CLASSIFICATION AND CORRELATION

OF

THE SOILS OF

ST. CLAIR COUNTY ILLINOIS

APRIL 1975

U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
MIDWEST TECHNICAL SERVICE CENTER
LINCOLN, NEBRASKA

Symbol		Field Name	Approved Name	Manuscript Map Symbol
922C3 V338 V338A V338B2	V338B3 V338C2 V338C3 V338C	Muren-Hurst complex, 4-7% slopes, severely eroded	Alford-Hurst silty clay loams, 4 to 7 percent slopes, severely eroded	922C3
922D3 V338D V338D2 V338D3	V338E3 V338E2 V338E	Muren-Hurst complex, 7-12% slopes, severely eroded	Alford-Hurst silty clay loams, 7 to 15 percent slopes, severely eroded	922D3
H308F H308F2 H308F3		Alford soils, 15-30% slopes, severely eroded, Karst	Alford complex, 15 to 30 percent slopes	H308F
H308C H308C2 H308C3		Alford soils, 4-7% slopes, severely eroded, Karst	Alford soils, Karst, 4 to 7 percent slopes	H308C
H308D H308D2 H308D3		Alford soils, 7-15% slopes, severely eroded, Karst	Alford soils, Karst, 7 to 15 percent slopes	H308D
999E2 999D2 999E3 V999 V999D2	V999D3 V999E V999E2 V999E3	Alford-Hickory soils, 12-18% slopes, severely eroded	Alford-Hickory complex, 12 to 18 percent slopes, severely eroded	999E3
999F2 V999F V999F2	V999F3 V999G V999G2	Alford-Hickory soils, 18-30% slopes, severely eroded	Alford-Hickory complex, 18 to 30 percent slopes, severely eroded	999F3
257 257A T257A 257B 257B2 257C	V257A 257+ 257C2 T257B	Clarksdale silt loam, 0-3% slopes Clarksdale silt loam, 2-4% slopes	Atterberry silt loam, 0 to 3 percent slopes	61A
70 W70 C70	248 V4248	Beaucoup silty clay loam, 0-2% slopes	Beaucoup silty clay loam	70
108 109 V109 406	407 334 C334	Bonnie silt loam, 0-2% slopes	Bonnie silt loam	108

UNITED STATES DEPARTMENT OF AGRICULTURE
Soil Conservation Service
Midwest Technical Service Center
Lincoln, Nebraska 68508

Classification and Correlation of the Soils of St. Clair County, Illinois

The field correlation was reviewed by William E. McKinzie with Kenneth C. Hinkley and Don L. Wallace of the Soil Conservation Service and John D. Alexander, University of Illinois on November 18-22, 1974. The soil handbook, laboratory data, correlation samples, revised series descriptions and SCS-Soils-5 forms were available. Mr. McKinzie also participated in the progress field review in October 1971.

Symbol	Field Name	Approved Name	Manuscript* Map Symbol
453B T453B V453 453 453A T453A V453A	Muren silt loam, 2-4% slopes Muren silt loam, 0-2% slopes	Alford silt loam, 1 to 4 percent slopes	308B
453B2 T453B2 V453B2 453B3	Muren silt loam, 2-4% slopes, eroded	Alford silt loam, 1 to 4 percent slopes, eroded	308B2
453C S453C2 453C2 T308D T453C T308D2 T453C2 S308D2 V453C S308D V453C2 T453D2	Muren silt loam, 4-7% slopes, eroded	Alford silt loam, 4 to 10 percent slopes, eroded	308C2
T308E T308E3 T308E2 S308E3 S308E2 T308F2	Unnamed	Alford silt loam, 10 to 18 percent slopes, eroded	308D2
453C3 S453C3 V453C3 S308D3 T453C3 T308D3	Muren soils, 4-7% slopes, severely eroded	Alford silty clay loam, 4 to 10 percent slopes, severely eroded	308C3
308F3	Alford silty clay loam, 18-40% slopes, severely eroded	Alford silty clay loam, 18 to 40 percent slopes, severely eroded	308F3

*See Page 9 for footnote.

Symbol		Field Name	Approved Name	Manuscript Map Symbol
922C3 V338 V338A V338B2	V338B3 V338C2 V338C3 V338C	Muren-Hurst complex, 4-7% slopes, severely eroded	Alford-Hurst silty clay loams, 4 to 7 percent slopes, severely eroded	922C3
922D3 V338D V338D2 V338D3	V338E3 V338E2 V338E	Muren-Hurst complex, 7-12% slopes, severely eroded	Alford-Hurst silty clay loams, 7 to 15 percent slopes, severely eroded	922D3
H308F H308F2 H308F3		Alford soils, 15-30% slopes, severely eroded, Karst	Alford complex, 15 to 30 percent slopes	H308F
H308C H308C2 H308C3		Alford soils, 4-7% slopes, severely eroded, Karst	Alford soils, Karst, 4 to 7 percent slopes	H308C
H308D H308D2 H308D3		Alford soils, 7-15% slopes, severely eroded, Karst	Alford soils, Karst, 7 to 15 percent slopes	H308D
999E2 999D2 999E3 V999 V999D2	V999D3 V999E V999E2 V999E3	Alford-Hickory soils, 12-18% slopes, severely eroded	Alford-Hickory complex, 12 to 18 percent slopes, severely eroded	999E3
999F2 V999F V999F2	V999F3 V999G V999G2	Alford-Hickory soils, 18-30% slopes, severely eroded	Alford-Hickory complex, 18 to 30 percent slopes, severely eroded	999F3
257 257A T257A 257B 257B2 257C	V257A 257+ 257C2 T257B	Clarksdale silt loam, 0-3% slopes Clarksdale silt loam, 2-4% slopes	Atterberry silt loam, 0 to 3 percent slopes	61A
70 W70 C70	248 V4248	Beaucoup silty clay loam, 0-2% slopes	Beaucoup silty clay loam	70
108 109 V109 406	407 334 C334	Bonnie silt loam, 0-2% slopes	Bonnie silt loam	108

Symbol		Field Name	Approved Name	Manuscript Map Symbol
620A 581A T581A V581A	994A T994A V994A	Darmstadt silt loam, 0-2% slopes	Darmstadt silt loam, 0 to 2 percent slopes	620A
V994B V994B2 V581B V581B2 V581B3 V581C2 994B 620B2 581B 581B2 581B3 581C2	V994B3 V994C2 994B2 994C2 T994B2 T994B3 T581B T581B2 T581B3 T581C2	Darmstadt silt loam, 2-4% slopes, eroded Darmstadt silt loam, 2-4% slopes, eroded	Darmstadt silt loam, 2 to 4 percent slopes, eroded	620B2
620C3 581C3 T581C3 V581C3 V581D2	V581D3 994C3 T994C3 V994C3 V994D3	Darmstadt soils, 4-10% slopes, severely eroded	Darmstadt silty clay loam, 4 to 10 percent slopes, severely eroded	620C3
71 83 71+	103 638	Darwin silty clay, 0-2% slopes	Darwin silty clay	71
U71		Darwin-Urban land complex	Darwin-Urban land complex	U71
L71 590		Darwin silty clay, loamy substratum, 0-2% slopes	Darwin Variant silty clay	V71
258 258A 258B	258B2 T258B	Sicily silt loam, 2-4% slopes	Downs silt loam, 2 to 4 percent slopes	386B
258C 258C2 258D2		Sicily silt loam, 4-7% slopes, eroded	Downs silt loam, 4 to 9 percent slopes, eroded	386C2
180 C180		Dupo silt loam, 0-2% slopes	Dupo silt loam	180
48 T48	V48	Ebbert silt loam, 0-2% slopes	Ebbert silt loam	48

Symbol		Field Name	Approved Name	Manuscript Map Symbol
454 454A	T454 T454A	Iva silt loam, 0-2% slopes	Iva silt loam, 0 to 2 percent slopes	454A
454B T454B		Iva silt loam, 2-4% slopes	Iva silt loam, 2 to 4 percent slopes	454B
454B2 454B3 454C2 T454B2	T454B3 S454B2 T454C3	Iva silt loam, 2-4% slopes, eroded	Iva silt loam, 2 to 4 percent slopes, eroded	454B2
426 422		Karnak silty clay, 0-2% slopes	Karnak silty clay	426
98 98A 88	88A 88B 92	Landes fine sandy loam, 1-6% slopes	Landes fine sandy loam, 1 to 6 percent slopes	304B
304 304A 304B 304C	304D 304-92-B 304-92-C	Landes fine sandy loam, 1-6% slopes		
81 81B C81	V81 415 C415	Littleton silt loam, 0-2% slopes	Littleton silt loam, 0 to 2 percent slopes	81A
131A V131A 131B 131C2 131D2	V131B 131D3 131E2 243A	Martinsville loam, 0-2% slopes	Martinsville loam, 1 to 7 percent slopes	570B
570 243C3 134A 134D3 134B	134G 134C2 134B2 134D2 134	Martinsville loam		
132 132A 242A	242B 132B 149A	Starks silt loam, 0-2% slopes		
43 43A 43B 43+	127 127A 127A+	Muscatine silt loam, 0-2% slopes Harrison silt loam, 0-2% slopes	Muscatine silt loam, 0 to 3 percent slopes	41A
U41		Unnamed	Muscatine-Urban land complex, 1 to 4 percent slopes	U41B

Symbol		Field Name	Approved Name	Manuscript Map Symbol
620A 581A T581A V581A	994A T994A V994A	Darmstadt silt loam, 0-2% slopes	Darmstadt silt loam, 0 to 2 percent slopes	620A
V994B V994B2 V581B V581B2 V581B3 V581C2 994B 620B2 581B 581B2 581B3 581C2	V994B3 V994C2 994B2 994C2 T994B2 T994B3 T581B T581B2 T581B3 T581C2	Darmstadt silt loam, 2-4% slopes, eroded Darmstadt silt loam, 2-4% slopes, eroded	Darmstadt silt loam, 2 to 4 percent slopes, eroded	620B2
620C3 581C3 T581C3 V581C3 V581D2	V581D3 994C3 T994C3 V994C3 V994D3	Darmstadt soils, 4-10% slopes, severely eroded	Darmstadt silty clay loam, 4 to 10 percent slopes, severely eroded	620C3
71 83 71+	103 638	Darwin silty clay, 0-2% slopes	Darwin silty clay	71
U71		Darwin-Urban land complex	Darwin-Urban land complex	U71
L71 590		Darwin silty clay, loamy substratum, 0-2% slopes	Darwin Variant silty clay	V71
258 258A 258B	258B2 T258B	Sicily silt loam, 2-4% slopes	Downs silt loam, 2 to 4 percent slopes	386B
258C 258C2 258D2		Sicily silt loam, 4-7% slopes, eroded	Downs silt loam, 4 to 9 percent slopes, eroded	386C2
180 C180		Dupo silt loam, 0-2% slopes	Dupo silt loam	180
48 T48	V48	Ebbert silt loam, 0-2% slopes	Ebbert silt loam	48

Symbol		Field Name	Approved Name	Manuscript Map Symbol
U308C		Alford-Urban land complex, 7-15% slopes	Fayette-Urban land complex, 7 to 15 percent slopes	U280C
U308E		Alford-Urban land complex, 15-25% slopes	Fayette-Urban land complex, 15 to 25 percent slopes	U280E
162 284		Gorham silty clay loam, 0-2% slopes	Gorham silty clay loam	162
331 F331		Haymond silt loam, 0-2% slopes	Haymond silt loam	331
46 T46 T46+ T43	V43 T127A T127B V127	Herrick silt loam, 0-3% slopes	Herrick silt loam	46
110 V46 +46		Venedy silt loam		
8E2 8E3 8F2 8F3	8G 8G2 8F	Hickory loam, 18-30% slopes, eroded	Hickory loam, 18 to 30 percent slopes, eroded	8F2
338A V454 V454A		Hurst silt loam, 0-2% slopes Iva silt loam, 0-2% slopes, clayey subsoil variant	Hurst silt loam, 0 to 2 percent slopes	338A
338B 338B2 V454B V454B2	338B3 338C	Hurst silt loam, 2-6% slopes, eroded Iva silt loam, 2-4% slopes, clayey subsoil variant	Hurst silt loam, 2 to 5 percent slopes, eroded	338B2
S338B S338B2 S338C2	S338C3 S338A	Hurst silt loam, 1-3% slopes, sandy substratum	Hurst silt loam, 1 to 4 percent slopes, sandy substratum	S338B
338C2 338C3 338D 338D2	338D3 S338D2 S338D3 V454C2	Hurst silt loam, 5-10% slopes, eroded	Hurst silty clay loam, 5 to 10 percent slopes, eroded	338C2

Symbol		Field Name	Approved Name	Manuscript Map Symbol
620A 581A T581A V581A	994A T994A V994A	Darmstadt silt loam, 0-2% slopes	Darmstadt silt loam, 0 to 2 percent slopes	620A
V994B V994B2 V581B V581B2 V581B3 V581C2 994B 620B2 581B 581B2 581B3 581C2	V994B3 V994C2 994B2 994C2 T994B2 T994B3 T581B T581B2 T581B3 T581C2	Darmstadt silt loam, 2-4% slopes, eroded Darmstadt silt loam, 2-4% slopes, eroded	Darmstadt silt loam, 2 to 4 percent slopes, eroded	620B2
620C3 581C3 T581C3 V581C3 V581D2	V581D3 994C3 T994C3 V994C3 V994D3	Darmstadt soils, 4-10% slopes, severely eroded	Darmstadt silty clay loam, 4 to 10 percent slopes, severely eroded	620C3
71 83 71+	103 638	Darwin silty clay, 0-2% slopes	Darwin silty clay	71
U71		Darwin-Urban land complex	Darwin-Urban land complex	U71
L71 590		Darwin silty clay, loamy substratum, 0-2% slopes	Darwin Variant silty clay	V71
258 258A 258B	258B2 T258B	Sicily silt loam, 2-4% slopes	Downs silt loam, 2 to 4 percent slopes	386B
258C 258C2 258D2		Sicily silt loam, 4-7% slopes, eroded	Downs silt loam, 4 to 9 percent slopes, eroded	386C2
180 C180		Dupo silt loam, 0-2% slopes	Dupo silt loam	180
48 T48	V48	Ebbert silt loam, 0-2% slopes	Ebbert silt loam	48

Symbol		Field Name	Approved Name	Manuscript Map Symbol
75 75A 75B 308 308A 308B	V75 V75A V75B 308B2 V308B	Alford silt loam, 2-4% slopes	Fayette silt loam, 2 to 4 percent slopes	280B
75C V75C 308C 308C2	 V308C V308C2	Alford silt loam, 4-7% slopes, eroded Alford silt loam, 4-7% slopes, eroded	Fayette silt loam, 3 to 6 percent slopes, eroded	280B2
453D2 V453D 75D 308D 308D2	 V308D V308D2	Alford silt loam, 7-12% slopes, eroded Alford silt loam, 7-12% slopes, eroded	Fayette silt loam, 6 to 12 percent slopes eroded	280C2
308E 308E2 V308E	V308E2 453E2	Alford silt loam, 12-18% slopes, eroded	Fayette silt loam, 12 to 18 percent slopes, eroded	280D2
308F V308F		Alford silt loam, 18-30% slopes	Fayette silt loam, 18 to 30 percent slopes	280E
308G 308G2		Alford silt loam, 30-60% slopes	Fayette silt loam, 30 to 60 percent slopes	280G
308C3 V308C3		Alford soils, 4-7% slopes, severely eroded	Fayette silty clay loam, 3 to 6 percent slopes, severely eroded	280B3
S453D3 308D3 V308D3	453D3 V453D3	Alford soils, 7-12% slopes, severely eroded	Fayette silty clay loam, 6 to 12 percent slopes, severely eroded	280C3
308E3 V308E3		Alford soils, 12-18% slopes, severely eroded	Fayette silty clay loam, 12 to 18 percent slopes, severely eroded	280D3
308F2 V308F2	V308F3	Alford soils, 18-30% slopes, severely eroded	Fayette silty clay loam, 18 to 30 percent slopes, severely eroded	280E3
U308B		Alford-Urban complex, 1-7% slopes	Fayette-Urban land complex, 1 to 7 percent slopes	U280B

Symbol		Field Name	Approved Name	Manuscript Map Symbol
84 84A 26	84B	Okaw silt loam, 0-2% slopes Wagner silt loam, 0-2% slopes	Okaw silt loam	84
190 190A 190B	148 148B	Onarga fine sandy loam, 1-4% slopes	Onarga fine sandy loam, 1 to 4 percent slopes	150B
802		Orthents loamy	Orthents, loamy	802
801C		Orthents silty, 3-10% slopes	Orthents, silty, 3 to 10 percent slopes	801C
801G		Orthents silty, 30-60% slopes	Orthents, silty, 30 to 60 percent slopes	801G
451 74 76		Lawson silt loam, 0-2% slopes	Otter silt loam	76
619 589		Parkville silty clay, 0-2% slopes	Parkville silty clay	619
474 474A	T474 T474A	Piasa silt loam, 0-2% slopes	Piasa silt loam	474
995 995A		Herrick-Piasa silt loams, 0-2% slopes	Piasa-Herrick silt loams	995
452 161		Riley silty clay loam, 0-2% slopes Newart silt loam, 0-2% slopes	Riley silty clay loam	452
U161		Unnamed	Riley-Urban land complex	U452
68 68A+		Sable silty clay loam, 0-2% slopes	Sable silty clay loam	68
138 138+		Shiloh silty clay loam, 0-2% slopes	Shiloh silty clay loam	138

Symbol		Field Name	Approved Name	Manuscript Map Symbol
35E3 35F		Sylvan-Bold silt loams, 15-30% slopes, severely eroded	Sylvan-Bold silt loams, 15 to 30 percent slopes, severely eroded	962E3
962D3 962E 962E2 962E3 962F 19E2 19E3 19F3	962F2 962F3 V962E3 V962F2 V962F3 19G 30D	Sylvan-Bold silt loams, 15-30% slopes, severely eroded Sylvan soils, 15-25% slopes, severely eroded		
962G V962G	30G 75G2	Sylvan-Bold silt loam, 30-60% slopes	Sylvan-Bold silt loams, 30 to 60 percent slopes	962G
U962F		Sylvan-Bold-Urban land complex, 25-60% slopes	Sylvan-Bold-Urban land complex, 25 to 60 percent slopes	U962F
128B 128B2 127B 127B2	128 128A	Tama silt loam, 2-4% slopes Harrison silt loam, 2-4% slopes	Tama silt loam, 2 to 4 percent slopes	36B
128C 128C2 128D2 127C 127C2 127C3		Tama silt loam, 4-7% slopes, eroded Harrison silt loam, 4-7% slopes, eroded	Tama silt loam, 4 to 7 percent slopes, eroded	36C2
455		Mixed alluvial land, 0-2% slopes	Udifluvents, loamy	407
533		Urban land	Urban land	533
47 47+ V47 V47+ +V47	T47 50 403 403+	Virden silt loam, 0-2% slopes Virden silt loam, clayey subsoil variant, 0-2% slopes	Virden silt loam	50
333 F333	V333 382	Wakeland silt loam, 0-2% slopes	Wakeland silt loam	333
16 16A V16	16T T16	Rushville silt loam, 0-2% slopes Rushville silt loam, clayey subsoil variant, 0-2% slopes	Weir silt loam	165

Symbol	Field Name	Approved Name	Manuscript Map Symbol
37A	Worthen silt loam,	) Worthen silt loam,	37B
37B	1-4% slopes	) 1 to 4 percent slopes	
28		)	
37C	Worthen silt loam,	)	
37D	4-10% slopes	)	

*Each soil symbol consists of a combination of 2 or 3 numerals representing a series. Capital letter following these numbers indicates the class of slope (A through G) and numbers following slope class indicate whether soils are eroded (2) or severely eroded (3). The letter "S" preceding the series number indicates a sandy substratum phase; letter "H" indicates Karst phase: and letter "U" indicates Urban land. "V" indicates Variant. Symbols without slope letter are nearly level or are miscellaneous land types.

The following series are established by this correlation:

Darmstadt

Series dropped or made inactive by this correlation:

None

St. Clair County does not join any completed modern soil survey or a general soil map prepared from a detailed soil survey.

Disposition of field sheets:
Completed field sheets were retained by Illinois. On revision of the field sheets, photographs will be forwarded to the Cartographic Unit.

Instructions for Map Compilation:
The field sheets for this soil survey will be compiled by Illinois. The legend of conventional symbols indicates symbols to be deleted or retained in map compilation. Symbols retained will use appropriate symbols for the item as listed in the Guide for Soil Map Compilation on Photobase Map Sheets or from the suggested Ad Hoc symbols if none are assigned.

LEGEND OF CONVENTIONAL SYMBOLS

Description	Symbol	Recommended Disposition
Roads		
Good motor		
Numbered highways	I-64 State 13 US 460	As indicated on map accompanying field sheets
All weather		
Poor motor		
Dirt		Hold
Private lane		Drop
Railroads		
Single track		Hold
Multiple track		Hold
Canal or ditch (label) (blue)	(Narrow) (Blue)	Hold
	(Wide) (Blue)	Hold
Buildings		Drop
School		Drop
Church	Rural Areas	Hold
Cemetery	Cem.	Hold
Quarry (label)		
Small		Hold
Large	Limestone Quarry	Hold
Mine shaft		Drop
Oil or gas wells		Drop
Storage tanks		Drop
Airport (label)	Airport	Hold
Dams and reservoir or pond (Blue)		Hold

Description	Symbol	Recommended Disposition
Levee		
Without road		Hold
With road		Hold
Drainage (blue)		
Perennial streams		Hold
Intermittent		Hold
Intermittent lake or pond		Hold
Wet spot		Drop
Swamp or marsh (small isolated areas)		Hold
Swamp or marsh (large areas)		Hold
Relief (black)		
Escarpment, other than bedrock (dash unless soil boundary)		Hold
Bedrock escarpment		Hold
Indian mounds		Hold
Sink holes, undifferentiated		Hold
Boundaries, Marks and Monuments		
State		Hold
County line		Hold
Small park, etc. (label)	Jones Park	Drop
City, village or urban area		Drop
Section line (red)		Drop
Section numbers in center of section (red)	6	Hold
Special Symbols - Soil Survey		
Rock outcrop		Hold
Stony		Drop
Gravel		Hold

Description	Symbol	Recommended Disposition
Clay Spot		Drop
Sand Spot		Hold
Severely Eroded (Less 2 acres)		Hold
Calcareous Area (3-5 acres)		Hold
Made land or mine dumps	or	Hold
Saline spot		Hold
Short steep slopes		Hold
Neat line (shown only where not a road)		Hold
Sawmill		Drop
Sewage Lagoon (labeled)	Sewage Lagoon	Hold
Power Transmission Line	(Delete from maps)	Drop
Borrow pit	Borrow Pit or B. P.	Drop
Pump station		Hold
Sanitary landfill	Sanitary Landfill	Hold

Approved: April 4, 1975

Maurice Stout, Jr.
Head, Soil Correlation Staff
Midwest TSC

CONVERSION LEGEND RELATING FIELD MAP SYMBOLS
TO PUBLICATION SYMBOLS

Field Symbol	Publication Symbol	Field Symbol	Publication Symbol
8E2	8F2	V48	48
8E3	8F2	50	50
8F	8F2	68	68
8F2	8F2	68A+	68
8F3	8F2	70	70
8G	8F2	C70	70
8G2	8F2	W70	70
16	165	71	71
16A	165	U71	U71
16T	165	71+	71
T16	165	L71	V71
V16	165	74	76
19E2	962E3	75	280B
19E3	962E3	75A	280B
19F3	962E3	75B	280B
19G	962E3	75C	280B2
26	84	75D	280C2
28	37B	75G2	962G
30D	962E3	V75	280B
30G	962G	V75A	280B
35E3	962E3	V75B	280B
35F	962E3	V75C	280B2
37A	37B	76	76
37B	37B	81	81A
37C	37B	81B	81A
37D	37B	C81	81A
U41	U41B	V81	81A
43	41A	83	71
43A	41A	84	84
43B	41A	84A	84
43+	41A	84B	84
T43	46	88	304B
V43	46	88A	304B
46	46	88B	304B
T46	46	92	304B
V46	46	98	304B
T46+	46	98A	304B
+46	46	103	71
47	50	108	108
47+	50	109	108
T47	50	V109	108
V47	50	110	46
V47+	50	127	41A
+V47	50	127A	41A
48	48	127A+	41A
T48	48	127B	36B

Field Symbol	Publication Symbol	Field Symbol	Publication Symbol
127B2	36B	243C3	570B
127C	36C2	248	70
127C2	36C2	V248	70
127C3	36C2	257	61A
T127A	46	257A	61A
T127B	46	257B	61A
V127	46	257B2	61A
128	36B	257C	61A
128A	36B	257C2	61A
128B	36B	257+	61A
128B2	36B	T257A	61A
128C	36C2	T257B	61A
128C2	36C2	V257A	61A
128D2	36C2	258	386B
131A	570B	258A	386B
131B	570B	258B	386B
131C2	570B	258B2	386B
131D2	570B	258C	386C2
131D3	570B	258C2	386C2
131E2	570B	258D2	386C2
V131A	570B	T258B	386B
V131B	570B	284	162
132	570B	304	304B
132A	570B	304A	304B
132B	570B	304B	304B
134	570B	304C	304B
134A	570B	304D	304B
134B	570B	304-92-B	304B
134B2	570B	304-92-C	304B
134C2	570B	308	280B
134D2	570B	308A	280B
134D3	570B	308B	280B
134G	570B	308B2	280B
138	138	308C	280B2
138+	138	308C2	280B2
148	150B	308C3	280B3
148B	150B	308D	280C2
149A	570B	308D2	280C2
161	452	308D3	280C3
U161	U452	308E	280D2
162	162	308E2	280D2
180	180	308E3	280D3
C180	180	308F	280E
190	150B	308F2	280E3
190A	150B	308F3	308F3
190B	150B	308G	280G
242A	570B	308G2	280G
242B	570B	H308C	H308C
243A	570B	H308C2	H308C

Field Symbol	Publication Symbol
H308C3	H308C
H308D	H308D
H308D2	H308D
H308D3	H308D
H308F	H308F
H308F2	H308F
H308F3	H308F
S308D	308C2
S308D2	308C2
S308D3	308C3
S308E2	308D2
S308E3	308D2
T308D	308C2
T308D2	308C2
T308D3	308C3
T308E	308D2
T308E2	308D2
T308E3	308D2
T308F2	308D2
U308B	U280B
U308C	U280C
U308E	U280E
V308B	280B
V308C	280B2
V308C2	280B2
V308C3	280B3
V308D	280C2
V308D2	280C2
V308D3	280C3
V308E	280D2
V308E2	280D2
V308E3	280D3
V308F	280E
V308F2	280E3
V308F3	280E3
331	331
F331	331
333	333
F333	333
V333	333
334	108
C334	108
338A	338A
338B	338B2
338B2	338B2
338B3	338B2
338C	338B2
338C2	338C2
338C3	338C2
338D	338C2

Field Symbol	Publication Symbol
338D2	338C2
338D3	338C2
338E	Terrace Break Symbol, Steep Slope Symbol
338E2	" " "
338E3	" " "
338F	" " "
338F2	" " "
338G	" " "
S338A	S338B
S338B	S338B
S338B2	S338B
S338C2	S338B
S338C3	S338B
S338D2	338C2
S338D3	338C2
S338E	Terrace Break Symbol, Steep Slope Symbol
S338E3	" " "
V338	922C3
V338A	922C3
V338B2	922C3
V338B3	922C3
V338C	922C3
V338C2	922C3
V338C3	922C3
V338D	922D3
V338D2	922D3
V338D3	922D3
V338E	922D3
V338E2	922D3
V338E3	922D3
V338F	Terrace Break Symbol, Steep Slope
382	333
403	50
403+	50
406	108
407	108
415	81A
C415	81A
422	426
426	426
451	76
452	452
453	308B
453A	308B
453B	308B
453B2	308B2
453B3	308B2

Field Symbol	Publication Symbol
453C	308C2
453C2	308C2
453C3	308C3
453D2	280C2
453D3	280C3
453E2	280D2
S453C2	308C2
S453C3	308C3
T453A	308B
T453B	308B
T453B2	308B2
T453C	308C2
T453C2	308C2
T453C3	308C3
T453D2	308C2
V453A	308B
V453B	308B
V453B2	308B2
V453C	308C2
V453C2	308C2
V453C3	308C3
V453D	280C2
V453D3	280C3
454	454A
454A	454A
454B	454B
454B2	454B2
454B3	454B2
454C2	454B2
S454B2	454B2
T454	454A
T454A	454A
T454B	454B
T454B2	454B2
T454B3	454B2
T454C3	454B2
V454	338A
V454A	338A
V454B	338B2
V454B2	338B2
V454C2	338C2
455	407
474	474
474A	474
T474	474
T474A	474
533	533
570	570
581A	620A
581B	620B2
581B2	620B2
581B3	620B2
581C2	620B2
581C3	620C3
T581A	620A
T581B	620B2
T581B2	620B2
T581B3	620B2
T581C2	620B2
T581C3	620C3
V581A	620A
V581B	620B2
V581B2	620B2
V581B3	620B2
V581C2	620B2
V581C3	620C3
V581D2	620C3
V581D3	620C3
589	619
590	V71
619	619
620A	620A
620B2	620B2
620C3	620C3
638	71
801C	801C
801G	801G
802	802
922C3	922C3
922D3	922D3
962D3	962E3
962E	962E3
962E2	962E3
962E3	962E3
962F	962E3
962F2	962E3
962F3	962E3
962G	962G
U962F	U962F
V962E3	962E3
V962F2	962E3
V962F3	962E3
V962G	962G
994A	620A
994B	620B2
994B2	620B2
994C2	620B2
994C3	620C3
T994A	620A
T994B2	620B2
T994B3	620B2

Field Symbol	Publication Symbol
T994C3	620C3
V994A	620A
V994B	620B2
V994B2	620B2
V994B3	620B2
V994C2	620B2
V994C3	620C3
V994D3	620C3
995	995
995A	995
999D2	999E3
999E2	999E3
999E3	999E3
999F2	999F3
V999	999E3
V999D2	999E3
V999D3	999E3
V999E	999E3
V999E2	999E3
V999E3	999E3
V999F	999F3
V999F2	999F3
V999F3	999F3
V999G	999F3
V999G2	999F3

Numerical List of Correlated Names for Soils of St. Clair County, Illinois

Manuscript Map Symbol	Approved Name
8F2	Hickory loam, 18 to 30 percent slopes, eroded
36B	Tama silt loam, 2 to 4 percent slopes
36C2	Tama silt loam, 4 to 7 percent slopes, eroded
37B	Worthen silt loam, 1 to 4 percent slopes
41A	Muscatine silt loam, 0 to 3 percent slopes
U41B	Muscatine-Urban land complex, 1 to 4 percent slopes
46	Herrick silt loam
48	Ebbert silt loam
50	Virden silt loam
61A	Atterberry silt loam, 0 to 3 percent slopes
68	Sable silty clay loam
70	Beaucoup silty clay loam
71	Darwin silty clay
U71	Darwin-Urban land complex
V71	Darwin Variant silty clay
76	Otter silt loam
81A	Littleton silt loam, 0 to 2 percent slopes
84	Okaw silt loam
108	Bonnie silt loam
138	Shiloh silty clay loam
150B	Onarga fine sandy loam, 1 to 4 percent slopes
162	Gorham silty clay loam
165	Weir silt loam
180	Dupo silt loam

Manuscript Map Symbol	Approved Name
280B	Fayette silt loam, 2 to 4 percent slopes
280B2	Fayette silt loam, 3 to 6 percent slopes, eroded
280B3	Fayette silty clay loam, 3 to 6 percent slopes, severely eroded
280C2	Fayette silt loam, 6 to 12 percent slopes, eroded
280C3	Fayette silty clay loam, 6 to 12 percent slopes, severely eroded
280D2	Fayette silt loam, 12 to 18 percent slopes, eroded
280D3	Fayette silty clay loam, 12 to 18 percent slopes, severely eroded
280E	Fayette silt loam, 18 to 30 percent slopes
280E3	Fayette silty clay loam, 18 to 30 percent slopes, severely eroded
280G	Fayette silt loam, 30 to 60 percent slopes
U280B	Fayette-Urban land complex, 1 to 7 percent slopes
U280C	Fayette-Urban land complex, 7 to 15 percent slopes
U280E	Fayette-Urban land complex, 15 to 25 percent slopes
304B	Landes fine sandy loam, 1 to 6 percent slopes
308B	Alford silt loam, 1 to 4 percent slopes
308B2	Alford silt loam, 1 to 4 percent slopes, eroded
308C2	Alford silt loam, 4 to 10 percent slopes, eroded
308C3	Alford silty clay loam, 4 to 10 percent slopes, severely eroded
308D2	Alford silt loam, 0 to 18 percent slopes, eroded
308F3	Alford silty clay loam, 18 to 40 percent slopes, severely eroded
H308C	Alford soils, Karst, 4 to 7 percent slopes
H308D	Alford soils, Karst, 7 to 15 percent slopes
H308F	Alford complex, 15 to 30 percent slopes
331	Haymond silt loam

Manuscript Map Symbol	Approved Name
333	Wakeland silt loam
338A	Hurst silt loam, 0 to 2 percent slopes
338B2	Hurst silt loam, 2 to 5 percent slopes, eroded
338C2	Hurst silty clay loam, 5 to 10 percent slopes, eroded
S338B	Hurst silt loam, 1 to 4 percent slopes, sandy substratum
386B	Downs silt loam, 2 to 4 percent slopes
386C2	Downs silt loam, 4 to 9 percent slopes, eroded
407	Udifluvents, loamy
426	Karnak silty clay
452	Riley silty clay loam
U452	Riley-Urban land complex
454A	Iva silt loam, 0 to 2 percent slopes
454B	Iva silt loam, 2 to 4 percent slopes
454B2	Iva silt loam, 2 to 4 percent slopes, eroded
474	Piasa silt loam
533	Urban land
570B	Martinsville loam, 1 to 7 percent slopes
619	Parkville silty clay
620A	Darmstadt silt loam, 0 to 2 percent slopes
620B2	Darmstadt silt loam, 2 to 4 percent slopes, eroded
620C3	Darmstadt silty clay loam, 4 to 10 percent slopes, severely eroded
801C	Orthents silty, 3 to 10 percent slopes
801G	Orthents silty, 30 to 60 percent slopes
802	Orthents loamy
922C3	Alford-Hurst silty clay loams, 4 to 7 percent slopes, severely eroded

Manuscript Map Symbol	Approved Name
922D3	Alford-Hurst silty clay loams, 7 to 15 percent slopes, severely eroded
962E3	Sylvan-Bold silt loams, 15 to 30 percent slopes, severely eroded
962G	Sylvan-Bold silt loams, 30 to 60 percent slopes
U962F	Sylvan-Bold-Urban land, 25 to 60 percent slopes
995	Piasa-Herrick silt loams
999E3	Alford-Hickory complex, 12 to 18 percent slopes, severely eroded
999F3	Alford-Hickory complex, 18 to 30 percent slopes, severely eroded

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

University of Illinois

Sampled As:	Sample No.:	Approved:
Clarksdale	22950-22958	Atterberry
Tamalco	22681-22691	Darmstadt
Sicily	22943-22949	Downs
Darwin	20827-20835	Darwin
Alford	9-15	Fayette
Alford	1-8	Fayette
Venedy	22926-22934	Herrick
Herrick	13828-13838	Herrick
Iva, clayey substratum	22935-22942	Hurst
Sable	20836-20845	Sable
Weir	13648-13659	Weir

Illinois Dept. of Transportation

Sampled As:	Sample No.	Approved:
Muren	Unknown	Alford
Darmstadt	"	Darmstadt
Alford	"	Fayette
Herrick	"	Herrick
Okaw	"	Okaw
Piasa	"	Piasa
Newart	"	Riley
Riley	"	Riley
Douglas	"	Tama
Rushville	"	Weir

Notes to Accompany
Classification and Correlation
of the Soils of
St. Clair County, Illinois

by
William E. McKinzie

Alford and Fayette series, both Typic Hapludalfs, fine-silty, mixed, mesic, were used in the preparation of this correlation. Fayette and associated Atterberry, Downs, Muscatine and Tama series were used in the northwestern part of the county and Alford and associated Iva series in the remaining parts of the county. The reason for using Fayette and associated soils is based on particle size analysis for soils carrying the field name of Clarksdale, Sicily, Ipava and Douglas which showed that soils lacked sufficient clay content to qualify for these soils. Except for the loess capped Karst areas in St. Clair and Monroe Counties, there will be small areas north of St. Louis where Fayette will be across from Menfro, in Missouri, and small areas south of St. Louis where Alford will be on the east side of the river across from Menfro, in Missouri. This approach in solving the Alford, Menfro, and Fayette problem appears the best solution of all the alternatives considered.

ALFORD SERIES

Alford complex, 15 to 30 percent slopes was used in correlating the soils in the loess capped Limestone areas with extensive deep sinkholes. Sinkholes have steep sides and are largely wooded. Unit class VIe.

Alford soils Karst, 4 to 7 percent slopes was correlated from the 7 to 15 percent unit because of use and management. The sinkholes in the 4 to 7 unit are shallow and are cultivated, while the 7 to 15 percent unit has deeper sinkholes with steeper side slopes which may or may not be suited for cultivation. Surface textures include both silt loam and silty clay loam, depending on erosion.

Soils carrying the field name of Muren were combined with the appropriate Alford units. These somewhat wetter soils will be discussed as mapping inclusions.

DARMSTADT SERIES

Darmstadt series proposed and established in this county for somewhat poorly drained soils formerly included with Tamalco, a moderately well drained soil. Classification changed from Aeric to Typic Natraqualfs.

FAYETTE SERIES
Severely eroded units on C, D and E slopes have all been truncated to the point where the lighter textured surface layers have been removed by erosion. Soil horizons remaining have sufficient evidence of translocated clay to qualify for an argillic horizon.

HERRICK SERIES
The Herrick standard description 5/6/74 will be revised to include soils in St. Clair County carrying the field name of Harrison. The major change in the revised description will be to minimize the presence of an A2 horizon. Similar soils that are fine-silty were included as mapping unit inclusions.

HURST SERIES
Hurst sandy substratum phase retained because of the significance to engineering uses.

IVA SERIES
Iva 2 to 4 percent slopes, and Iva 2 to 4 percent slopes, eroded were both correlated. The eroded unit has about 10 percent less yield, mixing of A and B horizon causing crusting which results in emergence problems.

MARTINSVILLE SERIES
Soils called Starks in the field legend were combined with this unit because of small acreage and similarity in color and drainage.

MUSCATINE SERIES
Illinois requests that the recent change in classification be reconsidered--they prefer that soil remains as Argiudolls. There is also disagreement on depth to water table and the associated interpretations. This will be discussed with Iowa.

ORTHENTS
Orthents, loamy comprise spoil bank materials resulting from dredging along the Kaskaskia River navigation canal. Approximately 1200 acres.

Orthents, silty, 3 to 10 percent slopes was correlated separate from Orthents, 30 to 60 because of Illinois law requirements. Both units comprise materials from mining operations.

OTTER SERIES
Soils correlated as Lawson in the field correlation were correlated as Otter because of soil moisture and drainage characteristics. Otter soils are Aquolls and Lawson soils are Udolls.

RILEY SERIES
Soils correlated as Newart in the field correlation were included with the Riley soils because of similarity of the two soils.

TAMA SERIES
Tama soils typically have redder (7.5YR hue) in the A and upper B horizons than defined for the series.

UDIFLUVENTS

Soils included in this unit range greatly in texture and drainage. Soils were mapped as mixed alluvial land throughout the survey. The use of 2 or 3 series in naming this unit was considered but complexity of unit prohibited this approach.

WEIR SERIES

Soils correlated as Rushville in the field correlation were correlated as Weir because of the associated soils and the questionable abrupt textural change.

CLASSIFICATION OF SOILS

Soils Series	Classification
Alford	Typic Hapludalfs; fine-silty, mixed, mesic
Atterberry	Udollic Ochraqualfs; fine-silty, mixed, mesic
Beaucoup	Fluvaquentic Haplaquolls; fine-silty, mixed, mesic
Bold	Typic Udorthents; coarse-silty, mixed (calcareous), mesic
Bonnie	Typic Fluvaquents; fine-silty, mixed, acid, mesic
Darmstadt	Typic Natraqualfs; fine-silty, mixed, mesic
Darwin	Vertic Haplaquolls; fine, montmorillonitic, mesic
Darwin Variant	Vertic Haplaquolls: clayey over loamy, montmorillonitic, mesic
Downs	Mollic Hapludalfs; fine-silty, mixed, mesic
Dupo	Aquic Udifluvents; coarse-silty over clayey, nonacid, mesic
Ebbert	Argiaquic Argialbolls; fine-silty, mixed, mesic
Fayette	Typic Hapludalfs; fine-silty, mixed, mesic
Gorham	Fluvaquentic Haplaquolls; fine-silty, mixed, mesic
Haymond	Typic Udifluvents; coarse-silty, mixed, nonacid, mesic
Herrick	Aquic Argiudolls; fine, montmorillonitic, mesic
Hickory	Typic Hapludalfs; fine-loamy, mixed, mesic
Hurst	Aeric Ochraqualfs; fine, montmorillonitic, mesic
Iva	Aeric Ochraqualfs; fine-silty, mixed, mesic
Karnak	Vertic Haplaquepts; fine, montmorillonitic, nonacid, mesic
Landes	Fluventic Hapludolls; coarse-loamy, mixed, mesic
Littleton	Cumulic Hapludolls; fine-silty, mixed, mesic

*Refer to Notes to Accompany Classification and Correlation of the Soils of St. Clair County, Illinois for explanation of taxadjunct.

Soil Series	Classification
Martinsville	Typic Hapludalfs; fine-loamy, mixed, mesic
Muscatine	Aquic Hapludolls; fine-silty, mixed, mesic
Okaw	Typic Albaqualfs; fine, montmorillonitic, mesic
Onarga	Typic Argiudolls; coarse-loamy, mixed, mesic
Otter	Cumulic Haplaquolls; fine-silty, mixed, mesic
Orthents	Udorthents; loamy, mixed, mesic
Parkville	Fluvaquentic Hapludolls; clayey over loamy, montmorillonitic, mesic
Piasa	Typic Natralbolls; fine, montmorillonitic, mesic
Riley	Fluvaquentic Hapludolls; fine-loamy over sandy or sandy skeletal, mixed, mesic
Sable	Typic Haplaquolls; fine-silty, mixed, mesic
Shiloh	Cumulic Haplaquolls; fine, montmorillonitic, mesic
Sylvan	Typic Hapludalfs; fine-silty, mixed, mesic
Tama	Typic Argiudolls; fine-silty, mixed, mesic
Udifluvents	Aquic Udifluvents; loamy, mixed, nonacid, mesic
Virden	Typic Argiaquolls; fine, montmorillonitic, mesic
Wakeland	Aeric Fluvaquents; coarse-silty, mixed, nonacid, mesic
Weir	Typic Ochraqualfs; fine, montmorillonitic, mesic
Worthen	Cumulic Hapludolls; fine-silty, mixed, mesic

Soil Series	Classification
Martinsville	Typic Hapludalfs; fine-loamy, mixed, mesic
Muscatine	Aquic Hapludolls; fine-silty, mixed, mesic
Okaw	Typic Albaqualfs; fine, montmorillonitic, mesic
Onarga	Typic Argiudolls; coarse-loamy, mixed, mesic
Otter	Cumulic Haplaquolls; fine-silty, mixed, mesic
Orthents	Udorthents; loamy, mixed, mesic
Parkville	Fluvaquentic Hapludolls; clayey over loamy, montmorillonitic, mesic
Piasa	Typic Natralbolls; fine, montmorillonitic, mesic
Riley	Fluvaquentic Hapludolls; fine-loamy over sandy or sandy skeletal, mixed, mesic
Sable	Typic Haplaquolls; fine-silty, mixed, mesic
Shiloh	Cumulic Haplaquolls; fine, montmorillonitic, mesic
Sylvan	Typic Hapludalfs; fine-silty, mixed, mesic
Tama	Typic Argiudolls; fine-silty, mixed, mesic
Udifluvents	Aquic Udifluvents; loamy, mixed, nonacid, mesic
Virden	Typic Argiaquolls; fine, montmorillonitic, mesic
Wakeland	Aeric Fluvaquents; coarse-silty, mixed, nonacid, mesic
Weir	Typic Ochraqualfs; fine, montmorillonitic, mesic
Worthen	Cumulic Hapludolls; fine-silty, mixed, mesic