

Tract 1: Aerial Map



Map Center: 39.136167, -95.152329

0ft 823ft 1646ft

35-10S-20E
Leavenworth County
Kansas

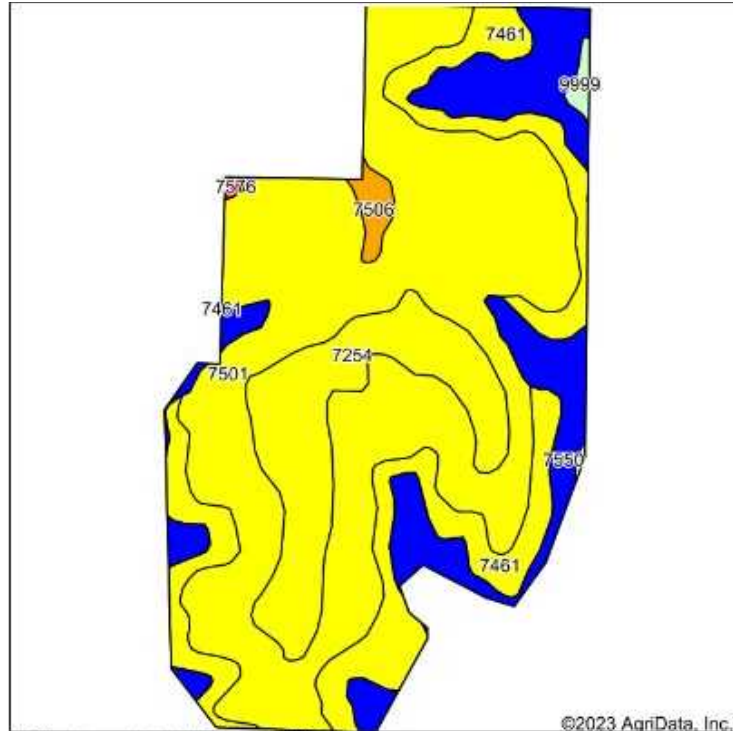
Maps Provided By:

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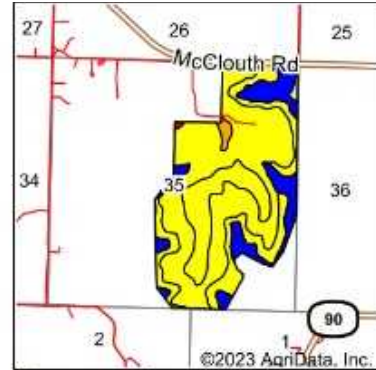


Field borders provided by Farm Service Agency as of 5/21/2006.

Tract 1: Soils Map



Soils data provided by USDA and NRCS.



State: **Kansas**
 County: **Leavenworth**
 Location: **35-10S-20E**
 Township: **Tonganoxie**
 Acres: **271.32**
 Date: **4/25/2023**

Maps Provided By:



Area Symbol: KS103, Soil Area Version: 17										
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class %c	Range Production (lbs/acre/yr)	Warm season grasses AUM	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Soybeans
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	142.47	52.5%		IIIe	3878		42	38	39
7461	Oska silty clay loam, 3 to 8 percent slopes, eroded	47.31	17.4%		IIIe	3188		40	39	33
7550	Rosendale-Bendena silty clay loams, 3 to 40 percent slopes	38.93	14.3%		VIIe	3825	0.8	36	33	29
7254	Grundy silty clay loam, 3 to 7 percent slopes, eroded	37.59	13.9%		IIIe	3188		55	55	48
7506	Pawnee clay loam, 1 to 4 percent slopes, eroded	3.00	1.1%		Ile	3750		42	37	38
9999	Water	1.54	0.6%			0				
7576	Shelby clay loam, 8 to 12 percent slopes, eroded	0.48	0.2%		IVe	3640		62	62	56
Weighted Average						*-	3630.6	0.1	*n 42.4	*n 39.6
									*n 37.6	

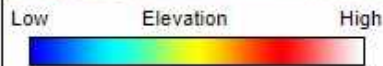
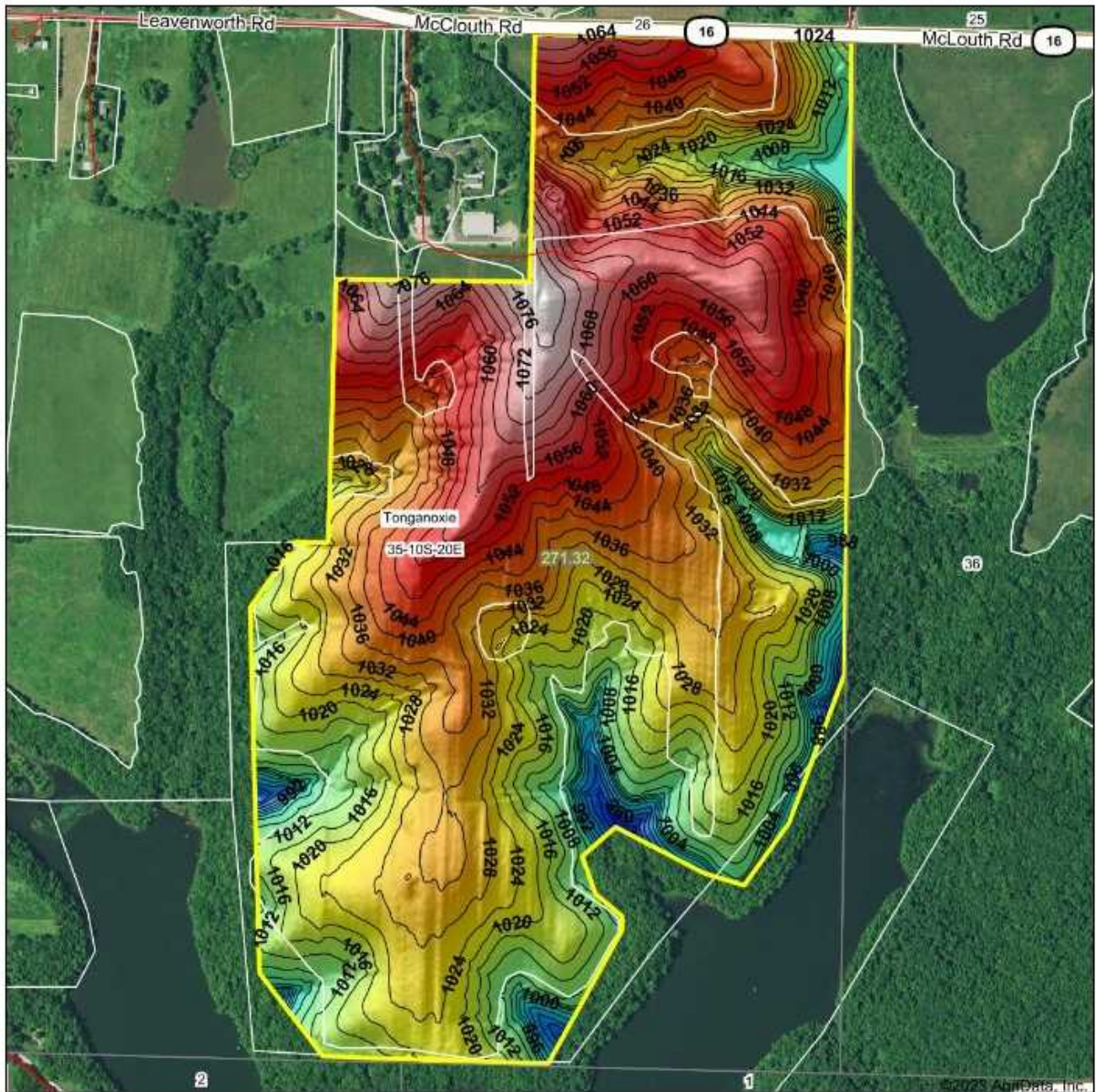
*n: The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

*-: Non Irr Class weighted average cannot be calculated on the current soils data due to missing data.

Soils data provided by USDA and NRCS.

Tract 1: Topography Map



Source: USGS 3 meter dem
Interval(ft): 4



Min: 966.9
Max: 1,079.9
Range: 113.0
Average: 1,031.9
Standard Deviation: 19.32 ft



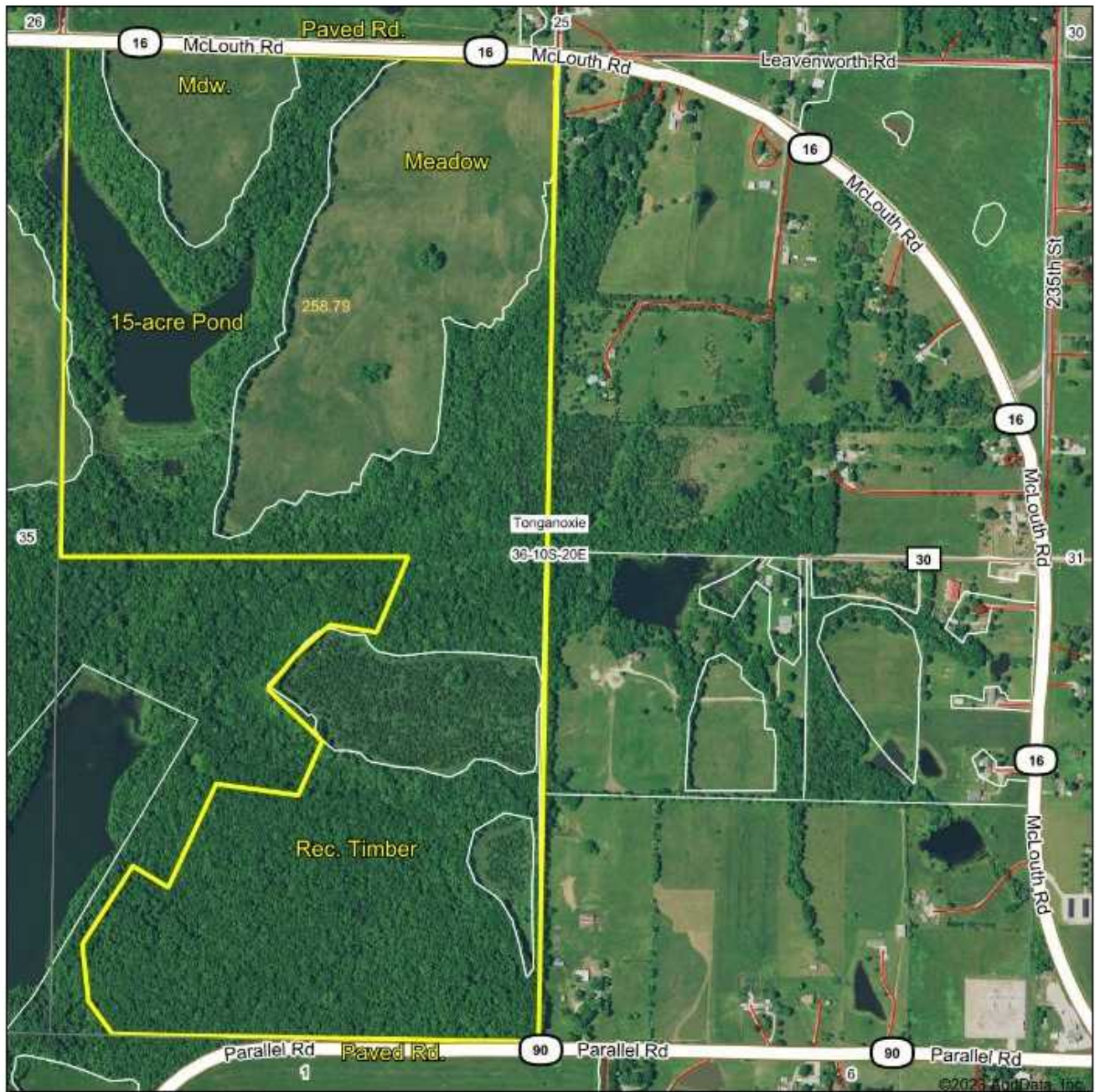
35-10S-20E
Leavenworth County
Kansas

map center: 39.136167, -95.152329

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Field borders provided by Farm Service Agency as of 5/21/2008.

Tract 2: Aerial Map



Map Center: 39.136148, -95.133852

0ft 827ft 1653ft

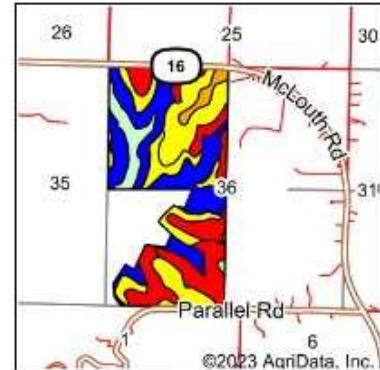
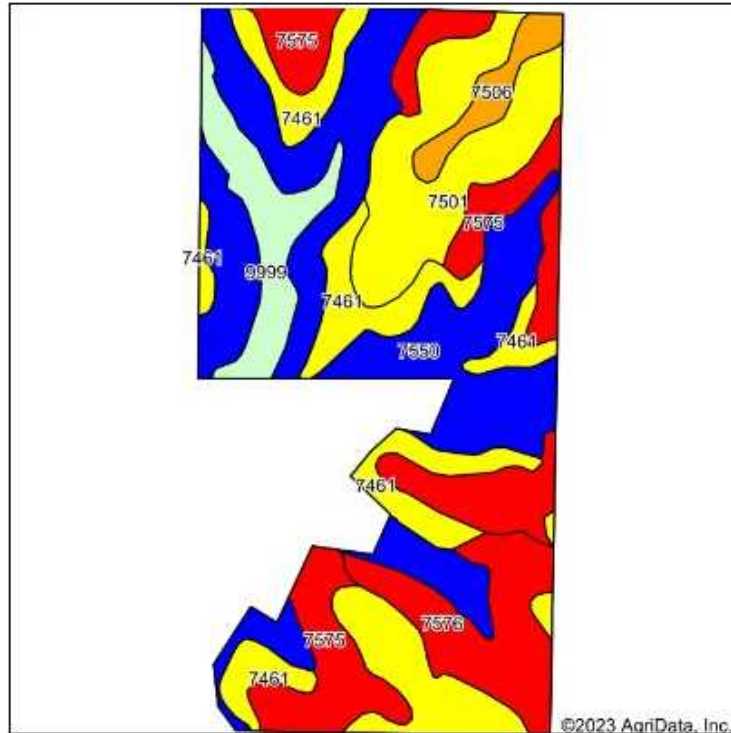
36-10S-20E
Leavenworth County
Kansas

Maps Provided By:
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Field borders provided by Farm Service Agency as of 5/21/2008.

Tract 2: Soils Map



State: **Kansas**
 County: **Leavenworth**
 Location: **36-10S-20E**
 Township: **Tonganoxie**
 Acres: **258.79**
 Date: **4/25/2023**



Area Symbol: KS103, Soil Area Version: 17										
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Range Production (lbs/acre/yr)	Warm season grasses AUM	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Soybeans
7550	Rosendale-Bendena silty clay loams, 3 to 40 percent slopes	80.67	31.2%		Vile	3825	0.8	36	33	29
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	49.26	19.0%		IIle	3878		42	38	39
7575	Shelby clay loam, 4 to 8 percent slopes, eroded	47.25	18.3%		IVe	3400		65	64	57
7461	Oska silty clay loam, 3 to 8 percent slopes, eroded	35.51	13.7%		IIle	3188		40	39	33
7576	Shelby clay loam, 8 to 12 percent slopes, eroded	22.42	8.7%		IVe	3640		62	62	56
9999	Water	16.69	6.4%			0				
7506	Pawnee clay loam, 1 to 4 percent slopes, eroded	6.99	2.7%		Ile	3750		42	37	38
Weighted Average					*-	3405.3	0.2	*n 43.1	*n 40.9	*n 37.3

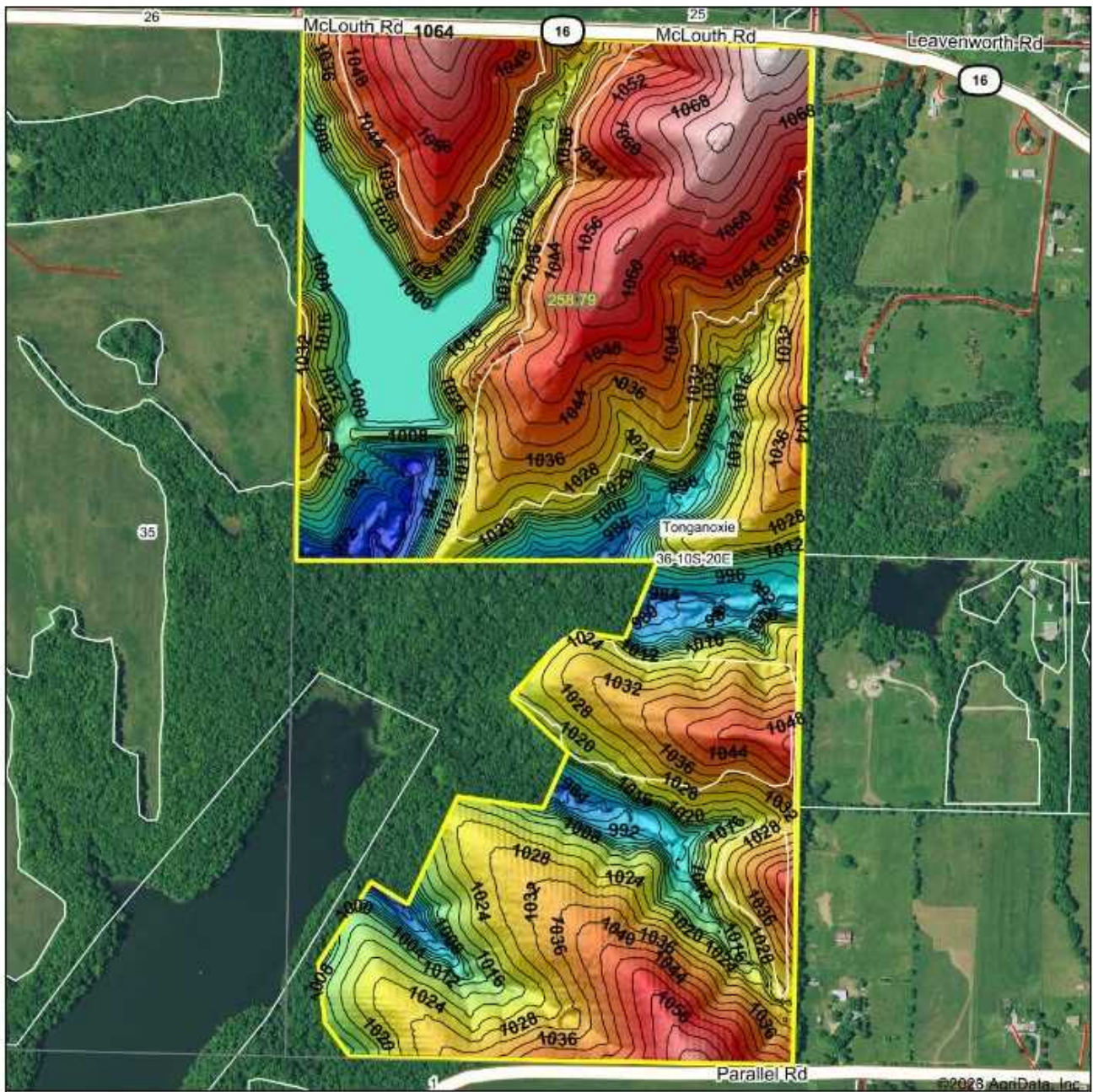
*n: The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

*- Non Irr Class weighted average cannot be calculated on the current soils data due to missing data.

Soils data provided by USDA and NRCS.

Tract 2: Topography Map



Source: USGS 3 meter dem

0ft 794ft 1588ft

Interval(ft): 4

Min: 965.0

Max: 1,083.4

Range: 118.4

Average: 1,028.6

Standard Deviation: 22.64 ft



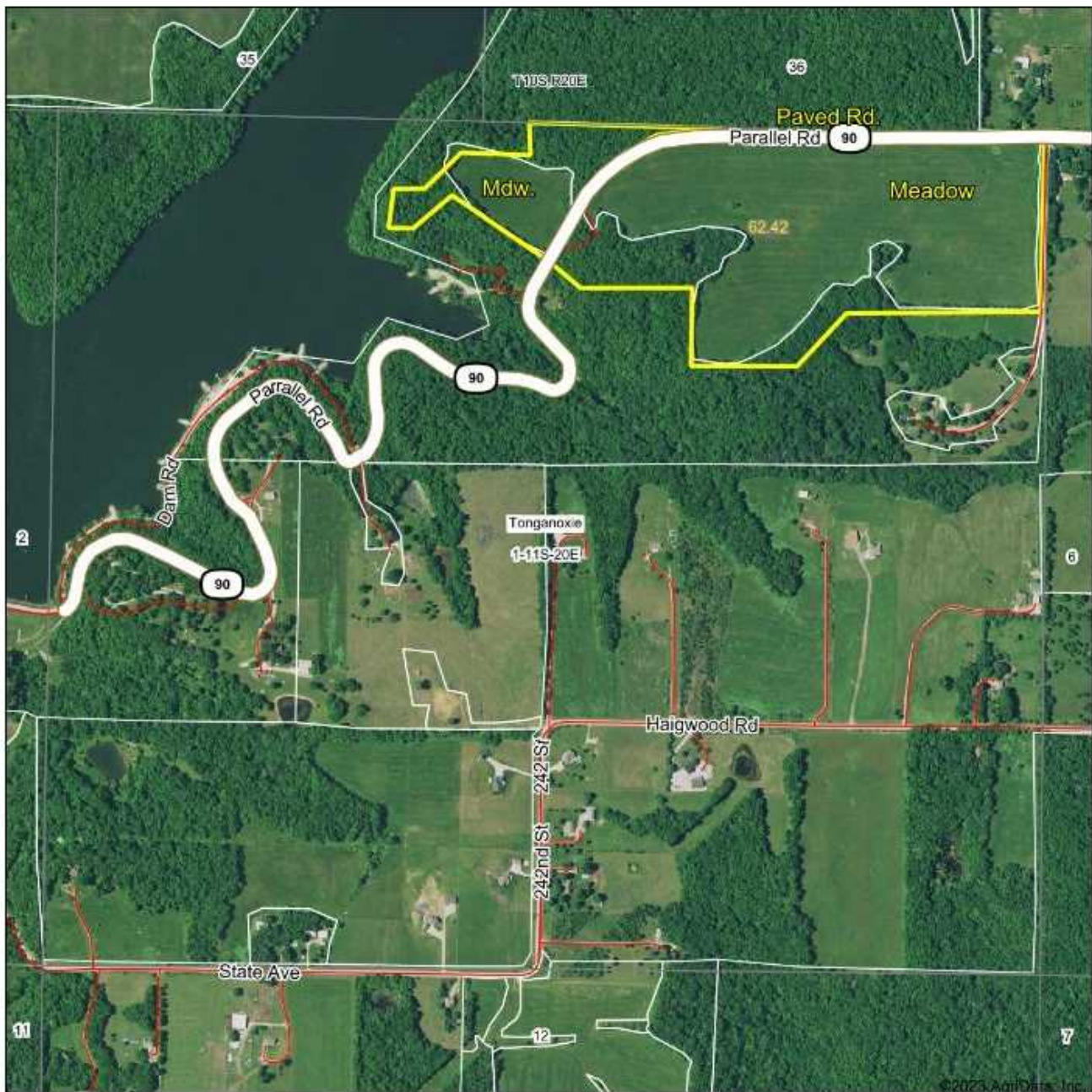
36-10S-20E
Leavenworth County
Kansas

map center: 39.136148, -95.133852



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Field borders provided by Farm Service Agency as of 5/21/2008.

Tract 3: Aerial Map



Map Center: 39.122720, -95.141598

0ft 816ft 1632ft

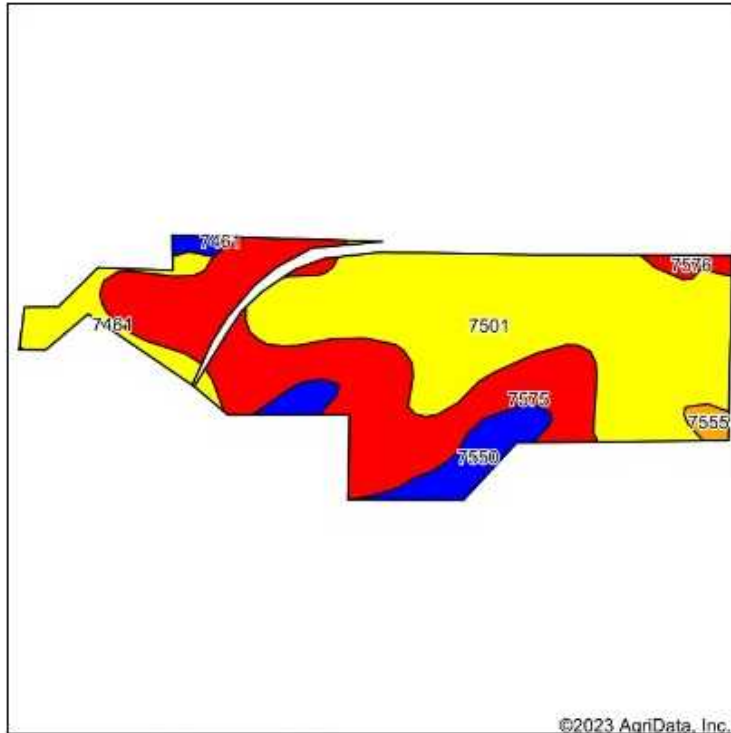
1-11S-20E
Leavenworth County
Kansas



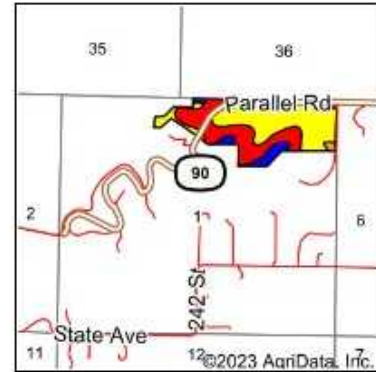
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Field borders provided by Farm Service Agency as of 5/21/2008.

Tract 3: Soils Map



Soils data provided by USDA and NRCS.



State: **Kansas**
 County: **Leavenworth**
 Location: **1-11S-20E**
 Township: **Tonganoxie**
 Acres: **62.42**
 Date: **4/25/2023**



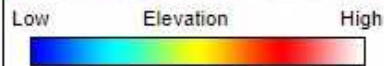
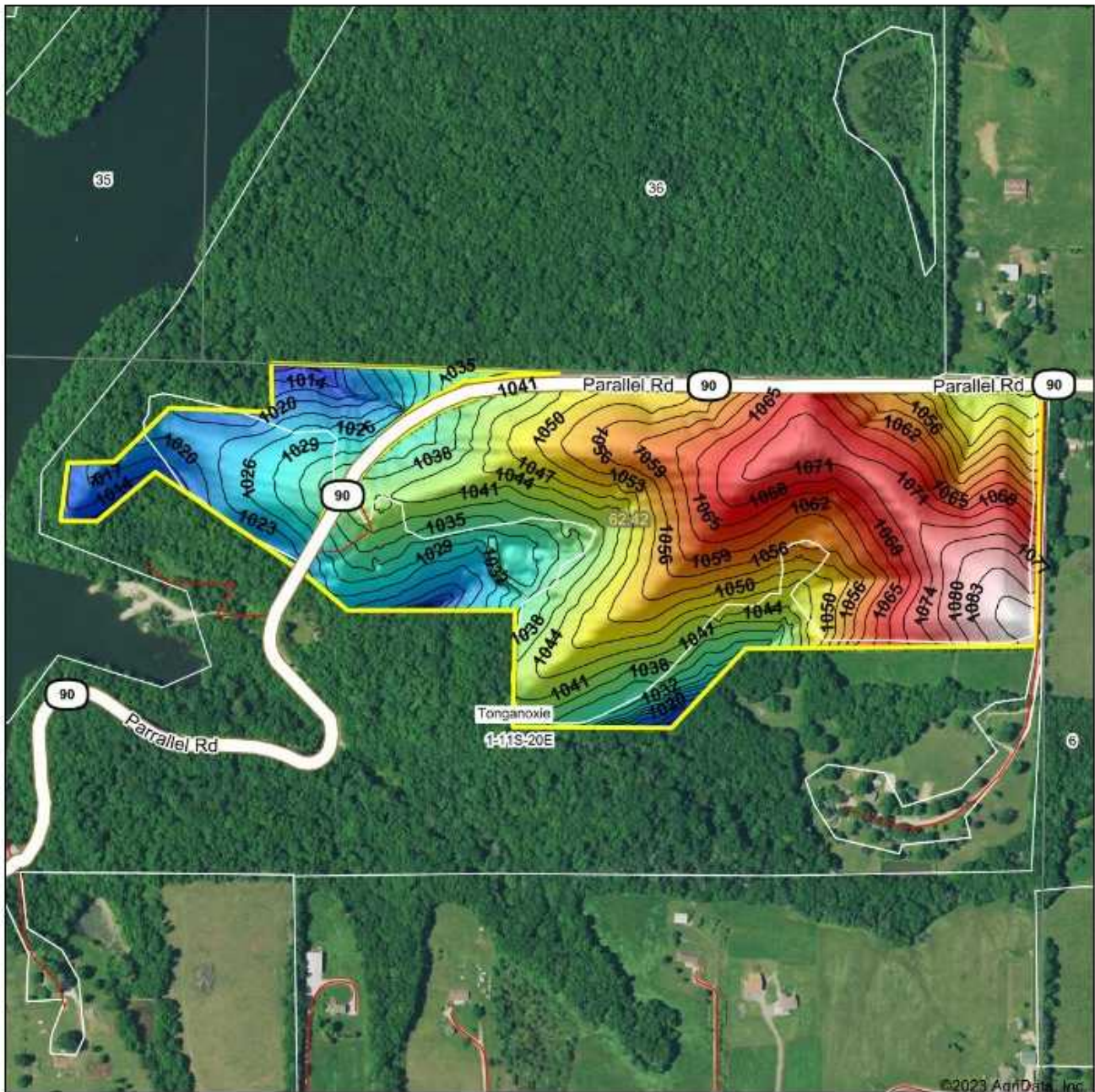
Area Symbol: KS103, Soil Area Version: 17										
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Range Production (lbs/acre/yr)	Warm season grasses AUM	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Soybeans
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	30.42	48.7%		IIIe	3878		42	38	39
7575	Shelby clay loam, 4 to 8 percent slopes, eroded	22.34	35.8%		IVe	3400		65	64	57
7550	Rosendale-Bendena silty clay loams, 3 to 40 percent slopes	4.72	7.6%		VIIe	3825	0.8	36	33	29
7461	Oska silty clay loam, 3 to 8 percent slopes, eroded	3.43	5.5%		IIIe	3188		40	39	33
7576	Shelby clay loam, 8 to 12 percent slopes, eroded	0.81	1.3%		IVe	3640		62	62	56
7555	Sarcoux silty clay loam, 1 to 4 percent slopes	0.70	1.1%		Ile	3960		78	77	66
Weighted Average					3.66	3662.8	0.1	*n 50.3	*n 47.7	*n 44.9

*n: The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Tract 3: Topography Map



Source: USGS 3 meter dem

Interval(ft): 3

Min: 1,008.4

Max: 1,087.6

Range: 79.2

Average: 1,047.5

Standard Deviation: 17.72 ft

0ft 546ft 1093ft



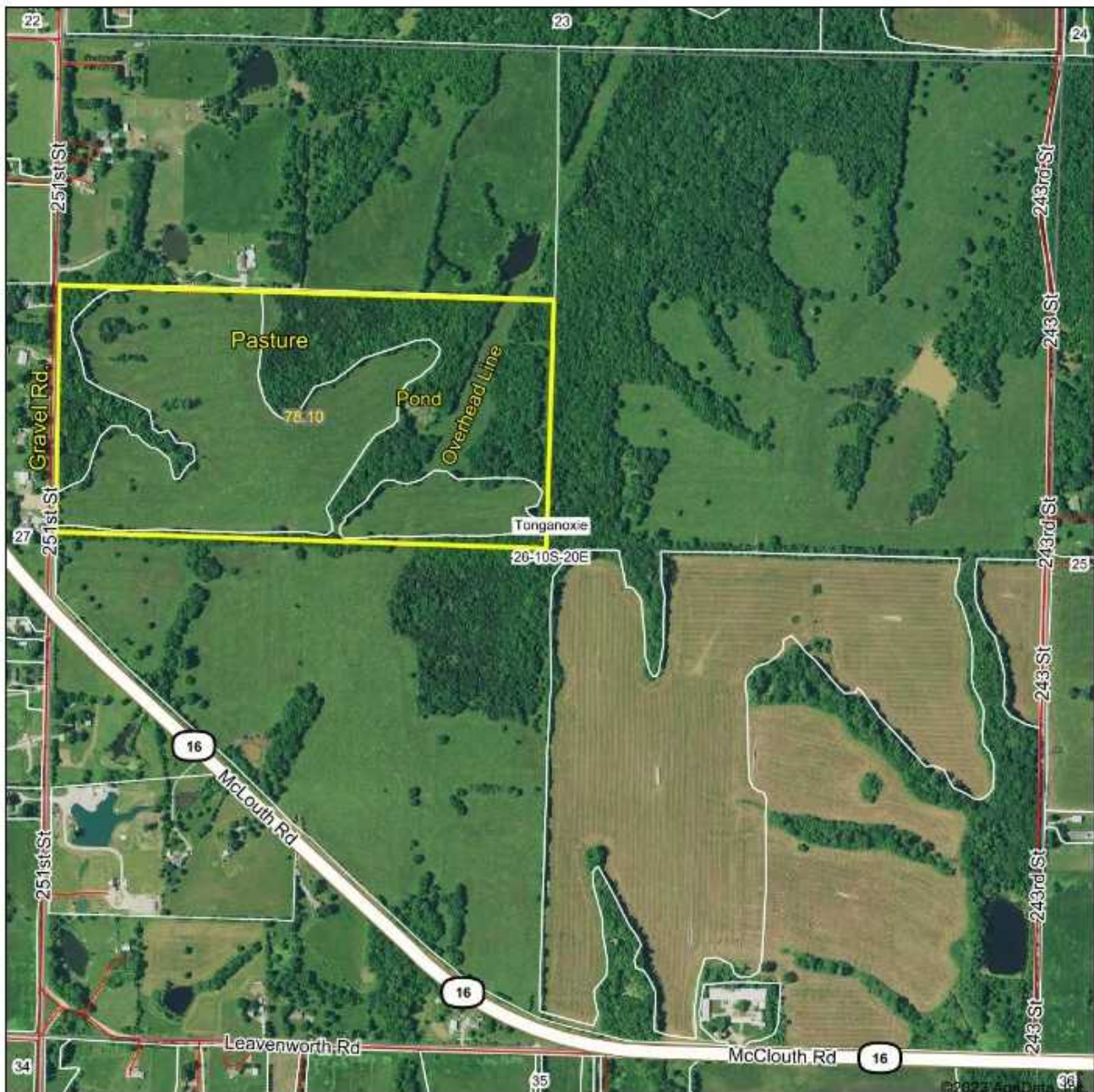
1-11S-20E
Leavenworth County
Kansas

map center:39.122720, -95.141598

Maps Provided By:
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Field borders provided by Farm Service Agency as of 5/21/2008.

Tract 4: Aerial Map



Map Center: 39.150659, -95.152445

0ft 822ft 1644ft

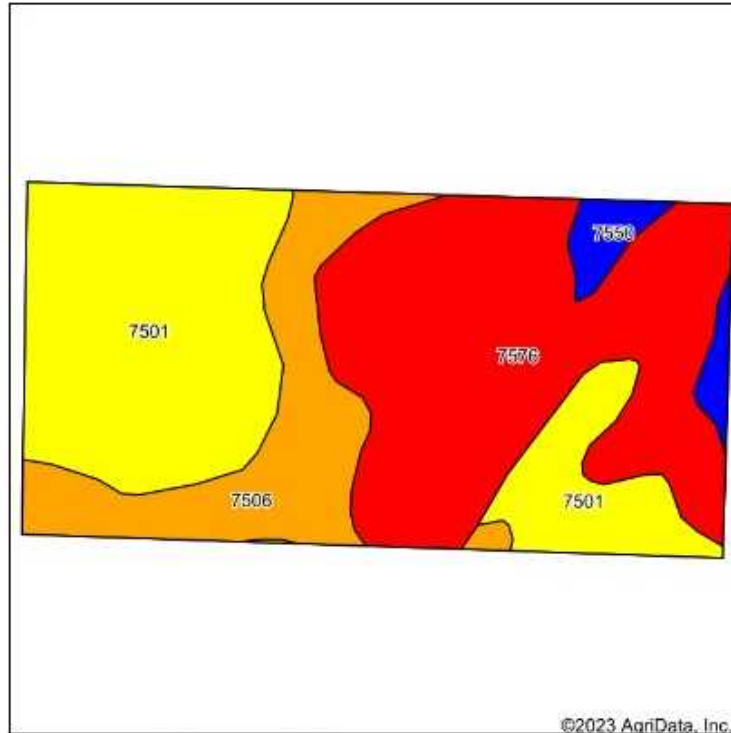
26-10S-20E
Leavenworth County
Kansas

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Field borders provided by Farm Service Agency as of 5/21/2008.

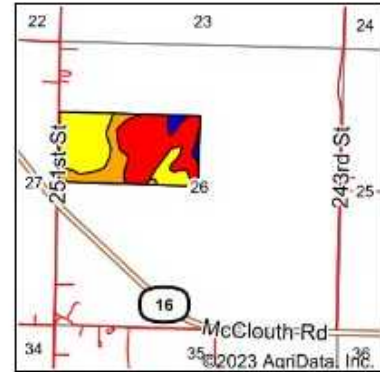


Tract 4: Soils Map



Soils data provided by USDA and NRCS.

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State: **Kansas**
 County: **Leavenworth**
 Location: **26-10S-20E**
 Township: **Tonganoxie**
 Acres: **78.1**
 Date: **4/25/2023**

Maps Provided By:



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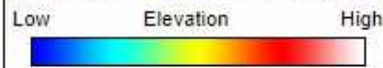
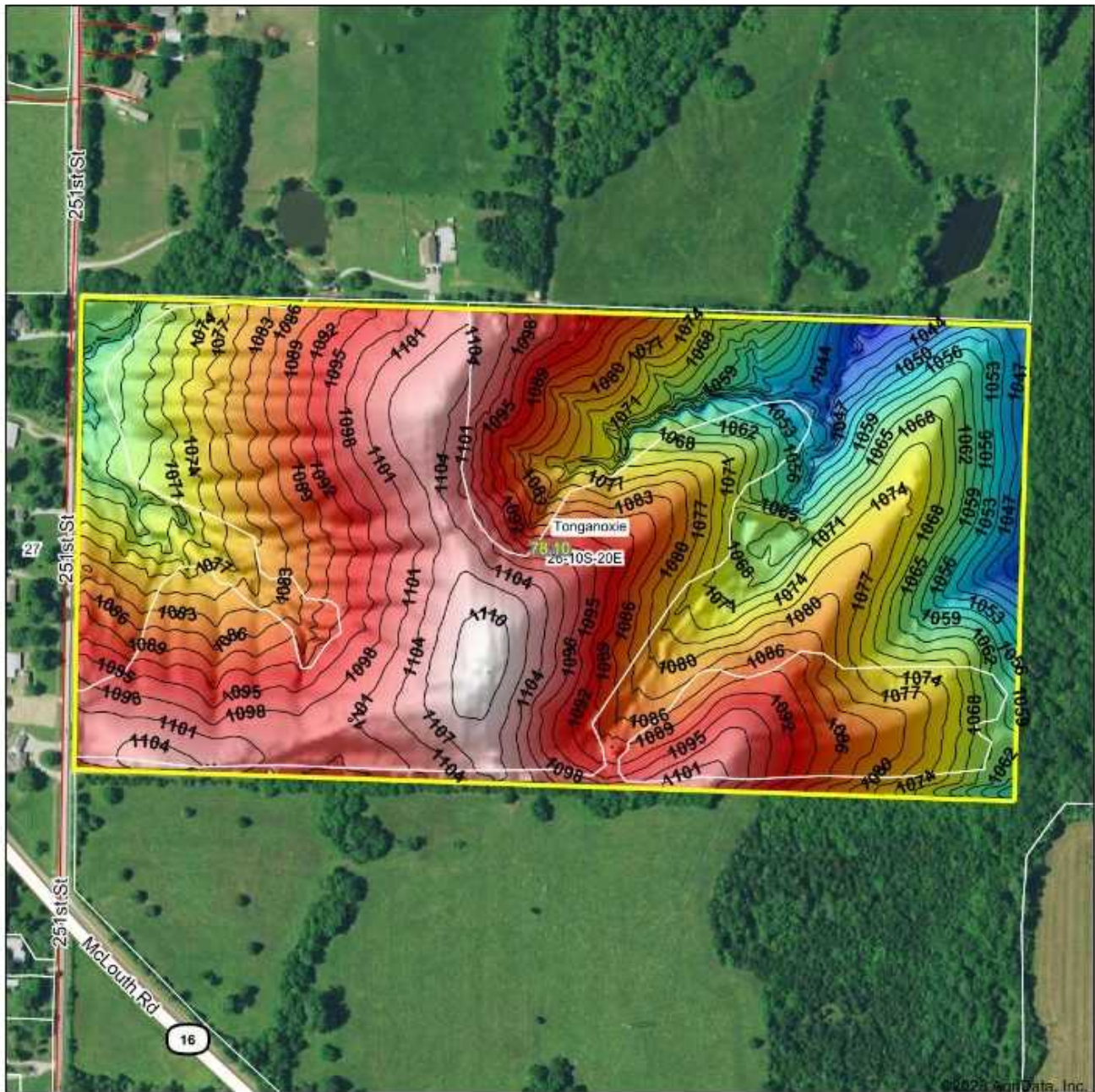
Area Symbol: KS103, Soil Area Version: 17										
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Range Production (lbs/acre/yr)	Warm season grasses AUM	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Soybeans
7576	Shelby clay loam, 8 to 12 percent slopes, eroded	32.34	41.4%		Ive	3640		62	62	56
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	29.69	38.0%		IIle	3878		42	38	39
7506	Pawnee clay loam, 1 to 4 percent slopes, eroded	13.40	17.2%		Ile	3750		42	37	38
7550	Rosendale-Bendena silty clay loams, 3 to 40 percent slopes	2.67	3.4%		Vlle	3825	0.8	36	33	29
Weighted Average					3.38	3755.7	*-	*n 50.1	*n 47.6	*n 45.5

*n: The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Tract 4: Topography Map



Source: USGS 3 meter dem

0ft 429ft 858ft

Interval(ft): 3

Min: 1,033.7

Max: 1,112.0

Range: 78.3

Average: 1,081.9

Standard Deviation: 16.9 ft



26-10S-20E
Leavenworth County
Kansas

map center: 39.150659, -95.152445

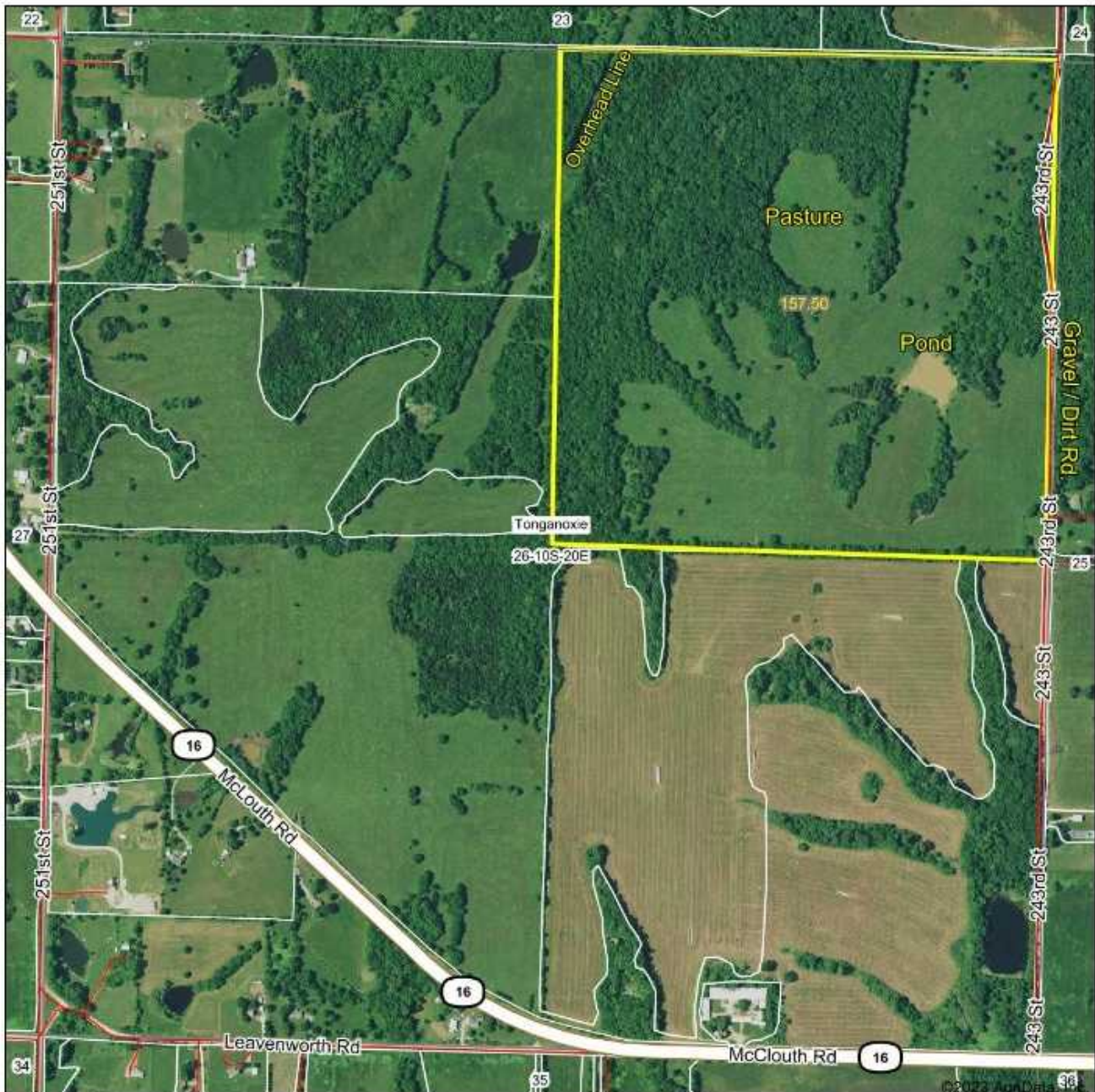
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Field borders provided by Farm Service Agency as of 5/21/2008.

Tract 5: Aerial Map



Map Center: 39.150659, -95.152445

0ft 822ft 1644ft

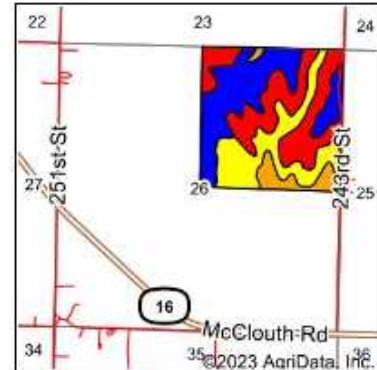
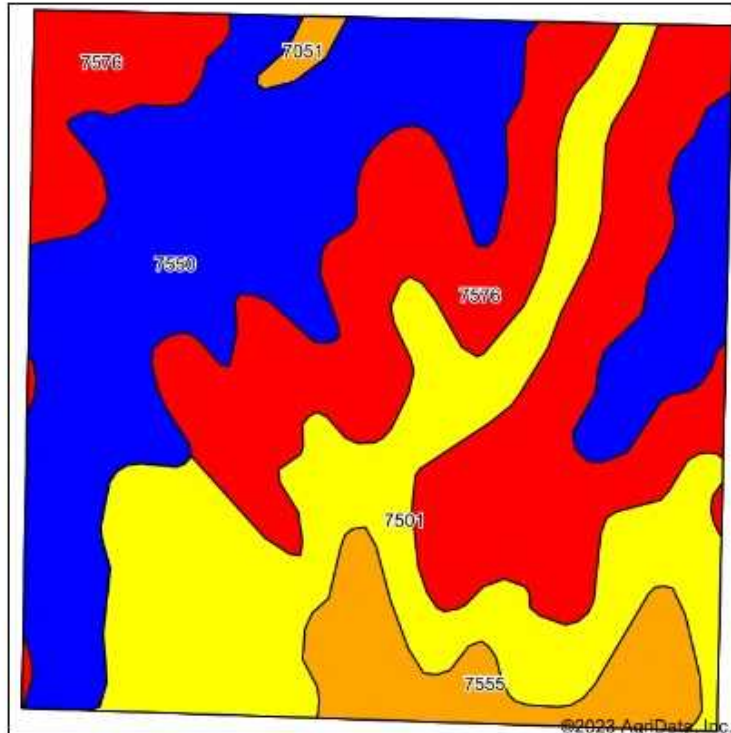
26-10S-20E
Leavenworth County
Kansas

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Field borders provided by Farm Service Agency as of 5/21/2008.

Tract 5: Soils Map



State: Kansas
County: Leavenworth
Location: 26-10S-20E
Township: Tonganoxie
Acres: 157.5
Date: 4/25/2023



Area Symbol: KS103, Soil Area Version: 17

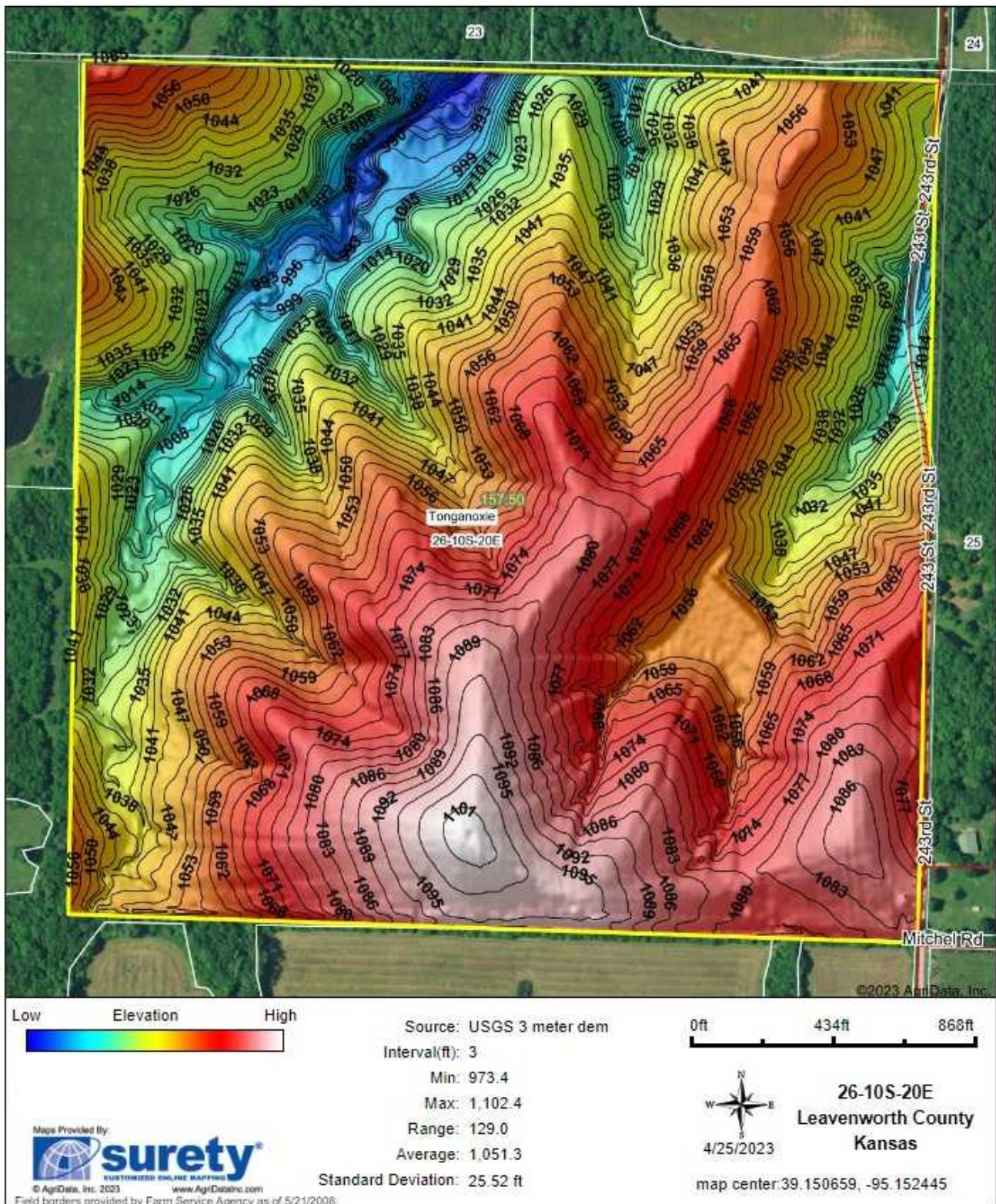
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Range Production (lbs/acre/yr)	Brome grass alfalfa AUM	Brome grass alfalfa hay Tons	Corn Bu	Kentucky bluegrass AUM	Oats Bu	Smooth brome grass AUM	Soybeans Bu	Warm season grasses AUM
7576	Shelby clay loam, 8 to 12 percent slopes, eroded	54.73	34.7%		Ive	3640								
7550	Rosendale-Bendena silty clay loams, 3 to 40 percent slopes	51.28	32.6%		Vlle	3825								0.1
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	39.73	25.2%		Ille	3878								
7555	Sarcoxis silty clay loam, 1 to 4 percent slopes	10.78	6.8%		Ile	3960								
7051	Kennebec silt loam, frequently flooded	0.98	0.6%		Ilw	6500	11.4	6.8	110	4	97	6.6	50	
Weighted Average						4.58	3800	0.1	*	0.7	*	0.6	*	0.3

*n: The aggregation method is "Weighted Average using all components"

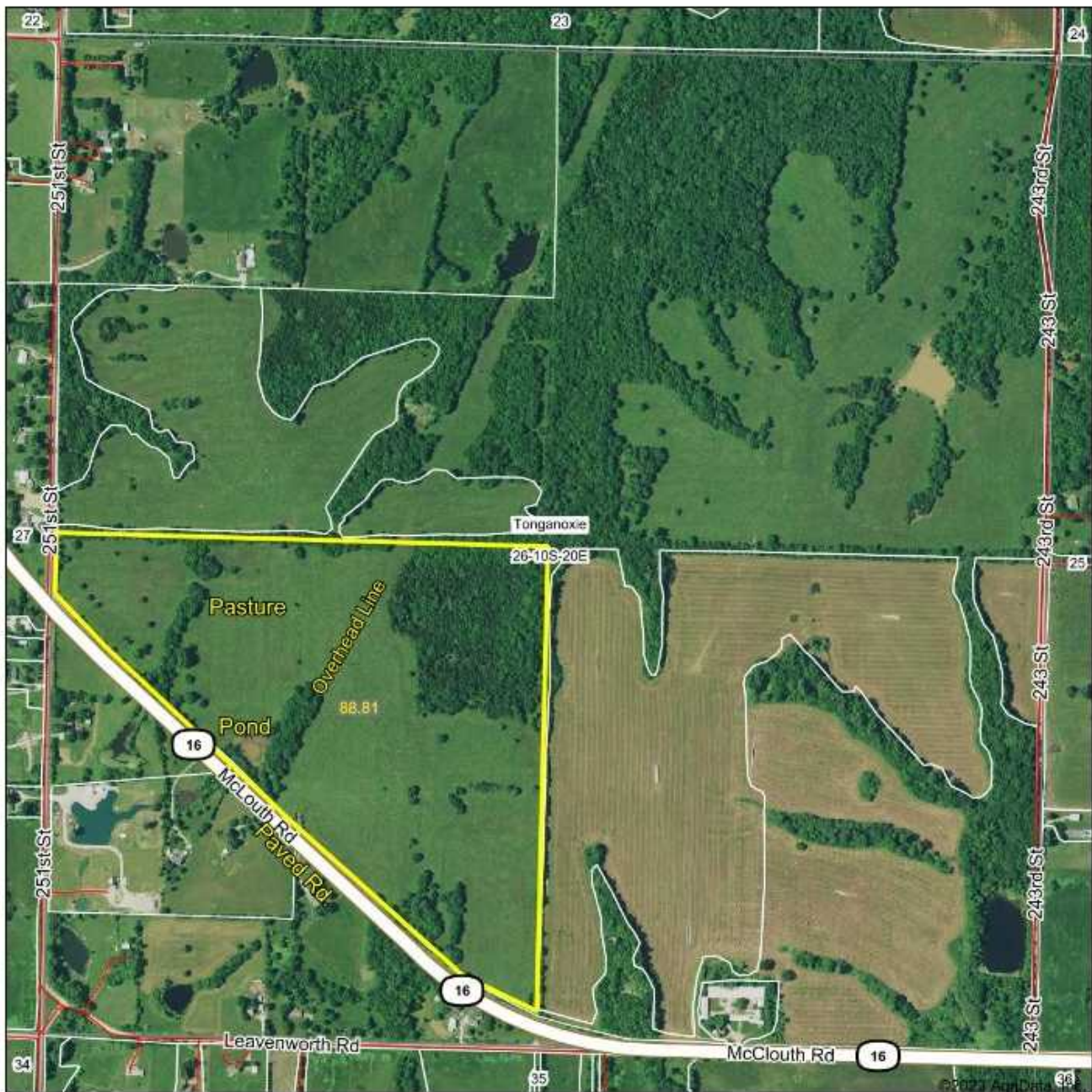
*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Tract 5: Topography Map



Tract 6: Aerial Map



Map Center: 39.150659, -95.152445

0ft 822ft 1644ft

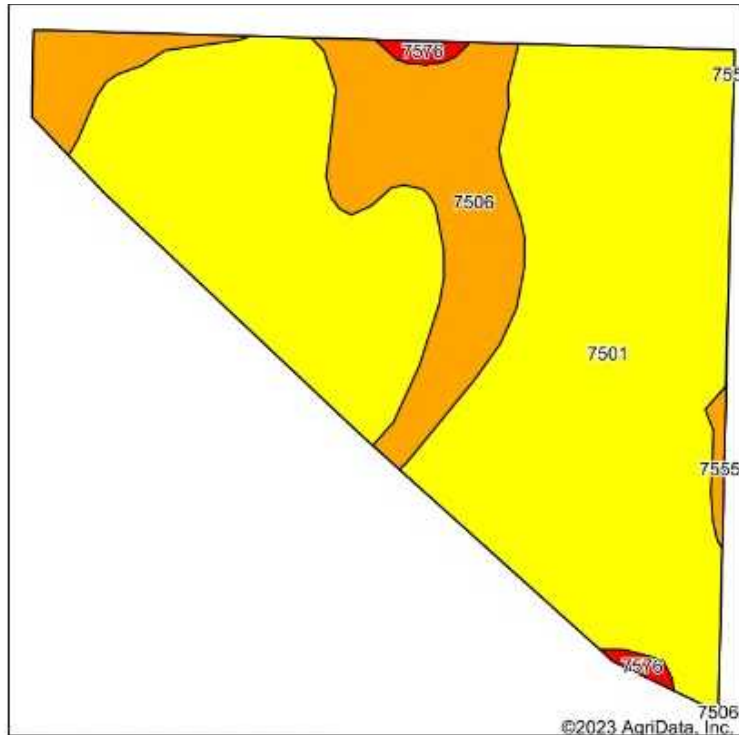
26-10S-20E
Leavenworth County
Kansas

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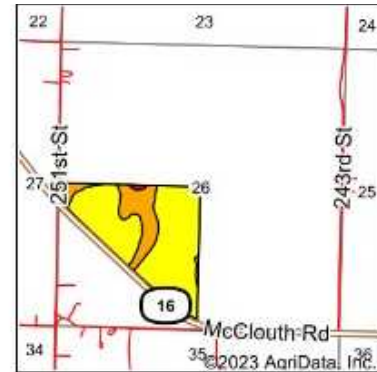


Field borders provided by Farm Service Agency as of 5/21/2008.

Tract 6: Soils Map



Soils data provided by USDA and NRCS.



State: **Kansas**
 County: **Leavenworth**
 Location: **26-10S-20E**
 Township: **Tonganoxie**
 Acres: **88.81**
 Date: **4/25/2023**



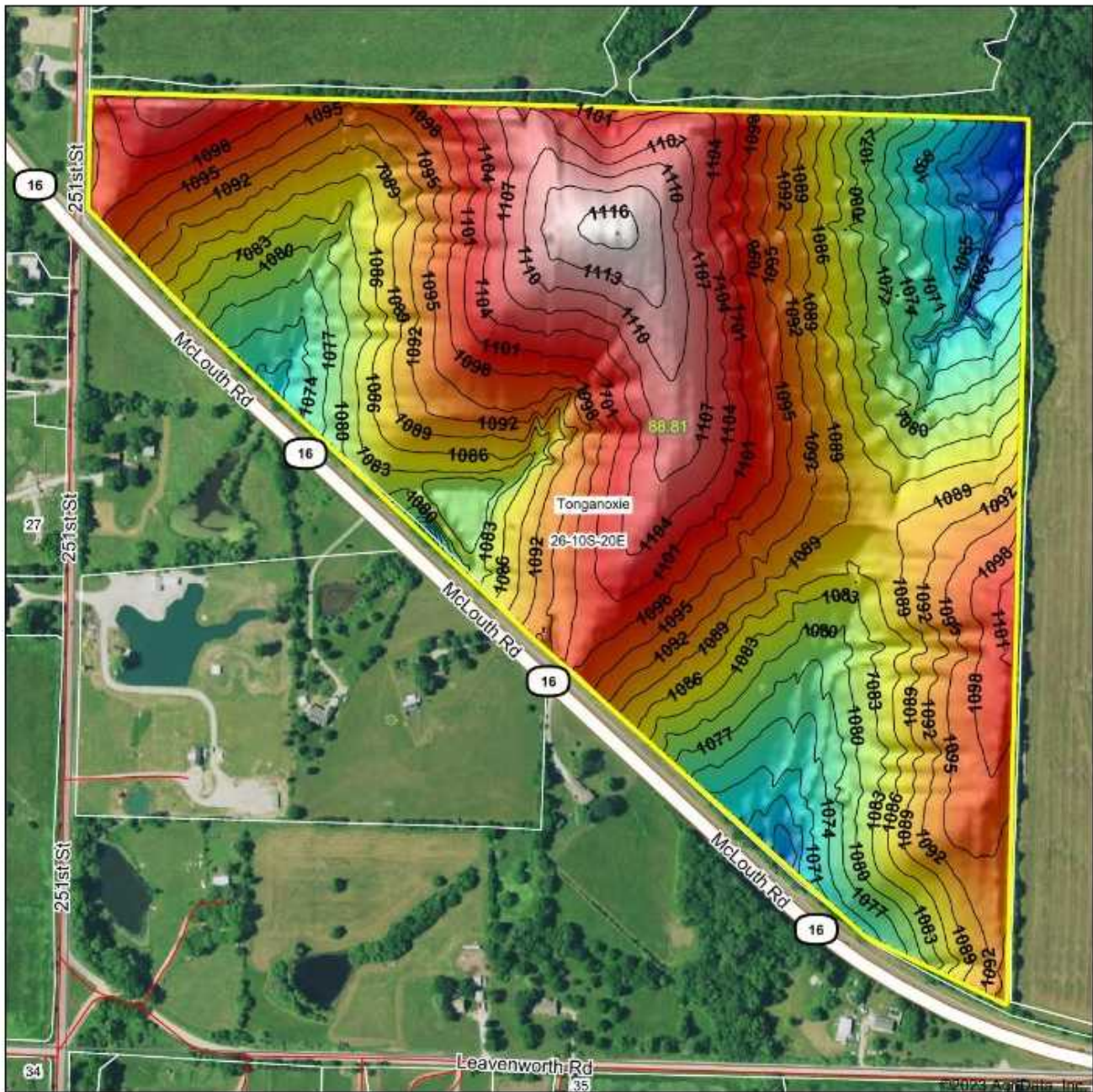
Area Symbol: KS103, Soil Area Version: 17										
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Range Production (lbs/acre/yr)	Warm season grasses AUM	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Soybeans
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	70.15	79.0%		IIIe	3878		42	38	39
7506	Pawnee clay loam, 1 to 4 percent slopes, eroded	17.17	19.3%		Ile	3750		42	37	38
7576	Shelby clay loam, 8 to 12 percent slopes, eroded	0.90	1.0%		IVe	3640		62	62	56
7555	Sarcoxis silty clay loam, 1 to 4 percent slopes	0.59	0.7%		Ile	3960		78	77	66
Weighted Average					2.81	3851.4	*	*n 42.4	*n 38.3	*n 39.2

*n: The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Tract 6: Topography Map



Source: USGS 3 meter dem

Interval(ft): 3

Min: 1,053.3

Max: 1,117.2

Range: 63.9

Average: 1,090.4

Standard Deviation: 12.07 ft

0ft 431ft 863ft



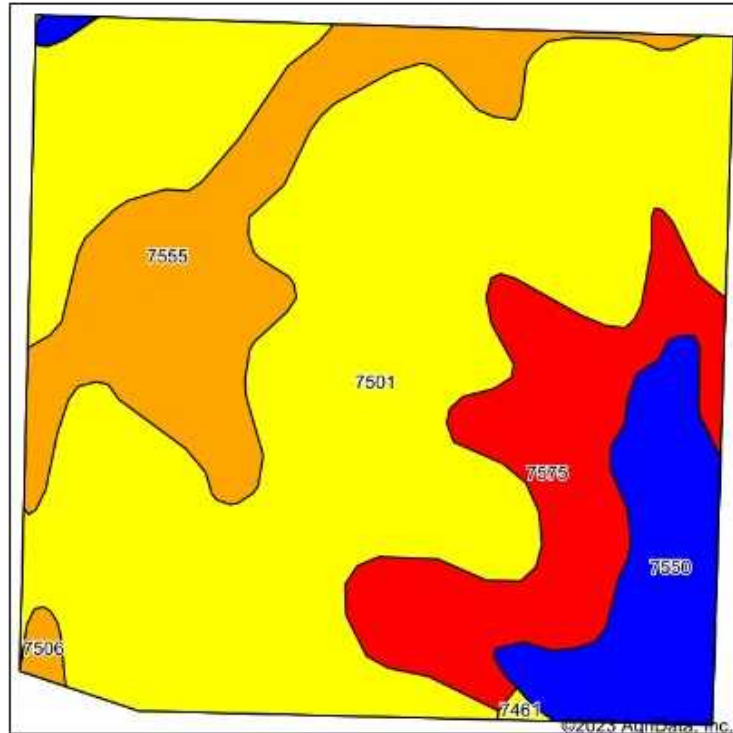
26-10S-20E
Leavenworth County
Kansas

map center:39.150659, -95.152445

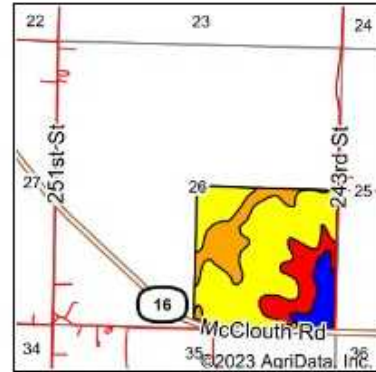
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Field borders provided by Farm Service Agency as of 5/21/2008.

Tract 7: Soils Map



Soils data provided by USDA and NRCS.



State: **Kansas**
 County: **Leavenworth**
 Location: **26-10S-20E**
 Township: **Tonganoxie**
 Acres: **154.85**
 Date: **4/25/2023**

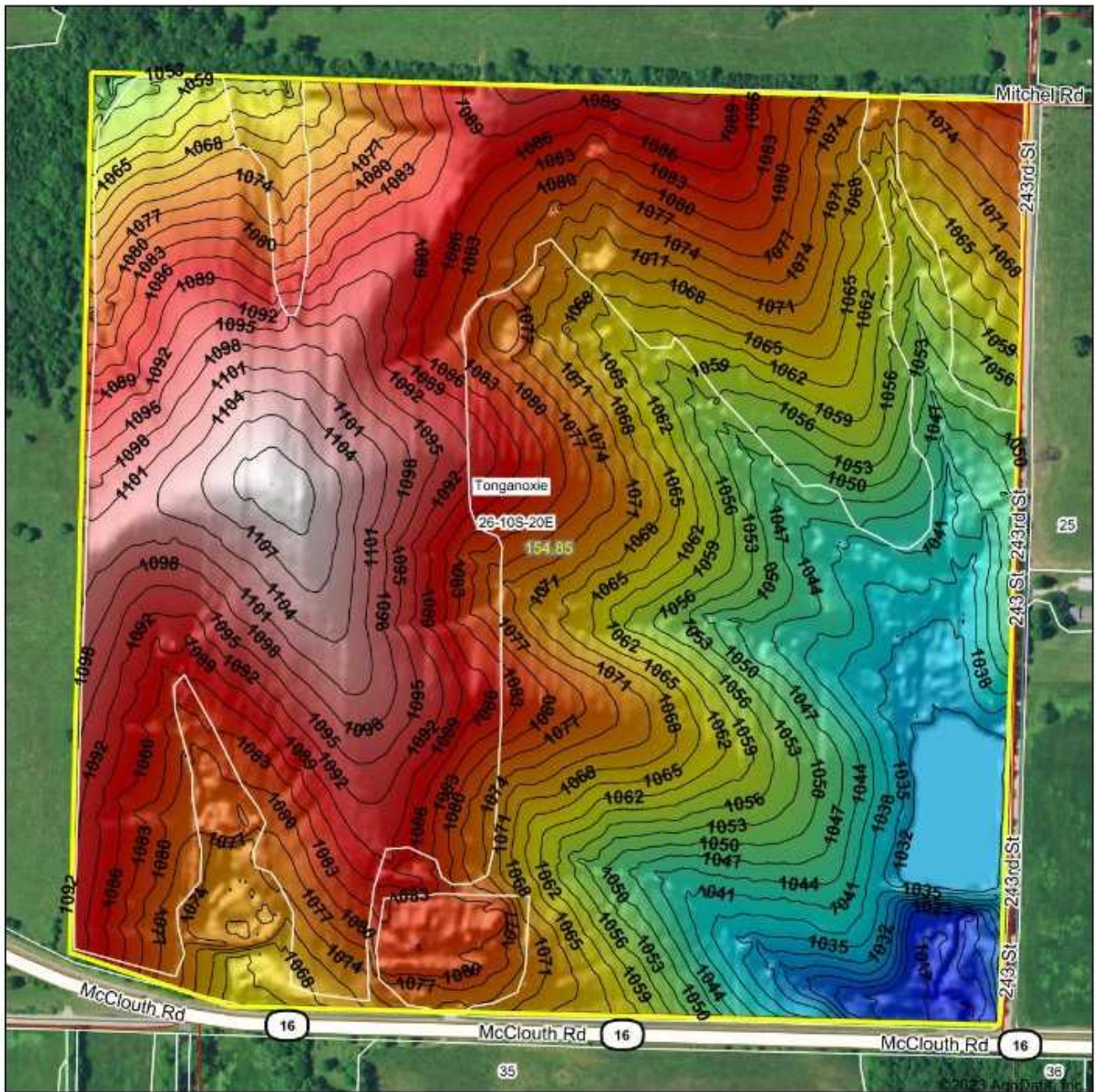


Area Symbol: KS103, Soil Area Version: 17										
Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Range Production (lbs/acre/yr)	Warm season grasses AUM	*n NCCPI Overall	*n NCCPI Corn	*n NCCPI Soybeans
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	93.24	60.2%		IIIe	3878		42	38	39
7555	Sarcoxis silty clay loam, 1 to 4 percent slopes	24.19	15.6%		Ile	3960		78	77	66
7575	Shelby clay loam, 4 to 8 percent slopes, eroded	22.24	14.4%		IVe	3400		65	64	57
7550	Rosendale-Bendena silty clay loams, 3 to 40 percent slopes	14.07	9.1%		VIIe	3825	0.8	36	33	29
7506	Pawnee clay loam, 1 to 4 percent slopes, eroded	0.81	0.5%		Ile	3750		42	37	38
7461	Oska silty clay loam, 3 to 8 percent slopes, eroded	0.30	0.2%		IIIe	3188		40	39	33
Weighted Average					3.35	3815.3	0.1	*n 50.4	*n 47.4	*n 44.9

*n: The aggregation method is "Weighted Average using all components"
 *c: Using Capabilities Class Dominant Condition Aggregation Method

Soils data provided by USDA and NRCS.

Tract 7: Topography Map



Source: USGS 3 meter dem
Interval(ft): 3
Min: 1,013.2
Max: 1,111.8
Range: 98.6
Average: 1,071.0
Standard Deviation: 20.7 ft

0ft 435ft 869ft



26-10S-20E
Leavenworth County
Kansas

map center:39.150659, -95.152445



Field borders provided by Farm Service Agency as of 5/21/2008.