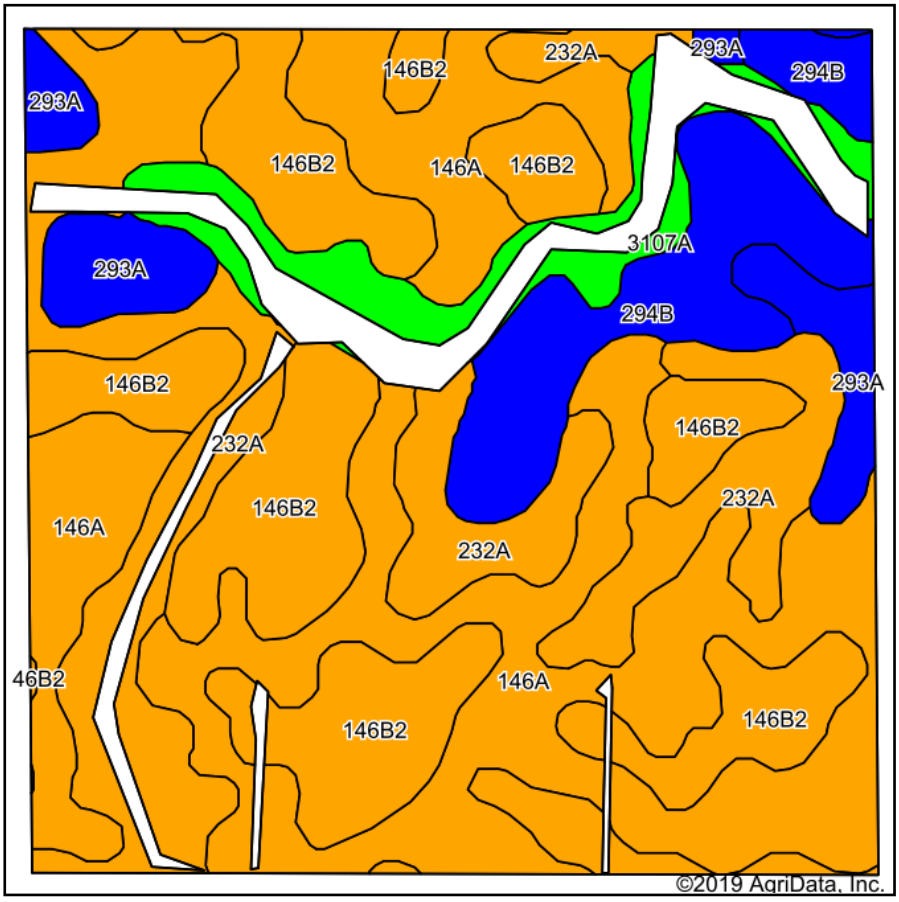
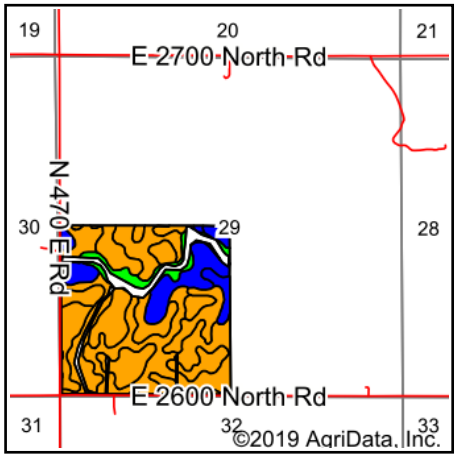
Soils Map



Soils data provided by USDA and NRCS.



State: **Illinois**
County: **Vermilion**
Location: **29-21N-13W**
Township: **Pilot**
Acres: **150.91**
Date: **3/9/2020**

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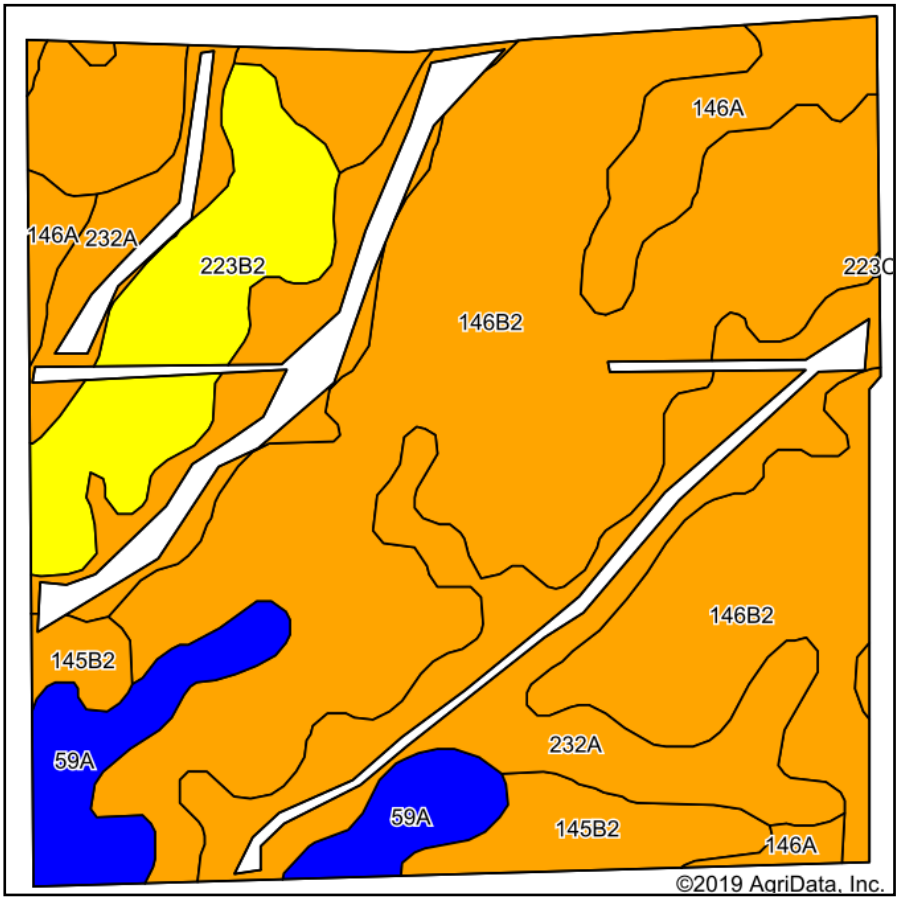
N W E S

Area Symbol: IL183, Soil Area Version: 15

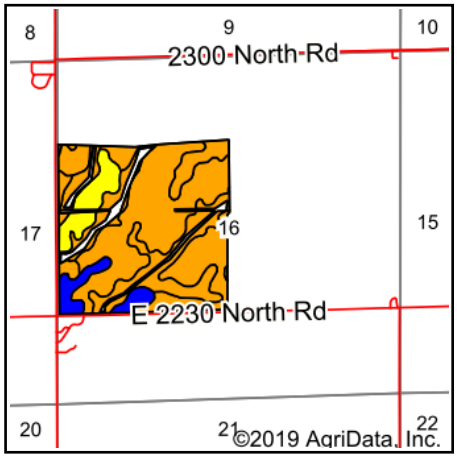
Code	Soil Description	Acres	Percent of field	Il. State Productivity Index Legend	Water Table	Subsoil rooting *a*	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Oats Bu/A *b*	Sorghum *c* Bu/A	Alfalfa *d* hay, T/A	Grass-leg ume *e* hay, T/A	Crop productivity index for optimum management
146A	Elliott silt loam, 0 to 2 percent slopes	50.54	33.5%		1.5ft.	FAV	168	55	68	87	0	0.00	5.02	125
**146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded	36.79	24.4%		1.5ft.	FAV	**160	**52	**65	**83	0	0.00	**4.77	**119
232A	Ashkum silty clay loam, 0 to 2 percent slopes	32.69	21.7%		0.5ft.	FAV	170	56	65	85	0	0.00	5.14	127
**294B	Symerton silt loam, 2 to 5 percent slopes	14.83	9.8%		2.9ft.	FAV	**177	**55	**68	**91	0	**6.21	0.00	**130
293A	Andres silt loam, 0 to 2 percent slopes	8.82	5.8%		1.6ft.	FAV	184	59	71	97	0	0.00	5.39	135
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	7.24	4.8%		0.5ft.	FAV	189	60	71	98	0	0.00	5.77	139
						Weighted Average	**169.3**	**55**	**66.9**	**87.1**	***-**	**0.61**	**4.55**	**125.7**

Table: Optimum Crop Productivity Ratings for Illinois Soil by K.R. Olson and J.M. Lang, Office of Research, ACES, University of Illinois at Champaign-Urbana. Version: 1/2/2012 Amended Table S2 B811
Crop yields and productivity indices for optimum management (B811) are maintained at the following NRES web site: http://soilproductivity.nres.illinois.edu/
** Indexes adjusted for slope and erosion according to Bulletin 811 Table S3
a UNF = unfavorable; FAV = favorable
b Soils in the southern region were not rated for oats and are shown with a zero "0".
c Soils in the northern region or in both regions were not rated for grain sorghum and are shown with a zero "0".
d Soils in the poorly drained group were not rated for alfalfa and are shown with a zero "0".
e Soils in the well drained group were not rated for grass-legume and are shown with a zero "0".
*c: Using Capabilities Class Dominant Condition Aggregation Method
Soils data provided by USDA and NRCS. Soils data provided by University of Illinois at Champaign-Urbana.

Soils Map



Soils data provided by USDA and NRCS.



State: **Illinois**
County: **Vermilion**
Location: **16-20N-13W**
Township: **Pilot**
Acres: **147.55**
Date: **3/9/2020**

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N W E S

Area Symbol: IL183, Soil Area Version: 15

Code	Soil Description	Acres	Percent of field	Il. State Productivity Index Legend	Water Table	Subsoil rooting *a*	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Oats Bu/A *b*	Sorghum *c* Bu/A	Alfalfa *d* hay, T/A	Grass-legume *e* hay, T/A	Crop productivity index for optimum management
**146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded	77.29	52.4%		1.5ft.	FAV	**160	**52	**65	**83	0	0.00	**4.77	**119
232A	Ashkum silty clay loam, 0 to 2 percent slopes	32.23	21.8%		0.5ft.	FAV	170	56	65	85	0	0.00	5.14	127
**223B2	Varna silt loam, 2 to 4 percent slopes, eroded	12.80	8.7%		2.7ft.	FAV	**150	**48	**61	**75	0	**4.65	0.00	**110
59A	Lisbon silt loam, 0 to 2 percent slopes	9.39	6.4%		1.5ft.	FAV	188	59	74	104	0	0.00	5.64	136
146A	Elliott silt loam, 0 to 2 percent slopes	9.26	6.3%		1.5ft.	FAV	168	55	68	87	0	0.00	5.02	125
**145B2	Saybrook silt loam, 2 to 5 percent slopes, eroded	6.58	4.5%		2.3ft.	FAV	**170	**54	**66	**90	0	**5.96	0.00	**125
						Weighted Average	**164**	**53.2**	**65.5**	**84.6**	***-**	**0.67**	**4.30**	**121.7**

Table: Optimum Crop Productivity Ratings for Illinois Soil by K.R. Olson and J.M. Lang, Office of Research, ACES, University of Illinois at Champaign-Urbana. Version: 1/2/2012 Amended Table S2 B811
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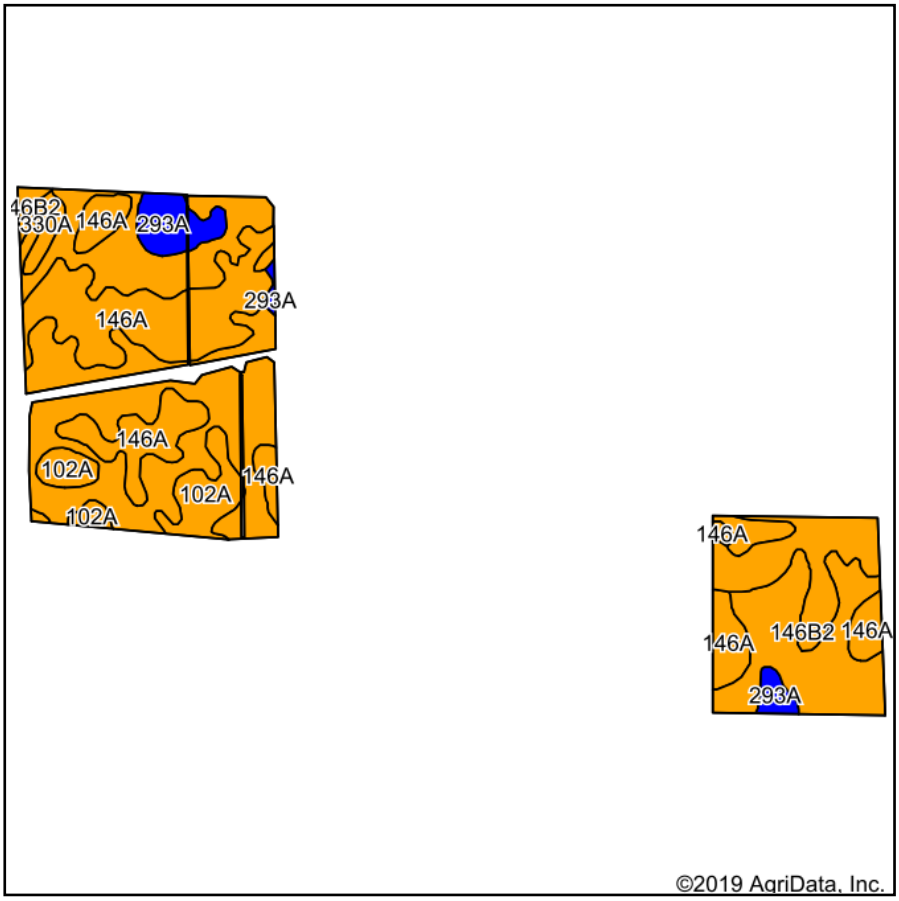
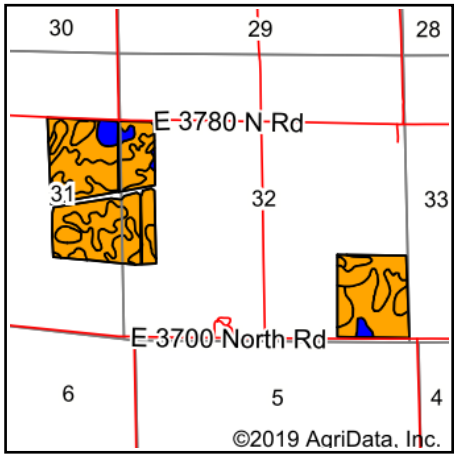
c Soils in the northern region or in both regions were not rated for grain sorghum and are shown with a zero "0".
d Soils in the poorly drained group were not rated for alfalfa and are shown with a zero "0".
e Soils in the well drained group were not rated for grass-legume and are shown with a zero "0".
*c: Using Capabilities Class Dominant Condition Aggregation Method
Soils data provided by USDA and NRCS. Soils data provided by University of Illinois at Champaign-Urbana.

Soils Map





State: **Illinois**
County: **Vermilion**
Location: **32-23N-12W**
Township: **Grant**
Acres: **155.59**
Date: **3/9/2020**

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Soils data provided by USDA and NRCS.

Area Symbol: IL183, Soil Area Version: 15

Code	Soil Description	Acres	Percent of field	Il. State Productivity Index Legend	Water Table	Subsoil rooting *a*	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Oats Bu/A *b*	Sorghum *c* Bu/A	Alfalfa *d* hay, T/A	Grass-leg ume *e* hay, T/A	Crop productivity index for optimum management
232A	Ashkum silty clay loam, 0 to 2 percent slopes	79.76	51.3%		0.5ft.	FAV	170	56	65	85	0	0.00	5.14	127
146A	Elliott silt loam, 0 to 2 percent slopes	41.61	26.7%		1.5ft.	FAV	168	55	68	87	0	0.00	5.02	125
**146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded	14.15	9.1%		1.5ft.	FAV	**160	**52	**65	**83	0	0.00	**4.77	**119
102A	La Hogue loam, 0 to 2 percent slopes	10.16	6.5%		1.5ft.	FAV	162	52	71	80	0	0.00	5.27	121
293A	Andres silt loam, 0 to 2 percent slopes	7.61	4.9%		1.6ft.	FAV	184	59	71	97	0	0.00	5.39	135
330A	Peotone silty clay loam, 0 to 2 percent slopes	2.30	1.5%		0.5ft.	FAV	164	55	61	78	0	0.00	5.02	123
						Weighted Average	**168.6**	**55.2**	**66.4**	**85.5**	***-**	**0.00**	**5.09**	**125.7**

Table: Optimum Crop Productivity Ratings for Illinois Soil by K.R. Olson and J.M. Lang, Office of Research, ACES, University of Illinois at Champaign-Urbana. Version: 1/2/2012 Amended Table S2 B811
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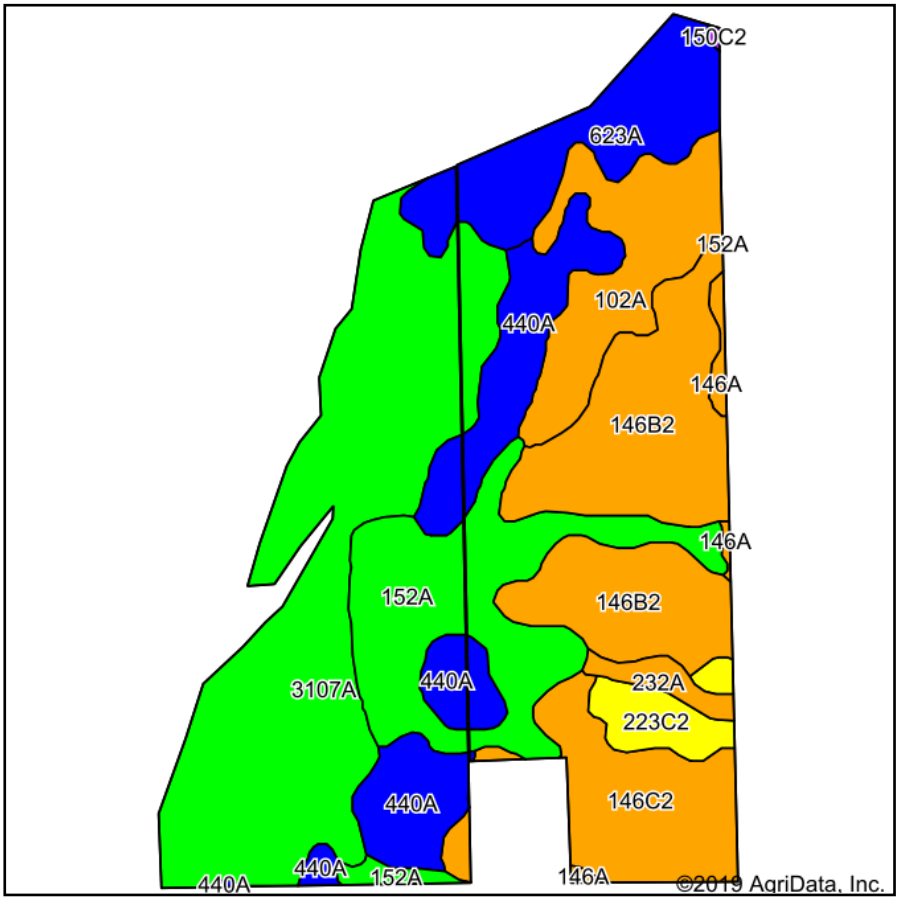
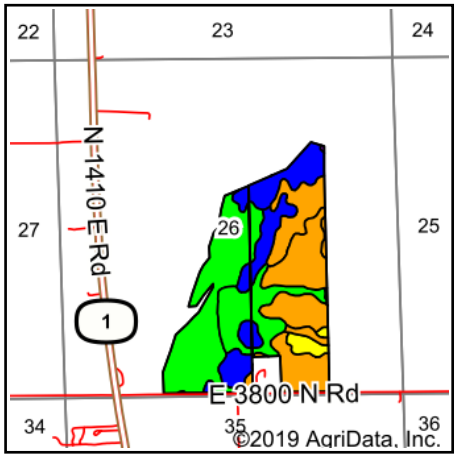
d Soils in the poorly drained group were not rated for alfalfa and are shown with a zero "0".
e Soils in the well drained group were not rated for grass-legume and are shown with a zero "0".
*c: Using Capabilities Class Dominant Condition Aggregation Method
Soils data provided by USDA and NRCS. Soils data provided by University of Illinois at Champaign-Urbana.

Soils Map



Soils data provided by USDA and NRCS.



State: **Illinois**
County: **Vermilion**
Location: **26-23N-12W**
Township: **Grant**
Acres: **156.11**
Date: **3/9/2020**

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N W E S

Area Symbol: IL183, Soil Area Version: 15

Code	Soil Description	Acres	Percent of field	Il. State Productivity Index Legend	Water Table	Subsoil rooting *a*	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Oats Bu/A *b*	Sorghum *c* Bu/A	Alfalfa *d* hay, T/A	Grass-leg ume *e* hay, T/A	Crop productivity index for optimum management
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	44.73	28.7%		0.5ft.	FAV	189	60	71	98	0	0.00	5.77	139
**146B2	Elliott silty clay loam, 2 to 4 percent slopes, eroded	26.15	16.8%		1.5ft.	FAV	**160	**52	**65	**83	0	0.00	**4.77	**119
152A	Drummer silty clay loam, 0 to 2 percent slopes	21.43	13.7%		0.5ft.	FAV	195	63	73	100	0	0.00	5.64	144
440A	Jasper loam, 0 to 2 percent slopes	17.79	11.4%		> 6.5ft.	FAV	175	57	71	94	0	5.77	0.00	130
623A	Kishwaukee silt loam, 0 to 2 percent slopes	13.06	8.4%		> 6.5ft.	FAV	182	58	71	97	0	6.65	0.00	135
102A	La Hogue loam, 0 to 2 percent slopes	12.93	8.3%		1.5ft.	FAV	162	52	71	80	0	0.00	5.27	121
**146C2	Elliott silty clay loam, 4 to 6 percent slopes, eroded	12.88	8.3%		1.5ft.	FAV	**160	**52	**65	**83	0	0.00	**4.77	**119
**223C2	Varna silt loam, 4 to 6 percent slopes, eroded	4.08	2.6%		2.7ft.	FAV	**150	**48	**61	**75	0	**4.65	0.00	**110

232A	Ashkum silty clay loam, 0 to 2 percent slopes	1.82	1.2%		0.5ft.	FAV	170	56	65	85	0	0.00	5.14	127
146A	Elliott silt loam, 0 to 2 percent slopes	1.12	0.7%		1.5ft.	FAV	168	55	68	87	0	0.00	5.02	125
**150C2	Onarga fine sandy loam, 5 to 10 percent slopes, eroded	0.12	0.1%		> 6.5ft.	FAV	**138	**45	**57	**72	0	**3.85	0.00	**102
						Weighted Average	**176.7**	**56.8**	**69.4**	**91.6**	***-**	**1.34**	**4.15**	**130.8**

Table: Optimum Crop Productivity Ratings for Illinois Soil by K.R. Olson and J.M. Lang, Office of Research, ACES, University of Illinois at Champaign-Urbana. Version: 1/2/2012 Amended Table S2 B811
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e Soils in the well drained group were not rated for grass-legume and are shown with a zero "0".
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Soils data provided by USDA and NRCS. Soils data provided by University of Illinois at Champaign-Urbana.