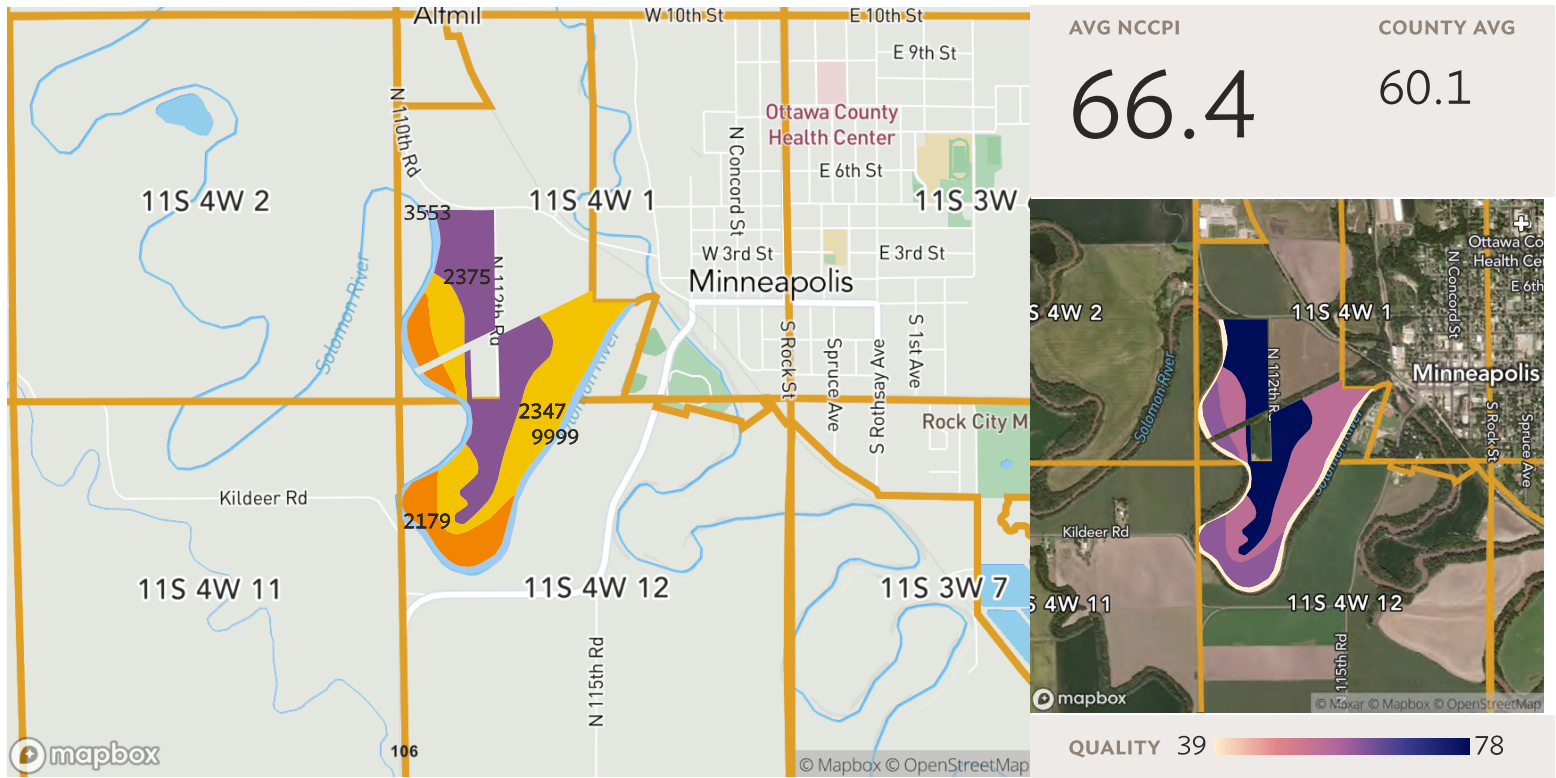


4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



All fields

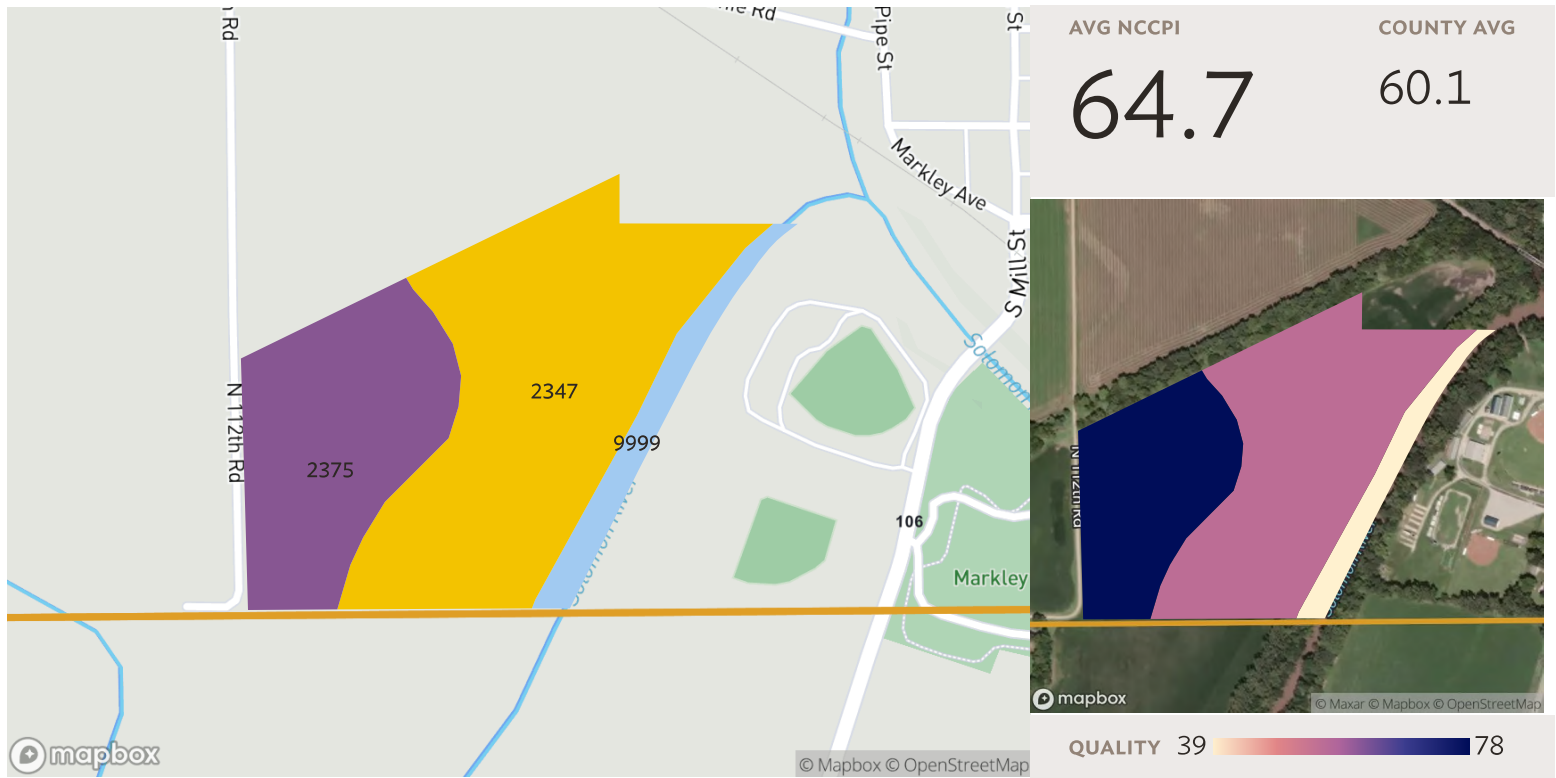
Source: NRCS Soil Survey

162 ac.

SOIL CODE	SOIL DESCRIPTION	ACRES	PERCENTAGE OF FIELD	SOIL CLASS	NCCPI
2347	McCook silt loam, rarely flooded	62.08	38.3%	1	55.7
2375	Roxbury silt loam, rarely flooded	56.73	35.0%	2	80.6
2179	McCook soils, occasionally flooded	25.38	15.6%	2	61.1
9999	Water	18.02	11.1%		N/A
3553	Hobbs silt loam, frequently flooded	0.04	0.0%	5	56.2
		144.23	88.9%		66.4

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Field 1

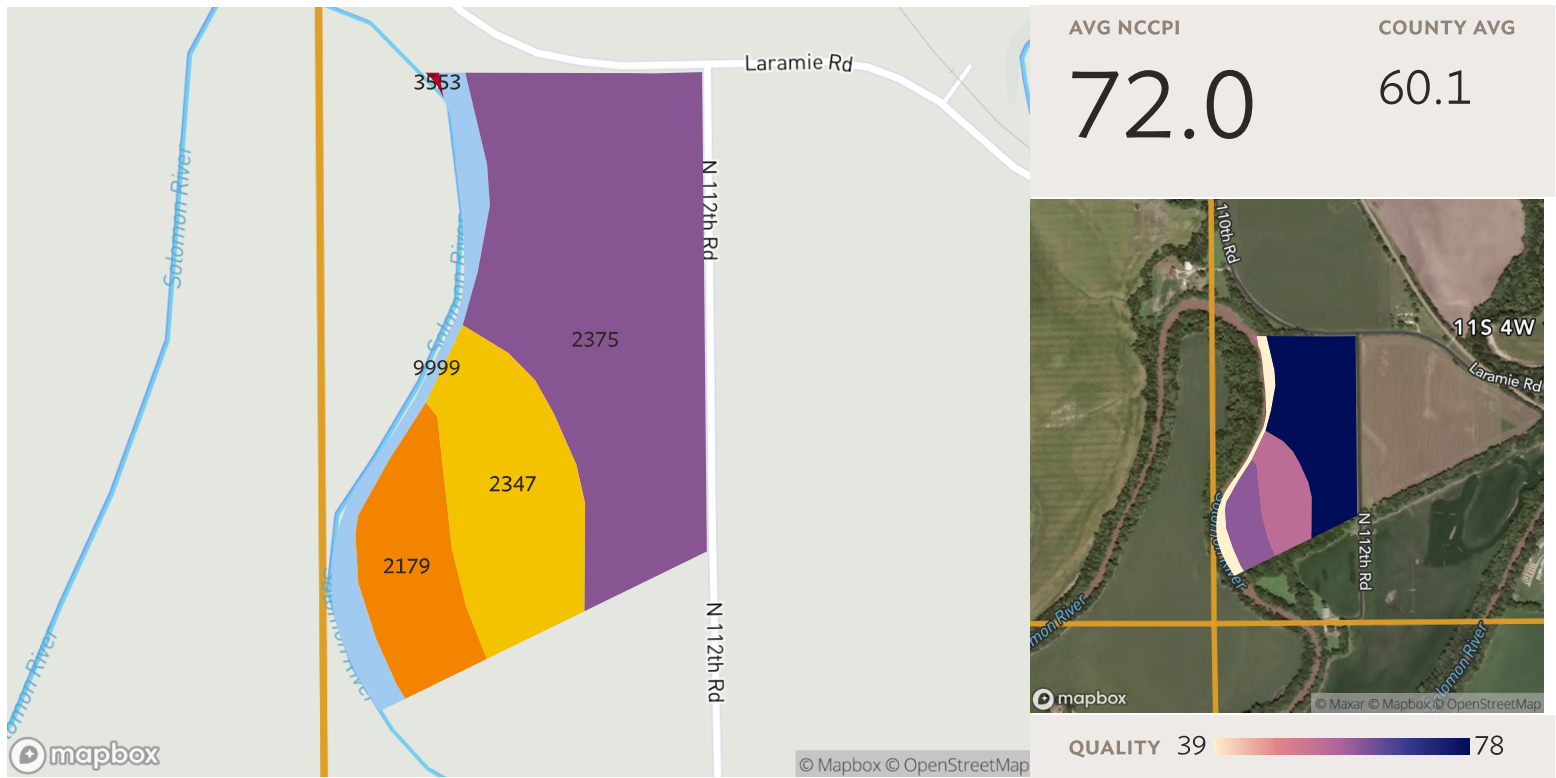
Source: NRCS Soil Survey

40 ac.

SOIL CODE	SOIL DESCRIPTION	ACRES	PERCENTAGE OF FIELD	SOIL CLASS	NCCPI
2347	McCook silt loam, rarely flooded	23.34	58.8%	1	55.7
2375	Roxbury silt loam, rarely flooded	13.14	33.1%	2	80.6
9999	Water	3.25	8.2%		N/A
		36.48	91.8%		64.7

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Field 2

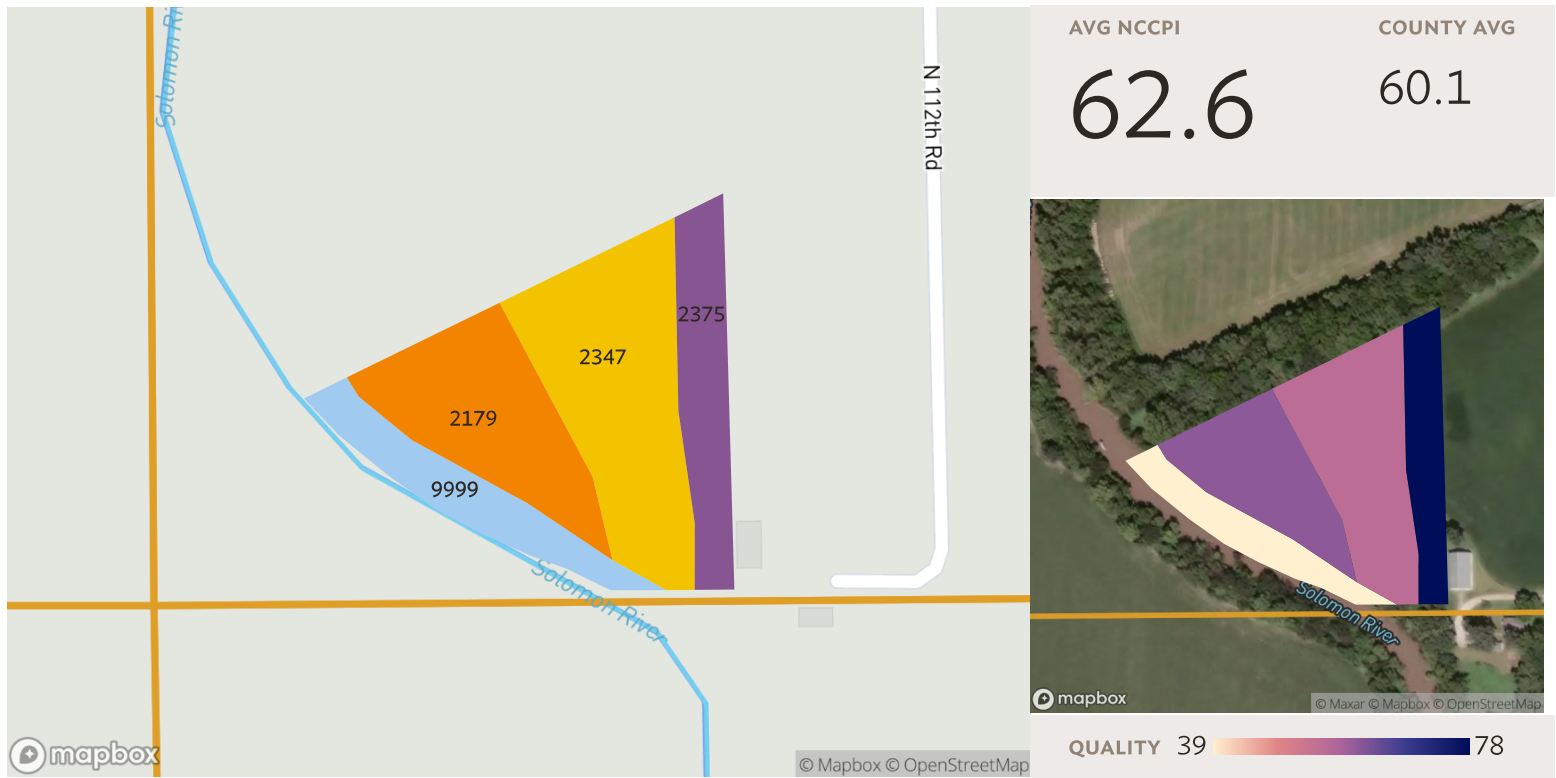
Source: NRCS Soil Survey

44 ac.

SOIL CODE	SOIL DESCRIPTION	ACRES	PERCENTAGE OF FIELD	SOIL CLASS	NCCPI
2375	Roxbury silt loam, rarely flooded	25.31	57.1%	2	80.6
2347	McCook silt loam, rarely flooded	9.38	21.2%	1	55.7
2179	McCook soils, occasionally flooded	5.87	13.3%	2	61.1
9999	Water	3.70	8.4%		N/A
3553	Hobbs silt loam, frequently flooded	0.04	0.1%	5	56.2
		40.60	91.6%		72.0

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Field 3

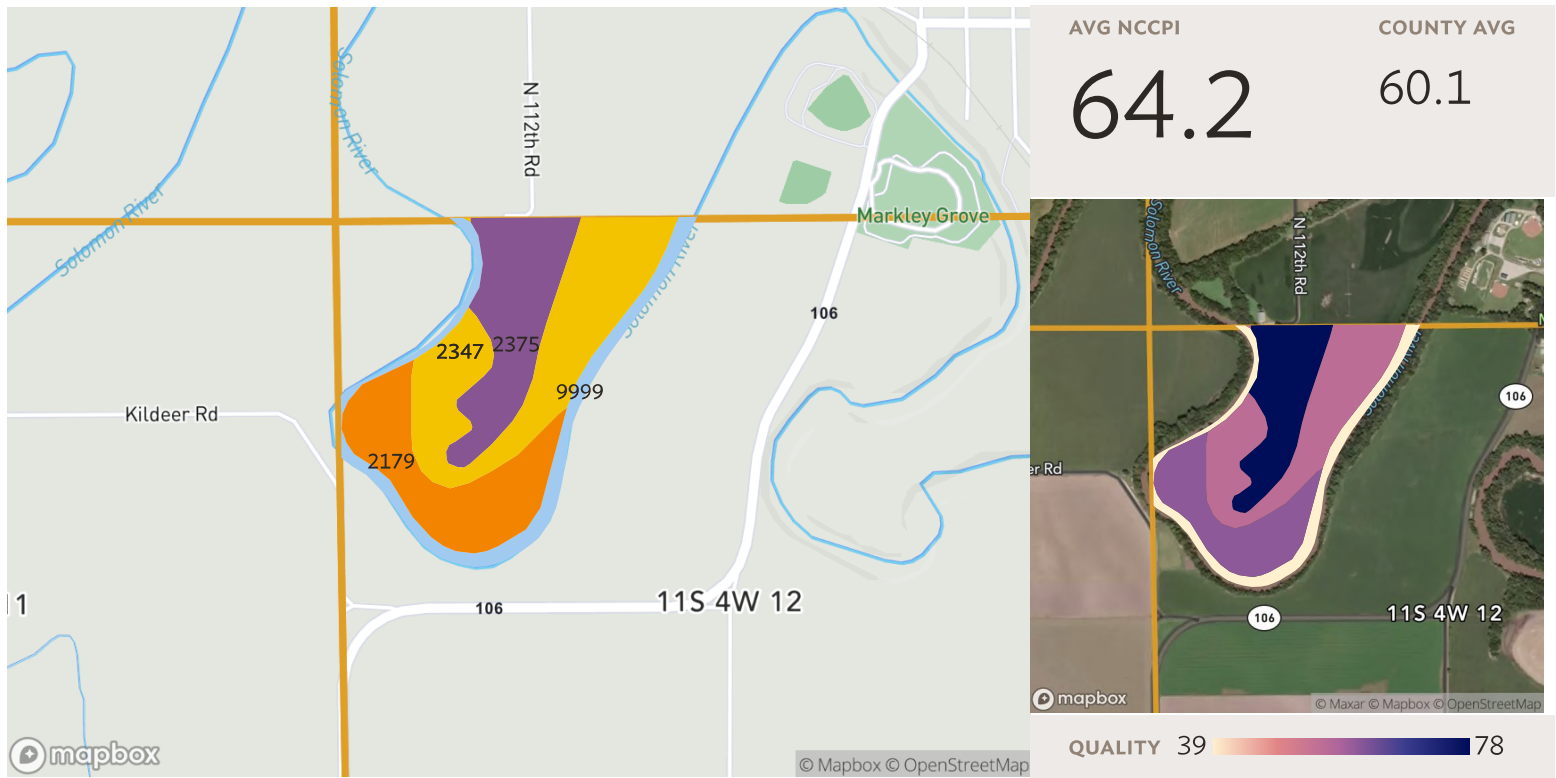
Source: NRCS Soil Survey

7 ac.

SOIL CODE	SOIL DESCRIPTION	ACRES	PERCENTAGE OF FIELD	SOIL CLASS	NCCPI
2347	McCook silt loam, rarely flooded	2.67	39.5%	1	55.7
2179	McCook soils, occasionally flooded	1.87	27.6%	2	61.1
2375	Roxbury silt loam, rarely flooded	1.20	17.7%	2	80.6
9999	Water	1.03	15.3%		N/A
		5.74	84.7%		62.6

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Field 4

Source: NRCS Soil Survey

71 ac.

SOIL CODE	SOIL DESCRIPTION	ACRES	PERCENTAGE OF FIELD	SOIL CLASS	NCCPI
2347	McCook silt loam, rarely flooded	26.68	37.4%	1	55.7
2179	McCook soils, occasionally flooded	17.64	24.7%	2	61.1
2375	Roxbury silt loam, rarely flooded	17.09	23.9%	2	80.6
9999	Water	10.04	14.0%		N/A
		61.40	86.0%		64.2

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Legend

SPECIAL FLOOD HAZARD AREAS High flood risk		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD Moderate flood risk		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Areas with Reduced Flood Risk due to Levee Zone X
		Areas with Flood Risk due to Levee Zone X
OTHER AREAS		Area of Minimal Flood Hazard Zone X
		Area of Undetermined Flood Hazard Zone D

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

*** HIGH FLOOD RISK** - areas with a 1% annual chance or greater of flooding, also referred to as base flood zones or 100-year flood zones. Classified as Special Flood Hazard Areas (SFHAs) by FEMA. **MODERATE FLOOD RISK** - areas in between the limits of the 1% annual and the 0.2% annual (or 500-year) flood zones. **MINIMAL FLOOD RISK** - areas that are above the 500-year flood zones. **UNDETERMINED FLOOD RISK** - areas where flood analysis has not been conducted.

Source: FEMA National Flood Hazard Layer

All fields

162 ac.

FLOOD ZONE	FLOOD RISK*	FLOOD ZONE SUBTYPE	ACRES	PERCENTAGE OF FIELD
 A	HIGH	N/A	162.25	100.0%
			162.25	

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Legend

SPECIAL FLOOD HAZARD AREAS High flood risk		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
OTHER AREAS OF FLOOD HAZARD Moderate flood risk		Regulatory Floodway
		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Areas with Reduced Flood Risk due to Levee Zone X
OTHER AREAS		Areas with Flood Risk due to Levee Zone X
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		Area of Undetermined Flood Hazard Zone D

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Field 1

40 ac.

Source: FEMA National Flood Hazard Layer

FLOOD ZONE	FLOOD RISK*	FLOOD ZONE SUBTYPE	ACRES	PERCENTAGE OF FIELD
 A	HIGH	N/A	39.73	100.0%
			39.73	

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Legend

SPECIAL FLOOD HAZARD AREAS High flood risk		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD Moderate flood risk		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Areas with Reduced Flood Risk due to Levee Zone X
		Areas with Flood Risk due to Levee Zone X
OTHER AREAS		Area of Minimal Flood Hazard Zone X
		Area of Undetermined Flood Hazard Zone D

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Field 2

44 ac.

Source: FEMA National Flood Hazard Layer

FLOOD ZONE	FLOOD RISK*	FLOOD ZONE SUBTYPE	ACRES	PERCENTAGE OF FIELD
 A	HIGH	N/A	44.30	100.0%
			44.30	

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Legend

SPECIAL FLOOD HAZARD AREAS High flood risk		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD Moderate flood risk		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Areas with Reduced Flood Risk due to Levee Zone X
		Areas with Flood Risk due to Levee Zone X
OTHER AREAS		Area of Minimal Flood Hazard Zone X
		Area of Undetermined Flood Hazard Zone D

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

*** HIGH FLOOD RISK** - areas with a 1% annual chance or greater of flooding, also referred to as base flood zones or 100-year flood zones. Classified as Special Flood Hazard Areas (SFHAs) by FEMA. **MODERATE FLOOD RISK** - areas in between the limits of the 1% annual and the 0.2% annual (or 500-year) flood zones. **MINIMAL FLOOD RISK** - areas that are above the 500-year flood zones. **UNDETERMINED FLOOD RISK** - areas where flood analysis has not been conducted.

Field 3

7 ac.

Source: FEMA National Flood Hazard Layer

FLOOD ZONE	FLOOD RISK*	FLOOD ZONE SUBTYPE	ACRES	PERCENTAGE OF FIELD
 A	HIGH	N/A	6.78	100.0%
			6.78	

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Legend

- SPECIAL FLOOD HAZARD AREAS

High flood risk

Without Base Flood Elevation (BFE)
Zone A, V, A99

With BFE or Depth Zone AE, AO, AH, VE, AR

Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD

Moderate flood risk

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X

Future Conditions 1% Annual Chance Flood Hazard Zone X

Areas with Reduced Flood Risk due to Levee Zone X

Areas with Flood Risk due to Levee Zone X
- OTHER AREAS

Area of Minimal Flood Hazard Zone X

Area of Undetermined Flood Hazard Zone D

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

*** HIGH FLOOD RISK** - areas with a 1% annual chance or greater of flooding, also referred to as base flood zones or 100-year flood zones. Classified as Special Flood Hazard Areas (SFHAs) by FEMA. **MODERATE FLOOD RISK** - areas in between the limits of the 1% annual and the 0.2% annual (or 500-year) flood zones. **MINIMAL FLOOD RISK** - areas that are above the 500-year flood zones. **UNDETERMINED FLOOD RISK** - areas where flood analysis has not been conducted.

Source: FEMA National Flood Hazard Layer

Field 4

71 ac.

FLOOD ZONE	FLOOD RISK*	FLOOD ZONE SUBTYPE	ACRES	PERCENTAGE OF FIELD
A	HIGH	N/A	71.44	100.0%
			71.44	

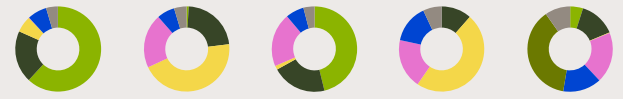
4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



All fields

162 ac.



	2021	2020	2019	2018	2017
 Soybeans	62.1%	0.7%	46.3%	–	4.8%
 Forest	19.7%	22.5%	20.8%	11.5%	13.8%
 Corn	6.2%	44.7%	1.5%	48.0%	0.2%
 Alfalfa	0.1%	20.6%	20.3%	18.8%	19.2%
 Water	7.4%	6.6%	6.9%	14.6%	14.5%
 Double Crop	–	–	–	–	37.8%
 Other	4.5%	4.8%	4.3%	7.0%	9.7%



Field 1

40 ac.



	2021	2020	2019	2018	2017
 Soybeans	77.6%	1.1%	76.4%	–	6.6%
 Corn	3.2%	71.2%	3.7%	78.0%	0.6%
 Forest	18.0%	26.5%	18.1%	13.0%	17.1%
 Double Crop	–	–	–	–	63.4%
 Winter Wheat	–	–	–	2.8%	10.3%
 Other	1.2%	1.2%	1.8%	6.1%	2.1%

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Field 2

44 ac.



2021



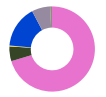
2020



2019



2018



2017

Alfalfa	0.5%	72.1%	74.2%	69.0%	70.4%
Soybeans	52.3%	0.2%	–	–	–
Forest	12.7%	11.8%	13.1%	4.6%	5.6%
Corn	19.4%	0.3%	–	1.4%	0.3%
Water	7.8%	3.8%	7.4%	16.0%	16.0%
Non-Cropland	2.3%	8.1%	3.5%	8.1%	6.9%
Other	5.0%	3.8%	1.8%	0.9%	0.8%



Field 3

7 ac.



2021



2020



2019



2018



2017

Forest	33.8%	38.1%	49.5%	33.3%	36.7%
Grass/Pasture	23.0%	13.3%	19.7%	23.1%	19.8%
Water	15.9%	12.9%	11.5%	22.8%	22.8%
Soybeans	21.4%	–	18.1%	–	1.1%
Corn	–	27.0%	–	18.1%	–
Developed	1.2%	5.4%	0.2%	–	–
Double Crop	–	–	–	–	17.1%
Other	4.7%	3.3%	1.1%	2.8%	2.6%

4 fields, 162 acres in Ottawa County, KS

TOWNSHIP/SECTION 11S 4W – 1, 12



Field 4

71 ac.



2021 2020 2019 2018 2017

 Soybeans	63.3%	0.9%	60.9%	–	7.2%
 Forest	23.7%	25.4%	24.3%	12.8%	15.0%
 Corn	0.3%	59.2%	1.2%	63.1%	–
 Water	10.2%	11.4%	9.9%	20.6%	20.3%
 Double Crop	–	–	–	–	48.9%
 Winter Wheat	–	–	–	–	5.2%
 Other	2.4%	3.0%	3.6%	3.5%	3.5%

Source: NASS Cropland Data Layer