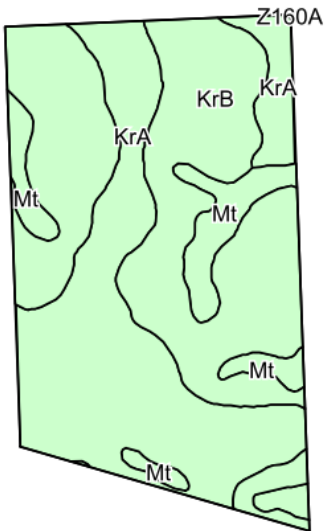
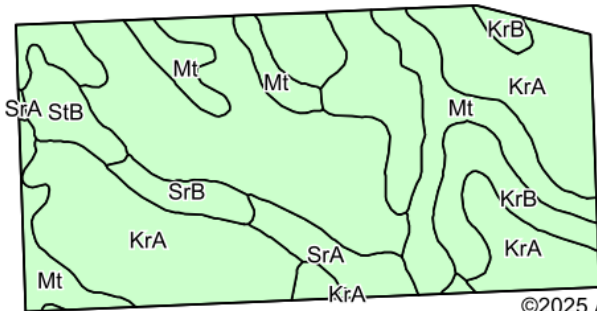


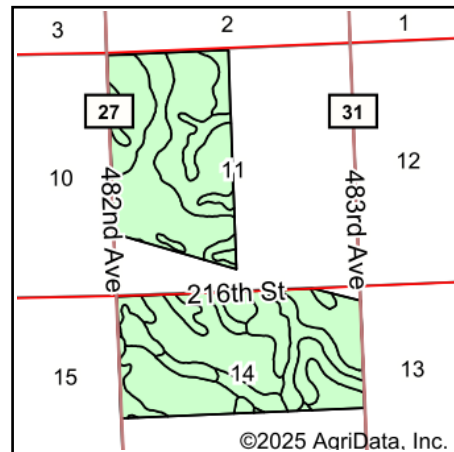
# Soils Map



## TRACT 1



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State: **South Dakota**

County: **Brookings**

Location: **11-109N-48W**

Township: **Parnell**

Acres: **577.7**

Date: **3/12/2025**

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Maps Provided By:



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Soils data provided by USDA and NRCS.

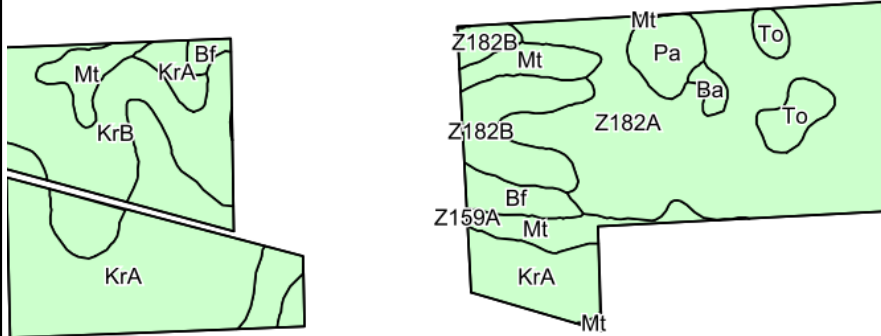
Area Symbol: SD011, Soil Area Version: 32

Code	Soil Description	Acres	Percent of field	Non-Irr Class	Productivity Index	*n NCCPI Overall
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	286.75	49.7%	Is	93	71
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	170.03	29.4%	Ile	87	70
Mt	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	88.22	15.3%	IIs	79	57
SrA	Strayhoss loam, 0 to 2 percent slopes	13.34	2.3%	IIs	77	61
StB	Strayhoss-Maddock complex, 2 to 6 percent slopes	11.00	1.9%	Ile	60	54
SrB	Strayhoss loam, 2 to 6 percent slopes	8.36	1.4%	Ile	67	59
<b>Weighted Average</b>				<b>1.50</b>	<b>87.7</b>	<b>*n 67.8</b>

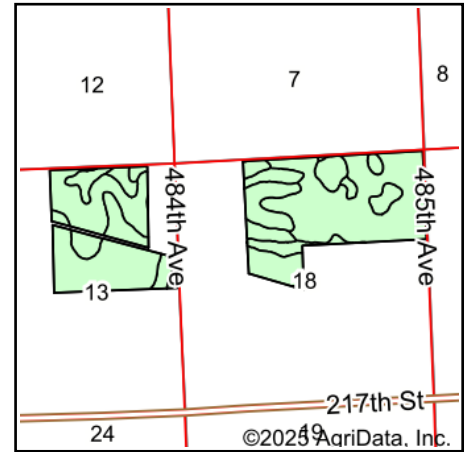
\*n: The aggregation method is "Weighted Average using all components"

# Soils Map

## Tract 2



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State: **South Dakota**  
 County: **Brookings**  
 Location: **18-109N-47W**  
 Township: **Elkton**  
 Acres: **311.64**  
 Date: **3/12/2025**

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Maps Provided By:

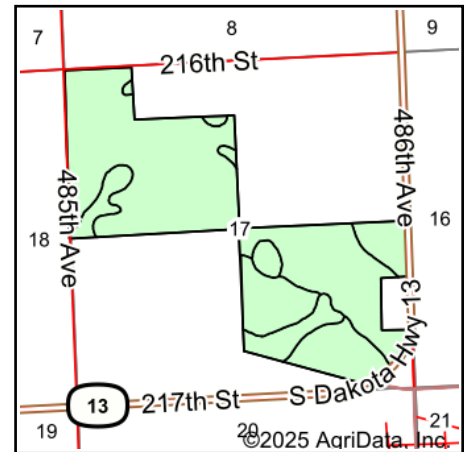
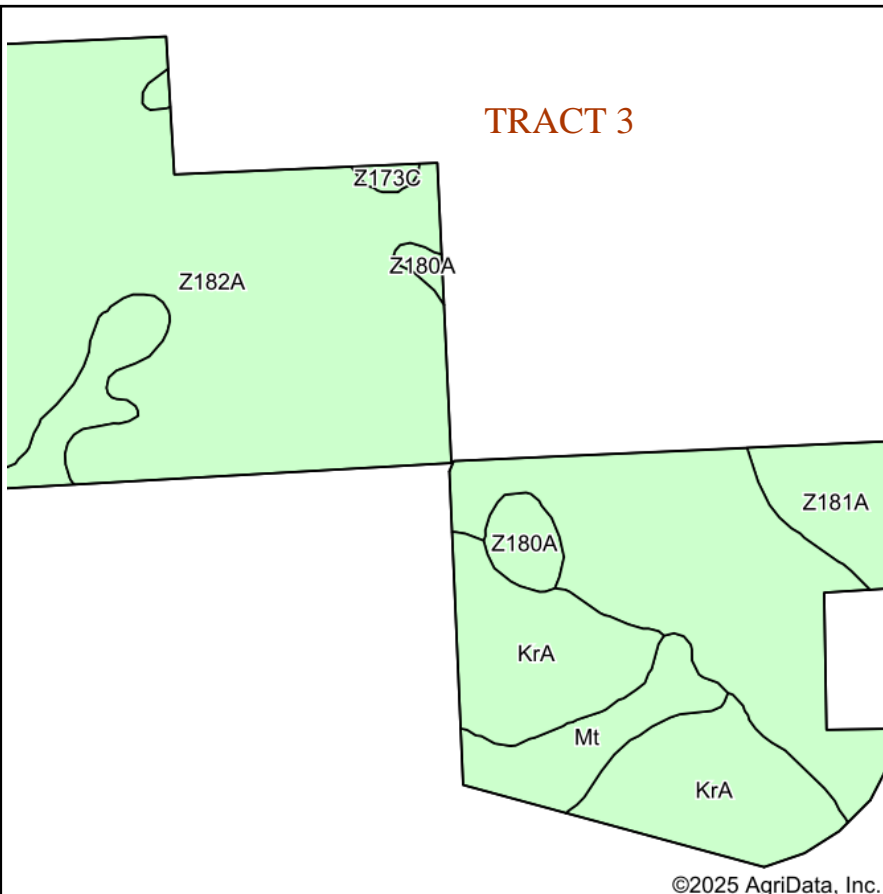


Soils data provided by USDA and NRCS.

Area Symbol: SD011, Soil Area Version: 32						
Code	Soil Description	Acres	Percent of field	Non-Irr Class	Productivity Index	*n NCCPI Overall
Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	103.57	33.2%	Ils	66	60
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	84.26	27.0%	Is	93	71
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	52.31	16.8%	Ile	87	70
Mt	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	22.95	7.4%	Ils	79	57
Z182B	Estelline silt loam, coteau, 2 to 6 percent slopes	20.39	6.5%	Ile	59	59
Bf	Brookings silty clay loam, 0 to 2 percent slopes	8.68	2.8%	Iw	96	77
Pa	Parnell silty clay loam, 0 to 1 percent slopes	8.66	2.8%	Vw	32	13
To	Tonka silty clay loam, 0 to 1 percent slopes	8.63	2.8%	IVw	58	29
Ba	Badger silty clay loam, 0 to 1 percent slopes	2.19	0.7%	Ilw	80	45
<b>Weighted Average</b>				<b>1.84</b>	<b>77.1</b>	<b>*n 62.6</b>

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

# Soils Map



State: **South Dakota**  
 County: **Brookings**  
 Location: **17-109N-47W**  
 Township: **Elkton**  
 Acres: **254.66**  
 Date: **3/12/2025**

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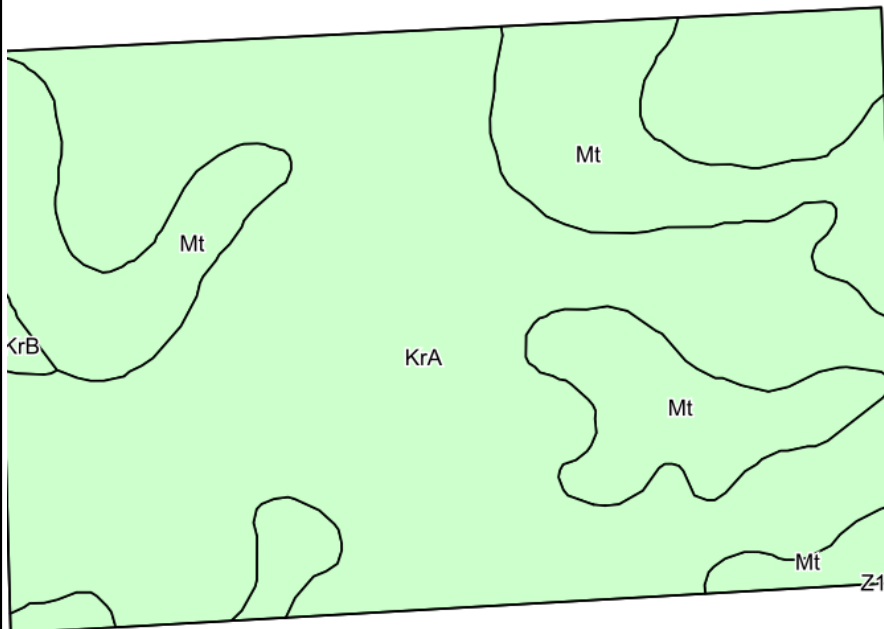
Area Symbol: SD011, Soil Area Version: 32

Code	Soil Description	Acres	Percent of field	Non-Irr Class	Productivity Index	*n NCCPI Overall
Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	170.32	66.9%	IIs	66	60
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	43.01	16.9%	Is	93	71
Mt	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	21.83	8.6%	IIs	79	57
Z181A	Brandt silty clay loam, 0 to 2 percent slopes	11.79	4.6%	Is	86	71
Z180A	Goldsmith silty clay loam, coteau, 0 to 2 percent slopes	5.94	2.3%	Iw	89	66
Z173C	Renshaw-Sioux complex, coteau, 6 to 9 percent slopes	1.77	0.7%	Ve	28	36
<b>Weighted Average</b>				<b>1.78</b>	<b>72.9</b>	<b>*n 62.1</b>

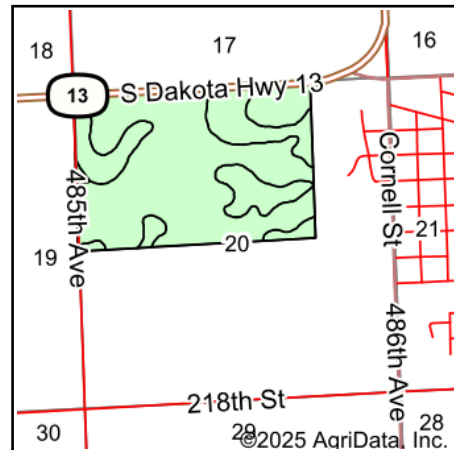
\*n: The aggregation method is "Weighted Average using all components"

# Soils Map

## TRACT 4



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State: **South Dakota**  
 County: **Brookings**  
 Location: **20-109N-47W**  
 Township: **Elkton**  
 Acres: **237**  
 Date: **3/12/2025**

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Soils data provided by USDA and NRCS.

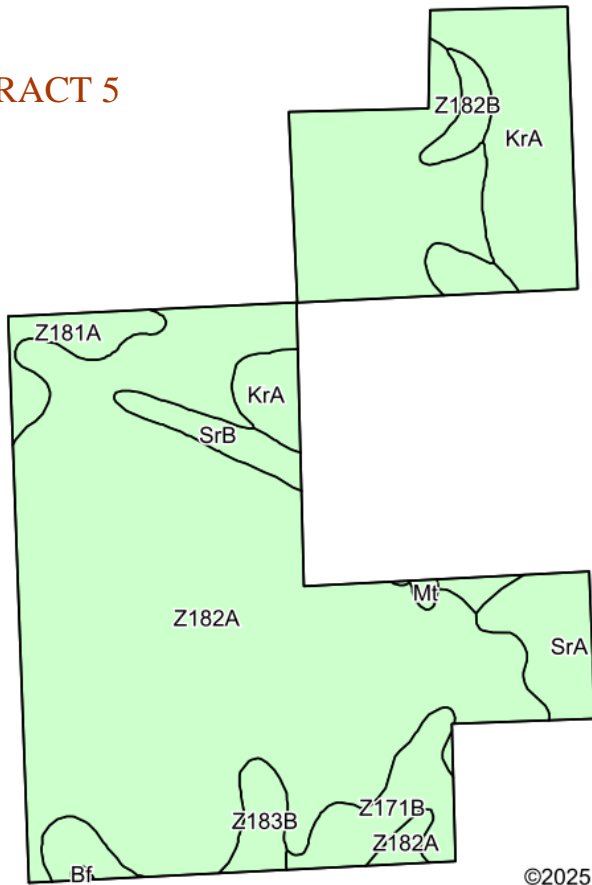
Area Symbol: SD011, Soil Area Version: 32

Code	Soil Description	Acres	Percent of field	Non-Irr Class	Productivity Index	*n NCCPI Overall
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	168.34	71.1%	Is	93	71
Mt	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	67.62	28.5%	IIs	79	57
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	1.04	0.4%	Ile	87	70
<b>Weighted Average</b>					<b>1.29</b>	<b>89</b>
						<b>*n 67</b>

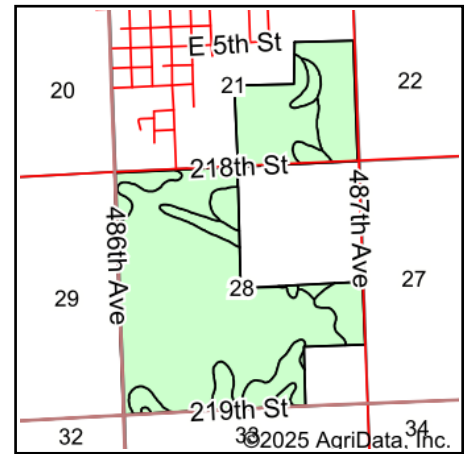
\*n: The aggregation method is "Weighted Average using all components"

# Soils Map

## TRACT 5



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State: **South Dakota**

County: **Brookings**

Location: **28-109N-47W**

Township: **Elkton**

Acres: **571.02**

Date: **3/12/2025**

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Maps Provided By:



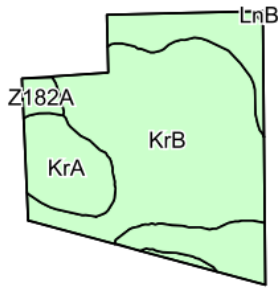
Soils data provided by USDA and NRCS.

Area Symbol: SD011, Soil Area Version: 32

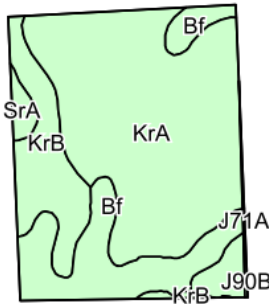
Code	Soil Description	Acres	Percent of field	Non-Irr Class	Productivity Index	*n NCCPI Overall
Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	403.02	70.5%	IIs	66	60
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	64.82	11.4%	Is	93	71
SrA	Strayhoss loam, 0 to 2 percent slopes	28.60	5.0%	IIs	77	61
Z171B	Renshaw-Fordville loams, coteau, 2 to 6 percent slopes	23.09	4.0%	IVs	43	44
Z183B	Estelline-Sioux complex, coteau, 2 to 6 percent slopes	17.21	3.0%	IIIe	45	44
Z181A	Brandt silty clay loam, 0 to 2 percent slopes	14.14	2.5%	Is	86	71
SrB	Strayhoss loam, 2 to 6 percent slopes	11.14	2.0%	Ile	67	59
Z182B	Estelline silt loam, coteau, 2 to 6 percent slopes	7.26	1.3%	Ile	59	59
Mt	Mckranz-Badger silty clay loams, 0 to 2 percent slopes	1.26	0.2%	IIs	79	57
Bf	Brookings silty clay loam, 0 to 2 percent slopes	0.48	0.1%	Iw	96	77
<b>Weighted Average</b>				<b>1.97</b>	<b>68.5</b>	<b>*n 60.4</b>

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

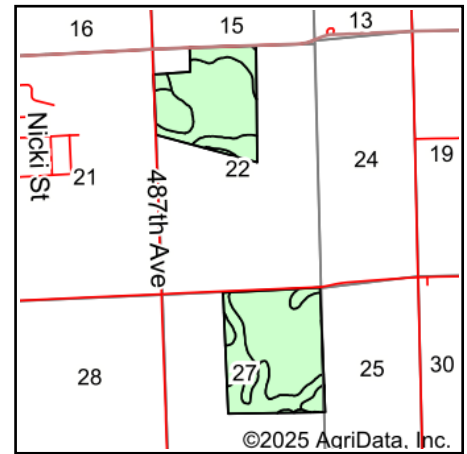
# Soils Map



## TRACT 6



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State: **South Dakota**  
 County: **Brookings**  
 Location: **22-109N-47W**  
 Township: **Elkton**  
 Acres: **227.58**  
 Date: **3/12/2025**

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Maps Provided By:



Soils data provided by USDA and NRCS.

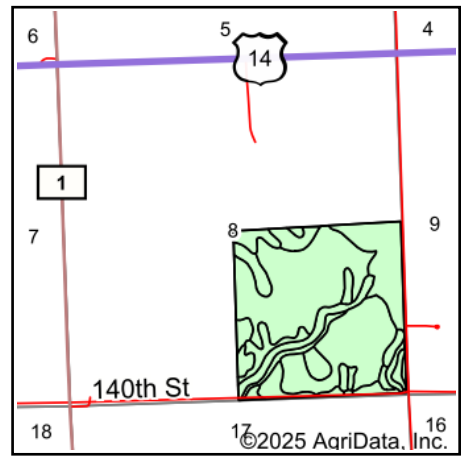
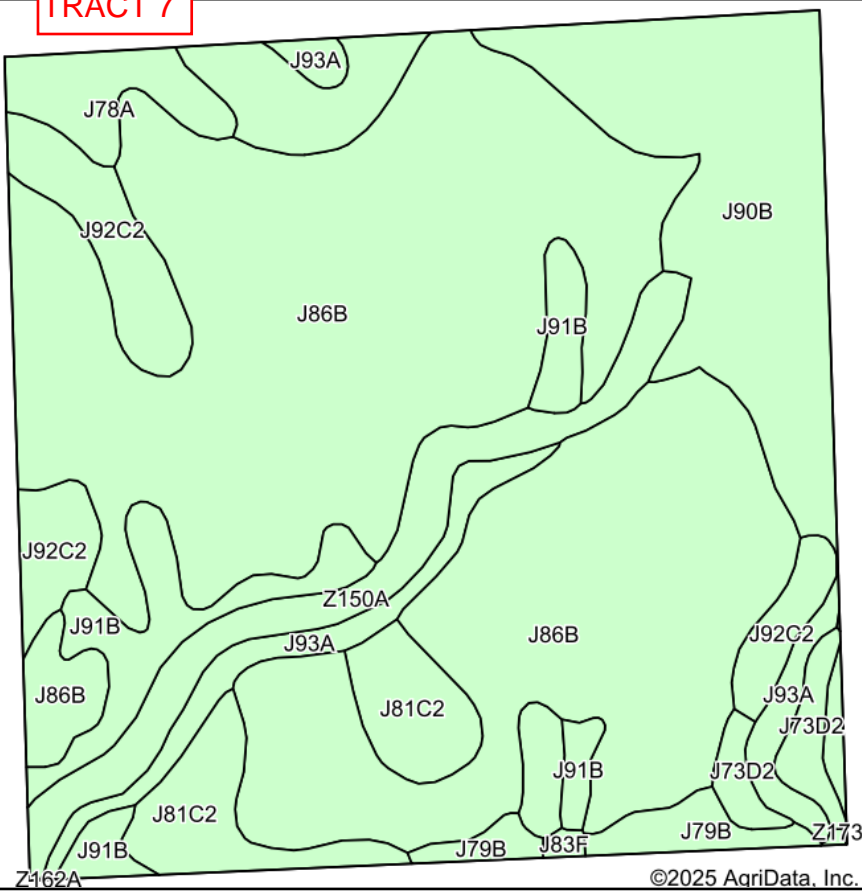
Area Symbol: MN081, Soil Area Version: 23  
 Area Symbol: SD011, Soil Area Version: 32

Code	Soil Description	Acres	Percent of field	Non-Irr Class	Productivity Index	*n NCCPI Overall
KrA	Kranzburg-Brookings silty clay loams, 0 to 2 percent slopes	115.25	50.8%	Is	93	71
KrB	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	80.91	35.6%	Ile	87	70
Bf	Brookings silty clay loam, 0 to 2 percent slopes	25.83	11.3%	Iw	96	77
Z182A	Estelline silt loam, coteau, 0 to 2 percent slopes	2.61	1.1%	IIs	66	60
SrA	Strayhoss loam, 0 to 2 percent slopes	2.30	1.0%	IIs	77	61
J90B	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	0.49	0.2%	Ile		70
LnB	Lanona-Swenoda sandy loams, 2 to 6 percent slopes	0.11	0.0%	IIIle	63	54
J71A	Brookings silty clay loam, 0 to 2 percent slopes	0.08	0.0%	Iw		77
<b>Weighted Average</b>				<b>1.38</b>	<b>90.5</b>	<b>*n 71.1</b>

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

# Soils Map

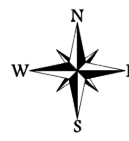
**TRACT 7**



State: **Minnesota**  
 County: **Lincoln**  
 Location: **8-109N-46W**  
 Township: **Verdi**  
 Acres: **158.73**  
 Date: **3/12/2025**

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Soils data provided by USDA and NRCS.

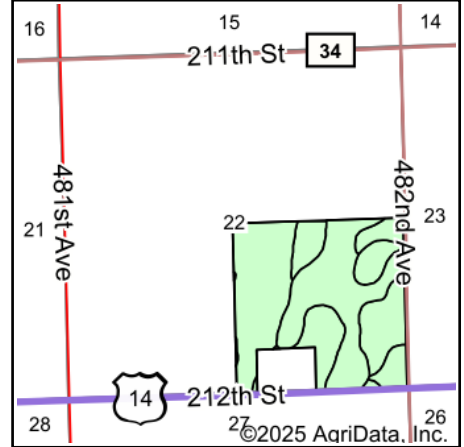
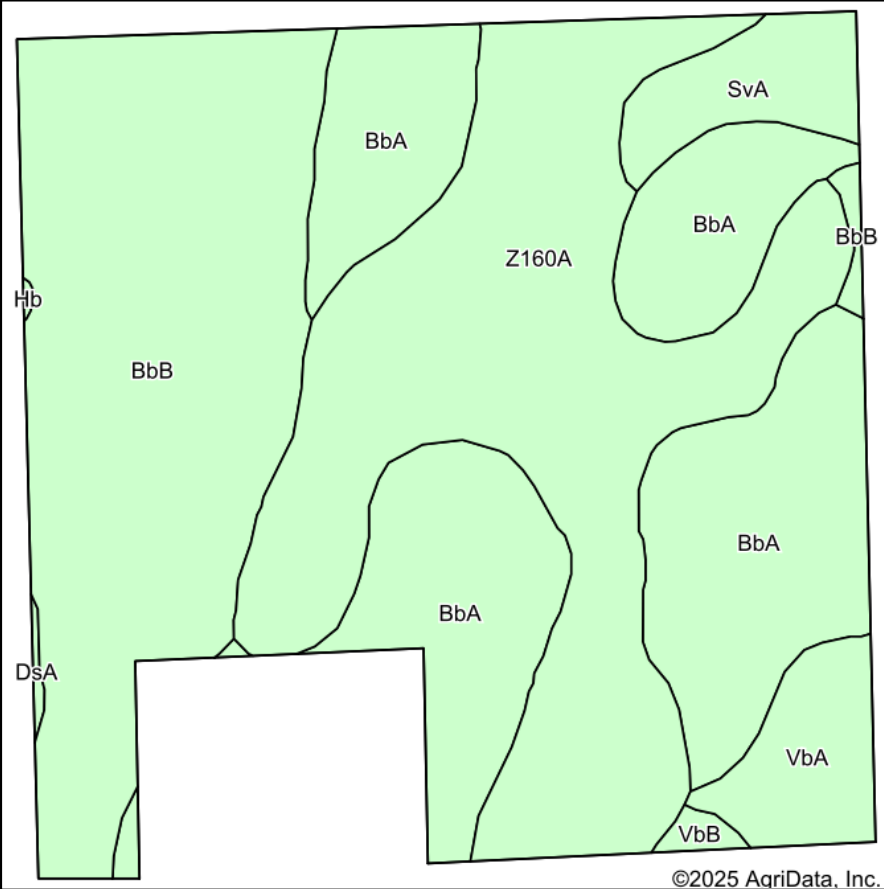
Area Symbol: MN081, Soil Area Version: 23

Code	Soil Description	Acres	Percent of field	Non-Irr Class	Productivity Index	*n NCCPI Overall
J86B	Vienna silty clay loam, 3 to 6 percent slopes	86.70	54.6%	Ile	90	63
J90B	Kranzburg-Brookings silty clay loams, 1 to 6 percent slopes	23.17	14.6%	Ile	93	70
J81C2	Renshaw-Barnes complex, 6 to 12 percent slopes, moderately eroded	8.68	5.5%	IVe	54	41
J92C2	Buse-Vienna complex, 6 to 12 percent slopes, moderately eroded	8.28	5.2%	IIIe	76	54
Z150A	Rauville silty clay loam, coteau, 0 to 1 percent slopes, frequently flooded	8.21	5.2%	Vw	20	46
J91B	Darnen loam, stratified substratum, 2 to 6 percent slopes	8.14	5.1%	Ile	97	70
J93A	Hidewood-Badger complex, 0 to 2 percent slopes	5.98	3.8%	IIw	92	70
J78A	Lismore silty clay loam, 1 to 3 percent slopes	3.61	2.3%	Ie	98	71
J79B	Vienna-Brookings complex, 1 to 6 percent slopes	3.23	2.0%	Ile	94	68
J73D2	Buse clay loam, 12 to 18 percent slopes, moderately eroded	2.42	1.5%	IVe	63	48
J83F	Sandberg-Buse-Everts complex, 12 to 40 percent slopes	0.31	0.2%	VIIe	23	25
<b>Weighted Average</b>				<b>2.33</b>	<b>84.3</b>	<b>*n 62.1</b>

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

# Soils Map

## TRACT 8



State: **South Dakota**  
 County: **Brookings**  
 Location: **22-110N-48W**  
 Township: **Alton**  
 Acres: **146.87**  
 Date: **3/12/2025**

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Soils data provided by USDA and NRCS.

Area Symbol: SD011, Soil Area Version: 32						
Code	Soil Description	Acres	Percent of field	Non-Irr Class	Productivity Index	*n NCCPI Overall
Z160A	Moritz, occasionally flooded-Lamoure, frequently flooded, complex, 0 to 2 percent slopes	47.21	32.1%	IIIs	65	55
BbA	Barnes clay loam, 0 to 2 percent slopes	44.29	30.2%	Iw	86	64
BbB	Barnes clay loam, 2 to 6 percent slopes	43.18	29.4%	Ile	80	63
VbA	Vienna-Brookings complex, 0 to 2 percent slopes	5.77	3.9%	Is	90	69
SvA	Svea loam, 0 to 2 percent slopes	5.51	3.8%	Is	94	60
VbB	Vienna-Brookings complex, 1 to 6 percent slopes	0.61	0.4%	Ile	86	68
DsA	Doland-Svea loams, 0 to 2 percent slopes	0.23	0.2%	Is	88	61
Hb	Hamerly-Badger complex, 0 to 2 percent slopes	0.07	0.0%	IIs	78	57
<b>Weighted Average</b>				<b>1.94</b>	<b>77.9</b>	<b>*n 60.9</b>

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