground Storage Tank Assessment Database (Leaking Tanks): LAST

A list of Leaking Aboveground Storage Tank (LAST) facilities registered with the Kansas Petroleum Storage Tank Release Trust Funds. This list is made available by the Kansas Department of Health and Environment(KDHE), Bureau of Remediation (BER) Storage Tank Section.

Government Publication Date: May 7, 2026

Leaking Storage Tanks: LST

A list of facilities registered with the Kansas Petroleum Storage Tank Release Trust Funds. This listing includes facilities for which there is not adequate information to determine whether the facility is associated with a leak from an Aboveground tank (LAST) or Underground tank (LUST). Listing made available by the Kansas Department of Health and Environment.

Government Publication Date: Feb 1, 2026

Delisted Leaking Storage Tanks: DELISTED LST

This database contains a list of leaking storage tank sites that were removed from the Petroleum Storage Tank Release Trust Funds, Kansas Department of Health and Environment.

Government Publication Date: May 7, 2026

Underground Storage Tanks: UST

This list of Underground Storage Tank (UST) facilities is made available by the Kansas Department of Health and Environment (KDHE).

Government Publication Date: May 4, 2026

Aboveground Storage Tanks: AST

This list of Aboveground Storage Tank (AST) facilities is made available by the Kansas Department of Health and Environment (KDHE).

Government Publication Date: May 4, 2026

Storage Tank Facilities: TANK

A list of storage tank facilities without associated tank details, not distinguished as either Underground Storage Tanks (UST) or Aboveground Storage Tanks (AST). This facilities listing is made available by the Kansas Department of Health and Environment (KDHE).

Government Publication Date: May 4, 2026

Delisted Storage Tanks: DELISTED STORAGE TANK

This database contains a list of storage tank sites that were removed from the Kansas Department of Health and Environment storage tank database.

Government Publication Date: May 4, 2026

Environmental Use Control/Institutional Control Information: INST

A list of sites with Environmental Use Control/Institutional Control Information in Kansas. This list is made available by the Kansas Department of Health and Environment.

Government Publication Date: Apr 13, 2026

Voluntary Cleanup Sites: VCP

A list of sites registered with the Voluntary Cleanup and Property Redevelopment Program (VCPRP). This list is made available by the Kansas Department of Health and Environment. Under the VCPRP, developers and buyers who perform successful cleanups of contaminated properties that are within established criteria will be granted a "No Further Action" determination by the department, satisfying the regulated community's need for protection from potential future liabilities.

Government Publication Date: Apr 13, 2026

Brownfields: BROWNFIELDS

A list of Brownfield sites in the state of Kansas. This list is made available by Kansas Department of Health and Environment.

Government Publication Date: Apr 13, 2026

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 7, which includes Kansas, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 7, which includes Kansas, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 21, 2025

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

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

Government Publication Date: May 21, 2026

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

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

Government Publication Date: May 21, 2026

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

On-Scene Coordinator Response Sites: OSC RESPONSE

This list of On-Scene Coordinator (OSC) Response Sites is provided by the U.S. Environmental Protection Agency (EPA). OSCs are the federal officials responsible for monitoring or directing responses to all oil spills and hazardous substance releases reported to the federal government. OSCs coordinate all federal efforts with, and provide support and information to local, state, and regional response communities. An OSC is an agent of either EPA or the U.S. Coast Guard (USCG), depending on where the incident occurs. EPA's OSCs have primary responsibility for spills and releases to inland areas and waters. USCG OSCs have responsibility for coastal waters and the Great Lakes. In general, an OSC has the following key responsibilities during and after a response: Assessment, Monitoring, Response Assistance, and Evaluation. The site listing is made available by the EPA's secure Freedom of Information Act (FOIA) process.

Government Publication Date: Mar 24, 2026

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's (EPA) Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. This dataset is sourced from the EPA through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools, and it includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified as PFAS based on EPA's CompTox Chemicals Dashboard lists of PFAS with defined and undefined structures. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time. Note that some regulatory programs have specified chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard.

Government Publication Date: May 18, 2026

Facility Registry Service/Facility Index: FINDS/FRS

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

Government Publication Date: Jan 1, 2026

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment. This database includes TRI Reporting Data for calendar years 1987 through 2024.

Government Publication Date: Nov 5, 2025

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is provided by the U.S. Environmental Protection Agency (EPA) through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Mar 30, 2026

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

This list of federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS) is made available by the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools data. The EPA outlines that these data are gathered from several federal entities, such as the federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration (NASA), Department of Transportation (DOT), and Department of Energy (DOE). The dates this data was extracted for the PFAS Analytic Tools range from 2022 to 2025 per agency entity dataset. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: May 30, 2025

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

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

Government Publication Date: Aug 1, 2025

National Response Center PFAS Spills: PFAS ERNS

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

Government Publication Date: Apr 27, 2026

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR) permitted facilities, with required monitoring for Per- and Polyfluoroalkyl Substances (PFAS), is provided by the U.S. Environmental Protection Agency (EPA) through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for PFAS, limited to the years 2007 - present. EPA Disclaimer: Currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Mar 30, 2026

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment. This listing includes TRI Reporting Data for calendar years 1987 through 2021 and Preliminary Data for 2022.

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data: PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Feb 2, 2026

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

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

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest: PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is provided by the U.S. Environmental Protection Agency (EPA) through its Enforcement and Compliance History Online (ECHO) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Apr 25, 2026

PFAS Industry Sectors: PFAS IND

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

Government Publication Date: May 4, 2026

Hazardous Materials Information Reporting System: HMIRS

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

Government Publication Date: Jan 29, 2026

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act: TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).
Government Publication Date: Mar 26, 2026

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
Government Publication Date: May 2, 2026

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Apr 19, 2026

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites which once appeared on - and have since been removed from - the list of drycleaner facilities included in Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. This EPA source file tracks facilities that possess NAICS and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Apr 19, 2026

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is sourced from the USACE's Geospatial FUDS Property Point, FUDS Project Point, and FUDS Property Polygon layers which apply to the Fiscal Year 2024 Inventory. DISCLAIMER: Polygon data are based on preliminary findings, and not all properties currently have polygon data available. This data represents the results of data collection/processing for a specific USACE activity and is in no way considered comprehensive or to be used in any legal or official capacity as presented on this site. The USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein.

Government Publication Date: Apr 15, 2026

FUDS Munitions Response Sites: FUDS MRS

This Munitions Response Sites (MRS) dataset is published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) for Fiscal Year 2024 by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial FUDS MRS data layer. The USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein.

Government Publication Date: Apr 15, 2026

Former Military Nike Missile Sites: FORMER NIKE

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

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

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

Government Publication Date: Jan 7, 2026

Material Licensing Tracking System (MLTS): MLTS

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

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

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

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

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

Government Publication Date: May 8, 2026

Surface Mining Control and Reclamation Act Sites: SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 7, 2026

Mineral Resource Data System: MRDS

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

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

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

Government Publication Date: Jan 9, 2026

Alternative Fueling Stations: ALT FUELS

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

Government Publication Date: Jun 4, 2026

Superfunds Consent Decrees: CONSENT DECREES

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

Government Publication Date: Dec 30, 2025

Air Facility System: AFS

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

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

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

Government Publication Date: Sep 26, 2025

Polychlorinated Biphenyl (PCB) Transformers: PCBT

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

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

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

Government Publication Date: Aug 12, 2025

Power Plants: POWER PLANTS

This list of power plants is provided by the U.S. Energy Information Administration (EIA). The listing includes operable electric generating plants in the United States by energy source, originating from the EIA-860, Annual Electric Generator Report; EIA-860M, Monthly Update to the Annual Electric Generator Report; and EIA-923, Power Plant Operations Report. It includes all operable plants by energy source with a combined nameplate capacity of 1 megawatt or more that are operating, are on standby, or out of service for short- or long-term.

Government Publication Date: Jun 5, 2025

NPDES Biosolids Program Permit Holders: NPDES BIOSOLIDS

This Water National Pollutant Discharge Elimination System (NPDES) Biosolids Permits list is sourced from the U.S. Environmental Protection Agency's (EPA) Enforcement and Compliance History Online data. EPA's Integrated Compliance Information System (ICIS) for NPDES includes facility and compliance information for NPDES permits in the ECHO Biosolids facility universe. Per the EPA, when sewage from households and businesses (and sometimes wastewater from industrial dischargers) is sent to a wastewater treatment plant, the liquids are separated from the solids, producing a semi-solid, nutrient-rich product known as "sewage sludge" or "biosolids". The EPA typically uses the term "biosolids" to mean sewage sludge that has been treated to meet the agency's regulatory requirements and is intended to be land applied as a soil conditioner or fertilizer.

Government Publication Date: May 2, 2026

State

Dry Cleaner Remediation & Release Trust Fund Applicant Sites: DRYC REM REL

This list of Dry Cleaner Remediation Sites and Dry Cleaner Facility Release Trust Fund Applicant Sites is maintained by the Bureau of Environmental Remediation (BER) of the Kansas Department of Health and Environment (KDHE). Applicable BER sites are sourced from the KDHE's Kansas Environmental Information Management System (KEIMS).

Government Publication Date: Aug 27, 2025

Dry Cleaner Sites: DRYCLEANERS

This list of currently and formerly registered and Dry Cleaners is maintained by the Bureau of Environmental Remediation (BER) of the Kansas Department of Health and Environment (KDHE). Applicable sites are sourced from the KDHE's Kansas Environmental Information Management System (KEIMS).

Government Publication Date: Aug 27, 2025

Delisted Drycleaners List: DELISTED DRYCLEANERS

List of sites removed from the drycleaners list made available by the Department of Health and Environment.

Government Publication Date: Aug 27, 2025

Kansas Spills Database: SPILLS

A list of Spills, discharges, and emergency release sites reported to the Kansas Department of Health and Environment (KDHE). This list is made available by KDHE.

Government Publication Date: Jun 7, 2026

Inventory of potential Perfluoroalkyl substances (PFAS) sites in Kansas: PFAS

List of sites in the statewide inventory of potential Perfluoroalkyl substances (PFAS) sites in Kansas, made available by the Kansas Department of Health and Environment (KDHE). The KDHE is taking steps to address Per-and polyfluoroalkyl substances (PFAS) in drinking water through a joint investigation conducted by the Bureau of Environmental Remediation and the Bureau of Water, including the development of the statewide inventory and prioritization of potential PFAS sources.

Government Publication Date: Jun 30, 2019

Clandestine Drug Lab Locations: CDL

A list of illegal clandestine drug laboratories that are found throughout Kansas. This list was made available by the Kansas Department of Health and Environment (KDHE) and contains sites only till 2009. KDHE stopped funding the cleanup program in 2009 and now only provides technical advice and clean up guidance.

Government Publication Date: Aug 11, 2013

Tier 2 Report: TIER 2

A list of facilities which have reported hazardous substances to the Kansas Department of Health and Environment under the Kansas and Federal Emergency Planning and Community Right to know Act (EPCRA). Data provided by the Kansas Department of Health and Environment.

Government Publication Date: Sep 11, 2024

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

VAPOR ENCROACHMENT SCREENING DOCUMENTATION

VAPOR SCREENING

Project Property:	*Vacant Land* *Vacant Land* *Tonganoxie KS 66086*
Project No:	*06032790-3*
Report Type:	*Vapor Report*
Order No:	*26071000971v*
Requested by:	*Intertek PSI*
Date Completed:	*July 17, 2026*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

This Report was produced through the ERIS Vapor Screening Tool. The ERIS Vapor Screening Tool and this report output are designed to help those in conducting a Vapor Encroachment Screening on a Property Involved in Real Estate Transactions under the ASTM Standard Designation E2600-22.

The following table lists the data sources searched and any hits in the Area of Concern (AOC) that have been included in the report. The search distances listed are based on search distances used in the Database Report and the search results are grouped based on the minimum default search distances for Chemicals of Concern (COCs) and Petroleum Hydrocarbon Chemicals of Concern (PHCOCs) as outlined in E2600-22. The default AOC may be expanded or reduced by the environmental professional (adjusted AOC) using experience and professional judgment.

Standard Environmental Sources	***Search Distance (miles)****	***Project Property***	***Within 1/10***	***1/10 plus***	***Total***
Federal NPL site list	1.0	0	0	0	0
Federal Delisted NPL site list	0.5	0	0	0	0
Federal CERCLIS list	0.5	0	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0	0
Federal RCRA generators list	0.125	0	1	0	1
Federal institutional control/engineering control registries	0.5	0	0	0	0
Federal ERNS list	PO	0	0	0	0
State and tribal equivalent CERCLIS	1.0	0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	1	0	1
State and tribal leaking storage tank lists	0.5	0	0	0	0
State and Tribal registered storage tank lists	0.25	0	0	0	0
State and tribal institutional control/engineering control registries	PO	0	0	0	0
State and tribal voluntary cleanup sites	0.5	0	0	0	0
State and tribal Brownfield sites	0.5	0	0	0	0
Others	0.5	0	0	0	0
Non Standard Environmental Sources					
Federal Spill sites list	0.125	0	0	0	0
Federal Drycleaner Facilities	0.5	0	0	0	0
State and Tribal Spill sites list	0.125	0	1	0	1
State and Tribal Dry Cleaner Facilities	0.5	0	0	0	0
Others	1.0	0	0	0	0
Federal PFAS sites list	0.5	0	0	0	0
State and Tribal PFAS site list	0.5	0	1	0	1

** Please refer to the Appendix of this report to view specific databases searched within each category. Search distances within each category may vary by database - the largest search radius per category will be displayed.*

Executive Summary: Report Summary

Project Property:	Vacant Land Vacant Land Tonganoxie KS 66086	**PO No:**	06032790-3
		Order No:	26071000971v
Coordinates:	39.07043238, -95.08159645	**Elevation:**	976.29 ft

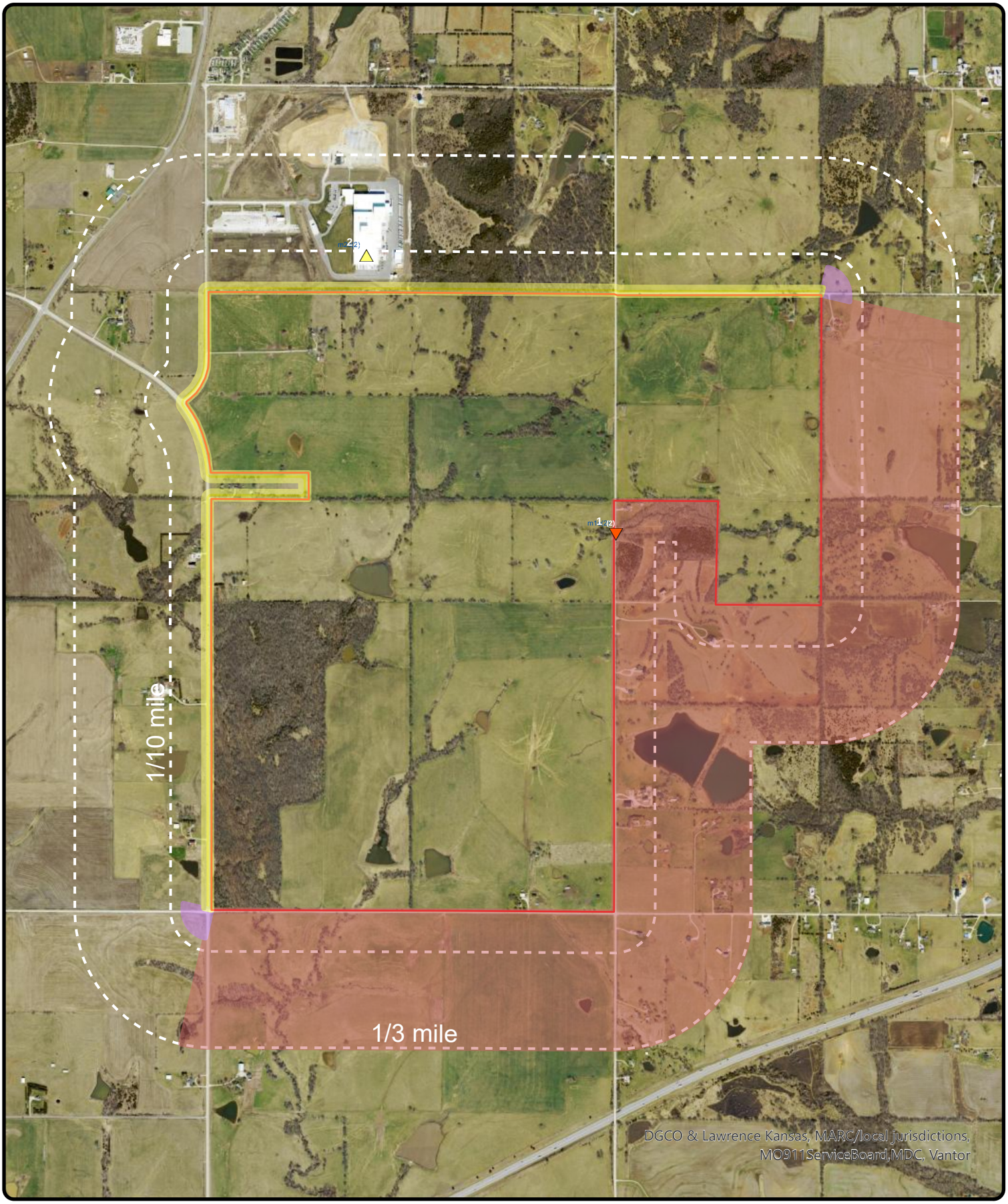
Project Property - Results

Map Key	DB	Company/Site Name	Address	Direction	Distance (m/ft)	Elev Diff (ft)	Page Number

No records for the project property.

Surrounding Properties - Results

Map Key	DB	Company/Site Name	Address	Direction	Distance (m/ft)	Elev Diff (ft)	Page Number
1	PFAS	CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)	214th Street Tonganoxie KS	E	8.96 / 29.41	-61.0	7
1	SWF/LF	CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)	214th Street Tonganoxie KS	E	8.96 / 29.41	-61.0	7
2	RCRA VSQG	HILLS TONGANOXIE MANUFACTURING SITE	21955 BUSINESS PARK DRIVE TONGANOXIE KS 66086 ***Handler ID* | *Recycler Activity?:*** KSR749295114 | NO	NNW	143.5 / 470.79	3.0	7
2	SPILLS		21955 Business Park Drive Tonganoxie KS ***Spill No* | *Spill Status:*** 24-00217 | Closed	NNW	143.5 / 470.79	3.0	7



Address: Vacant Land,Tonganoxie,KS

Order No: 26071000971v

Up-gradient
Down-gradient
Cross-gradients

Sites with Lower Elevation
Sites with Same Elevation
Sites with Higher Elevation

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Address: Vacant Land,Tonganoxie,KS

Order No: 26071000971v

- Sites with Lower Elevation
- Sites with Same Elevation
- Sites with Higher Elevation

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Detail Report

Map Key	Company/Site Name	Address	Distance (m/ft)	Elev Diff (ft)
1	CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776),	214th Street	8.96 / 29.41	-61.0

ASTM Category: State and tribal landfill and/or solid waste disposal site lists
State and Tribal PFAS site list

Vapor Encroachment Details

Impact on Target Property: VEC does not exist

Conditions: N/A

Groundwater Flow Gradient: Down-Gradient

Flow is based on the following:

Preferential Pathway:

Geological Attributes - Hydraulic Barrier:

Geological Attributes - Physical Barrier:

Geological Attributes - Soil Geology:

Comments:

The standard environmental record sources are reviewed and identified that there are not known or suspected sources of COC-contamination within the established area of concern (AOC). (ASTM E2600 8.3.1)

PFAS	*CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)*	*214th Street Tonganoxie*	*State and Tribal PFAS site list*
SWF/LF	*CITY OF TONGANOXIE-MCKIE (052-TON-MCK) (D-1776)*	*214th Street Tonganoxie*	*State and tribal landfill and/or solid waste disposal site lists*

Map Key	Company/Site Name	Address	Distance (m/ft)	Elev Diff (ft)
2	HILLS TONGANOXIE MANUFACTURING SITE,,	21955 BUSINESS PARK DRIVE 21955 Business Park Drive	143.5 / 470.79	3.0

ASTM Category: Federal RCRA generators list
State and Tribal Spill sites list

Vapor Encroachment Details

Impact on Target Property: VEC does not exist

Conditions: NPCOC and PCOC

Groundwater Flow Gradient:

Up-Gradient

Flow is based on the following:

Preferential Pathway:

Geological Attributes - Hydraulic Barrier:

Geological Attributes - Physical Barrier:

Geological Attributes - Soil Geology:

Comments:

The standard environmental record sources are reviewed and identified that there are not known or suspected sources of COC-contamination within the established area of concern (AOC). (ASTM E2600 8.3.1)

RCRA VSQG	*HILLS TONGANOXIE MANUFACTURING SITE*	*21955 BUSINESS PARK DRIVE TONGANOXIE 66086*	*Federal RCRA generators list*
SPILLS		*21955 Business Park Drive Tonganoxie*	*State and Tribal Spill sites list*

Appendix: Database Descriptions

The following are data source listings found in the attached report. For full descriptions, please refer to the associated ERIS Database Report.

DB	*Database Name*	*Publication Date*	*Source*	*Classification*	*ASTM Category*
RCRA VSQG	RCRA Very Small Quantity Generators List	May 17, 2026	Federal	Standard	Federal RCRA generators list
SWF/LF	Solid Waste Disposable Facilities	Sep 25, 2024	State	Standard	State and tribal landfill and/or solid waste disposal site
PFAS	Inventory of potential Perfluoroalkyl substances (PFAS) sites in Kansas	Jun 30, 2019	State	Non Standard	State and Tribal PFAS site list
SPILLS	Kansas Spills Database	Jun 7, 2026	State	Non Standard	State and Tribal Spill sites list

DATA GAP WORKSHEET

DATA GAP WORKSHEET

Requirement	Status	Reference Source(s) Obtained or Sources PSI Used to Try to Close Data Gap	SDG
User Responsibilities			
User Knowledge and Information	Complete		
Environmental Lien and AUL Information	Incomplete	The client answered Unknown to these questions on the returned User Questionnaire	No
PSI Obtained Environmental Lien/AUL Search on Behalf of Client	NO	Not requested.	No
Environmental Records Review			
Standard Environmental Records Source Information	Complete		
Discretionary or Local Environmental Record Source Information	Complete		
Physical Setting Sources Review			
Standard Physical Setting Record Information (topo map)	Complete		
Additional Physical Setting Record Information	Complete		
Historical Data Sources Review			
Subject Property History Identified to 1940	Complete		
Subject Property History Identified to First Developed Use	Incomplete	The earliest historical documentation was an aerial photograph which displays the subject property as being used for agricultural purposes.	No
Gaps of >5 Years in Historical Data Sources	YES	Historical sources indicate no significant in use or site configuration when gaps of greater than five years were noted.	No
Surrounding Property History Information	Complete		
Site Reconnaissance Observations			
Exterior Areas of the Subject Property	Complete		
Interior Areas of the Subject Property Buildings	Incomplete	The interior of on-site buildings was not accessed during the site reconnaissance.	No
Current and Past Uses of the Subject Property	Complete		
Adjoining Property	Complete		

Requirement	Status	Reference Source(s) Obtained or Sources PSI Used to Try to Close Data Gap	SDG
Current and Past Uses of the Adjoining and Surrounding Property	Complete		
Interviews (with...)			
Current Owner	Complete		
Identified Key Site Manager	Complete		
Non-Residential Major Occupants	N/A		
Occupants with Operations Likely to Indicate RECs	N/A		
Past Owners, Operators, and/or Occupants	Complete	None were identified.	No
If Subject Property Abandoned, Owner or Occupants of Neighboring Properties	N/A		
State or Local Government Official	Incomplete	A response from City of Tonganoxie and the fire department has not been received.	No
FOIAs (to...)			
City of Tonganoxie	Incomplete	A response has not been received.	No
Fire Department or Fire Protection District	Incomplete		No
SDG = Significant Data Gap. List Identified SDGs in Section 1.2.1 of the Report; N/A = Not Applicable.			

COMMENTS AND EXPLANATIONS

Based on the information reviewed to date and observations at the time of site reconnaissance, the data gaps identified do not appear to be SDGs.

OTHER SUPPLEMENTAL DOCUMENTATION

Print Page

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The Parcel Number for this Property is 052-198-28-0-00-00-003.00-0
Quick Ref ID: 27971

Owner Information

Owner Name	TAILGATE RANCH COMPANY
Address	8235 NALL PRAIRIE VILLAGE, KS 66208

Property Situs Address

Address	00000 HEMPHILL RD, Tonganoxie, KS 66086

Land Based Classification System

Function	Farming / ranch land (no improvements)
Activity	Farming, plowing, tilling, harvesting, or related activities
Ownership	Private-fee simple
Site	Dev Site - crops, grazing etc - no structures

General Property Information

Prop Class	Agricultural Use - A
Living Units	
Zoning	
Neighborhood	004.0
Tax Unit Group	102

Property Factors

Topography	Rolling - 4
Utilities	None - 8
Access	Semi Improved Road - 2
Fronting	Residential Street - 4
Location	Neighborhood or Spot - 6
Parking Type	On and Off Street - 3
Parking Quantity	Adequate - 2
Parking Proximity	On Site - 3
Parking Covered	
Parking Uncovered	

2026 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	26,930	0	26,930
Total	26,930	0	26,930

2025 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	25,810	0	25,810
Total	25,810	0	25,810

Tract Description

S28, T11, R21E, ACRES 232.48, S1/2NW1/4 & SW1/4; LESS ROW Deed Book/Page 0763/0810 0634/0230 0421/0037 084P/0006

Deed Information

Book1	Page1	Book2	Page2	Book3	Page3	Book4	Page4
18	2611	14	1692	14	1693	0763	0810

Agricultural Land

Ag Type	Ag Acres	Soil Unit	Irr Type	Well Depth	Acre Feet	Acre Ft/Ac	Adj Code	Govt Prog	Base Rate	Adj Rate	Ag Value
Tame Grass - TG	35.23	7305				0			172	172	6,060
Tame Grass - TG	35.41	7604				0			172	172	6,090
Tame Grass - TG	11.17	7234				0			172	172	1,920
Tame Grass - TG	13.01	7252				0			141	141	1,830
Tame Grass - TG	13	7303				0			172	172	2,240
Native Grass - NG	4.81	7050				0	CC50		224	112	540
Native Grass - NG	13.82	7051				0	CC50		224	112	1,550
Native Grass - NG	56.01	7234				0	CC50		126	63	3,530
Native Grass - NG	4.53	7236				0	CC50		126	63	290
Native Grass - NG	0.02	7252				0	CC50		102	51	10
Native Grass - NG	37.09	7303				0	CC50		126	63	2,340
Native Grass - NG	6.44	7305				0	CC50		126	63	410
Native Grass - NG	1.94	7604				0	CC50		126	63	120

Ag Land Summary

Dry Land Acres	0
Irrigated Acres	0
Native Grass Acres	124.66
Tame Grass Acres	107.82
Total Ag Acres	232.48
Total Ag Use Value	26,930

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The Parcel Number for this Property is 052-195-22-0-00-00-004.00-0
Quick Ref ID: 27801

Owner Information

Owner Name	TAILGATE RANCH COMPANY
Address	8235 NALL PRAIRIE VILLAGE, KS 66208

Property Situs Address

Address	21051 HONEY CREEK RD, Tonganoxie, KS 66086

Land Based Classification System

Function	Farming / ranch land (with Ag improvements)
Activity	Farming, plowing, tilling, harvesting, or related activities
Ownership	Private-fee simple
Site	Dev Site - crops, grazing etc - with structures

General Property Information

Prop Class	Agricultural Use - A
Living Units	
Zoning	
Neighborhood	004.0
Tax Unit Group	081

Property Factors

Topography	Rolling - 4
Utilities	None - 8
Access	Semi Improved Road - 2
Fronting	Residential Street - 4
Location	Neighborhood or Spot - 6
Parking Type	Off Street - 1
Parking Quantity	Adequate - 2
Parking Proximity	On Site - 3
Parking Covered	
Parking Uncovered	

2026 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	48,560	1,600	50,160
Total	48,560	1,600	50,160

2025 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	46,170	1,690	47,860
Total	46,170	1,690	47,860

Tract Description

S22, T11, R21E, ACRES 315.5, W1/2 SEC LESS ROW & MR ON 80AC Deed Book/Page 0560/0175 0560/0176 0612/1354 0612/1352 0612/1358 0612/1350 0612/1356 0618/1608

Deed Information

Book1	Page1	Book2	Page2	Book3	Page3	Book4	Page4
0560	0175	0560	0176	0612	1354	0612	1352

Other Improvements

No	Occupancy	MSCls	Rank	Qty	Yr Blt	Eff Yr	LBCS	Area	Perim	Hgt	Dimensions	Stories	Phys	Func	Econ	OVR%	Rsn	Cls
40	Farm Utility Storage Shed	P	1.00	1	1930			900		8	15 X 60	1	1	2				
86	Farm Utility Building	P	1.00	1	2000			320	72	8	20 X 16	1	2					

Other Improvement Components

No	Code	Units	Pct	Size	Other	Rank	Year
40	Single -Metal on Wood Frame		100				
86	Single -Wall-Boards on Wood		100				

Agricultural Land

Ag Type	Ag Acres	Soil Unit	Irr Type	Well Depth	Acre Feet	Acre Ft/Ac	Adj Code	Govt Prog	Base Rate	Adj Rate	Ag Value
Native Grass - NG	7.16	7234				0			126	126	900
Native Grass - NG	0.02	7501				0			102	102	10
Native Grass - NG	3.78	7506				0			102	102	390
Native Grass - NG	36.73	7576				0			126	126	4,630
Native Grass - NG	0.92	7234				0	CC50		126	63	60
Native Grass - NG	0.01	7501				0	CC50		102	51	10
Native Grass - NG	0.01	7667				0	CC50		126	63	10
Tame Grass - TG	33.88	7234				0			172	172	5,830
Tame Grass - TG	64.98	7501				0			141	141	9,160
Tame Grass - TG	42.83	7506				0			141	141	6,040
Tame Grass - TG	52.04	7576				0			172	172	8,950

Tame Grass - TG	0.07	7666				0			172	172	10
Tame Grass - TG	73.05	7667				0			172	172	12,560

Ag Land Summary

Dry Land Acres	0
Irrigated Acres	0
Native Grass Acres	48.63
Tame Grass Acres	266.85
Total Ag Acres	315.48
Total Ag Use Value	48,560

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The Parcel Number for this Property is 052-198-27-0-00-00-002.00-0
Quick Ref ID: 27952

Owner Information

Owner Name	TAILGATE RANCH COMPANY
Address	8235 NALL PRAIRIE VILLAGE, KS 66208

Property Situs Address

Address	00000 214TH ST, Tonganoxie, KS 66086

Land Based Classification System

Function	Farming / ranch land (no improvements)
Activity	Farming, plowing, tilling, harvesting, or related activities
Ownership	Private-fee simple
Site	Dev Site - crops, grazing etc - no structures

General Property Information

Prop Class	Agricultural Use - A
Living Units	
Zoning	
Neighborhood	004.0
Tax Unit Group	081

Property Factors

Topography	Rolling - 4
Utilities	None - 8
Access	Semi Improved Road - 2
Fronting	Residential Street - 4
Location	Neighborhood or Spot - 6
Parking Type	On and Off Street - 3
Parking Quantity	Adequate - 2
Parking Proximity	On Site - 3
Parking Covered	
Parking Uncovered	

2026 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	6,620	0	6,620
Total	6,620	0	6,620

2025 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	6,280	0	6,280
Total	6,280	0	6,280

Tract Description

S27, T11, R21E, ACRES 40.88, NE1/4NW1/4 Deed Book/Page 0560/0178

Deed Information

Book1	Page1	Book2	Page2	Book3	Page3	Book4	Page4
0560	0178						

Agricultural Land

Ag Type	Ag Acres	Soil Unit	Irr Type	Well Depth	Acre Feet	Acre Ft/Ac	Adj Code	Govt Prog	Base Rate	Adj Rate	Ag Value
Native Grass - NG	1.83	7234				0	CC50		126	63	120
Native Grass - NG	0.81	7303				0	CC50		126	63	50
Native Grass - NG	0.04	7575				0	CC50		126	63	10
Native Grass - NG	1.09	7576				0	CC50		126	63	70
Tame Grass - TG	18.72	7234				0			172	172	3,220
Tame Grass - TG	1.99	7303				0			172	172	340
Tame Grass - TG	0.09	7501				0			141	141	10
Tame Grass - TG	3.62	7575				0			172	172	620
Tame Grass - TG	12.7	7576				0			172	172	2,180

Ag Land Summary

Dry Land Acres	0
Irrigated Acres	0
Native Grass Acres	3.77
Tame Grass Acres	37.12
Total Ag Acres	40.89
Total Ag Use Value	6,620

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The Parcel Number for this Property is 052-198-28-0-00-00-001.00-0
Quick Ref ID: 27970

Owner Information

Owner Name	TAILGATE RANCH COMPANY
Address	8235 NALL PRAIRIE VILLAGE, KS 66208

Property Situs Address

Address	21580 HEMPHILL RD, Tonganoxie, KS 66086

Land Based Classification System

Function	Farming / ranch operation (with improvements)
Activity	Farming, plowing, tilling, harvesting, or related activities
Ownership	Private-fee simple
Site	Dev Site - crops, grazing etc - with structures

General Property Information

Prop Class	Farm Homesite - F
Living Units	1
Zoning	
Neighborhood	004.0
Tax Unit Group	102

Property Factors

Topography	Level - 1 Rolling - 4
Utilities	Well - 5 Septic - 6
Access	Semi Improved Road - 2
Fronting	Residential Street - 4
Location	Neighborhood or Spot - 6
Parking Type	On and Off Street - 3
Parking Quantity	Adequate - 2
Parking Proximity	On Site - 3
Parking Covered	
Parking Uncovered	

2026 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	62,530	34,690	97,220
Farm Homesite - F	71,080	215,040	286,120
Total	133,610	249,730	383,340

2025 Appraised Value

Class	Land	Building	Total
Agricultural Use - A	59,180	35,090	94,270
Farm Homesite - F	56,080	211,320	267,400
Total	115,260	246,410	361,670

Tract Description

S28, T11, R21E, ACRES 393.69, E1/2 & N1/2 OF NW1/4 LESS ROW & MR ON 40 AC Deed Book/Page 08 /5353 0560/0175 0634/0887 0560/0175 0326/0298 0346/0130 0598/1662 0598/1663

Deed Information

Book1	Page1	Book2	Page2	Book3	Page3	Book4	Page4
08	5353	0560	0175	0634	0887	0560	0175

Market Land Information

Method	Type	AC/SF	Eff FF	Depth	D-Fact	Inf1	Fact1	Inf2	Fact2	Ovrd	Class	Value Est
Acre	Primary Site - 1	0.7										71,080

Dwelling Information

Dwelling Information	
Res Type	Single-family Residence
Quality	AV
Year Built	1921
Eff Year	
MS Style	Two Story
LBCSStruct	Detached SFR unit
No. of Units	
Total Living Area	
Calculated Area	2,031
Main Floor Living Area	1,058
Upper Floor Living Area Pct.	92
CDU	GD
Phys/Func/Econ	AV/ /
Remodel	
Percent Complete	
Assessment Class	
MU Cls/Pct	

Comp Sales Information	
Arch Style	Old Style
Bsmt Type	Partial - 3
Total Rooms	6
Bedrooms	3
Family Rooms	1
Full Baths	1
Half Baths	1
Garage Cap	
Foundation	Concrete - 2

Dwelling Components				
Code	**Units**	**Pct**	**Quality**	**Year**
Wood Deck (SF) with Roof	216			
Composition Shingle		100		
Raised Subfloor (% or SF)	2,031			
Plumbing Fixtures (#)	7			
Automatic Floor Cover Allowance				

Frame, Siding, Metal		100		
Total Basement Area (SF)	756			
Warmed & Cooled Air		100		
Plumbing Rough-ins (#)	1			
Wood Deck (SF)	192			

Building Improvement Components

Id	Code	Units	Pct	Size	Other	Rank	Year
31	Single -Wall-Boards on Wood		100				
32	Single -Metal on Wood Frame		100				
34	Single -Wall-Boards on Wood		100				
35	Single -Metal on Wood Frame		100				
36	Single -Metal on Wood Frame		100				

Other Improvements

No	Occupancy	MSCls	Rank	Qty	Yr Blt	Eff Yr	LBCS	Area	Perim	Hgt	Dimensions	Stories	Phys	Func	Econ	OVR%	Rsn	Cls
31	Farm Utility Storage Shed	P	1.00	1	1931			1,536		12	64 X 24	1	2	3				A
32	Farm Utility Building	P	3.00	1	1978			2,400	200	16	60 X 40	1	3	3				A
34	Farm Utility Storage Shed	P	1.00	1	1990			640		8	40 X 16	1	2	3				A
35	Barn, General Purpose	D	1.00	1	1913			1,380	152	16	46 X 30	1	5	4				A
36	Loafing Shed	P	1.00	1	2002			260	46	8	26 X 10	1	3	3				A

Other Improvement Components

No	Code	Units	Pct	Size	Other	Rank	Year
31	Single -Wall-Boards on Wood		100				
32	Single -Metal on Wood Frame		100				
34	Single -Wall-Boards on Wood		100				
35	Single -Metal on Wood Frame		100				
36	Single -Metal on Wood Frame		100				

Agricultural Land

Ag Type	Ag Acres	Soil Unit	Irr Type	Well Depth	Acre Feet	Acre Ft/Ac	Adj Code	Govt Prog	Base Rate	Adj Rate	Ag Value
Tame Grass - TG	104.14	7303				0			172	172	17,910
Tame Grass - TG	15.34	7305				0			172	172	2,640
Tame Grass - TG	57.15	7501				0			141	141	8,060
Tame Grass - TG	9.19	7575				0			172	172	1,580
Tame Grass - TG	43.24	7506				0			141	141	6,100
Tame Grass - TG	113.35	7576				0			172	172	19,500

Tame Grass - TG	7.47	7604				0			172	172	1,280
Tame Grass - TG	4.71	9999				0			10	10	50
Tame Grass - TG	0.14	7234				0			172	172	20
Tame Grass - TG	38.26	7252				0			141	141	5,390

Ag Land Summary

Dry Land Acres	0
Irrigated Acres	0
Native Grass Acres	0
Tame Grass Acres	392.99
Total Ag Acres	392.99
Total Ag Use Value	62,530

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PERSONNEL QUALIFICATIONS

KYLEE SIEGRIST

ENVIRONMENTAL TECHINICAN

KANSAS CITY, KANSAS

STARTED WITH INTERTEK-PSI: 2024

Education

- University of Kansas State, B.S. Geology
- University of Missouri – Kansas City, Missouri, M.S. Environmental & Urban Geosciences

Certifications/Registration/Technical Training

- AHERA Asbestos Inspector (KS, MO, NE, IA)
- OSHA 40-Hour HAZWOPER
- Lead Inspector (KS, MO)

Memberships/Affiliations

- GSA member (Geological Society of America)

Professional Experience

Ms. Siegrist supports the PSI Kansas City team with onsite and field work for the environmental department. She has spent time working as a geotechnical geologist and has experience in preparing detailed geotechnical reports for various projects, evaluating laboratory results and providing strategic recommendations tailored to project needs. She also has experience with ArcGIS.

Her responsibilities with PSI will include Phase I and Phase II Environmental Site Assessment (ESAs), groundwater sampling, and Industrial Hygiene (IH) services, project management, data interpretation, coordination of fieldwork, proposal and report writing, maintaining good client relationships and interacting with regulatory agencies.

Representative Project Experience

- KC Water River Sampling, Kansas City, MO
- Koppers Well Sampling, Kansas City, MO
- Insite Phase I, Olathe, KS
- Arvest Bank Phase II, Blue Springs , MO
- 1858 Properties, LSI Vapor Sampling, Salina, KS
- Alliance Development Phase II, Omaha, NE
- Project Jones Phase I ESA, Gravette, AR
- Salina Blue Print Phase I ESA, Salina, KS
- JWCS, Hazards Materials Survey, Kansas City, MO

Publications

- *Thesis:* Siegrist, K., "Hydrologic Response to Prescribed Burning in the Flint Hills, Kansas," Jejung Lee, University of Missouri - Kansas City, 2023.
- Li, C., Chen, Z., Lee, J., Richey, M., Kimes, T., Ji, W., Brunton, L., and Siegrist, K. 2022, "Sustainable Development and Assessment of Urban Flood Vulnerability," Annual Kansas City Geotechnical Conference, Geo-Institute, American Society of Civil Engineers, April, 2022, Overland Park, Kansas (Awarded the second best paper)
- Li, C., Siegrist, K., Brunton, L., Lee, J., Chen, Z., Rickey, M., Walton, J., Ji, W. 2023, "Assessment of Urban Flood Vulnerability: A Case Study of Flood Hazard in Kansas City, Missouri," World Environmental & Water Resources Congress 2023, American Society of Civil Engineer, May, 2023, Henderson, Nevada (Accepted for publication)

SCOTT J. DAHLGREN

SENIOR CONSULTANT/PRINCIPAL CONSULTANT

ST. LOUIS, MISSOURI

STARTED WITH PROFESSIONAL SERVICE INDUSTRIES, INC. (PSI) AN INTERTEK COMPANY: 1992
YEARS IN INDUSTRY: 30

Education

- Bachelor of Science in Geology & Geophysics, University of Missouri at Rolla

Certifications/Registrations/Technical Training

- Principal Consultant Designation, Phase I Environmental Site Assessments, PSI
- Principal Consultant Designation, Asbestos Surveys, PSI
- Principal Consultant Designation, Lead-Based Paint Surveys, PSI
- EPA AHERA Asbestos Inspector
- EPA AHERA Asbestos Management Planner
- EPA Lead-Based Paint Inspector
- EPA Lead-Based Paint Risk Assessor
- Certified or Licensed Asbestos Inspector, Missouri, Illinois
- Certified or Licensed Asbestos Management Planner, Missouri
- Certified or Licensed Asbestos Air Sampling Professional, Missouri, Illinois
- Licensed Lead-Based Paint Inspector, Missouri
- Licensed Lead-Based Paint Risk Assessor, Missouri
- OSHA 40-Hour Hazardous Waste Site Activity Training
- OSHA 8-Hour Hazardous Waste Supervisor Training
- Microscopial Identification of Asbestos, McCrone Research Institute
- Environmental Professional, Phase I and II Environmental Site Assessments (ESAs), PSI
- NIOSH 582 Equivalent Training
- RMD LPA-I, Lead Paint Inspection System Factory Training
- Viken Pb100i Lead Paint Inspection System Factory Training
- TSI Indoor Air Quality, With Hands-On Training Making Indoor Air Quality Measurements
- National Environmental Training Association, Designing and Delivering Effective Lead-Abatement Training
- IAQ and Mold Inspector Course, PSI
- Phase I and II ESA Training, PSI
- ASTM E2600 Vapor Encroachment Screening Training, ASTM
- Project Manager Certification, PSI
- Geo-Seal vapor Intrusion Barrier Certified Inspector, Land Science Technologies

SCOTT J. DAHLGREN (CONTINUED)

Professional Experience

Scott is a project manager in the Environmental Services Consulting group of the St. Louis, Missouri, office. Scott is responsible for project coordination activities including proposal writing, scheduling of projects, staffing of projects, report delivery coordination, and technical oversight of environmental consulting projects, and assistance in the preparation of property condition assessment reports. Scott brings this expertise and familiarity with diverse regulations along with familiarity on the diverse equipment and sampling protocols necessary for a successful environmental consulting project, assessment, whether a short or long term project.

As a Phase I ESA, asbestos survey, and lead-based paint survey Principal Consultant, Scott is responsible for the technical and risk management review of proposals, reports, or any document with professional opinions in connection with a Phase I ESA or an asbestos or lead-based paint survey, and general risk management and technical oversight regarding Phase I ESAs, and asbestos and lead-based paint surveys for offices throughout the country. He also assists in the development of proposal and report templates and forms in general compliance with current American Society of Testing and Materials (ASTM) Phase I ESA protocols and other protocols.

Representative Phase I Environmental Site Assessment Project Experience

- Confidential National Restaurant Chain; Various Sites, St. Louis, St. Charles and Boone Counties, Missouri – Performed Phase I ESAs using the American Society for Testing and Materials (ASTM) protocol with short turnaround times in established restaurant facilities.
- Confidential Retail Property Developers; Various Sites, Missouri, Illinois and southern Iowa – Performed Phase I ESAs using the ASTM protocol at a variety of developed and undeveloped properties.
- Confidential National Restaurant Chain; Various Sites, St. Louis and St. Charles Counties, Missouri, Dodge, Douglas, and Sarpy Counties, Nebraska – Performed Phase I ESAs using the ASTM protocol with short turnaround times in established restaurant facilities.
- Confidential Newspaper Client; Various Sites, Dawson, Lincoln, Cheyenne, and Scotts Bluff Counties, Nebraska, Pottawattamie and Harrison Counties, Iowa – Performed Phase I ESAs using the ASTM protocol with short turnaround times in established newspaper facilities
- Confidential Bank Client, Exhaust Repair Facility; Sioux City, Iowa – Performed a Phase I ESA using the ASTM protocol with a short turnaround time. The assessment was complicated by the former presence of a gasoline service station prior to the current use and the presence of a gasoline station with free product present on an adjoining property.
- Confidential Bank Client, Former Meat Packing Plant; Omaha, Nebraska - Performed a Phase I ESA using the ASTM protocol. This plant included extensive freezer and mechanical systems on multiple levels.

SCOTT J. DAHLGREN (CONTINUED)

- Confidential Client, Former Meat Slaughter and Processing Plant; Omaha, Nebraska - Performed a Phase I ESA using the ASTM protocol with a short turnaround time of a former meat packing plant that dated to the early 1900's and had been added on to piecemeal over the years, including numerous USTs and mechanical renovations on multiple levels. The client was to use the Phase I ESA for a self-audit.
- Confidential Car Dealership; Kansas City, Missouri - Performed Phase I ESAs using the ASTM protocol of two car dealership sites. One of these dealerships was a new dealership and one was a dealership dating back into the late 1970's, both with full service automotive repair facilities and the older dealership also had an auto body shop.
- Confidential Developer; Omaha, Nebraska – Performed two Phase I ESAs, with asbestos and LBP surveys on adjoining properties, one a former creamery and food warehouse, and one a former automotive repair facility and garden supply facility in a historic section of Omaha. The properties were vacant at the time of the assessment, but complicating factors included the presence of asbestos materials in poor condition, fire damage, a leaking UST incident, and offsite businesses of environmental concern.
- Confidential Law Firm, Restaurant Sites; South Central and South East, Kansas – Perform Phase I ESAs on approximately 25 operational fast-food restaurant sites as part of an acquisition process on a tight turnaround. Provided field services, report preparation, report review, and technical support services.

Representative Communications Tower Site Assessment Project Experience

- Confidential Communications Tower Developer; Iowa, South Dakota, and Nebraska – Performed field reconnaissance and historical research for approximately 25 sites for a client who was not able to cost-effectively perform the field work themselves.
- American Tower Corporation; Various Sites, Lincoln, Saint Genevieve, Saint Charles, and Perry Counties, Missouri – Performed Phase I ESAs of numerous proposed tower sites. In addition, assisted in the completion of the Federal Communications Commission National Environmental Protection Act checklist that was required for each of these sites. These projects were performed in an expedited manner with tight turnaround times.
- Confidential Communications Tower Developer; Sioux City, Iowa, South Dakota, and Nebraska – Performed the field reconnaissance and historical research for approximately 25 sites for a client who was not able to cost effectively perform the field work themselves.
- Confidential National Communications Carrier; Various Sites in Nebraska and Iowa – Performed Phase I ESAs of numerous proposed tower sites. In addition, performed research to assist in the completion of the Federal Communications Commission National Environmental Protection Act checklist for each site. This process was complicated by the requirements of the State Historical Society of Iowa, which had unusual consultation requirements.

SCOTT J. DAHLGREN (CONTINUED)

Representative Hybrid and Advanced Environmental Site Assessment Project Experience

- Kansas Department of Health and Environment (KDHE), UST Trust Fund Project; Sedgwick, Hanston, and Scott City, Kansas – Performed pollution control assessments (PCAs) for underground storage tank facilities. Duties included supervision of drilling and sampling operations.
- NBS Partners; St. Louis, Missouri – Performed Phase II and III ESAs as part of a grant application for renovation and demolition of public housing. Investigation included the presence of offsite sources including a railroad and a cab company with USTs. Managed project from preliminary investigation through drilling, sampling, and final report preparation.
- First Union Real Estate; Fort Dodge, Iowa – Performed Phase II ESA at a shopping mall facility adjacent to several leaking underground storage tank (LUST) facilities. Supervised and managed all aspects of the project including drilling, sampling, and report preparation.
- Union 70 PCA; St. Louis, Missouri – Performed investigation to identify an unknown substance noted on a geotechnical boring log at a former car assembly plant. This investigation included drilling, sampling, and comprehensive laboratory analysis to identify the material.
- United States Postal Service, State of Iowa Underground Storage Tank Financial Responsibility Program; Wellman, Donnellson, LeClaire, and Cedar Falls, Iowa – Performed hybrid Phase I, II, and III environmental site investigations (ESIs) of post offices. This included developing a site history, scheduling and implementing drilling and sampling plans, conducting follow-up investigation of soil and groundwater contamination identified to determine the extent of the contamination plume, determining hydraulic conductivity of water-bearing zone, and producing final reports.
- Iowa UST Financial Responsibility Program; Cedar Rapids, Sioux City, Atlantic, Riverton, Denison, and Walnut, Iowa - Performed hybrid Phase I, II, and III ESIs of nearly 175 underground storage tank facilities. This included researching the site history and ownership of the facility, scheduling and implementing drilling and sampling plans, conducting multiple follow up investigations on soil and groundwater contamination identified to determine the extent of the contamination plume, determining hydraulic conductivity of water-bearing zone, and producing final reports.
- Nebraska Department of Roads; Fremont, Nebraska – Performed a Tier I Site Investigation, which is similar to a Risk-Based Corrective Action (RBCA) investigation, for a former gasoline station that had been demolished since the LUST incident and was, at the time of the investigation, a four-lane divided highway. During this investigation, the site conditions differed considerably from what was expected and PSI worked closely with the Nebraska Department of Environmental Quality to assist in developing the information needed to bring this site to a “No Further Action” status.

SCOTT J. DAHLGREN (CONTINUED)

Representative Asbestos Project Experience

- Big River Zinc; Sauget, Illinois – Assisted in inspection of a metals processing plant. Also assisted in air monitoring of abatement of the asbestos-containing materials identified in the inspection.
- US Housing and Urban Development; St. Louis, Missouri – Assisted in performance of an asbestos and hazardous materials survey and assessment of a public housing complex which included a high-rise building and 13 low-rise apartment buildings. Also performed air monitoring and project supervision of abatement of the materials identified in the inspection phase of project.
- State of Missouri Design and Construction Division, St. Louis State Hospital Facility; Missouri – Coordinated and performed an asbestos and lead-based paint (LBP) survey of eight buildings at the state hospital complex. Buildings included a power plant, service tunnels, warehouse, offices, kitchen, gymnasium complex, smokestacks, and abandoned buildings.
- Confidential National Department Store Client; Various Sites, Iowa and Nebraska – Performed asbestos assessments of active department store properties in connection with a remodeling effort. The assessments were performed according to the client's protocol in a phased schedule with tight turnaround times to accommodate abatement after the assessment was performed and performance of remodeling activities in a timely manner.
- Confidential National Client; St. Louis, Missouri – Performed emergency assessments and sampling of suspect asbestos-containing building materials. Also assisted in the project supervision and air monitoring of abatement projects. The projects were performed on a 24-hour a day basis on weekends and holidays so as not to interfere with normal operations of the client.

Representative Lead-Based Paint Project Experience

- Confidential Hospital Parking Garage; St. Louis Area, Missouri – Performed XRF testing of client-selected items in a parking garage in advance of renovation and demolition activities in the garage.
- Salvation Army; St. Louis, Missouri – Performed XRF testing of a facility as part of a renovation project.
- Confidential Client; St. Louis, Missouri - Performed LBP wipe sampling in response to complaint from tenants of a housing complex.
- Confidential Client; St. Louis, Missouri – Performed paint chip sampling to identify the presence of LBP on existing components of a construction operation. Also performed wipe sampling to monitor the effectiveness of the abatement of materials identified as having LBP.
- State of Missouri Design and Construction Division, St. Louis State Hospital Facility; Missouri – Coordinated and performed a LBP and asbestos survey of eight buildings at the state hospital complex. Buildings included a power plant, service tunnels, warehouse, offices, kitchen, gymnasium complex, smokestacks, and abandoned buildings.

SCOTT J. DAHLGREN (CONTINUED)

Representative Remediation Investigation Project Experience

- J.C. Penney Corporation; Hays, Kansas – Implemented an investigation into the feasibility of a chosen remediation method and installed necessary wells for the implementation of the chosen remediation method. Also performed ongoing monitoring well and irrigation well sampling required by the regulatory agency.

Representative Petroleum Project Experience

- Graybar Electric Company Inc.; St. Louis, Missouri – Provided supervision and regulatory reporting services on the closure of a 6,000 gallon heating oil UST in a confined area.
- United States National Guard; Doniphan, Missouri – Provided supervision and regulatory reporting services on the closure of a 500-gallon heating oil UST. Removal of the tank was complicated by the presence of utility lines over and immediately adjacent to the UST and the presence of a drainage ditch also immediately adjacent to UST. Tank was removed successfully without loss of any utility service to facility.

Representative Environmental Monitoring Project Experience

- Montgomery Ward; Topeka, Kansas – Performed periodic groundwater monitoring of leaking UST facility.
- Midas Realty Corporation; Overland, Missouri – Performed organic vapor monitoring of soils at a former UST facility as part of a geotechnical project related to a real estate transaction.

Representative Indoor Air Quality Assessment Project Experience

- Confidential Developer; St. Louis, Missouri – Performed and prepared the report for an investigation of a multi-story hotel building for the presence of indoor air contaminants and the presence of fungi during the course of a real estate transaction. The work also included the preparation of a “Mold Remediation and Prevention Plan” based on the results of the investigation.
- Confidential Developer; Omaha, Nebraska – Assisted in the performance of a physical condition assessment by performing an assessment of potential moisture intrusion and fungal growth in a strip mall type shopping property.
- Confidential Building Owner; Omaha, Nebraska – Performed IAQ investigation of a lease space in a multi-story office building in response to tenant complaints. The investigation was performed while the space was occupied by the tenant.

SCOTT J. DAHLGREN (CONTINUED)

Representative Property Condition Assessment Project Experience

- Confidential Property Manager; Bella Vista, Arkansas – Performed property condition assessments on a shopping center and post office, and assisted in the performance of property condition assessments on three other shopping centers and a commercial building.
- Confidential Developer; St. Louis, Missouri – Assisted in the performance of a property condition assessment on a six building high-rise apartment complex, including an underground garage structure.
- Confidential Developer; Omaha, Nebraska – Assisted in the performance of a property condition assessment on two adjoining strip-mall type properties with a variety of tenant types.

Representative Geotechnical Project Experience

- Scharhag Architects; Kansas City, Missouri – Assisted in the performance of a geotechnical exploration in support of an addition to an existing church building.
- Confidential Client; Leawood, Kansas – Assisted in the performance of a geotechnical exploration in support of a new approximately 6,000-quare foot single-tenant office building.
- Confidential National Retail Food Chain; Platte City, Missouri – Assisted in the performance of a geotechnical exploration in support of a new retail restaurant facility.
- City of Lee's Summit, Missouri; Lee's Summit, Missouri – Assisted in the performance of a geotechnical exploration in support of a replacement fire station facility.
- Confidential Client; St. Charles, Missouri – Assisted in the performance of a geotechnical exploration in support of a new machine press in an existing facility. The placement of this machine press was complicated by undocumented fill issues, and the dynamic loading of the press itself.
- Confidential National Retail Chain; Locations in Missouri and Illinois – Assisted in the performance of a geotechnical exploration in support of new retail stores at various locations in the St. Louis Bi-State area.