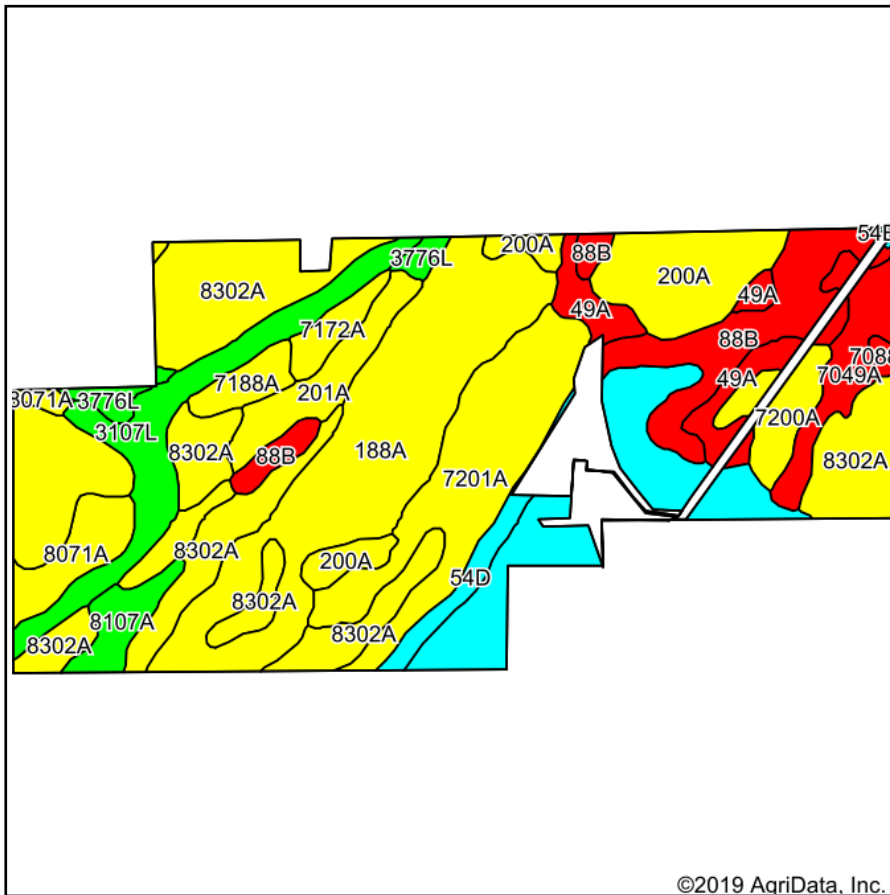
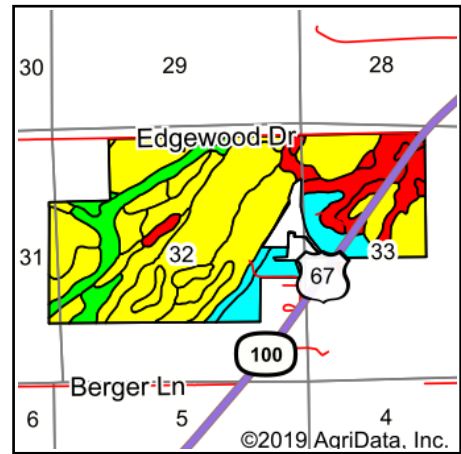


# Soils Map



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Soils data provided by USDA and NRCS.



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State: **Illinois**  
 County: **Cass**  
 Location: **32-18N-12W**  
 Township: **Beardstown**  
 Acres: **546.55**  
 Date: **10/14/2019**



Maps Provided By:



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Area Symbol: IL017, Soil Area Version: 14													
Code	Soil Description	Acres	Percent of field	Il. State Productivity Index Legend	Water Table	Restrictive Layer	Soil Drainage	Subsoil rooting a	Corn Bu/A	Soybeans Bu/A	Wheat Bu/A	Grass-legume e hay, T/A	Crop productivity index for optimum management
8302A	Ambraw clay loam, 0 to 2 percent slopes, occasionally flooded	120.03	22.0%		0.5ft.	> 6.5ft.	Poorly drained	FAV	154	50	61	5.02	114
188A	Beardstown loam, 0 to 2 percent slopes	90.95	16.6%		1.5ft.	> 6.5ft.	Somewhat poorly drained	FAV	152	50	63	0.00	114
7201A	Gilford fine sandy loam, 0 to 2 percent slopes, rarely flooded	54.21	9.9%		0.5ft.	> 6.5ft.	Poorly drained	FAV	148	49	59	4.52	110
**54B	Plainfield sand, 1 to 7 percent slopes	44.99	8.2%		> 6.5ft.	> 6.5ft.	Excessively drained	FAV	**98	**34	**40	**3.36	**75
**88B	Sparta loamy sand, Illinois till plain, 2 to 6 percent slopes	38.65	7.1%		> 6.5ft.	> 6.5ft.	Excessively drained	FAV	**118	**41	**50	**3.97	**91
200A	Orio loam, 0 to 2 percent slopes	35.96	6.6%		0.5ft.	> 6.5ft.	Poorly drained	FAV	147	48	59	4.64	110
3107L	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	35.01	6.4%		0.5ft.	> 6.5ft.	Poorly drained	FAV	189	60	71	5.77	139
49A	Watseka loamy fine sand, 0 to 2 percent slopes	17.81	3.3%		1.5ft.	> 6.5ft.	Somewhat poorly drained	FAV	122	41	51	4.39	93

7049A	Watseka loamy fine sand, 0 to 2 percent slopes, rarely flooded	17.65	3.2%		1.5ft.	> 6.5ft.	Somewhat poorly drained	FAV	122	41	51	4.39	93
201A	Gilford fine sandy loam, 0 to 2 percent slopes	16.73	3.1%		0.5ft.	> 6.5ft.	Poorly drained	FAV	148	49	59	4.52	110
8071A	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded	15.56	2.8%		0.5ft.	> 6.5ft.	Poorly drained	FAV	149	50	60	4.39	111
7200A	Orio loam, 0 to 2 percent slopes, rarely flooded	13.00	2.4%		0.5ft.	> 6.5ft.	Poorly drained	FAV	147	48	59	4.64	110
7172A	Hoopeston sandy loam, 0 to 2 percent slopes, rarely flooded	12.77	2.3%		1.5ft.	> 6.5ft.	Somewhat poorly drained	FAV	147	48	59	4.76	109
8107A	Sawmill silty clay loam, 0 to 2 percent slopes, occasionally flooded	9.73	1.8%		0.5ft.	> 6.5ft.	Poorly drained	FAV	189	60	71	5.77	139
**54D	Plainfield sand, 7 to 15 percent slopes	8.29	1.5%		> 6.5ft.	> 6.5ft.	Excessively drained	FAV	**92	**32	**37	**3.15	**71
7188A	Beardstown loam, 0 to 2 percent slopes, rarely flooded	7.60	1.4%		1.5ft.	> 6.5ft.	Somewhat poorly drained	FAV	152	50	63	0.00	114
3776L	Comfrey clay loam, 0 to 2 percent slopes, frequently flooded, long duration	6.23	1.1%		0.5ft.	> 6.5ft.	Poorly drained	FAV	185	61	69	5.52	138
7088B	Sparta loamy sand, 1 to 6 percent slopes, rarely flooded	1.38	0.3%		> 6.5ft.	> 6.5ft.	Excessively drained	FAV	119	41	50	4.01	92
<b>Weighted Average</b>									<b>144.9</b>	<b>47.8</b>	<b>58.2</b>	<b>3.78</b>	<b>108.3</b>

**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

**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.