

Piestra 6 year yield history

YEAR	CORN	SOYBEANS		
2015	165.7	none		
2016	none	60.4		
2017	203.7	none		
2018	none	64.7		
2019	188.7	none		
2020	none	58.8		
Average	196.2	61.3		
Record yields	203.7	2017	65.2	2010

1b/A

# BROOKSIDE LABORATORIES, INC. 76366-15

## SOIL AUDIT AND INVENTORY REPORT

Name \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Independent Consultant BCS, LLC Date 07/09/2020

Sample Location		F31	F31	F31	F31	F31
PIESTRA						
Sample Identification		A	B	C	D	E
Lab Number		2091-1	2092-1	2093-1	2094-1	2095-1
Total Exchange Capacity (ME/100 g)		13.17	13.08	13.27	13.82	13.72
pH	Buffer (SMP/Sikora)	7.3	7.2	7.3	7.3	7.4
	H <sub>2</sub> O (1:1)	6.2	6.3	6.1	6.9	6.8
Organic Matter (360°C LOI) %		3.31	3.01	3.66	2.81	2.84
Estimated Nitrogen Release lb/A		83	80	87	76	77
ANIONS	SOLUBLE SULFUR* ppm	10	9	8	6	6
	MEHLICH III lb/A P as P <sub>2</sub> O <sub>5</sub>	252	115	188	82	60
		ppm of P	55	25	41	18
	BRAY II lb/A P as P <sub>2</sub> O <sub>5</sub>	261	110	169	110	73
		ppm of P	57	24	37	24
OLSEN lb/A P as P <sub>2</sub> O <sub>5</sub>						
	ppm of P					
EXCHANGABLE CATIONS	CALCIUM* lb/A	4430	4096	4216	3992	4088
	ppm	2215	2048	2108	1996	2044
	MAGNESIUM* lb/A	358	588	534	826	750
	ppm	179	294	267	413	375
	POTASSIUM* lb/A	418	256	342	262	244
	ppm	209	128	171	131	122
	SODIUM* lb/A	32	30	32	28	30
	ppm	16	15	16	14	15
BASE SATURATION PERCENT						
Calcium %		84.09	78.29	79.43	72.21	74.49
Magnesium %		11.33	18.73	16.77	24.90	22.78
Potassium %		4.07	2.51	3.30	2.43	2.28
Sodium %		0.53	0.50	0.52	0.44	0.48
Other Bases %		NA	NA	NA	NA	NA
Hydrogen %		0.00	0.00	0.00	0.00	0.00
EXTRACTABLE MINORS						
Boron* (ppm)		0.42	0.46	0.47	0.49	0.45
Iron* (ppm)		164	150	153	110	104
Manganese* (ppm)		91	103	76	108	92
Copper* (ppm)		1.44	1.42	1.53	1.23	1.17
Zinc* (ppm)		3.22	1.96	2.35	1.24	1.10
Aluminum* (ppm)		533	547	613	552	542
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

\* Mehlich III Extractable

1b/A

# BROOKSIDE LABORATORIES, INC. 76366-15

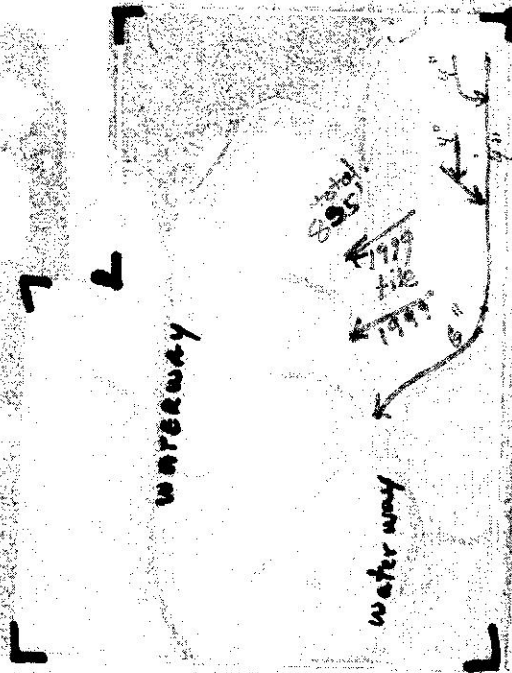
## SOIL AUDIT AND INVENTORY REPORT

Name \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Independent Consultant BCS, LLC Date 07/09/2020

Sample Location	F31	F31	F31	F31	
PIESTRA					
Sample Identification	F	G	H	J	
Lab Number	2096-1	2097-1	2098-1	2099-1	
Total Exchange Capacity (ME/100 g)	12.63	13.63	15.12	16.42	
pH	Buffer (SMP/Sikora)	7.1	7.2	7.2	7.3
	H <sub>2</sub> O (1:1)	5.9	5.9	6.5	6.3
Organic Matter (360°C LOI) %	2.90	3.25	2.79	2.78	
Estimated Nitrogen Release lb/A	78	82	76	76	
<b>ANIONS</b>	SOLUBLE SULFUR* ppm	6	6	6	5
	MEHLICH III lb/A P as P <sub>2</sub> O <sub>5</sub> ppm of P	64	69	55	50
		14	15	12	11
	BRAY II lb/A P as P <sub>2</sub> O <sub>5</sub> ppm of P	55	69	55	69
		12	15	12	15
OLSEN lb/A P as P <sub>2</sub> O <sub>5</sub> ppm of P					
<b>EXCHANGABLE CATIONS</b>	CALCIUM* lb/A	3958	4142	4722	4966
	ppm	1979	2071	2361	2483
	MAGNESIUM* lb/A	582	686	702	860
	ppm	291	343	351	430
	POTASSIUM* lb/A	194	258	250	268
	ppm	97	129	125	134
	SODIUM* lb/A	30	38	30	34
	ppm	15	19	15	17
<b>BASE SATURATION PERCENT</b>					
Calcium %	78.35	75.97	78.08	75.61	
Magnesium %	19.20	20.97	19.35	21.82	
Potassium %	1.97	2.43	2.12	2.09	
Sodium %	0.52	0.61	0.43	0.45	
Other Bases %	NA	NA	NA	NA	
Hydrogen %	0.00	0.00	0.00	0.00	
<b>EXTRACTABLE MINORS</b>					
Boron* (ppm)	0.23	0.32	0.24	0.29	
Iron* (ppm)	130	123	116	132	
Manganese* (ppm)	62	66	83	86	
Copper* (ppm)	1.10	1.23	1.21	1.44	
Zinc* (ppm)	0.89	1.15	0.96	0.78	
Aluminum* (ppm)	627	627	635	718	
<b>OTHER TESTS</b>	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				

\* Mehlich III Extractable

Piet + Straub



2011 Drains

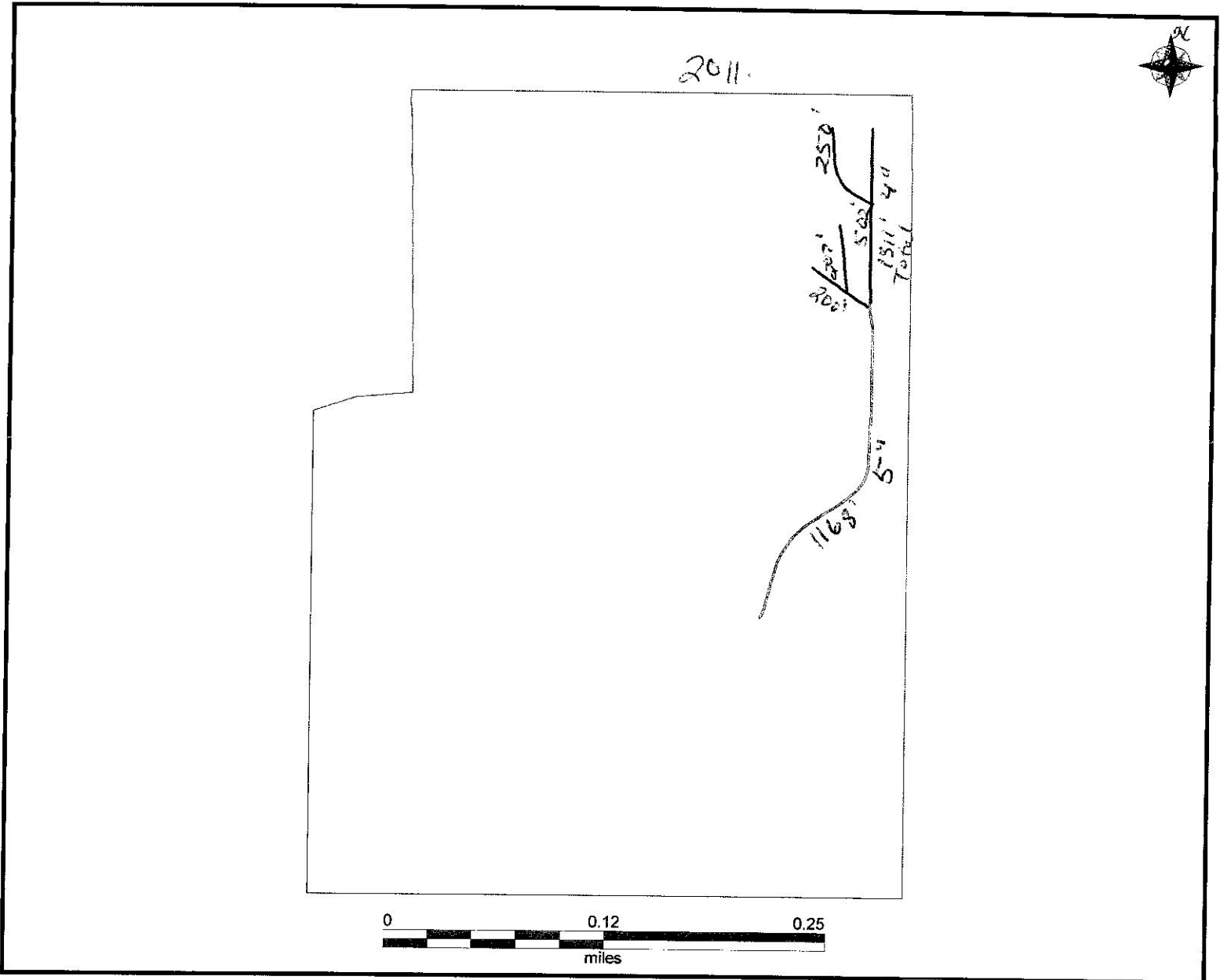
Tract 3677  
Farm 3451

0.07 0 0.07 0.14 0.21 0.28 Miles



Map Printed: May 27, 2005

# Old Town 35 - Fall 2011



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