

UNITED  
STATES DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

CLASSIFICATION AND CORRELATION  
OF THE SOILS OF  
ST. CLAIR COUNTY, ILLINOIS

A SUBSET OF MLRA'S 114 AND 115B

This correlation was revised by Gary R. Struben in March 1997. It was prepared as part of the update of the Soil Survey of St. Clair County, Illinois. Prior to publishing this correlation a draft of this correlation was compiled by Samuel J. Indorante, MLRA Project Leader, from materials prepared by Randy A. Leeper and W. Matt McCauley. A Final Correlation Conference was held in January 1997. Those participating in the conference were: Samuel J. Indorante, MLRA Project Leader, Randy A. Leeper, MLRA Soil Scientist, W. Matt McCauley, Zone Soil Scientist, Edward C. Workman, Soil Scientist/Soil Conservationist, and Dwayne R. Williams, Soil Scientist. Decisions made then were based on the descriptive legend, field soil maps, survey area field notes, special studies and laboratory data.

Headnote for Detailed Soil Survey Legend:

Map symbols consist of numbers, or a combination of numbers and letters. Two and three digit numbers represent the kind of soil. The first digit of a four digit number is a prefix that represents wetness, urban areas, flooding frequency or karst. A capital letter following those numbers indicates the class of slope, except for the letter "L", which indicates long duration flooding. Three digit symbols without a slope letter are for miscellaneous areas. A final number of 2 following the slope letter indicates that the soil is moderately eroded and a number 3 indicates that it is severely eroded.

SOIL CORRELATION OF  
ST. CLAIR COUNTY, ILLINOIS -- MLRA 114/115B  
MAY 1997

Field symbols	Field map unit name	Publication symbol	Approved map unit name
S308D, S453C, S454B	Muren silt loam, sandy substratum, 4 to 7 percent slopes, eroded	5C2	Blair silt loam, 5 to 10 percent slopes, eroded
S308D, S453C, S453D	Muren silt loam, sandy substratum, 4 to 7 percent slopes, severely eroded	5C3	Blair silt loam, 5 to 10 percent slopes, severely eroded
S308E	Alford silt loam, sandy substratum, 12 to 18 percent slopes	5D3	Blair silt loam, 10 to 18 percent slopes, severely eroded
8E2, 8E3, 8F, 8F2, 8F3, 8G, 8G2	Hickory silt loam, 18 to 30 percent slopes, eroded	8F2	Hickory silt loam, 18 to 35 percent slopes, eroded
16, 16A	Rushville silt loam	31A	Pierron silt loam, 0 to 2 percent slopes
37A	Worthen silt loam, 0 to 2 percent slopes	37A	Worthen silt loam, 0 to 2 percent slopes
37B, 37C, 37D	Worthen silt loam,	37B	Worthen silt loam, 2 to 5 percent slopes
46, 46+, 127, 127A, 127A+	Herrick silt loam	46A	Herrick silt loam, 0 to 2 percent slopes
47, 47+	Viriden silt loam	50A	Viriden silt loam, 0 to 2 percent slopes
75, 75A, 75C, 75D, V75, V75A, V75B, V75C	Drury silt loam, 1 to 4 percent slopes	75B	Drury silt loam, 2 to 5 percent slopes
308B, 308B2	Alford silt loam, 1 to 4 percent slopes	79B	Menfro silt loam, 2 to 5 percent slopes
308C, 308C2, 308D, 308D2	Alford silt loam, 4 to 10 percent slopes, eroded	79C2	Menfro silt loam, 5 to 10 percent slopes, eroded

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
308C3, 308D3	Alford silty clay loam, 4 to 10 percent slopes, severely eroded	79C3	Menfro silt clay loam, 5 to 10 percent slopes, severely eroded
308E, 308E2, 453E2	Alford silt loam, 12 to 18 percent slopes	79D2	Menfro silt loam, 10 to 18 percent slopes, eroded
19E2, 19E3, 308E3, 962D3, V962E	Sylvan silt loam, 12 to 18 percent slopes, eroded	79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded
308F, V962F	Alford silt loam, 18 to 30 percent slopes	79F	Menfro silt loam, 18 to 35 percent slopes
19F3, 308F2, 308F3, V962F	Sylvan soils, 18 to 30 percent slopes, severely eroded	79F3	Menfro silty clay loam, 18 to 35 percent slopes, severely eroded
19G, 94G, 308G, 308G2, V962G	Sylvan silt loam, 30 to 60 percent slopes	79G	Menfro silt loam, 35 to 60 percent slopes
81, 81B, C81	Littleton silt loam. 0 to 2 percent slopes	81A	Littleton silt loam, 0 to 2 percent slopes
257, 257A, 257B, 257B2, 258, 258A, 257+	Clarksdale silt loam, 0 to 2 percent slopes	90A	Bethalto silt loam, 0 to 2 percent slopes
109	Racoon silt loam	109A	Racoon silt loam, 0 to 2 percent slopes
48	Ebbert silt loam	112A	Cowden silt loam, 0 to 2 percent slopes
257, 257+, 257A, 258, 258A	Clarksdale silt loam, 0 to 2 percent slopes	113A	Oconee silt loam, 0 to 2 percent slopes

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
257B, 257B2, 258B, 258B2	Sicily silt loam, 2 to 4 percent slopes	113B	Oconee silt loam, 2 to 5 percent slopes
454A	Iva silt loam, 0 to 2 percent slopes	267A	Caseyville silt loam, 0 to 2 percent slopes
454B	Iva silt loam, 2 to 4 percent slopes	267B	Caseyville silt loam, 2 to 5 percent slopes
258B, 258B2	Sicily silt loam, 2 to 4 percent slopes, eroded	283B	Downsouth silt loam, 2 to 5 percent slopes
257C, 257C2, 258C, 258C2, 258D2	Clarksdale silt loam, 4 to 10 percent slopes	283C2	Downsouth silt loam, 5 to 10 percent slopes, eroded
43, 43+, 43A, 43B, 127, 127A, 127A+	Ipava silt loam, 0 to 2 percent slopes	384A	Edwardsville silt loam, 0 to 2 percent slopes
43B, 127B, 127B2	Ipava silt loam, 2 to 4 percent slopes	384B	Edwardsville silt loam, 2 to 5 percent slopes
47, 47+, 68, 68A+, V287	Sable silty clay loam	385A	Mascoutah silty clay loam, 0 to 2 percent slopes
V337A, T454, T454A, V454, V454A	Iva Variant silt loam, 0 to 2 percent slopes	423A	Millstadt silt loam, 0 to 2 percent slopes
V337, T454B, V454B	Iva Variant silt loam, 2 to 4 percent slopes	423B	Millstadt silt loam, 2 to 5 percent slopes
16T, T16	Rushville silt loam, terrace phase	433A	Floraville silt loam, 0 to 2 percent slopes
T258B, T308B, T453A, T453B, T127B	Muren silt loam, terrace, 2 to 4 percent slopes	437B	Redbud silt loam, 2 to 5 percent slopes

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
T127C, T308C, T453C, T454C, V454C	Muren silt loam, terrace, 4 to 7 percent slopes	437C2	Redbud silt loam, 5 to 10 percent slopes, eroded
127B, 127B2, 128B, 128B2	Harrison silt loam, 2 to 4 percent slopes	438B	Aviston silt loam, 2 to 5 percent slopes
127C, 127C2, 127C3, 128C, 128C2, 257C, 257C2, 258C, 258C2, 258D2	Harrison silt loam, 4 to 7 percent slopes	438C2	Aviston silt loam, 5 to 10 percent slopes, eroded
128, 128A, 128B, 128B2, 127B, 127B2	Douglas silt loam, 2 to 4 percent slopes	441B	Wakenda silt loam, 2 to 5 percent slopes
127C, 127C2, 127C3, 128C, 128C2, 128D2	Douglas silt loam, 4 to 7 percent slopes	441C2	Wakenda silt loam, 5 to 10 percent slopes, eroded
T43, V43, T46, T46+, V46, 110, T127A, T127B, V127, V127A, V127B, T257A, T257B, 405	Ipava silt loam, terrace phase	466A	Bartelso silt loam, 0 to 2 percent slopes
T47, V47, V47+, +V47, T48, 129, 138, 138+, V287, 403, 403+	Viriden silt loam, terrace phase	468A	Lakaskia silt loam, 0 to 2 percent slopes
308, 308A, 453, 453A, 453B	Muren silt loam, 2 to 4 percent slopes	477B	Winfield silt loam, 2 to 5 percent slopes
453B2, 453B3, 454B2, 454B3	Muren silt loam, 2 to 4 percent slopes, eroded	477B2	Winfield silt loam, 2 to 5 percent slopes, eroded

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
453C, 453C2, 453D2, 454C2	Muren silt loam, 4 to 7 percent slopes	477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
453C3, 453D3	Muren soils, 4 to 7 percent slopes, severely eroded	477C3	Winfield silty clay loam, 5 to 10 percent slopes, severely eroded
308B, 308B2, V308B	Alford Variant silt loam, 2 to 4 percent slopes, eroded	491B2	Ruma silty clay loam, 2 to 5 percent slopes, eroded
308C2, 308C3, 308D2, 308D3, V308C, V308D	Alford Variant silt loam, 4 to 7 percent slopes, eroded	491C3	Ruma silty clay loam, 5 to 10 percent slopes, severely eroded
308E2, 308E3, V308E, V308F	Alford Variant silt loam, 12 to 18 percent slopes	491D3	Ruma silty clay loam, 10 to 18 percent slopes, severely eroded
V308C, V308D, V453C, V453D	Muren Variant silt loam, 4 to 7 percent slopes, eroded	515C2	Bunkum silt loam, 5 to 10 percent slopes, eroded
V308C, V308D, V453C, V453D	Muren Variant soils, 4 to 7 percent slopes, severely eroded	515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded
V308E	Muren Variant soils, 12 to 18 percent slopes, severely eroded	515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded
454, 454A	Iva silt loam, 0 to 2 percent slopes	517A	Marine silt loam, 0 to 2 percent slopes
454B	Iva silt loam, 2 to 4 percent slopes	517B	Marine silt loam, 2 to 5 percent slopes
533	Urban land	533	Urban land
536	Dumps	536	Dumps

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
308A, 308B, V308B, 453A, 453B, V453B	Muren Variant silt loam, 2 to 4 percent slopes	582B	Homen silt loam, 2 to 5 percent slopes
453B2, V453B, 454B2, 454B3	Muren Variant silt loam, 2 to 4 percent slopes, eroded	582B2	Homen silt loam, 2 to 5 percent slopes, eroded
453C, 453C2, 454C2	Muren Variant silt loam, 4 to 7 percent slopes	582C2	Homen silt loam, 5 to 10 percent slopes, eroded
308, 999	Alford-Hickory complex, 18 to 30 percent slopes	585F2	Negley loam, 18 to 35 percent slopes, eroded
	Orthents, silty, 3 to 10 percent slopes	801B	Orthents, silty, undulating
	Orthents, silty, 30 to 60 percent slopes	801D	Orthents, silty, steep
	Orthents, loamy, 3 to 10 percent slopes	802B	Orthents, loamy, undulating
	Orthents, loamy, 30 to 60 percent slopes	802D	Orthents, loamy, steep
801G	Orthents, silty, 30 to 60 percent slopes	821G	Morristown very stony silty clay loam, 35 to 70 percent slopes
801C	Orthents, silty, 3 to 10 percent slopes	824B	Swanwick silty clay loam, 1 to 5 percent slopes
801C	Orthents, silty, 3 to 10 percent slopes	825B	Lenzburg silty clay loam, acid substratum, 1 to 7 percent slopes
	Orthents, silty, acid substratum	826D	Orthents, silty, acid substratum, rolling
	Pits, quarries	864	Pits, quarries

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
	Pits, gravel	865	Pits, gravel
801C	Orthents, silty, 3 to 10 percent slopes	866	Dumps, slurry
801C	Orthents, silty, 3 to 10 percent slopes		871B  Lenzburg gravelly silty clay loam, 1 to 7 percent slopes, stony
801G	Orthents, silty, 30 to 60 percent slopes	871D	Lenzburg gravelly silty clay loam, 7 to 18 percent slopes, stony
801G	Orthents, silty, 30 to 60 percent slopes	871G	Lenzburg gravelly silty clay loam, 18 to 70 percent slopes, stony
581C2, 581C3, T581C, V581C, V581D, 620C3, 994C2, 994C3, T994C, V994C, V994D	Tamalco Variant, 4 to 7 percent slopes, severely eroded	878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded
581B2, 581B3, T581B, V581B, 620B2, 994B2, T994B, V994B	Tamalco Variant, 2 to 4 percent slopes, eroded	880B2	Coulterville-Darmstadt silt loams, 2 to 5 percent slopes, eroded
581A, T581A, V581A, 620A, 994A, T994A, V994A	Oconee-Tamalco silt loams, 0 to 2 percent slopes	882A	Oconee-Darmstadt-Coulterville silt loams, 0 to 2 percent slopes
581B, T581B, V581B, 994B, V994B	Oconee-Tamalco silt loams, 2 to 4 percent slopes	882B	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
V308C, V453C	Alford Variant silty clay loams, 4 to 7 percent slopes, severely eroded	884C3	Bunkum-Coulterville silty clay loams, 5 to 10 percent slopes, severely eroded
474, 474A, T474, T474A	Piasa silt loam	885A	Virден-Fosterburg silt loams, 0 to 2 percent slopes
999F2, V999F, V999G, V308F	Alford-Hickory soils, 18 to 30 percent slopes	886F3	Ruma-Ursa silty clay loams, 18 to 35 percent slopes, severely eroded
474, 474A, T474, T474A, 995, 995A	Piasa silt loam	894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes
999D2, 999E2, 999E3, V999, V999D, V999E	Alford-Hickory soils, 12 to 18 percent slopes, severely eroded	897D3	Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
V338B, V338C	Muren-Hurst complex, 4 to 7 percent slopes, severely eroded	906C3	Redbud-Hurst silty clay loams, 5 to 10 percent slopes, severely eroded
T308D, T308E, V338D, V338E	Alford silty clay loams, terrace, 12 to 18 percent slopes, severely eroded	907D3	Redbud-Colp silty clay loams, 10 to 18 percent slopes, severely eroded
30D, 35E3, 35F, 962E, 962E2, 962E3, 962F, 962F2, 962F3	Sylvan-Bold silt loams, 18 to 35 percent slopes, eroded	962F2	Sylvan-Bold silt loams, 18 to 35 percent slopes, eroded
30G, 75G2, 962G, U962F	Sylvan-Bold silt loams, 35 to 60 percent slopes	962G	Sylvan-Bold silt loams, 35 to 60 percent slopes

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
474, 474A, T474, T474A	Piasa silt loam	993A	Cowden-Piasa silt loams, 0 to 2 percent slopes
71, 103, 426, 638	Darwin silty clay	1071A	Darwin silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
248, V248	McFain silty clay	1248A	McFain silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
108, 333, 406, 407	Bonnie silt loam	1288A	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
U71	Darwin-Urban land complex	2071L	Darwin-Urban land complex, 0 to 2 percent slopes, occasionally flooded, long duration
U308C	Alford-Urban land, complex, 7 to 15 percent slopes	2079D	Menfro-Urban land complex, 8 to 15 percent slopes
U308E	Alford-Urban land, complex, 15 to 25 percent slopes	2079E	Menfro-Urban land complex, 15 to 25 percent slopes
U161, U452, 2452A	Riley-Urban land complex	2183A	Shaffton-Urban land complex, 0 to 2 percent slopes, occasionally flooded, brief duration
U41	Muscatine-Urban land complex	2384B	Edwardsville-Urban land complex, 1 to 4 percent slopes

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
U308B	Alford-Urban land complex, 1 to 7 percent slopes	2477B	Winfield-Urban land complex, 2 to 8 percent slopes
455	Mixed alluvial Land	3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded, brief duration
70, W70	Beaucoup silty clay loam	3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
74, 76, 451	Otter silt loam	3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
71, 83, 138	Shiloh silty clay loam	3083L	Wabash silty clay, 0 to 2 percent slopes, frequently flooded, long duration
180, 333	Dupo silt loam	3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
71, 108, 333, 407	Bonnie silt loam	3288L	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
333, F333, V333, 382	Wakeland silt loam	3333A	Wakeland silt loam, 0 to to percent slopes, frequently flooded, brief duration
108, 334, C334, 406	Bonnie silt loam	3334L	Birds silt loam, 0 to 2 percent slopes, frequently flooded, long duration

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
331, F331	Haymond silt loam	3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
455	Mixed Alluvial Land	3391A	Blake silty clay loam, 0 to 2 percent slopes, frequently flooded, brief duration
455	Mixed Alluvial Land	3394A	Haynie silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
455	Mixed Alluvial Land	3394B	Haynie silt loam, 2 to 5 percent slopes, frequently flooded, brief duration
415	Orion silt loam	3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
333	Wakeland silt loam	3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded, brief duration
807	Aquents-Orthents complex	3847L	Fluvaquents-Orthents complex, frequently flooded, long duration
H308C	Alford soils, karst, 4 to 7 percent slopes	5079C	Menfro silt loam, karst, 5 to 12 percent slopes, severely eroded
H308D	Alford soils, karst, 7 to 15 percent	5079D	Menfro silt loam, karst, 12 to 25 percent slopes, severely eroded

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
H308F	Alford soils, karst, 15 to 30 percent slopes	5079G	Menfro silt loam, karst, 25 to 60 percent slopes
26, V48, V257A	Wagner silt loam	8026A	Wagner silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
70, C70	Beaucoup silty clay loam	8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded, brief duration
71, 71+, 83, 426	Darwin silty clay	8071L	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration
V16, 84, 84B, 426A	Okaw silt loam	8084A	Okaw silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
V109	Racoon Variant silt loam	109A	Racoon silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
338D, 338D2, 338D3, S338D	Hurst silty clay loam, sandy substratum, 7 to 12 slopes, severely eroded	8122C	Colp silty clay loam, 5 to 10 percent slopes, severely eroded, occasionally flooded, very brief duration

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
338E, 338E2, 338E3, S338E	Hurst silty clay loam, sandy substratum, 12 to 18 percent slopes, severely eroded	8122D	Colp silty clay loam, 10 to 18 percent slopes, severely eroded, occasionally flooded, very brief duration
131A, 131B, 131C2, 131D2, 131D3, 131E2, V131A, V131B, 174A, V178B, V184, V184B, V184C	Alvin fine sandy loam, 2 to 4 percent slopes	8131B	Alvin fine sandy loam, 2 to 5 percent slopes, occasionally flooded, very brief duration
162	Gorham silty clay loam	8162A	Gorham silty clay loam, 0 to 2 percent slopes, occasionally flooded, brief duration
28, 180, C180, 331, 333, 415	Dupo silt loam	8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
8452A, 452,	Riley silty clay loam	8183A	Shaffton clay loam, 0 to 2 percent slopes, occasionally flooded, brief duration
284	Tice silty clay loam	8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded, brief duration
88, 88A, 92B, 92C, 98, 98A, 304, 304A, 304B, 304C, 304D	Landes fine sandy loam, 1 to 6 percent slopes	8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded, brief duration

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
338A, V454, V454A	Hurst silt loam, 0 to 2 percent slopes	8338A	Hurst silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
338B, 338B2, 338B3, 426B, V454B	Hurst silt loam, 2 to 4 percent slopes, eroded	8338B	Hurst silt loam, 2 to 5 percent slopes, eroded, occasionally flooded, brief duration
338C, 338C2, 338C3, S338C, 426C, V454C	Hurst silty clay loam, 4 to 7 percent slopes	8338C	Hurst silty clay loam, 5 to 10 percent slopes, eroded, occasionally flooded, very brief duration
92	Sarpy sand	8394A	Haynie silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
132A, 132B, 149A, V178A, 242A, 242B	Starks silt loam, 0 to 2 percent slopes	8432A	Geff silt loam, 0 to 2 percent slopes, occasionally flooded, brief duration
134, 134A, 134B, 134B2, 134C2, 134D2, 134D3, 243A, 243C3	Camden silt loam, 2 to 4 percent slopes	8434B	Ridgway silt loam, 2 to 5 percent slopes, occasionally flooded, very brief duration
V81, 148, 148B, 190, 190A, 190B	Onarga finesandy loam, 1 to 4 percent slopes	8436B	Meadowbank silt loam, 2 to 5 percent slopes, occasionally flooded, very brief duration

SOIL CORRELATION OF ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
S338A, S338B, V338A	Hurst silt loam, sandy substratum, 0 to 2 percent slopes	8489A	Hurst silt loam, sandy substratum, 0 to 2 percent slopes, occasionally flooded, brief duration
V178A, 426	Karnak silty clay	8524L	Zipp silty clay, 0 to 2 percent slopes, occasionally flooded, long duration
590	Cairo silty clay	8591A	Fults silty clay, 0 to 2 percent slopes, occasionally flooded, brief duration
589	Bowdrie silty clay	8592A	Nameoki silty clay, 0 to 2 percent slopes, occasionally flooded, brief duration
408	Aquents, loamy	8646A	Fluvaquents, loamy, 0 to 2 percent slopes, occasionally flooded, brief duration
T308F, V338F, 338F, 338F2, 338F3, 338G	Alford-Hurst complex, 15 to 30 percent slopes	8812F	Typic Hapludalfs, 18 to 35 percent slopes, occasionally flooded, very brief duration

Series Established by this Correlation and County of Type Location:

Aviston (Washington Co.)	Fosterburg (St. Clair Co.)
Bethalto (Madison Co.)	Homen (Randolph Co.)
Biddle (St. Clair Co.)	Mascoutah (St. Clair Co.)
Bunkum (St. Clair Co.)	Millstadt (St. Clair Co.)
Caseyville (St. Clair Co.)	Pierron (Madison Co.)
Downsouth (St. Clair Co.)	Redbud (St. Clair Co.)
Edwardsville (Madison Co.)	Ruma (St. Clair Co.)
Floraville (St. Clair Co.)	

Series Dropped or Made Inactive: None

Verification of Exact Cooperator Names:

For the front cover, general soil map, and half-title page:

United States Department of Agriculture  
Natural Resources Conservation Service  
in Cooperation with  
Illinois Agricultural Experiment Station

The cooperators to be listed on the inside of the front cover are the same as those on the front cover and in addition state: "This soil survey update is part of the technical assistance provided to the St. Clair County Soil and Water Conservation District. Financial assistance was made available by the St. Clair County Board and the Illinois Department of Agriculture.

Prior Soil Survey Publication: The last soil survey of St. Clair County was completed in 1974 and published by the United States Department of Agriculture, Soil Conservation Service in October 1978. It is Illinois Agricultural Experiment Station Soil Report No. 104. Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the 1978 soil survey, provides additional data, updated soil interpretations and 1:12,000 scale soil maps on an orthophotographic base.

Instructions for Map Compilation and Map Finishing:

Map compilation and color checking was completed by the Belleville/Carbondale MLRA Update Office. Scanning of the soil maps has been contracted to a private vendor. The most recent county highway map and topographic maps were used for labeling cultural, natural and transportation features. Divided roads and other roads were labeled, but not drafted on the compiled maps.

Areas compiled as map unit 907D3 that were mapped as T308F and V338F will be converted to map unit 8812F during map finishing. Areas compiled as map unit 8122D that were mapped as 338F, 338F2, 338F3 and 338G will be converted to map unit 8812F during map finishing.

A record of field symbols that were converted to more than one publication symbol is being kept at the Carbondale MLRA Soil Survey Office.

Conventional and Special Symbols Legend:

Only those symbols indicated on the NRCS-SOILS-37A (7/96) will be shown on the legend and placed on the soil maps.

INSERT CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

DEFINITIONS OF SPECIAL FEATURES FOR  
ST. CLAIR COUNTY, ILLINOIS SOIL SURVEY

<u>Feature</u>	<u>Label</u>	<u>Feature Definition</u>
Escarpment, bedrock	ESB	A relatively continuous and steep slope or cliff produced by erosion or faulting breaking the general continuity of more gently sloping and surfaces. Exposed material is hard or soft bedrock.
Escarpment, other	ESO	A relatively continuous and steep slope or cliff produced by erosion, but can be produced by faulting, breaking the general continuity of more gently sloping land surfaces. Exposed material is nonbedrock.
Gravelly spot	GRA	Surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than 3 inches in diameter. Typically .5 to 3 acres.
Marsh or swamp	MAR	A water saturated, very poorly drained area, intermittently or permanently water-covered. Marsh areas are dominantly covered by sedges, cattails, and rushes. Swamps are dominantly covered by trees or shrubs. Not used in map units of poorly drained or very poorly drained soils. Typically .5 to 3 acres.
Mine or quarry	MPI	An open excavation from which soil and underlying material is removed exposing the bedrock. Also used to denote surface openings to underground mines. Typically .5 to 3 acres.
Rock outcrop	ROC	An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock. Typically .5 to 3 acres.
Sandy spot	SAN	Surface layer with sand content greater than 75 percent sand in areas where the surface layer of the named soils in the surrounding map unit have less than about 25 percent sand. Typically .5 to 3 acres.
Severely eroded spot	ERO	An area where on the average 75 percent or more of the original surface layer has been lost from accelerated erosion. Typically .5 to 3 acres.
Short, steep slope	SLP	Narrow soil area that has slopes that are at least 2 slope classes steeper than the slope class of the surrounding map unit.

<u>Feature</u>	<u>Label</u>	<u>Feature Definition</u>
Spoil area	SPO	Piles of earthy materials either smoothed or uneven resulting from human activity. Typically .5 to 3 acres.
Disturbed soil spot		An area that consists of earthfill from excavations or consists of soil material remaining from borrow areas. The area is capable of supporting plant life. The area may contain fragments of brick, glass, concrete, etc. Typically .5 to 3 acres.
Mine sink		A depression caused by subsidence of land due to underground mining. The middle of the depression is generally 1 to 5 feet lower in elevation than the surrounding area. Commonly wetter than the surrounding area. Typically .5 to 3 acres.

### General Soil Map Units

The General Soil Map will be generated using a Geographic Information System using the digitized detailed soil maps.

CONVERSION LEGEND FOR ST. CLAIR COUNTY, ILLINOIS -- MLRA 114/115B  
MAY 1997

Field symbol	Publi-cation symbol						
+V47	468A	T453A	437B	V127	466A	V453C	515C3
C70	8070A	T453B	437B	V127A	466A	V453C	884C3
C81	81A	T453C	437C2	V127B	466A	V453D	884C3
C180	8180A	T454	423A	V131A	8131B	V453D	515C3
C334	3334L	T454A	423A	V131B	8131B	V453D	515C2
F331	3336A	T454B	423B	V178A	8432A	V454	423A
F333	3333A	T454C	437C2	V178A	8524L	V454	8338A
H308C	5079C	T474	993A	V178B	8131B	V454A	8338A
H308D	5079D	T474	894A	V184	8131B	V454A	423A
H308F	5079G	T474	885A	V184B	8131B	V454B	423B
S308D	5C3	T474A	885A	V184C	8131B	V454B	8338B
S308D	5C2	T474A	894A	V248	1248A	V454C	8338C
S308E	5D3	T474A	993A	V257A	8026A	V454C	437C2
S338A	8489A	T581A	882A	V287	468A	V581A	882A
S338B	8489A	T581B	880B2	V287	385A	V581B	882B
S338C	8338C	T581B	882B	V308B	491B2	V581B	880B2
S338D	8122C	T581C	878C3	V308B	582B	V581C	878C3
S338E	8122D	T994A	882A	V308C	884C3	V581D	878C3
S453C	5C3	T994B	880B2	V308C	515C3	V962E	79D3
S453C	5C2	T994C	878C3	V308C	515C2	V962F	79F
S453D	5C3	U41	2384B	V308C	491C3	V962F	79F3
S454B	5C2	U71	2071L	V308D	491C3	V962G	79G
T16	433A	U161	2183A	V308D	515C2	V994A	882A
T43	466A	U308B	2477B	V308D	515C3	V994B	882B
T46	466A	U308C	2079D	V308E	491D3	V994B	880B2
T46+	466A	U308E	2079E	V308E	515D3	V994C	878C3
T47	468A	U452	2183A	V308F	886F3	V994D	878C3
T48	468A	U962F	962G	V308F	491D3	V999	897D3
T127A	466A	V16	8084A	V333	3333A	V999D	897D3
T127B	466A	V43	466A	V337	423B	V999E	897D3
T127B	437B	V46	466A	V337A	423A	V999F	886F3
T127C	437C2	V47	468A	V338A	8489A	V999G	886F3
T257A	466A	V47+	468A	V338B	906C3	W70	3070L
T257B	466A	V48	8026A	V338C	906C3	8E2	8F2
T258B	437B	V75	75B	V338D	907D3	8E3	8F2
T308B	437B	V75A	75B	V338E	907D3	8F	8F2
T308C	437C2	V75B	75B	V338F	8812F	8F2	8F2
T308D	907D3	V75C	75B	V453B	582B	8F3	8F2
T308E	907D3	V81	8436B	V453B	582B2	8G	8F2
T308F	8812F	V109	8109A	V453C	515C2	8G2	8F2

CONVERSION LEGEND FOR ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbol	Publi-cation symbol						
16	31A	75D	75B	128	441B	190B	8436B
16A	31A	75G2	962G	128A	441B		
16T	433A	76	3076A	128B	441B	242A	8432A
19E2	79D3	81	81A	128B	438B	242B	8432A
19E3	79D3	81B	81A	128B2	438B	243A	8434B
19F3	79F3	83	8071L	128B2	441B	243C3	8434B
19G	79G	83	3083L	128C	438C2	248	1248A
26	8026A	84	8084A	128C	441C2	257	113A
28	8180A	84B	8084A	128C2	441C2	257	90A
30D	962F2	88	8304B	128C2	438C2	257+	113A
30G	962G	88A	8304B	128D2	441C2	257+	90A
35E3	962F2	92	8394A	129	468A	257A	113A
35F	962F2	92B	8304B	131A	8131B	257A	90A
37C	37B	92C	8304B	131B	8131B	257B	90A
37D	37B	94G	79G	131C2	8131B	257B	113B
43	384A	98	8304B	131D2	8131B	257B2	113B
43+	384A	98A	8304B	131D3	8131B	257B2	90A
43A	384A	103	1071A	131E2	8131B	257C	283C2
43B	384B	108	1288A	132A	8432A	257C	438C2
43	46A	108	3288L	132B	8432A	257C2	438C2
43A	46A						
46	46A	108	3334L	134	8434B	257C2	283C2
46+	46A	110	466A	134A	8434B	258	113A
47	50A	127	384A	134B	8434B	258	90A
47	385A	127	46A	134B2	8434B	258A	90A
47+	385A	127A	46A	134C2	8434B	258A	113A
47+	50A	127A	384A	134D2	8434B	258B	283B
48	112A	127A+	384A	134D3	8434B	258B	113B
68	385A	127A+	46A	138	468A	258B2	113B
68A+	385A	127B	384B	138	3083L	258B2	283B
70	3070L	127B	438B	138+	468A	258C	283C2
70	8070A	127B	441B	148	8436B	258C2	283C2
71	8071L	127B2	438B	148B	8436B	258C2	438C2
71	3083L	127B2	384B	149A	8432A	258D2	438C2
71	3288L	127B2	441B			258D2	283C2
71	1071A	127C	441C2	162	8162A	284	8284A
71+	8071L	127C	438C2	174A	8131B	304	8304B
74	3076A	127C2	438C2	180	8180A	304A	8304B
75	75B	127C2	441C2	180	3180A	304B	8304B
75A	75B	127C3	441C2	190	8436B	304C	8304B
75C	75B	127C3	438C2	190A	8436B	304D	8304B

CONVERSION LEGEND FOR ST. CLAIR COUNTY, ILLINOIS --Continued

Field symbol	Publi-cation symbol						
308	477B	338B2	8338B	453B2	582B2	620B2	880B2
308	585F2	338B3	8338B	453B3	477B2	620C3	878C3
308A	582B	338C	8338C	453C	477C2	638	1071A
308A	477B	338C2	8338C	453C	582C2	801C	866
308B	491B2	338C3	8338C	453C2	477C2	801C	871B
308B	582B	338D	8122C	453C3	477C3	801C	824B
308B	79B	338D2	8122C	453D2	477C2	801C	825B
308B2	79B	338D3	8122C	453D3	477C3	801G	821G
308B2	491B2	338E	8122D	453E2	79D2	801G	871D
308C	79C2	338E2	8122D	454	517A	801G	871G
308C2	79C2	338E3	8122D	454A	517A	807	3847L
308C2	491C3	338F	8812F	454A	267A	962D3	79D3
308C3	491C3	338F2	8812F	454B	267B	962E	962F2
308C3	79C3	338F3	8812F	454B	517B	962E2	962F2
308D	79C2	338G	8812F	454B2	582B2	962E3	962F2
308D2	79C2	382	3333A	454B2	477B2	962F	962F2
308D2	491C3	403	468A	454B3	477B2	962F2	962F2
308D3	491C3	403+	468A	454B3	582B2	962F3	962F2
308D3	79C3	405	466A	454C2	582C2	962G	962G
308E	79D2	406	1288A			994A	882A
308E2	79D2	406	3334L	454C2	477C2	994B	882B
308E2	491D3	407	1288A	455	3038B	994B2	880B2
308E3	491D3	407	3288L	455	3394B	994C2	878C3
308E3	79D3	408	8646A	455	3391A	994C3	878C3
308F	79F	415	3415A	455	3394A	995	894A
308F2	79F3	415	8180A	474	993A	995A	894A
308F3	79F3	426	8071L	474	894A	999	585F2
308G	79G	426	8524L	474	885A	999D2	897D3
308G2	79G	426	1071A	474A	885A	999E2	897D3
331	8180A	426A	8084A	474A	894A	999E3	897D3
331	3336A	426B	8338B	474A	993A	999F2	886F3
333	3428A	426C	8338C	581A	882A	2452A	2183A
333	3333A	451	3076A	581B	882B	8452A	8183A
333	8180A	452	8183A	581B2	880B2		
		453	477B	581B3	880B2		
333	3180A	453A	477B	581C2	878C3		
333	3288L	453A	582B	581C3	878C3		
334	3334L	453B	582B	589	8592A		
338A	8338A	453B	477B	590	8591A		
338B	8338B	453B2	477B2	620A	882A		

ALPHABETIC LISTING OF SOIL MAP UNITS  
ON THE SOIL IDENTIFICATION LEGEND OF  
ST. CLAIR COUNTY, ILLINOIS

**SYMBOL SOIL MAP UNIT NAME**

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8131B	ALVIN FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES, OCCASIONALLY FLOODED, VERY BRIEF DURATION
438B	AVISTON SILT LOAM, 2 TO 5 PERCENT SLOPES
438C2	AVISTON SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
466A	BARTELSON SILT LOAM, 0 TO 2 PERCENT SLOPES
3070L	BEAUCOUP SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, LONG DURATION
8070A	BEAUCOUP SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION
90A	BETHALTO SILT LOAM, 0 TO 2 PERCENT SLOPES
3334L	BIRDS SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, LONG DURATION
5C2	BLAIR SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
5C3	BLAIR SILT LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED
5D3	BLAIR SILT LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED
3391A	BLAKE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION
515C2	BUNKUM SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
515C3	BUNKUM SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED
515D3	BUNKUM SILTY CLAY LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED
897D3	BUNKUM-ATLAS SILTY CLAY LOAMS, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED
884C3	BUNKUM-COULTERVILLE SILTY CLAY LOAMS, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED
267A	CASEYVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES
267B	CASEYVILLE SILT LOAM, 2 TO 5 PERCENT SLOPES
3428A	COFFEEN SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION
8122C	COLP SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED, OCCASIONALLY FLOODED, VERY BRIEF DURATION
8122D	COLP SILTY CLAY LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED, OCCASIONALLY FLOODED, VERY BRIEF DURATION
880B2	COULTERVILLE-DARMSTADT SILT LOAMS, 2 TO 5 PERCENT SLOPES, ERODED
878C3	COULTERVILLE-GRANTFORK SILTY CLAY LOAMS, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED
112A	COWDEN SILT LOAM, 0 TO 2 PERCENT SLOPES
993A	COWDEN-PIASA SILT LOAMS, 0 TO 2 PERCENT SLOPES
1071A	DARWIN SILTY CLAY LOAM, UNDRAINED, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
8071L	DARWIN SILTY CLAY, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, LONG DURATION
2071L	DARWIN-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, LONG DURATION
283B	DOWNSOUTH SILT LOAM, 2 TO 5 PERCENT SLOPES
283C2	DOWNSOUTH SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
75B	DRURY SILT LOAM, 2 TO 5 PERCENT SLOPES
536	DUMPS

**SYMBOL SOIL MAP UNIT NAME**

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866 DUMPS, SLURRY  
3180A DUPO SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION  
8180A DUPO SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
384A EDWARDSVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES  
384B EDWARDSVILLE SILT LOAM, 2 TO 5 PERCENT SLOPES  
2384B EDWARDSVILLE-URBAN LAND COMPLEX, 1 TO 4 PERCENT SLOPES  
433A FLORAVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES  
8646A FLUVAQUENTS, LOAMY, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
3847L FLUVAQUENTS-ORTHENTS COMPLEX, FREQUENTLY FLOODED, LONG DURATION  
8591A FULTS SILTY CLAY, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
8432A GEFF SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
8162A GORHAM SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
3394A HAYNIE SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION  
3394B HAYNIE SILT LOAM, 2 TO 5 PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION  
8394A HAYNIE SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
46A HERRICK SILT LOAM, 0 TO 2 PERCENT SLOPES  
894A HERRICK-BIDDLE-PIASA SILT LOAMS, 0 TO 2 PERCENT SLOPES  
8F2 HICKORY SILT LOAM, 18 TO 35 PERCENT SLOPES, ERODED  
582B HOMEN SILT LOAM, 2 TO 5 PERCENT SLOPES  
582B2 HOMEN SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED  
582C2 HOMEN SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED  
8338A HURST SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
8338B HURST SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED, OCCASIONALLY FLOODED, BRIEF DURATION  
8338C HURST SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, ERODED, OCCASIONALLY FLOODED, VERY BRIEF DURATION  
8489A HURST SILT LOAM, SANDY SUBSTRATUM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
468A LAKASKIA SILT LOAM, 0 TO 2 PERCENT SLOPES  
8304B LANDES VERY FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
871B LENZBURG GRAVELLY SILTY CLAY LOAM, 1 TO 7 PERCENT SLOPES, STONY  
871D LENZBURG GRAVELLY SILTY CLAY LOAM, 7 TO 18 PERCENT SLOPES, STONY  
871G LENZBURG GRAVELLY SILTY CLAY LOAM, 18 TO 70 PERCENT SLOPES, STONY  
825B LENZBURG SILTY CLAY LOAM, ACID SUBSTRATUM, 1 TO 7 PERCENT SLOPES  
81A LITTLETON SILT LOAM, 0 TO 2 PERCENT SLOPES  
517A MARINE SILT LOAM, 0 TO 2 PERCENT SLOPES  
517B MARINE SILT LOAM, 2 TO 5 PERCENT SLOPES  
385A MASCOUTAH SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES  
1248A MCFAIN SILTY CLAY LOAM, UNDRAINED, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED  
8436B MEADOWBANK SILT LOAM, 2 TO 5 PERCENT SLOPES, OCCASIONALLY FLOODED, VERY BRIEF DURATION

**SYMBOL SOIL MAP UNIT NAME**

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79B MENFRO SILT LOAM, 2 TO 5 PERCENT SLOPES  
79C2 MENFRO SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED  
79C3 MENFRO SILT CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED  
79D2 MENFRO SILT LOAM, 10 TO 18 PERCENT SLOPES, ERODED  
79D3 MENFRO SILTY CLAY LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED  
79F MENFRO SILT LOAM, 18 TO 35 PERCENT SLOPES  
79F3 MENFRO SILTY CLAY LOAM, 18 TO 35 PERCENT SLOPES, SEVERELY ERODED  
79G MENFRO SILT LOAM, 35 TO 60 PERCENT SLOPES  
5079C MENFRO SILT LOAM, KARST, 5 TO 12 PERCENT SLOPES, SEVERELY ERODED  
5079D MENFRO SILT LOAM, KARST, 12 TO 25 PERCENT SLOPES, SEVERELY ERODED  
5079G MENFRO SILT LOAM, KARST, 25 TO 60 PERCENT SLOPES  
2079D MENFRO-URBAN LAND COMPLEX, 8 TO 15 PERCENT SLOPES  
2079E MENFRO-URBAN LAND COMPLEX, 15 TO 25 PERCENT SLOPES  
423A MILLSTADT SILT LOAM, 0 TO 2 PERCENT SLOPES  
423B MILLSTADT SILT LOAM, 2 TO 5 PERCENT SLOPES  
821G MORRISTOWN VERY STONY SILTY CLAY LOAM, 35 TO 70 PERCENT SLOPES  
8592A NAMEOKI SILTY CLAY, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
585F2 NEGLEY LOAM, 18 TO 35 PERCENT SLOPES, ERODED  
113A OCONEE SILT LOAM, 0 TO 2 PERCENT SLOPES  
113B OCONEE SILT LOAM, 2 TO 5 PERCENT SLOPES  
882A OCONEE-DARMSTADT-COULTERVILLE SILT LOAMS, 0 TO 2 PERCENT SLOPES  
882B OCONEE-COULTERVILLE-DARMSTADT SILT LOAMS, 2 TO 5 PERCENT SLOPES  
8084A OKAW SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
3415A ORION SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION  
802B ORTHENTS, LOAMY, UNDULATING  
802D ORTHENTS, LOAMY, STEEP  
826D ORTHENTS, SILTY, ACID SUBSTRATUM, ROLLING  
801B ORTHENTS, SILTY, UNDULATING  
801D ORTHENTS, SILTY, STEEP  
3076A OTTER SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION  
3288L PETROLIA SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, LONG DURATION  
1288A PETROLIA SILTY CLAY LOAM, UNDRAINED, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED  
31A PIERRON SILT LOAM, 0 TO 2 PERCENT SLOPES  
865 PITS, GRAVEL  
864 PITS, QUARRIES  
109A RACoon SILT LOAM, 0 TO 2 PERCENT SLOPES  
8109A RACoon SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
437B REDBUD SILT LOAM, 2 TO 5 PERCENT SLOPES  
437C2 REDBUD SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED  
907D3 REDBUD-COLP SILTY CLAY LOAMS, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED  
906C3 REDBUD-HURST SILTY CLAY LOAMS, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED

**SYMBOL SOIL MAP UNIT NAME**

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8434B RIDGWAY SILT LOAM, 2 TO 5 PERCENT SLOPES, OCCASIONALLY FLOODED, VERY BRIEF DURATION  
3038B ROCHER LOAM, 2 TO 5 PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION  
491B2 RUMA SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES, ERODED  
491C3 RUMA SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED  
491D3 RUMA SILTY CLAY LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED  
886F3 RUMA-URSA SILTY CLAY LOAMS, 18 TO 35 PERCENT SLOPES, SEVERELY ERODED  
8183A SHAFFTON CLAY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
2183A SHAFFTON-URBAN LAND COMPLEX, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
824B SWANWICK SILTY CLAY LOAM, 1 TO 5 PERCENT SLOPES  
962F2 SYLVAN-BOLD SILT LOAMS, 18 TO 35 PERCENT SLOPES, ERODED  
962G SYLVAN-BOLD SILT LOAMS, 35 TO 60 PERCENT SLOPES  
8284A TICE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
8812F TYPIC HAPLUDALFS, 18 TO 35 PERCENT SLOPES, OCCASIONALLY FLOODED, VERY BRIEF DURATION  
533 URBAN LAND  
50A VIRDEN SILT LOAM, 0 TO 2 PERCENT SLOPES  
885A VIRDEN-FOSTERBURG SILT LOAMS, 0 TO 2 PERCENT SLOPES  
3083L WABASH SILTY CLAY, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, LONG DURATION  
8026A WAGNER SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, BRIEF DURATION  
3333A WAKELAND SILT LOAM, 0 TO TO PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION  
441B WAKENDA SILT LOAM, 2 TO 5 PERCENT SLOPES  
441C2 WAKENDA SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED  
3336A WILBUR SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED, BRIEF DURATION  
477B WINFIELD SILT LOAM, 2 TO 5 PERCENT SLOPES  
477B2 WINFIELD SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED  
477C2 WINFIELD SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED  
477C3 WINFIELD SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED  
2477B WINFIELD-URBAN LAND COMPLEX, 2 TO 8 PERCENT SLOPES  
37A WORTHEN SILT LOAM, 0 TO 2 PERCENT SLOPES  
37B WORTHEN SILT LOAM, 2 TO 5 PERCENT SLOPES  
8524L ZIPP SILTY CLAY, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED, LONG DURATION

# CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

Laboratory Data from NSSL. SCS-SOI-8s have been completed.

## 1. PEDONS SAMPLED FOR ST. CLAIR, COUNTY SOIL SURVEY, A SUBSET OF MLRA 114 AND 115B.

<u>Sampled As</u>	<u>Pedon #</u>	<u>1962 Symbol</u>	<u>1978 Symbol</u>	<u>County</u>	<u>Approved</u>
HUEY	91P-161-910-922	120		CLINTON	HUEY
DARMSTADT	91P-162-923-931	620A		CLINTON	DARMSTADT
DARMSTADT	91P-163-932-940	620A		CLINTON	DARMSTADT
DARMSTADT	91P-164-941-949	620A		WASHINGTON	DARMSTADT
OCONEE	91P-165-950-957	113A		WASHINGTON	OCONEE
COULTERVILLE	91P-166-958-965	621A		WASHINGTON	
	COULTERVILLE				
DARMSTADT	91P-168-974-982	V581B	620A	ST. CLAIR	DARMSTADT
PIASA(ACID)	91P-169-983-990	474	474	ST. CLAIR	COWDEN
PIASA	91P-170-991-999	474	474	ST. CLAIR	BIDDLE

NOTE: for these pedons, 9 other subsamples were collected for limited lab data in the same area as part of the Sodium Study

## 2. PEDONS SAMPLED FOR GLACIAL LAKE KASKASKIA STUDY, PART 1, ST. CLAIR COUNTY 1992.

<u>Sampled As</u>	<u>Pedon #</u>	<u>1962 Symbol</u>	<u>1978 Symbol</u>	<u>County</u>	<u>Approved</u>
ALFORD	92P-578-3372-3383	308B	308B	ST. CLAIR	RUMA
IVA(T)	92P-579-3384-3399	T454A	454A	ST. CLAIR	MILLSTADT
VIRDEN(T)	92P-580-3400-3412	T47	50	ST. CLAIR	LAKASKIA
OKAW	92P-581-3413-3429	84	84	ST. CLAIR	OKAW
IVA(T)	92P-582-3430-3442	T454A	454A	ST. CLAIR	MILLSTADT
HERRICK(T)	92P-583-3443-3453	T127A	46	ST. CLAIR	BARTELSON
HERRICK	92P-584-3454-3465	257A	46	ST. CLAIR	VIRDEN
HERRICK(T)	92P-585-3466-3477	110	46	ST. CLAIR	FLORAVILLE
WEIR(T)	92P-586-3478-3491	T16	165	ST. CLAIR	FLORAVILLE

## 3. PEDONS SAMPLED FOR GLACIAL LAKE KASKASKIA STUDY, PART 2, CLINTON COUNTY 1993.

<u>Sampled As</u>	<u>Pedon #</u>	<u>1962 Symbol</u>	<u>1978 Symbol</u>	<u>County</u>	<u>Approved</u>
OCONEE	94P-261-1568-1582	916A		CLINTON	BIDDLE
COWDEN	94P-262-1583-1596	112		CLINTON	COWDEN
MUREN	94P-263-1597-1608	453B2		CLINTON	HOMEN
NEGLEY	94P-264-1609-1621	8D3		CLINTON	NEGLEY
RIDGWAY	94P-265-1622-1635	7434B2		CLINTON	RUMA
HURST	94P-266-1636-1648	7338A		CLINTON	HURST
LAKASKIA	94P-267-1649-1658	7468		CLINTON	LAKASKIA
RIDGWAY	94P-268-1659-1674	7434B2		CLINTON	RIDGWAY
WAGNER	94P-269-1675-1687	7026		CLINTON	WAGNER
RACoon	94P-270-1688-1699	8109		CLINTON	RACoon
COULTERVILLE	94P-271-1700-1709	V453C3	308C3	ST. CLAIR	
	COULTERVILLE				
GRANTFORK	94P-272-1710-1719	V453C3	308C3	ST. CLAIR	
	COULTERVILLE				
BUNKUM	94P-273-1720-1730	V453C3	308C3	ST. CLAIR	BUNKUM

REDBUD

94P-274-1731-1742 T453A

308B

ST. CLAIR

REDBUD

Notes to Accompany the Classification and Correlation  
of the Soils of St. Clair County, Illinois  
by Sameul J. Indorante, Randy A. Leeper and Gary R. Struben, May 1997

- ALVIN SERIES                    The typical pedon is from St. Clair County, Illinois. These areas were correlated as Martinsville in the 1978 published soil survey report of St. Clair County and as Alvin, Alvin Variant, Cowling, Roby, and Ruark on the 1962 maps.
- ATLAS SERIES                    The typical pedon is from Monroe County, Illinois. These areas were mapped as Alford-Hickory complex in the 1978 published soil survey report of St. Clair County and on the 1962 maps.
- AVISTON SERIES                The AVISTON series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more that were formerly included in mapping with the Harrison soils. These areas were mapped as Tama and Herrick in the 1978 published soil survey report of St. Clair County and as Harrison, Clarksdale, Sicily and Douglas on the 1962 maps.
- BARTELSON SERIES            The typical pedon is from Clinton County, Illinois (OSD). These areas were mapped as Herrick in the 1978 published soil survey report of St. Clair County and as terrace variants of Ipava, Herrick, Harrison and Clarksdale and Vennedy soils and unnamed soils in map unit 405 on the 1962 maps.
- BEAUCOUP SERIES            The typical pedon is from Monroe County, Illinois.
- BETHALTON SERIES            The BETHALTON series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more that were formerly included in mapping with the Atterberry soils. These areas were mapped as Atterberry in the 1978 published soil survey report of St. Clair County and as Clarksdale and Sicily soils on the 1962 maps.
- BIDDLE SERIES                The BIDDLE series is established by this correlation for soils that have a concentration of exchangeable sodium between 5 and 15 percent that were formerly included in mapping with the Herrick and Piasa soils.
- BIRDS SERIES                 The typical pedon is from Madison County, Illinois. These areas were mapped as Bonnie in the 1978 published soil survey report of St. Clair County and as Bonnie, Birds and unnamed soils in map unit 406 on the 1962 maps.

BLAIR SERIES	The typical pedon is from Perry County, Illinois(OSD). These areas were mapped as Alford in the 1978 published soil survey report of St. Clair County and as sandy substratum variants of Alford, Muren and Iva on the 1962 maps.
BLAKE SERIES	The typical pedon is from Randolph County, Illinois. These areas were mapped as mixed alluvial land on the 1962 maps.
BOLD SERIES	The typical pedon is from Madison County, Illinois. These areas were mapped as Sylvan-Bold in the 1978 published soil survey report of St. Clair County and as Sylvan, Bold and Hamburg soils on the 1962 maps.
BUNKUM SERIES	The BUNKUM series is established by this correlation for soils formed in 24 to 60 inches of loess and the underlying silty pediments that were formerly included in mapping with Variants of the Alford and Muren soils.
CASEYVILLE SERIES	The CASEYVILLE series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more and have more smectite clay minerals than illite clay minerals. These soils were formerly included in mapping with the Stronghurst and Iva soils.
COFFEEN SERIES	The typical pedon is from Randolph County, Illinois. These areas were mapped as Wakeland in the 1978 published soil survey report of St. Clair County.
COLP SERIES	The typical pedon is from Monroe County, Illinois (OSD). These areas were mapped as Hurst in the 1978 published soil survey report of St. Clair County and as Hurst and Alford-Hurst on the 1962 maps.
COULTERVILLE SERIES	The typical pedon is from Monroe County, Illinois (OSD). These areas were mapped as Darmstadt in the 1978 published soil survey report of St. Clair County and as Tamalco, Tamalco Variant, Darmstadt, and Oconee-Tamalco on the 1962 maps.
COWDEN SERIES	The typical pedon is from Montgomery County, Illinois (OSD). These areas were mapped as Ebbert in the 1978 published soil survey report of St. Clair County and as Ebbert and Piasa on the 1962 maps.

- DARMSTADT SERIES** The typical pedon is from St. Clair County, Illinois (OSD). These areas were mapped as Darmstadt in the 1978 published soil survey report of St. Clair County and as Tamalco, Tamalco Variant, Darmstadt, and Oconee-Tamalco on the 1962 maps.
- DARWIN SERIES** The typical pedon is from Madison County, Illinois. These areas were mapped as Darwin in the 1978 published soil survey report of St. Clair County and as Darwin, Wabash, and Houghton on the 1962 maps.
- DOWNSOUTH SERIES** The DOWNSOUTH series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more that were formerly included in mapping with the Downs soils.
- DRURY SERIES** The typical pedon is from Monroe County, Illinois. These areas were mapped as Fayette in the 1978 published soil survey report of St. Clair County and as Drury and Drury Variant on the 1962 maps.
- DUPO SERIES** The typical pedon is from Randolph County, Illinois (OSD). The OSD type location was moved from Johnson County, Illinois to a more central site for the series extent. The dual mineralogy class was added with this revision. These areas were mapped as Dupo in the 1978 published soil survey report of St. Clair County and as parts of Wakeland, Haymond, Orion, Jules and Dupo on the 1962 maps.
- EDWARDSVILLE SERIES** The EDWARDSVILLE series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more and have an argillic horizon that were formerly mapped as taxadjuncts of the Muscatine series. These areas were mapped as Muscatine and Tama in the 1978 published soil survey report of St. Clair County and as Harrison and Ipava on the 1962 maps.
- FLORAVILLE SERIES** The FLORAVILE series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more that were formerly included in mapping with the terrace variant of Rushville soils.
- FOSTERBURG SERIES** The FOSTERBURG series is established by this correlation for soils that have a concentration of exchangeable sodium between 5 and 15 percent that were formerly included in mapping with the Virden and Piasa soils.

FULTS SERIES	The typical pedon is from Monroe County, Illinois (OSD). The OSD type location was moved from Randolph County and the family classification changed from clayey over loamy to fine based on lab data from several pedons and associated soils. These areas were mapped as Darwin Variant in the 1978 published soil survey report of St. Clair County and as Cairo on 1962 maps.
GEFF SERIES	The typical pedon is from Clinton County, Illinois. These areas were mapped as Martinsville in the 1978 published soil survey report of St. Clair County and as Starks on 1962 maps.
GORHAM SERIES	The typical pedon is from Jackson County, Illinois (OSD).
GRANTFORK SERIES	The typical pedon is from Madison County, Illinois (OSD). These areas were mapped as Darmstadt in the 1978 published soil survey report of St. Clair County and as Tamalco, Tamalco Variant, Darmstadt, and Oconee-Tamalco on the 1962 maps.
HAYNIE SERIES	The typical pedon is from Randolph County, Illinois. These areas were mapped as Sarpy and as mixed alluvial land on the 1962 maps. The Sarpy areas were correlated as Landes and the mixed alluvial land was correlated as Udifluvents, loamy in the 1978 published soil survey report of St. Clair County
HERRICK SERIES	The typical pedon is from St. Clair County, Illinois. These areas were mapped as Herrick, Muscatine and Herrick-Piasa in the 1978 published soil survey report of St. Clair County and as Herrick, Harrison, Ipava, Piasa, and Herrick-Piasa on the 1962 maps.
HICKORY SERIES	The typical pedon is from Bond County, Illinois (OSD).
HOMEN SERIES	The HOMEN series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more that formed in 40 to 80 inches of loess and the underlying silty pediments. These soils were formerly mapped as Hosmer, Muren and Rozetta soils. These areas were mapped as Fayette and Alford in the 1978 published soil survey report of St. Clair County and as Alford, Muren, and variants of these series on the 1962 maps.

HURST SERIES	The typical pedon is from Williamson County, Illinois (OSD). These areas were mapped as Hurst. Iva Variants and Karnak, terrace phases, on the 1962 soil maps.
LAKASKIA SERIES	The typical pedon is from Clinton County, Illinois (OSD). These areas were mapped as Virden and Ebbert in the 1978 published soil survey report of St. Clair County and as variants of Virden, Ebbert, Chauncey, and Ipava and as Bonpas and Shiloh soils on the 1962 maps.
LANDES SERIES	The typical pedon is from Monroe County, Illinois. These areas were mapped as Ade, Landes-Sarpy, Sarpy, and Sparta on the 1962 soil maps.
LENZBURG SERIES	The typical pedon is from Randolph County, Illinois (OSD). These areas were mapped as Orthents, silty in the 1978 published soil survey report of St. Clair County and on the 1962 maps.
LITTLETON SERIES	The typical pedon is from St. Clair County, Illinois. Some areas of Dupo and Orion were split out from what was mapped as Littleton in the 1978 published soil survey report of St. Clair County based on the 1962 maps.
MCFAIN SERIES	The typical pedon is from St. Clair, Illinois. These areas were mapped as Beaucoup in the 1978 published soil survey report of St. Clair County and as McFain on the 1962 maps.
MARINE SERIES	The typical pedon is from Madison County, Illinois (OSD). These areas were mapped as Iva in the southeast part of the county in the 1978 published soil survey report of St. Clair County and on the 1962 maps.
MASCOUTAH SERIES	The MASCOUTAH series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more that were formerly mapped as Sable soils. These areas were mapped as Sable and Virden in the 1978 published soil survey report of St. Clair County and as Virden, Sable and Chauncey Variant on the 1962 maps.
MEADOWBANK SERIES	The typical pedon is from Clinton County, Illinois. These areas were mapped as Onarga in the 1978 published soil survey report of St. Clair County and as Littleton Variant, Proctor and Onarga on the 1962 maps.

MENFRO SERIES	The typical pedon is from St. Clair County, Illinois. These areas were mapped as Fayette in the 1978 published soil survey report of St. Clair County and as Alford on the 1962 maps.
MILLSTADT SERIES	The MILLSTADT series is established by this correlation for soils formerly mapped as terrace variants of the Iva series that formed in 36 to 70 inches of loess and the underlying lacustrine sediments.
MORRISTOWN SERIES	The typical pedon is from Perry County, Illinois. These areas were mapped as Orthents, silty in the 1978 published soil survey report of St. Clair County and on the 1962 maps.
NAMEOKI SERIES	The typical pedon is from Madison County, Illinois (OSD). The type location was moved to a new site in Madison County because the original site is covered by a subdivision. These areas were mapped as Parkville in the 1978 published soil survey report of St. Clair County and as Bowdrie on the 1962 maps.
NEGLEY SERIES	The typical pedon is from Madison County, Illinois. These areas were mapped as Alford and Alford-Hickory in the 1978 published soil survey report of St. Clair County and on the 1962 maps.
OCONEE SERIES	The typical pedon is from Madison County, Illinois (OSD). These areas were mapped as Atterberry and Herrick in the 1978 published soil survey report of St. Clair County and as Clarksdale and Sicily on the 1962 maps
OKAW SERIES	The typical pedon is from Jackson County, Illinois (OSD). These areas were mapped as Okaw in the 1978 published soil survey report of St. Clair County and as Rushville Variant and Okaw on the 1962 maps
ORION SERIES	The typical pedon is from Madison County, Illinois. These areas were mapped as Littleton in the 1978 published soil survey report of St. Clair County and as Orion on the 1962 maps
OTTER SERIES	The typical pedon is from St. Clair County, Illinois. These areas were mapped as Otter in the 1978 published soil survey report of St. Clair County and as Otter, Lawson and Radford on the 1962 maps.

PETROLIA SERIES	The typical pedon is from Clinton County, Illinois (OSD). These areas were mapped as Bonnie in the 1978 published soil survey report of St. Clair County and as Bonnie and parts of unnamed map units 406 and 407 along the Kaskaskia River and Silver Creek on the 1962 maps.
PIASA SERIES	The typical pedon is from Montgomery County, Illinois (OSD). These areas were mapped as Piasa and Piasa-Herrick in the 1978 published soil survey report of St. Clair County and on the 1962 maps.
PIERRON SERIES	The PIERRON series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more that were formerly mapped as Rushville soils.
RACCOON SERIES	The typical pedon is from Saline County, Illinois (OSD). These areas were mapped as Bonnie in the 1978 published soil survey report of St. Clair County and as Bonnie, Racoon and Racoon Variant on the 1962 maps.
REDBUD SERIES	The REDBUD series is established by this correlation for soils that formed in 36 to 70 inches of loess and the underlying lacustrine sediments that were formerly mapped as terrace variants of the Muren and Alford soils. These areas were mapped as Alford and Alford-Hurst in the 1978 published soil survey report of St. Clair County and as terrace variants of Alford, Muren, Iva, Harrison and Alford-Hurst on the 1962 maps.
RIDGWAY SERIES	The typical pedon is from Clinton County, Illinois. These areas were mapped as Martinsville in the 1978 published soil survey report of St. Clair County and as Camden and St. Charles on the 1962 maps.
ROCHER SERIES	The typical pedon is from Randolph County, Illinois (OSD). These areas were mapped as Udifluvents, loamy in the 1978 published soil survey report of St. Clair County and as mixed alluvial land on the 1962 maps.
RUMA SERIES	The RUMA series is established by this correlation for soils with a mean annual soil temperature of 56 degrees F. or more and a base saturation of more than 60 percent at the critical depth. These soils were formerly mapped as Alford, Fayette and Pike series.

SHAFFTON SERIES	The typical pedon is from Monroe County, Illinois. These areas were mapped as Riley in the 1978 published soil survey report of St. Clair County and as Riley and Newart on the 1962 maps.
SWANLICK SERIES	This soil is a taxadjunct in St. Clair County because it averages more than 35 percent clay in the particle-size control section.
SYLVAN SERIES	The typical pedon is from St. Clair County, Illinois. These areas were mapped as Sylvan-Bold in the 1978 published soil survey report of St. Clair County and as Sylvan, Bold and Hamburg soils on the 1962 maps.
TICE SERIES	The typical pedon is from Monroe County, Illinois. These areas were mapped as Gorham in the 1978 published soil survey report of St. Clair County and as Tice on the 1962 maps.
URSA SERIES	The typical pedon is from St. Clair County, Illinois. These areas were mapped as Alford-Hickory in the 1978 published soil survey report of St. Clair County and on the 1962 maps.
VIRDEN SERIES	The typical pedon is from St. Clair County, Illinois.
WABASH SERIES	The typical pedon is from Clinton County, Illinois. These areas were mapped as Darwin and Shiloh in the 1978 published soil survey report of St. Clair County and as Darwin, Shiloh and Wabash on the 1962 maps.
WAGNER SERIES	The typical pedon is from Jersey County, Illinois (OSD). These areas were mapped as Herrick, Ebbert and Okaw in the 1978 published soil survey report of St. Clair County and as Wagner, Ebbert Variant and Clarksdale Variant on the 1962 maps.
WAKENDA SERIES	The typical pedon is from St. Clair County, Illinois. These areas were mapped as Tama in the 1978 published soil survey report of St. Clair County and as Harrison and Douglas on the 1962 maps. The soils in map unit 441C2 do not have a mollic epipedon and are taxadjuncts to the Wakenda Series.
WILBUR SERIES	The typical pedon is from Monroe County, Illinois. These areas were mapped as Haymond in the 1978 published soil survey report of St. Clair County and as Haymond and Haymond Variant on the 1962 maps.

WINFIELD SERIES

The typical pedon is from St. Clair County, Illinois. These areas were mapped as Fayette in the 1978 published soil survey report of St. Clair County and as Muren on the 1962 maps.

WORTHEN SERIES

The typical pedon is from St. Clair County, Illinois.

ZIPP SERIES

The typical pedon is from St. Clair County, Illinois. These areas were mapped as Karnak in the 1978 published soil survey report of St. Clair County and on the 1962 maps.

SOIL SURVEY ST. CLAIR COUNTY, ILLINOIS -- MLRA 114/115B  
MAY, 1997

CLASSIFICATION OF THE SOILS

An asterick in the first column indicates that the soil is a taxadjunct to the series. See "Notes to Accompany the Classification and Correlation of the Soils of St. Clair County, Illinois" for a description of those characteristics of the soil that are outside the range of the series.

Soil name	Family or higher taxonomic class
Alvin-----	Coarse-loamy, mixed, mesic Typic Hapludalfs
Atlas-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Aviston-----	Fine-silty, mixed, mesic Oxyaquic Argiudolls
Bartelso-----	Fine, mixed, mesic Aquertic Argiudolls
Beaucoup----	Fine-silty, mixed, mesic Fluvaquentic Endoaquolls
Bethalto-----	Fine-silty, mixed, mesic Udollic Endoaqualfs
Biddle-----	Fine, smectitic, mesic Aquertic Argiudolls
Birds-----	Fine-silty, mixed, nonacid, mesic Typic Fluvaquents
Blair-----	Fine-silty, mixed, mesic Aquic Hapludalfs
Blake-----	Fine-silty, mixed, calcareous, mesic Aquic Udifluvents
Bold-----	Coarse-silty, mixed, calcareous, mesic Typic Udorthents
Bunkum-----	Fine-silty, mixed, mesic Aquic Hapludalfs
Caseyville----	Fine-silty, mixed, mesic Aeric Endoaqualfs
Coffeen-----	Coarse-silty, mixed, mesic Fluvaquentic Hapludolls
Colp-----	Fine, smectitic, mesic Aquertic Chromic Hapludalfs
Coulterville--	Fine-silty, mixed, mesic Aeric Epiaqualfs
Cowden-----	Fine, smectitic, mesic Vertic Albaqualfs
Darmstadt---	Fine-silty, mixed, mesic Albic Natraqualfs
Darwin-----	Fine, smectitic, mesic Vertic Endoaquolls
Downsouth--	Fine-silty, mixed, mesic Oxyaquic Hapludalfs
Drury-----	Fine-silty, mixed, mesic Dystric Eutrochrepts
Dupo-----	Coarse-silty over clayey, mixed over smectitic, nonacid, mesic Aquic Udifluvents
Edwardsville-	Fine-silty, mixed, mesic Aquic Argiudolls
Floraville----	Fine, smectitic, mesic Chromic Vertic Albaqualfs
Fluvaquents,	
loamy-----	Loamy, mixed, mesic Fluvaquents
Fosterburg---	Fine, smectitic, mesic Vertic Argiaquolls

SOIL SURVEY ST. CLAIR COUNTY, ILLINOIS -- MLRA 114/115B  
MAY 1997

CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Fulfs-----	Fine, smectitic, mesic Vertic Endoaquolls
Geff-----	Fine-silty, mixed, mesic Aquic Hapludalfs
Gorham-----	Fine-silty, mixed, mesic Fluvaquentic Endoaquolls
Grantfork-----	Fine-loamy, mixed, mesic Aeric Epiaqualfs
Haynie-----	Coarse-silty, mixed, calcareous, mesic Mollic Udifluvents
Herrick-----	Fine, smectitic, mesic Aquertic Argiudolls
Hickory-----	Fine-loamy, mixed, mesic Typic Hapludalfs
Homen-----	Fine-silty, mixed, mesic Oxyaquic Hapludalfs
Hurst-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Lakaskia-----	Fine, mixed, mesic Vertic Argiaquolls
Landes-----	Coarse-loamy, mixed, mesic Fluventic Hapludolls
Lenzburg-----	Fine-loamy, mixed, calcareous, mesic Typic Udorthents
Littleton-----	Fine-silty, mixed, mesic Aquic Cumulic Hapludolls
Marine-----	Fine, smectitic, mesic Aeric Vertic Albaqualfs
Mascoutah---	Fine-silty, mixed, mesic Typic Endoaquolls
McFain-----	Clayey over loamy, smectitic, mesic Fluvaquentic Endoaquolls
Meadowbank	Fine-silty, mixed, mesic Typic Argiudolls
Menfro-----	Fine-silty, mixed, mesic Typic Hapludalfs
Millstadt-----	Fine-silty, mixed, mesic Aeric Epiaqualfs
Morristown---	Loamy-skeletal, mixed, calcareous, mesic Typic Udorthents
Nameoki-----	Fine, smectitic, mesic Aquertic Hapludolls
Negley-----	Fine-loamy, mixed, mesic Typic Paleudalfs
Oconee-----	Fine, smectitic, mesic Udollic Epiaqualfs
Okaw-----	Fine, smectitic, mesic Chromic Vertic Albaqualfs
Orion-----	Coarse-silty, mixed, nonacid, mesic Aquic Udifluvents
Orthents, loamy-----	Fine-loamy, mixed, nonacid, mesic Typic Udorthents
Orthents, silty-----	Fine-silty, mixed, nonacid, mesic Aquic Udorthents
Orthents, silty, acid substratum--	Fine-silty, mixed, nonacid, mesic Aquic Udorthents
Otter-----	Fine-silty, mixed, mesic Cumulic Endoaquolls

SOIL SURVEY ST. CLAIR COUNTY, ILLINOIS -- MLRA 114/115B  
MAY 1997

CLASSIFICATION OF THE SOILS--Continued

Soil name	Family or higher taxonomic class
Petrolia-----	Fine-silty, mixed, nonacid, mesic Typic Fluvaquents
Piasa-----	Fine, smectitic, mesic Vertic Natraqualfs
Pierron-----	Fine, smectitic, mesic Chromic Vertic Albaqualfs
Racoon-----	Fine-silty, mixed, mesic Typic Endoaqualfs
Redbud-----	Fine-silty, mixed, mesic Oxyaquic Hapludalfs
Ridgway-----	Fine-silty, mixed, mesic Typic Hapludalfs
Rocher-----	Coarse-loamy, mixed, calcareous, mesic Typic Udifluvents
Ruma-----	Fine-silty, mixed, mesic Typic Hapludalfs
Shaffton-----	Fine-loamy, mixed, mesic Fluvaquentic Hapludolls
*Swanwick---	Fine-silty, mixed, nonacid, mesic Oxyaquic Udorthents
Sylvan-----	Fine-silty, mixed, mesic Typic Hapludalfs
Tice-----	Fine-silty, mixed, mesic Fluvaquentic Hapludolls
Typic	
Hapludalfs--	Typic Hapludalfs
Ursa-----	Fine, smectitic, mesic Chromic Vertic Hapludalfs
Virden-----	Fine, smectitic, mesic Vertic Argiaquolls
Wabash-----	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Wagner-----	Fine, smectitic, mesic Vertic Albaqualfs
Wakeland----	Coarse-silty, mixed, nonacid, mesic Aeric Fluvaquents
Wakenda----	Fine-silty, mixed, mesic Typic Argiudolls
Wilbur-----	Coarse-silty, mixed, mesic Fluvaquentic Eutrochrepts
Winfield-----	Fine-silty, mixed, mesic Oxyaquic Hapludalfs
Worthen-----	Fine-silty, mixed, mesic Cumulic Hapludolls
Zipp-----	Fine, mixed, nonacid, mesic Vertic Endoaquepts

Certifications:

The Soil Survey Area 11 Team Leader certifies that:

1. Interpretations and ratings in St. Clair County have been coordinated with soil surveys in MLRA's 114 and 115B.
2. Typical pedons were selected on an MLRA-wide basis and are correct and are within delineations using that reference name
3. All typical pedons are classified according to Soil Taxonomy.
4. Soil maps have been reviewed for completeness, accuracy, and consistency.
5. This soil survey joins adjacent published modern soil surveys. Joining has been checked with the published detailed soil maps as a subset of MLRA's 114 and 115B

This survey area joins the following survey areas:

Clinton County, Illinois (Modern survey completed, not published)  
Madison County, Illinois (Published)  
Monroe County, Illinois (Published, but currently being updated)  
Randolph County, Illinois (Published)  
Washington County, Illinois (Modern survey completed, not published)  
St. Louis County and St. Louis City Missouri (Published)

**APPROVAL SIGNATURE**

May 1997

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Travis Neely  
Soil Survey Area 11 Team Leader  
Indianapolis, Indiana

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State Conservationist  
Champaign, Illinois