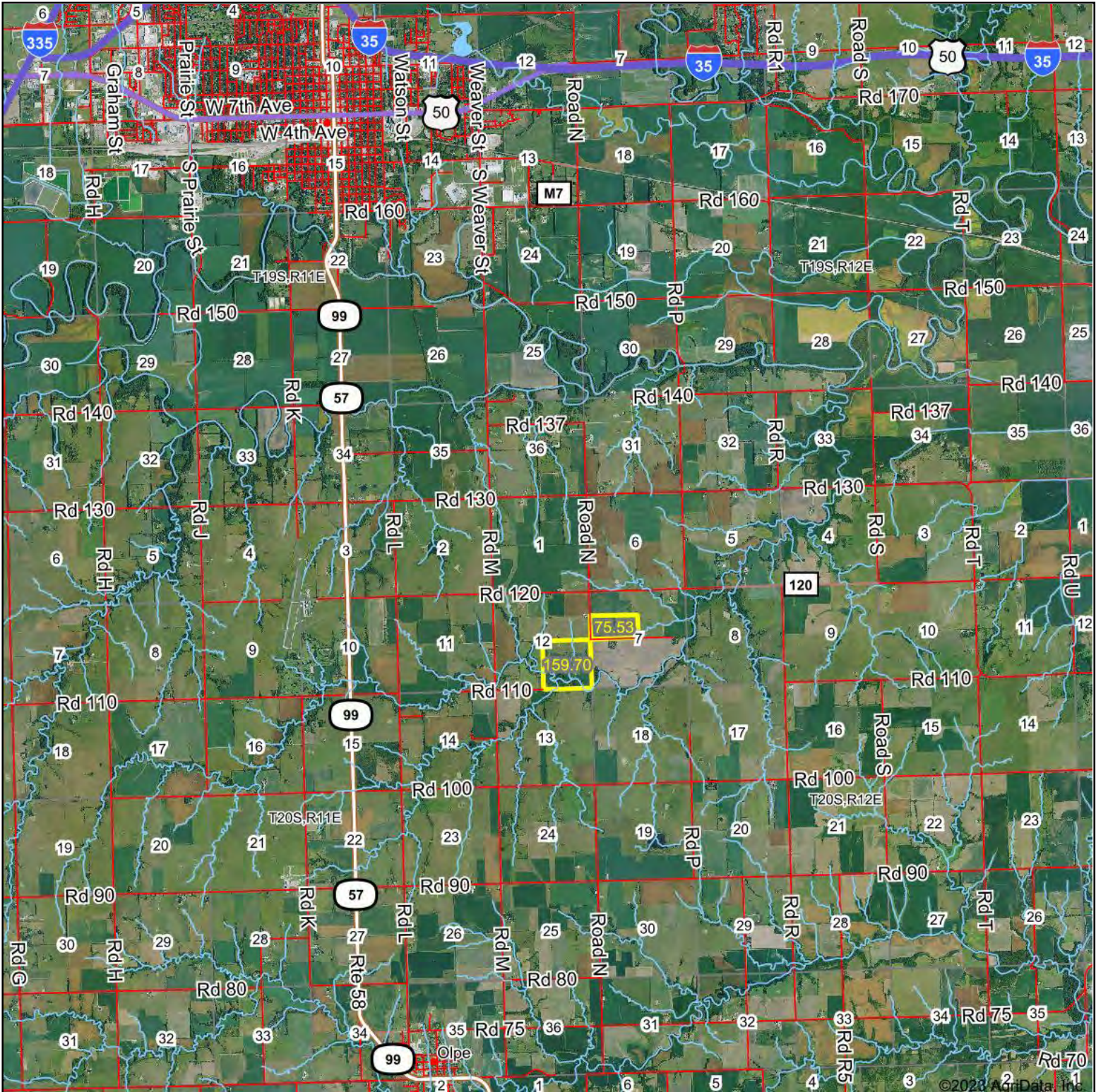
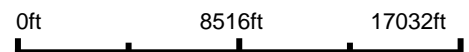


Aerial Map



Boundary Center: 38° 19' 23.86, -96° 8' 3.84



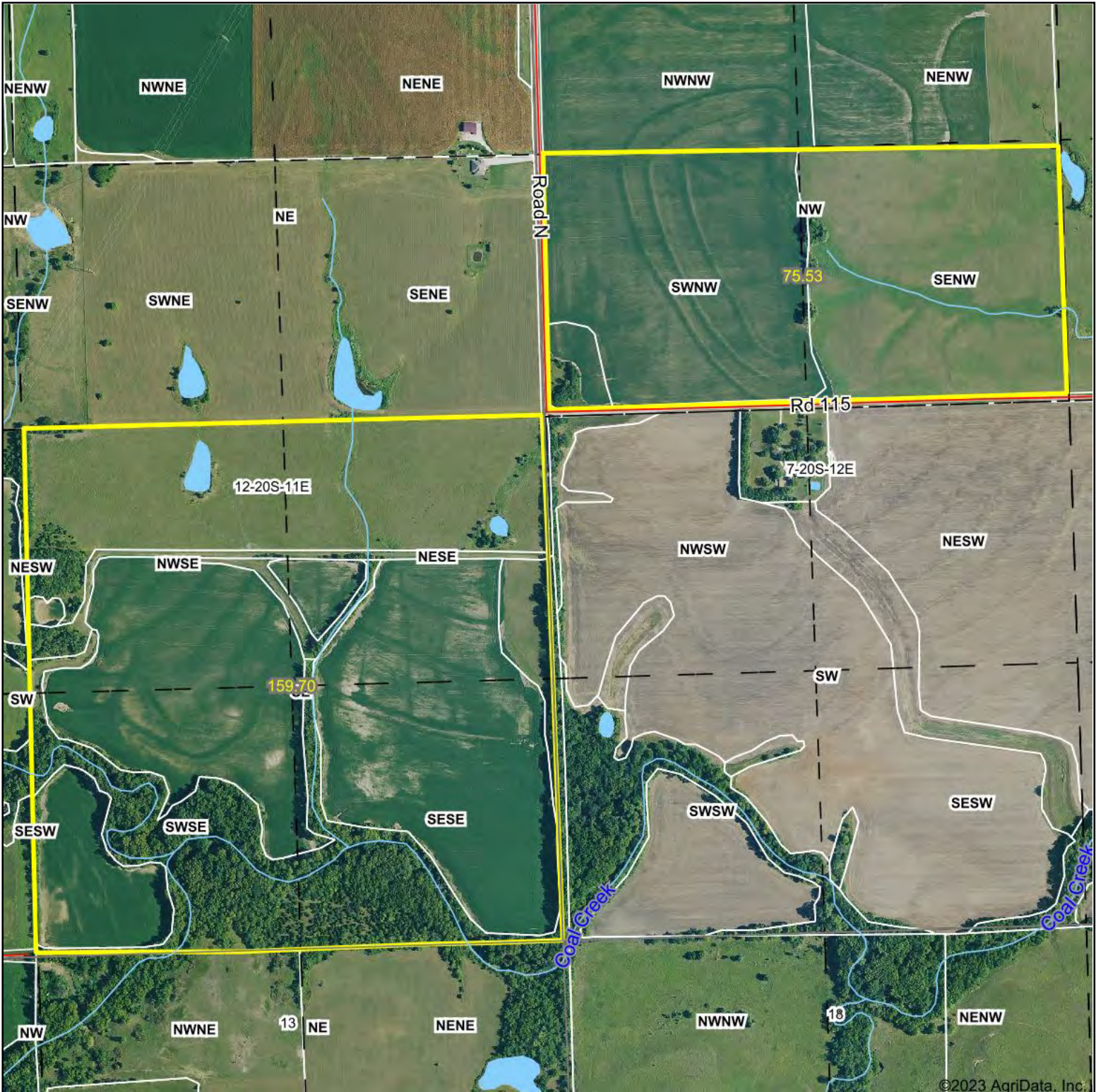
12-20S-11E
Lyon County
Kansas



Maps Provided By:
 **surety**
CUSTOMIZED ONLINE MAPPING
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12/26/2023

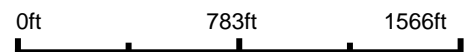
Aerial Map



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Map Center: 38° 19' 23.86, -96° 8' 3.84



12-20S-11E
Lyon County
Kansas



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

Aerial Map



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Boundary Center: 38° 19' 17.42, -96° 8' 20.25



12-20S-11E
Lyon County
Kansas

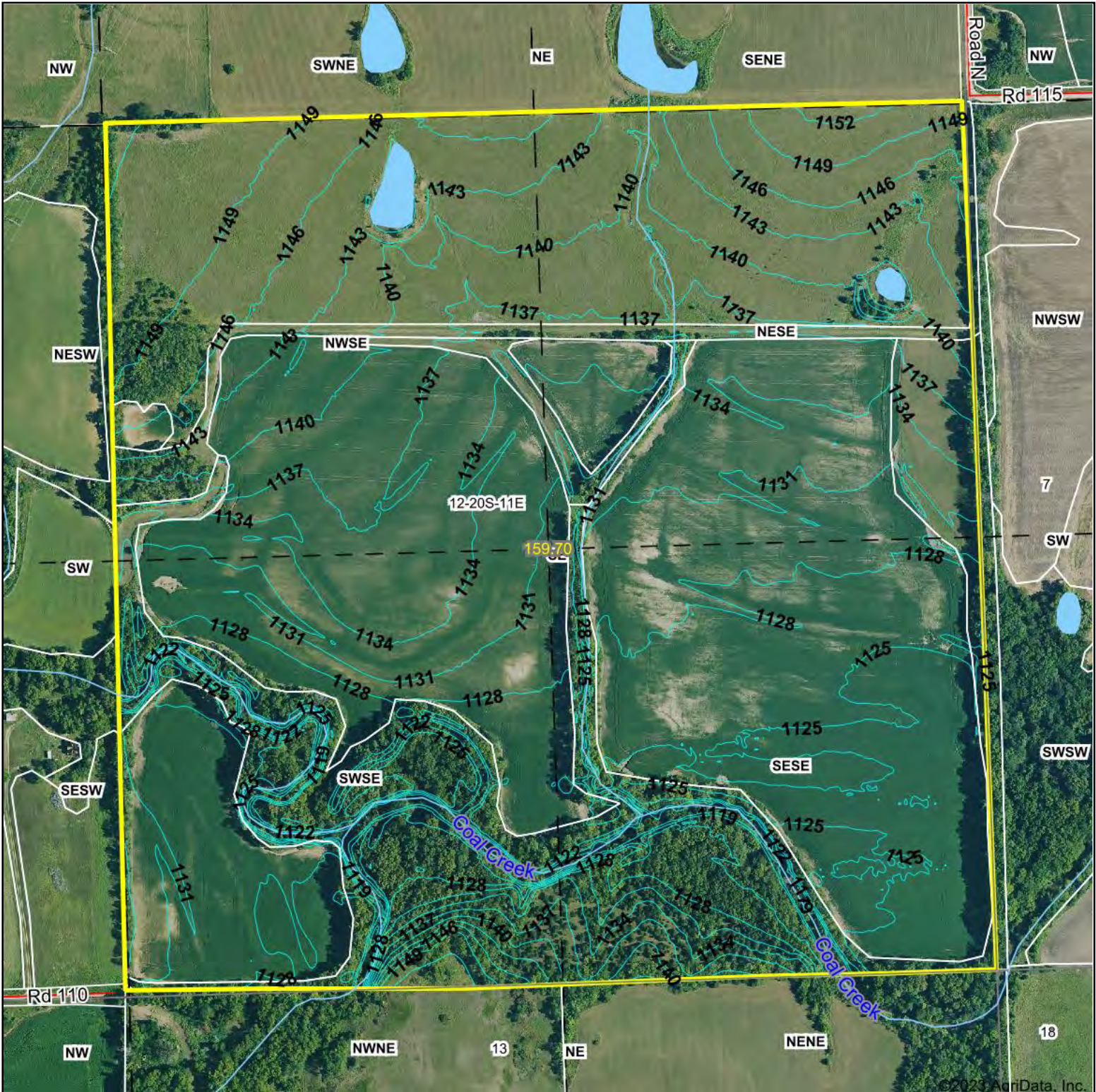


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12/26/2023

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

Topography Contours



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

Source: USGS 3 meter dem

Interval(ft): 3.0

Min: 1,115.7

Max: 1,154.6

Range: 38.9

Average: 1,134.0

Standard Deviation: 8.1 ft

0ft 473ft 947ft

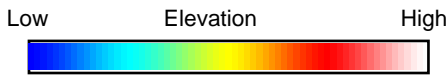
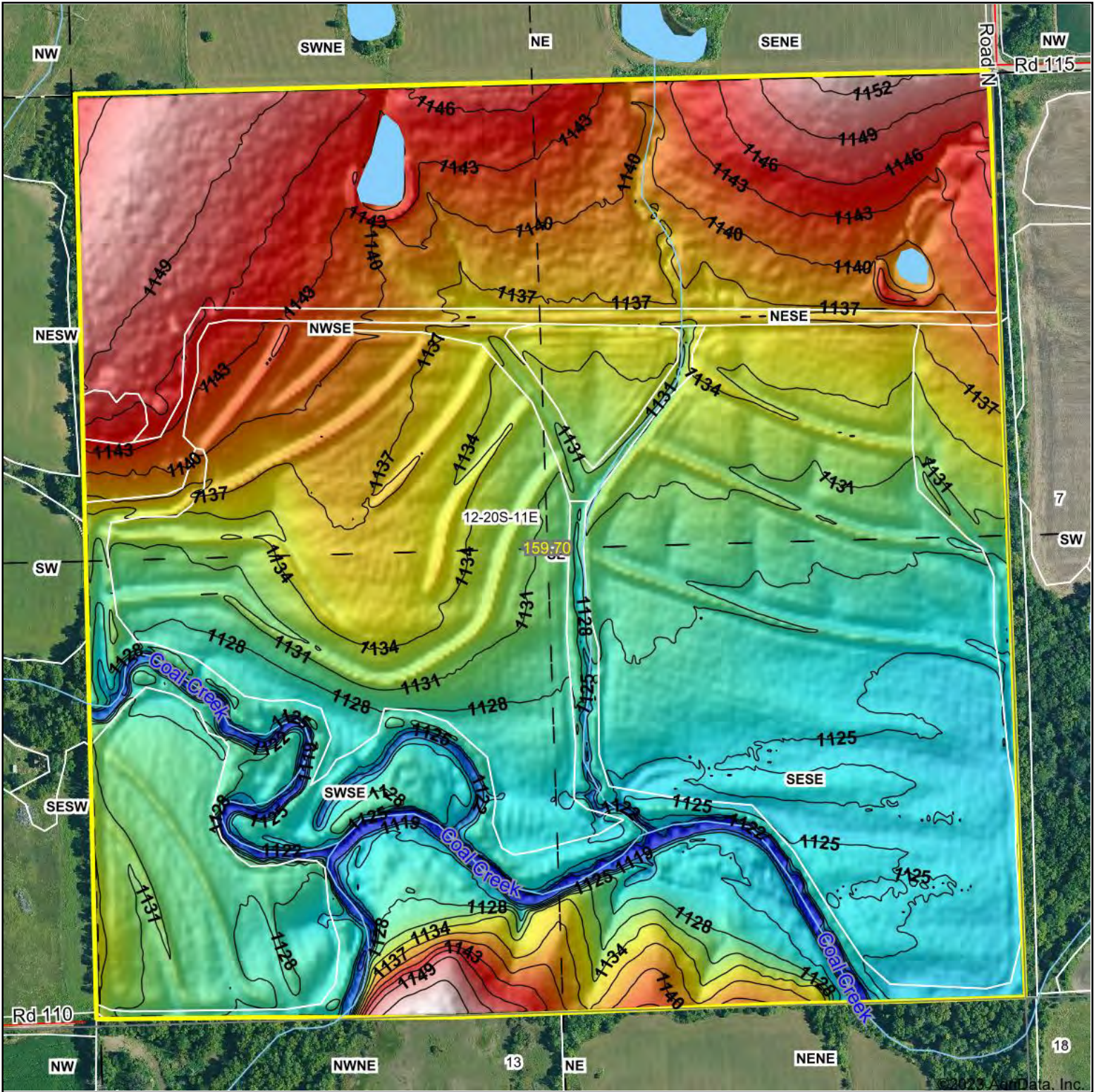


12/26/2023

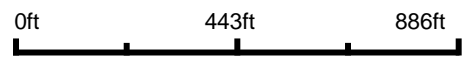
12-20S-11E
Lyon County
Kansas

Boundary Center: 38° 19' 17.42, -96° 8' 20.25

Topography Hillshade



Source: USGS 3 meter dem
 Interval(ft): 3
 Min: 1,115.7
 Max: 1,154.6
 Range: 38.9
 Average: 1,134.0
 Standard Deviation: 8.1 ft



Maps Provided By:



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

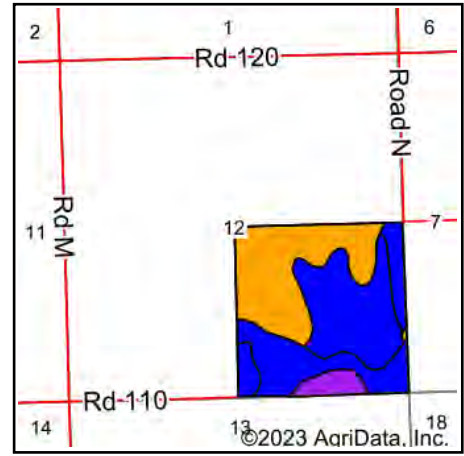
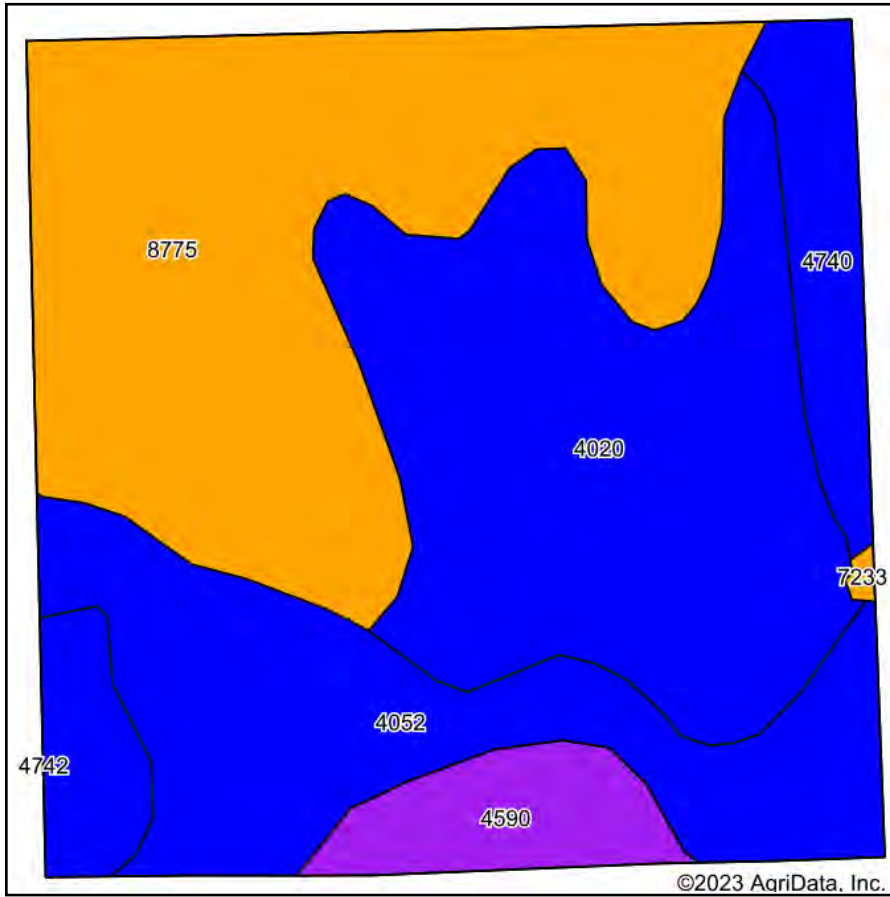


12/26/2023

12-20S-11E
Lyon County
Kansas

Boundary Center: 38° 19' 17.42, -96° 8' 20.25

Soils Map



State: **Kansas**
 County: **Lyon**
 Location: **12-20S-11E**
 Township: **Emporia**
 Acres: **159.7**
 Date: **12/26/2023**



Soils data provided by USDA and NRCS.

Area Symbol: KS111, Soil Area Version: 22

Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Irr Class *c	*n NCCPI Soybeans
8775	Kenoma silt loam, 1 to 3 percent slopes	57.56	36.0%		IIIe		59
4020	Chase silty clay loam, occasionally flooded	53.67	33.6%		IIw	IIw	66
4052	Ivan silt loam, occasionally flooded	31.55	19.8%		IIw	IIw	81
4740	Labelle silty clay loam, 1 to 3 percent slopes	8.57	5.4%		Ile	Ile	43
4590	Clime-Sogn complex, 3 to 20 percent slopes	8.07	5.1%		VIe		33
7233	Elmont silt loam, 3 to 7 percent slopes	0.28	0.2%		IIIe	IIIe	66
Weighted Average					2.56	*-	*n 63.5

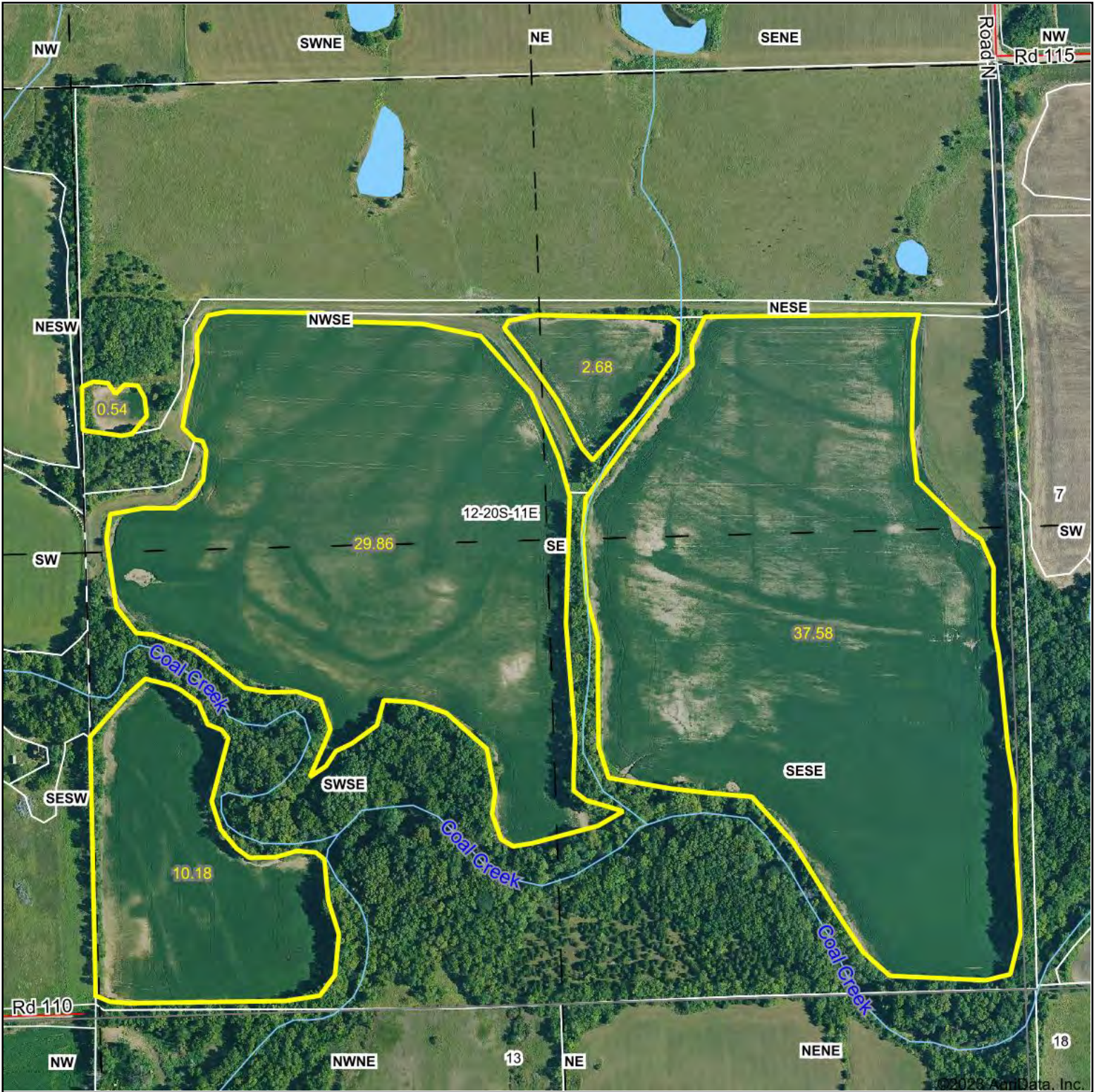
*n: The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

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

Soils data provided by USDA and NRCS.

Aerial Map



Boundary Center: 38° 19' 14.34, -96° 8' 20.28



12-20S-11E
Lyon County
Kansas



Maps Provided By:

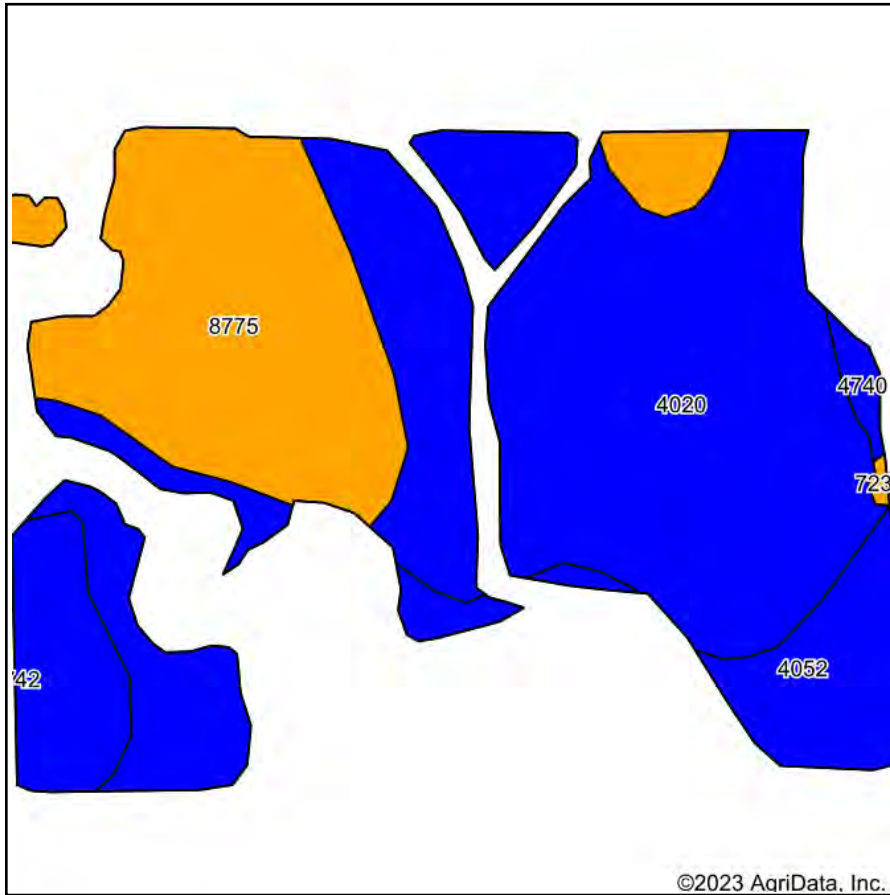


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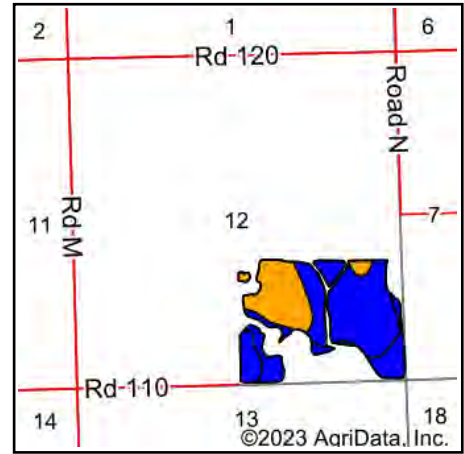
12/26/2023

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

Soils Map



Soils data provided by USDA and NRCS.



State: **Kansas**
 County: **Lyon**
 Location: **12-20S-11E**
 Township: **Emporia**
 Acres: **80.84**
 Date: **12/26/2023**



Maps Provided By:



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Area Symbol: KS111, Soil Area Version: 22

Code	Soil Description	Acres	Percent of field	Non-Irr Class Legend	Non-Irr Class *c	Irr Class *c	*n NCCPI Soybeans
4020	Chase silty clay loam, occasionally flooded	44.85	55.5%		IIw	IIw	66
8775	Kenoma silt loam, 1 to 3 percent slopes	21.64	26.8%		IIIe		59
4052	Ivan silt loam, occasionally flooded	13.47	16.7%		IIw	IIw	81
4740	Labette silty clay loam, 1 to 3 percent slopes	0.74	0.9%		Ile	Ile	43
7233	Elmont silt loam, 3 to 7 percent slopes	0.14	0.2%		IIIe	IIIe	66
Weighted Average					2.27	*-	*n 66.4

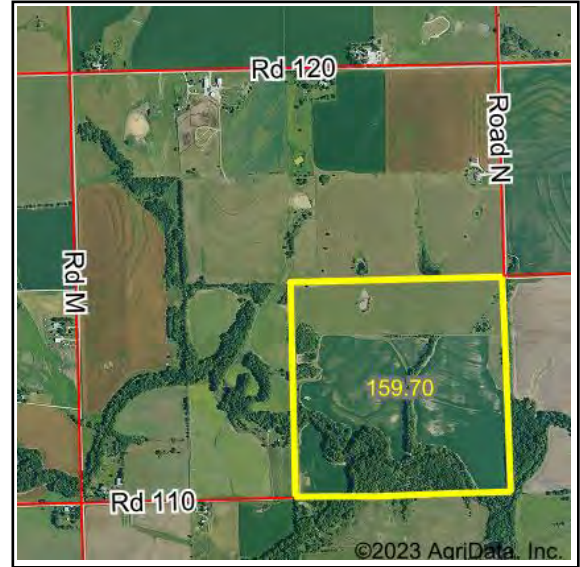
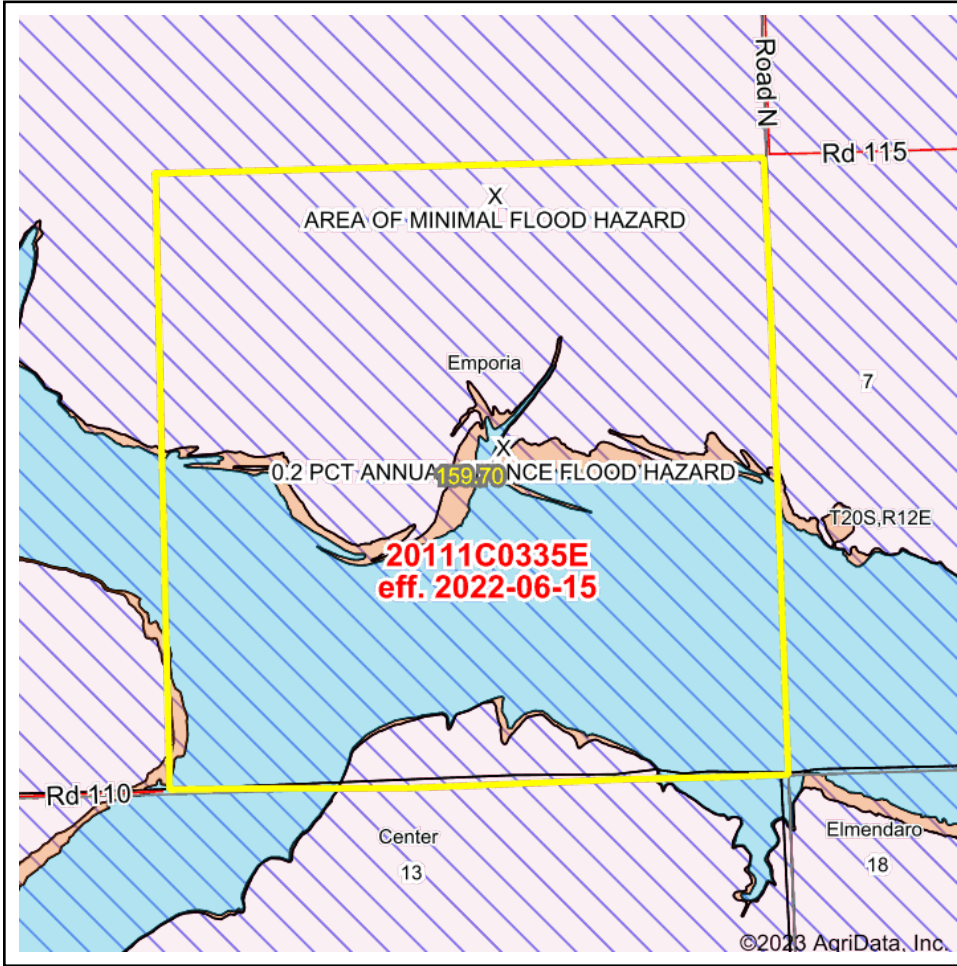
*n: The aggregation method is "Weighted Average using all components"

*c: Using Capabilities Class Dominant Condition Aggregation Method

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

Soils data provided by USDA and NRCS.

FEMA Report



Map Center: 38° 19' 17.07, -96° 8' 19.3

State: KS Acres: 159.7
 County: Lyon Date: 12/26/2023
 Location: 12-20S-11E
 Township: Emporia



Name	Number	County	NFIP Participation	Acres	Percent
LYON COUNTY	200201	Lyon	Regular	159.7	100%
Total				159.7	100%

Map Change	Date	Case No.	Acres	Percent
No			0	0%

Zone	SubType	Description	Acres	Percent
X	AREA OF MINIMAL FLOOD HAZARD	Outside 500-year Floodplain	85.05	53.3%
A		100-year Floodplain	67.29	42.1%
X	0.2 PCT ANNUAL CHANCE FLOOD HAZARD	500-year floodplain	6.23	3.9%
X	0.2 PCT ANNUAL CHANCE FLOOD HAZARD	500-year floodplain	0.64	0.4%
X	0.2 PCT ANNUAL CHANCE FLOOD HAZARD	500-year floodplain	0.49	0.3%
Total			159.70	100%

Panel	Effective Date	Acres	Percent
20111C0335E	6/15/2022	159.7	100%
Total		159.7	100%