UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CLASSIFICATION AND CORRELATION OF THE SOILS OF SANGAMON COUNTY, ILLINOIS

A SUBSET OF MLRA's 108B, 114, AND 115C

This correlation was prepared by Jim Hornickel, Subset Leader, and Gary Struben, Soil Data Quality Specialist, from a Pre-correlation Conference that was conducted July 20-22, 1998 and a Final Correlation Conference that was conducted June 15-16, 1999. Other participants were Bob Tegeler, MLRA Project Leader, Steve Elmer, MLRA Project Leader; Jerry Berning, Resource Soil Scientist; Ken Gotsch, Resource Soil Scientist; Bill Teater, Soil Scientist; Dave Preloger, Soil Scientist; John Ford, Soil Conservationist; and Lashunda Anderson, Soil Conservationist Aid. Decisions made then were based on the descriptive legend, published soil survey, field notes and transect data, special studies, laboratory data, and NASIS database.

Headnote for Detailed Soil Survey Legend

Map symbols consist of numbers, or a combination of numbers and letters. The initial numbers represent the kind of soil. A capital letter following those numbers indicates the class of slope. 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 3 indicates that it is severely eroded.

Soil Correlation Of SANGAMON COUNTY, ILLINOIS

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
8D	Hickory loam, 10 to 18 percent slopes	8D	Hickory silt loam, 10 to 18 percent slopes
8E ***(1)***	HICKORY SILT LOAM, 12 TO 18 PERCENT SLOPES	8D	Hickory silt loam, 10 to 18 percent slopes
8D2	Hickory loam, 10 to 18 percent slopes, eroded	8D2	Hickory loam, 10 to 18 percent slopes, eroded
8E ***(2)***	HICKORY SILT LOAM, 12 TO 18 PERCENT SLOPES	8D2	Hickory loam, 10 to 18 percent slopes, eroded
8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded	8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8D3	HICKORY CLAY LOAM, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED	8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8E3	HICKORY CLAY LOAM, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED	8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8F ***(3***	HICKORY SILT LOAM, 18 TO 50 PERCENT SLOPES	8F	Hickory silt loam, 18 to 35 percent slopes
8F	Hickory silt loam, 18 to 35 percent slopes	8F	Hickory silt loam, 18 to 35 percent slopes
8F ***(4)***	HICKORY SILT LOAM, 18 TO 50 PERCENT SLOPES	8G	Hickory silt loam, 35 to 60 percent slopes
8G	Hickory silt loam, 35 to 60 percent slopes	8G	Hickory silt loam, 35 to 60 percent slopes
17 ***(5)***	KEOMAH SILT LOAM	17A	Keomah silt loam, 0 to 2 percent slopes
17A	Keomah silt loam, 0 to 2 percent slopes	17A	Keomah silt loam, 0 to 2 percent slopes
36B ***(10)***	TAMA SILT LOAM, 2 TO 4 PERCENT SLOPES	36B	Tama silt loam, 2 to 5 percent slopes
36B	Tama silt loam, 2 to 5 percent slopes	36B	Tama silt loam, 2 to 5 percent slopes
36C2	Tama silt loam, 5 to 10 percent slopes, eroded	36C2	Tama silt loam, 5 to 10 percent slopes, eroded
36C2 ***(10)***	TAMA SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED	36C2	Tama silt loam, 5 to 10 percent slopes, eroded
36D2 ***(10)***	TAMA SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED	36C2	Tama silt loam, 5 to 10 percent slopes, eroded
199A ***(20)***	PLANO SILT LOAM, 0 TO 2 PERCENT SLOPES	37A	Worthen silt loam, 0 to 2 percent slopes
199B ***(20)***	PLANO SILT LOAM, 2 TO 7 PERCENT SLOPES	37A	Worthen 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
43 ***(12)***	IPAVA SILT LOAM	43A	Ipava silt loam, 0 to 2 percent slopes
43A	Ipava silt loam, 0 to 2 percent slopes	43A	Ipava silt loam, 0 to 2 percent slopes
2043	URBAN LAND-IPAVA COMPLEX	43A	Ipava silt loam, 0 to 2 percent slopes
45	DENNY SILT LOAM	45A	Denny silt loam, 0 to 2 percent slopes
45A	Denny silt loam, 0 to 2 percent slopes	45A	Denny silt loam, 0 to 2 percent slopes
43 ***(13)***	IPAVA SILT LOAM	46A	Herrick silt loam, 0 to 2 percent slopes

46A	Herrick silt loam, 0 to 2 percent slopes	46A	Herrick silt loam, 0 to 2 percent slopes
50	VIRDEN SILTY CLAY LOAM	50A	Virden silty clay loam, 0 to 2 percent slopes
50A	Virden silty clay loam, 0 to 2 percent slopes	50A	Virden silty clay loam, 0 to 2 percent slopes
68	SABLE SILTY CLAY LOAM	68A	Sable silty clay loam, 0 to 2 percent slopes
68A	Sable silty clay loam, 0 to 2 percent slopes	68A	Sable silty clay loam, 0 to 2 percent slopes

Soil Correlation Of SANGAMON COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
2068	URBAN LAND-SABLE COMPLEX	68A	Sable silty clay loam, 0 to 2 percent slopes
36B ***(8)***	TAMA SILT LOAM, 2 TO 4 PERCENT SLOPES	86B	Osco silt loam, 2 to 5 percent slopes
86B	Osco silt loam, 2 to 5 percent slopes	86B	Osco silt loam, 2 to 5 percent slopes
2036B ***(8)***	URBAN LAND-TAMA COMPLEX, 1 TO 5 PERCENT SLOPES	86B	Osco silt loam, 2 to 5 percent slopes
36C2 ***(8)***	TAMA SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED	86C2	Osco silt loam, 5 to 10 percent slopes, eroded
36D2 ***(8)***	TAMA SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED	86C2	Osco silt loam, 5 to 10 percent slopes, eroded
86C2	Osco silt loam, 5 to 10 percent slopes, eroded	86C2	Osco silt loam, 5 to 10 percent slopes, eroded
112	COWDEN SILT LOAM	112A	Cowden silt loam, 0 to 2 percent slopes
112A	Cowden silt loam, 0 to 2 percent slopes	112A	Cowden silt loam, 0 to 2 percent slopes
119C2	Elco silt loam, 5 to 10 percent slopes, eroded	119C2	Elco silt loam, 5 to 10 percent slopes, eroded
119D ***(14)***	ELCO SILT LOAM, 7 TO 15 PERCENT SLOPES	119C2	Elco silt loam, 5 to 10 percent slopes, eroded
119D ***(15)***	ELCO SILT LOAM, 7 TO 15 PERCENT SLOPES	119D	Elco silt loam, 10 to 18 percent slopes
119D	Elco silt loam, 10 to 18 percent slopes	119D	Elco silt loam, 10 to 18 percent slopes
2119D	URBAN LAND-ELCO COMPLEX, 7 TO 15 PERCENT SLOPES	119D	Elco silt loam, 10 to 18 percent slopes
119D ***(16)***	ELCO SILT LOAM, 7 TO 15 PERCENT SLOPES	119D2	Elco silt loam, 10 to 18 percent slopes, eroded
119D2	Elco silt loam, 10 to 18 percent slopes, eroded	119D2	Elco silt loam, 10 to 18 percent slopes, eroded
119D3	ELCO SILTY CLAY LOAM, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED	119D3	Elco silty clay loam, 10 to 18 percent slopes, severely eroded
119D3	Elco silty clay loam, 10 to 18 percent slopes, severely eroded	119D3	Elco silty clay loam, 10 to 18 percent slopes, severely eroded
119E3	ELCO SILTY CLAY LOAM, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED	119D3	Elco silty clay loam, 10 to 18 percent slopes, severely eroded
127B	Harrison silt loam, 2 to 5 percent slopes	127B	Harrison silt loam, 2 to 5 percent slopes

36D2 ***(9)***	TAMA SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED	127C2	Harrison silt loam, 5 to 10 percent slopes, eroded
127C2	Harrison silt loam, 5 to 10 percent slopes, eroded	127C2	Harrison silt loam, 5 to 10 percent slopes, eroded
131C	ALVIN LOAMY SAND, 4 TO 7 PERCENT SLOPES	131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded
131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded	131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded
131D	ALVIN LOAMY SAND, 7 TO 12 PERCENT SLOPES	131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded
131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded	131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded
131E2	ALVIN LOAMY SAND, 12 TO 20 PERCENT SLOPES, ERODED	131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded

Soil Correlation Of SANGAMON COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
134A	Camden silt loam, 0 to 2 percent slopes	134A	Camden silt loam, 0 to 2 percent slopes
134B	CAMDEN SILT LOAM, 2 TO 4 PERCENT SLOPES	134B	Camden silt loam, 2 to 5 percent slopes
134B	Camden silt loam, 2 to 5 percent slopes	134B	Camden silt loam, 2 to 5 percent slopes
134C2	CAMDEN SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED	134C2	Camden silt loam, 5 to 10 percent slopes, eroded
134C2	Camden silt loam, 5 to 10 percent slopes, eroded	134C2	Camden silt loam, 5 to 10 percent slopes, eroded
134D3 ***(17)***	CAMDEN SILTY CLAY LOAM, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED	134C2	Camden silt loam, 5 to 10 percent slopes, eroded
138 ***(18)***	SHILOH SILTY CLAY LOAM	138A	Shiloh silty clay loam, 0 to 2 percent slopes
138A	Shiloh silty clay loam, 0 to 2 percent slopes	138A	Shiloh silty clay loam, 0 to 2 percent slopes
198 ***(18)***	ELBURN SILT LOAM	198A	Elburn silt loam, 0 to 2 percent slopes
198A	Elburn silt loam, 0 to 2 percent slopes	198A	Elburn silt loam, 0 to 2 percent slopes
208 ***(18)***	SEXTON SILT LOAM	198A	Elburn silt loam, 0 to 2 percent slopes
199A ***(18)***	PLANO SILT LOAM, 0 TO 2 PERCENT SLOPES	199A	Plano silt loam, 0 to 2 percent slopes
199A	Plano silt loam, 0 to 2 percent slopes	199A	Plano silt loam, 0 to 2 percent slopes
199B ***(18)***	PLANO SILT LOAM, 2 TO 7 PERCENT SLOPES	199B	Plano silt loam, 2 to 5 percent slopes
199B	Plano silt loam, 2 to 5 percent slopes	199B	Plano silt loam, 2 to 5 percent slopes
212D3	THEBES SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED	212D3	Thebes silty clay loam, 10 to 18 percent slopes, severely eroded

212D3	Thebes silty clay loam, 10 to 18 percent slopes, severely eroded	212D3	Thebes silty clay loam, 10 to 18 percent slopes, severely eroded
208 ***(18)&(5)***	SEXTON SILT LOAM	242A	Kendall silt loam, 0 to 2 percent slopes
242 ***(18)***	KENDALL SILT LOAM	242A	Kendall silt loam, 0 to 2 percent slopes
242A	Kendall silt loam, 0 to 2 percent slopes	242A	Kendall silt loam, 0 to 2 percent slopes
244	HARTSBURG SILTY CLAY LOAM	244A	Hartsburg silty clay loam, 0 to 2 percent slopes
244A	Hartsburg silty clay loam, 0 to 2 percent slopes	244A	Hartsburg silty clay loam, 0 to 2 percent slopes
249	EDINBURG SILTY CLAY LOAM	249A	Edinburg silty clay loam, 0 to 2 percent slopes
249A	Edinburg silty clay loam, 0 to 2 percent slopes	249A	Edinburg silty clay loam, 0 to 2 percent slopes
17 ***(6)***	KEOMAH SILT LOAM	257A	Clarksdale silt loam, 0 to 2 percent slopes
257A	Clarksdale silt loam, 0 to 2 percent slopes	257A	Clarksdale silt loam, 0 to 2 percent slopes
259C	ASSUMPTION SILT LOAM, 4 TO 7 PERCENT SLOPES	259C2	Assumption silt loam, 5 to 10 percent slopes, eroded
259C2	Assumption silt loam, 5 to 10 percent slopes, eroded	259C2	Assumption silt loam, 5 to 10 percent slopes, eroded

Soil Correlation Of SANGAMON COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
259D2	ASSUMPTION SILT LOAM, 7 TO 15 PERCENT SLOPES, ERODED	259D2	Assumption silt loam, 10 to 18 percent slopes, eroded
259D2	Assumption silt loam, 10 to 18 percent slopes, eroded	259D2	Assumption silt loam, 10 to 18 percent slopes, eroded
279B	Rozetta silt loam, 2 to 5 percent slopes	279B	Rozetta silt loam, 2 to 5 percent slopes
280B	FAYETTE SILT LOAM, 2 TO 4 PERCENT SLOPES	279B	Rozetta silt loam, 2 to 5 percent slopes
280C2	FAYETTE SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED	280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
280C2	Fayette silt loam, 5 to 10 percent slopes, eroded	280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
280D2	FAYETTE SILT LOAM, 7 TO 15 PERCENT SLOPES, ERODED	280D2	Fayette silt loam, 10 to 18 percent slopes, eroded
280D2	Fayette silt loam, 10 to 18 percent slopes, eroded	280D2	Fayette silt loam, 10 to 18 percent slopes, eroded
280D3	FAYETTE SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED	280D3	Fayette silty clay loam, 10 to 18 percent slopes, severely eroded

280D3	Fayette silty clay loam, 10 to 18 percent slopes, severely eroded	280D3	Fayette silty clay loam, 10 to 18 percent slopes, severely eroded
533	Urban land	533	Urban land
536	Dumps, mine	536	Dumps, mine
549G	Marseilles silt loam, 35 to 60 percent slopes	549G	Marseilles silt loam, 35 to 60 percent slopes
551F	GOSPORT SILT LOAM, 18 TO 50 PERCENT SLOPES	549G	Marseilles silt loam, 35 to 60 percent slopes
567C	ELKHART SILT LOAM, 4 TO 7 PERCENT SLOPES	567C2	Elkhart silt loam, 5 to 10 percent slopes, eroded
567C2	Elkhart silt loam, 5 to 10 percent slopes, eroded	567C2	Elkhart silt loam, 5 to 10 percent slopes, eroded
567D2	Elkhart silt loam, 10 to 18 percent slopes, eroded	567D2	Elkhart silt loam, 10 to 18 percent slopes, eroded
567D2	ELKHART SILT LOAM, 7 TO 15 PERCENT SLOPES, ERODED	567D2	Elkhart silt loam, 10 to 18 percent slopes, eroded
19C2	SYLVAN SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED	630C2	Navlys silt loam, 5 to 10 percent slopes, eroded
630C2	Navlys silt loam, 5 to 10 percent slopes, eroded	630C2	Navlys silt loam, 5 to 10 percent slopes, eroded
19D	SYLVAN SILT LOAM, 7 TO 12 PERCENT SLOPES	630D2	Navlys silt loam, 10 to 18 percent slopes, eroded
630D2	Navlys silt loam, 10 to 18 percent slopes, eroded	630D2	Navlys silt loam, 10 to 18 percent slopes, eroded
19D3	SYLVAN SILTY CLAY LOAM, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED	630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded
19E3	SYLVAN SILTY CLAY LOAM, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED	630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded

Soil Correlation Of SANGAMON COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded	630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded
199B ***(21)***	PLANO SILT LOAM, 2 TO 7 PERCENT SLOPES	679B	Blackberry silt loam, 2 to 5 percent slopes
679B	Blackberry silt loam, 2 to 5 percent slopes	679B	Blackberry silt loam, 2 to 5 percent slopes
684B	BROADWELL SILT LOAM, 2 TO 4 PERCENT SLOPES	684B	Broadwell silt loam, 2 to 5 percent slopes
684B	Broadwell silt loam, 2 to 5 percent slopes	684B	Broadwell silt loam, 2 to 5 percent slopes
684C2	Broadwell silt loam, 5 to 10 percent slopes. eroded	684C2	Broadwell silt loam, 5 to 10 percent slopes. eroded

684C2	BROADWELL SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED	684C2	Broadwell silt loam, 5 to 10 percent slopes. eroded
685B	MIDDLETOWN SILT LOAM, 1 TO 4 PERCENT SLOPES	685B	Middletown silt loam, 2 to 5 percent slopes
685B	Middletown silt loam, 2 to 5 percent slopes	685B	Middletown silt loam, 2 to 5 percent slopes
685C2	Middletown silt loam, 5 to 10 percent slopes, eroded	685C2	Middletown silt loam, 5 to 10 percent slopes, eroded
685C2	MIDDLETOWN SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED	685C2	Middletown silt loam, 5 to 10 percent slopes, eroded
36A ***(7)***	TAMA SILT LOAM, 0 TO 2 PERCENT SLOPES	705A	Buckhart silt loam, 0 to 2 percent slopes
705A	Buckhart silt loam, 0 to 2 percent slopes	705A	Buckhart silt loam, 0 to 2 percent slopes
36B ***(7)***	TAMA SILT LOAM, 2 TO 4 PERCENT SLOPES	705B	Buckhart silt loam, 2 to 5 percent slopes
43 ***(11)***	IPAVA SILT LOAM	705B	Buckhart silt loam, 2 to 5 percent slopes
705B	Buckhart silt loam, 2 to 5 percent slopes	705B	Buckhart silt loam, 2 to 5 percent slopes
67	HARPSTER SILTY CLAY LOAM	712A	Spaulding silty clay loam, 0 to 2 percent slopes
712A	Spaulding silty clay loam, 0 to 2 percent slopes	712A	Spaulding silty clay loam, 0 to 2 percent slopes
801 ***(22)***	ORTHENTS, SILTY, 3 TO 8 PERCENT SLOPES	801C	Orthents, silty, rolling
801C	Orthents, silty, rolling	801C	Orthents, silty, rolling
801 ***(23)***	ORTHENTS, SILTY, 3 TO 8 PERCENT SLOPES	830	Landfills
830	Landfills	830	Landfills
862	Pits, sand	862	Pits, sand
864	Pits, quarries	864	Pits, quarries
864	QUARRY	864	Pits, quarries
73	ROSS LOAM	3073A	Ross loam, 0 to 2 percent slopes, frequently flooded
3073A	Ross loam, 0 to 2 percent slopes, frequently flooded	3073A	Ross loam, 0 to 2 percent slopes, frequently flooded
74	RADFORD SILT LOAM	3074A	Radford silt loam, 0 to 2 percent slopes, frequently flooded

Soil Correlation Of SANGAMON COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
3074A	Radford silt loam, 0 to 2 percent slopes,	3074A	Radford silt loam, 0 to 2 percent slopes,

	frequently flooded		frequently flooded
77	HUNTSVILLE SILT LOAM	3077A	Huntsville silt loam, 0 to 2 percent slopes, frequently flooded
3077A	Huntsville silt loam, 0 to 2 percent slopes, frequently flooded	3077A	Huntsville silt loam, 0 to 2 percent slopes, frequently flooded
107	SAWMILL SILTY CLAY LOAM	3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded	3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
198 ***(19)***	ELBURN SILT LOAM	3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded
284	TICE SILTY CLAY LOAM	3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded
3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded	3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded
138 ***(19)***	SHILOH SILTY CLAY LOAM	3405A	Zook silty clay loam, 0 to 2 percent slopes, frequently flooded
3405A	Zook silty clay loam, 0 to 2 percent slopes, frequently flooded	3405A	Zook silty clay loam, 0 to 2 percent slopes, frequently flooded
451	LAWSON SILT LOAM	3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded	3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded
199A ***(19)***	PLANO SILT LOAM, 0 TO 2 PERCENT SLOPES	7148A	Proctor silt loam, 0 to 2 percent slopes, rarely flooded
199B ***(19)***	PLANO SILT LOAM, 2 TO 7 PERCENT SLOPES	7148A	Proctor silt loam, 0 to 2 percent slopes, rarely flooded
7148A	Proctor silt loam, 0 to 2 percent slopes, rarely flooded	7148A	Proctor silt loam, 0 to 2 percent slopes, rarely flooded
242 ***(19)***	KENDALL SILT LOAM	7242A	Kendall silt loam, 0 to 2 percent slopes, rarely flooded
7242A	Kendall silt loam, 0 to 2 percent slopes, rarely flooded	7242A	Kendall silt loam, 0 to 2 percent slopes, rarely flooded
208 ***(19)***	SEXTON SILT LOAM	8396A	Vesser silt loam, 0 to 2 percent slopes, occasionally flooded
8396A	Vesser silt loam, 0 to 2 percent slopes, occasionally flooded	8396A	Vesser silt loam, 0 to 2 percent slopes, occasionally flooded
W	Water	W	Water

Footnotes:
(1) Uneroded areas, mostly wooded; using land use, topo, & photo image as indicators
(2) Eroded areas, mostly open; using land use, topo, & photo image as indicators
(3) Areas with less than 35 percent slopes; using topo & photo image as indicators
(4) Areas with 35 percent slope or more; using topo & photo image as indicators

Soil Correlation Of SANGAMON COUNTY, ILLINOIS-continued

Footnotes-continued:
(5) Areas where native vegetation is forest
(6) Areas where native vegetation is transitional between prairie and forest; mapped as 257A on old soil maps
(7) Areas on broad uplands
(8) Areas on narrow, dissected uplands with deep loess
(9) Areas on narrow, dissected uplands with moderately deep loess over pedisediments; mostly in southeastern part of the county
(10) Areas in the northeastern part of the county that do not have a water table above a depth of 6 feet
(11) Areas with slopes of 2 to 5 percent, joins other counties having 43B map units
(12) Areas mapped as 43 on old soil maps; located throughout the county
(13) Areas mapped as 46A on old soil maps; mostly in southeastern part of the county in MLRA 114
(14) Eroded areas with less than 10 percent slopes; using topo & photo image as indicators
(15) Uneroded areas with 10 percent slope or more, mostly wooded; using land use, topo, & photo image as indicators
(16) Eroded areas with 10 percent slope or more, mostly open; using land use, topo, & photo image as indicators
(17) Add severely eroded spot symbols to these map units, using photo image for placement
(18) Areas on high terraces
(19) Areas on flood plains
(20) Areas on foot slopes
(21) Joins Macon County
(22) Areas not used as landfills
(23) Areas used as landfills

Series Established by this Correlation and County of Type Location

NONE

Series Added to Previously Correlated Legend for Soil Report #111

BLACKBERRY, BUCKHART, CLARKSDALE, HARRISON, HERRICK, MARSEILLES, NAVLYS, OSCO, PROCTOR, ROZETTA, SPAULDING, VESSER, WORTHEN, AND ZOOK.

Series Dropped from Previously Correlated Legend for Soil Report #111

GOSPORT, HARPSTER, SEXTON, AND SYLVAN.

Series Made Inactive

NONE

Cooperators' Names and Credits

For the front cover 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 Sangamon County Soil and Water Conservation District. Financial assistance was made available by the Sangamon County Soil and Water District and the Illinois Department of Agriculture.

Prior Soil Survey Publications

The last soil survey of Sangamon County was completed in 1977 and published by the United States Department of Agriculture, Soil Conservation Service in May 1980. Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the May 1980 soil survey, provides additional data, updated soil interpretations and 1:12,000 scale soil maps on an orthophotographic base.

Instructions for Map Compilation, Map Finishing, and Digitizing

The soil maps from the 1980 soil survey were digitized by a private vendor and the soil vector lines will be adjusted on the computer by the field soil scientists. Hydrological and conventional and special symbols were recompiled on mylar at a 1:12,000 scale by the Springfield MLRA team. The Illinois NRCS state office will do the digital map finishing. The completed soil maps will be delivered to the Michigan Digitizing Center for SSURGO certification. Single line streams and drainage and/or irrigation ditches will be compiled as unclassified and will not be designated as perennial or intermittent.

Medium or small

LANDFORM FEATURES

Prominent Hill or Peak

Soil Sample Site

19

20

21

22

41

42

43

44

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.

DEFINITIONS OF SPECIAL FEATURES

Label	Name	Description
BLO	Blowout	A small saucer, cup, or trough-shaped hollow or depression formed by wind erosion, on a pre-existing sand deposit. Typically 0.25 to 2.0 acres.
DEP	Depession, closed	A shallow, saucer-shaped area slightly lower on the landscape than the surrounding area, but without a natural outlet for surface drainage. Typically 0.25 to 2.0 acres.
ESB	Escarpment, bedrock	A relatively continuous and steep slope or cliff produced by erosion or faulting breaking the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
ESO	Escarpment, other	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.
GPI	Gravel pit	An open excavation from which soil and underlying material have been removed, and used without crushing, as a source of sand and gravel. Typically 0.25 to 2.0 acres.
GRA	Gravelly spot	Surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than 3 inches in diameter. Typically 0.25 to 2.0 acres.
LVS	Levee	An embankment to confine or control water, especially one built along the banks of a river to prevent overflow of lowlands.
MAR	Marsh or swamp	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. Typically 0.25 to 2.0 acres.

Label	Name	Description
MPI	Mine or quarry	An open excavation from which soil and underlying material is removed exposing the bedrock. Also used to denote surface openings to underground mines. Typically 0.25 to 2.0 acres.
ROC	Rock outcrop	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 0.25 to 2.0 acres.
SAN	Sandy spot	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 0.25 to 2.0 acres.
ERO	Severely eroded spot	An area where on the average 75 percent or more of the original surface soil has been lost from accelerated erosion. Typically 0.25 to 2.0 acres.
SLP	Short, steep slope	Narrow soil area that has slopes that are at least 2 slope classes steeper than the slope class of the surrounding map unit.
SOD	Sodic spot	Surface layer with a sodium adsorption ratio that is 10 or more than the surface layer of the named soils in the surrounding map unit, which has a sodium adsorption ratio of 5 or less. Typically 0.25 to 2.0 acres.
WET	Wet spot	Somewhat poorly drained to very poorly drained area that is at least 2 drainage class wetter than the named soils in the surrounding map unit. Typically 0.25 to 2.0 acres.
AD HOC:		
DMP	Dumps	Small areas of non-soil material that supports no vegetation. Typically 0.25 to 2.0 acres.
MSA	Mine subsided	Areas that are lower than the soils in the surrounding map units due to subsurface coal mining. These areas may be farmed but may pond water or become an obstruction in the field. Typically 0.25 to 2.0 acres.

General Soil Map Units

The General Soil Map will not be updated as part of this correlation.

Conversion Legend
(By publication symbol)
SANGAMON COUNTY, ILLINOIS

Field symbols	Publication symbol
8D	8D
8E ***(1)***	8D
8D2	8D2
8E ***(2)***	8D2
8D3	8D3
8E3	8D3
8F ***(3)***	8F
8F ***(4)***	8G
8G	8G
17 ***(5)***	17A
17A	17A
36B ***(10)***	36B
36C2 ***(10)***	36C2
36D2 ***(10)***	36C2
37A	37A
199A ***(20)***	37A
199B ***(20)***	37A
43 ***(12)***	43A
43A	43A
2043	43A
45	45A
45A	45A
43 ***(13)***	46A
46A	46A
50	50A
50A	50A
68	68A
68A	68A
2068	68A
36B ***(8)***	86B

Field symbols	Publication symbol
86B	86B
2036B	86B
36C2 ***(8)***	86C2
36D2 ***(8)***	86C2
86C2	86C2
112	112A
112A	112A
119C2	119C2
119D ***(14)***	119C2
119D ***(15)***	119D
2119D	119D
119D ***(16)***	119D2
119D2	119D2
119D3	119D3
119E3	119D3
36B ***(9)***	127B
127B	127B
36C2 ***(9)***	127C2
36D2 ***(9)***	127C2
127C2	127C2
131C	131C2
131C2	131C2
131D	131D2
131D2	131D2
131E2	131D2
134A	134A
134B	134B
134C2	134C2
134D3 ***(17)***	134C2
138 ***(18)***	138A
138A	138A
198 ***(18)***	198A
198A	198A
208 ***(18)***	198A

Field symbols	Publication symbol
199A ***(18)***	199A
199B ***(18)***	199B
212D3	212D3
208 ***(18)&(5)***	242A
242 ***(18)***	242A
242A	242A
244	244A
244A	244A
249	249A
249A	249A
17 ***(6)***	257A
257A	257A
259C	259C2
259C2	259C2
259D2	259D2
279B	279B
280B	279B

280C2	280C2
280D2	280D2
280D3	280D3
533	533
536	536
549G	549G
551F	549G
567C	567C2
567C2	567C2
567D2	567D2
19C2	630C2
630C2	630C2
19D	630D2
630D2	630D2
19D3	630D3
19E3	630D3
630D3	630D3
199B ***(21)***	679B

Conversion Legend- (By pub. symbol) **continued**

SANGAMON COUNTY, ILLINOIS

Field symbols	Publi-cation symbol
679B	679B
684B	684B
684C2	684C2
685B	685B
685C2	685C2
36A ***(7)***	705A
705A	705A
36B ***(7)***	705B
43 ***(11)***	705B
705B	705B
712A	712A
801 ***(22)***	801C
801C	801C
801 ***(23)***	830
830	830
862	862
864	864
864	864
73	3073A
3073A	3073A
74	3074A
3074A	3074A
77	3077A
3077A	3077A
107	3107A
3107A	3107A
198 ***(19)***	3284A
284	3284A
3284A	3284A
138 ***(19)***	3405A
3405A	3405A

Field symbols	Publi-cation symbol
451	3451A
3451A	3451A
199A ***(19)***	7148A
199B ***(19)***	7148A
7148A	7148A
242 ***(19)***	7242A
7242A	7242A
208 ***(19)***	8396A
8396A	8396A
W	W

Footnotes:

(1) Uneroded areas, mostly wooded; using land use, topo, & photo image as indicators

(2) Eroded areas, mostly open; using land use, topo, & photo image as indicators

(3) Areas with less than 35 percent slopes; using topo, & photo image as indicators

(4) Areas with 35 percent slope or more; using topo, & photo image as indicators

(5) Areas where native vegetation is forest

(6) Areas where native vegetation is transitional between prairie and forest; mapped as 257A on old soil maps

(7) Areas on broad uplands

(8) Areas on narrow, dissected uplands with deep loess

(9) Areas on narrow, dissected uplands with moderately deep loess over pedisediments; mostly in southeastern part of the county

(10) Areas in the northeastern part of the county that do not have a water table above a depth of 6 feet

(11) Areas with slopes of 2 to 5 percent, joins other counties having 43B map units

(12) Areas mapped as 43 on old soil maps; located throughout the county

(13) Areas mapped as 46A on old soil maps; mostly in southeastern part of the county in MLRA 114

(14) Eroded areas with less than 10 percent

slopes; using topo, & photo image as indicators

(15) Uneroded areas with 10 percent slope or more, mostly wooded; using land use, topo, & photo image as indicators

(16) Eroded areas with 10 percent slope or more, mostly open; using land use, topo, & photo image as indicators

(17) Add severely eroded spot symbols to these map units, using photo image for placement

(18) Areas on high terraces

(19) Areas on flood plains

(20) Areas on foot slopes

(21) Joins Macon County

(22) Areas not used as landfills

(23) Areas used as landfills

Conversion Legend
(By field symbol)
SANGAMON COUNTY, ILLINOIS

Field symbols	Publication symbol
8D	8D
8D2	8D2
8D3	8D3
8E ***(1)***	8D
8E ***(2)***	8D2
8E3	8D3
8F ***(3)***	8F
8F ***(4)***	8G
8G	8G
17 ***(5)***	17A
17 ***(6)***	257A
17A	17A
19C2	630C2
19D	630D2
19D3	630D3
19E3	630D3
36A ***(7)***	705A
36B ***(10)***	36B
36B ***(8)***	86B
36B ***(9)***	127B
36B ***(7)***	705B
36C2 ***(10)***	36C2
36C2 ***(8)***	86C2
36C2 ***(9)***	127C2
36D2 ***(10)***	36C2
36D2 ***(8)***	86C2
36D2 ***(9)***	127C2
37A	37A
43 ***(12)***	43A
43 ***(13)***	46A

Field symbols	Publication symbol
43 ***(11)***	705B
45	45A
45A	45A
46A	46A
50	50A
50A	50A
67	712A
68	68A
68A	68A
73	3073A
74	3074A
77	3077A
86B	86B
86C2	86C2
107	3107A
112	112A
112A	112A
119C2	119C2
119D ***(14)***	119C2
119D ***(15)***	119D
119D ***(16)***	119D2
119D2	119D2
119D3	119D3
119E3	119D3
127B	127B
127C2	127C2
131C	131C2
131C2	131C2
131D	131D2
131D2	131D2
131E2	131D2
134A	134A
134B	134B
134C2	134C2
134D3 ***(17)***	134C2

Field symbols	Publication symbol
138 ***(18)***	138A
138 ***(19)***	3405A
138A	138A
198 ***(18)***	198A
198 ***(19)***	3284A
198A	198A
199A ***(20)***	37A
199A ***(18)***	199A
199A ***(19)***	7148A
199B ***(20)***	37A
199B ***(18)***	199B
199B ***(21)***	679B
199B ***(19)***	7148A
208 ***(18)***	198A
208 ***(18)&(5)***	242A
208 ***(19)***	8396A
212D3	212D3
242 ***(18)***	242A
242 ***(19)***	7242A

242A	242A
244	244A
244A	244A
249	249A
249A	249A
257A	257A
259C	259C2
259C2	259C2
259D2	259D2
279B	279B
280B	279B
280C2	280C2
280D2	280D2
280D3	280D3
284	3284A
451	3451A

Conversion Legend- (by field symbol) continued

SANGAMON COUNTY, ILLINOIS

Field symbols	Publication symbol
533	533
536	536
549G	549G
551F	549G
567C	567C2
567C2	567C2
567D2	567D2
630C2	630C2
630D2	630D2
630D3	630D3
679B	679B
684B	684B
684C2	684C2
685B	685B
685C2	685C2
705A	705A
705B	705B
712A	712A
801 ***(22)***	801C
801 ***(23)***	830
801C	801C
830	830
862	862
864	864
2036B	86B
2043	43A
2068	68A
2119D	119D
3073A	3073A
3074A	3074A

Field symbols	Publication symbol
3077A	3077A
3107A	3107A
3284A	3284A
3405A	3405A
3451A	3451A
7148A	7148A
7242A	7242A
8396A	8396A
W	W

Footnotes:

(1) Uneroded areas, mostly wooded; using land use, topo, & photo image as indicators

(2) Eroded areas, mostly open; using land use, topo, & photo image as indicators

(3) Areas with less than 35 percent slopes; using topo, & photo image as indicators

(4) Areas with 35 percent slope or more; using topo, & photo image as indicators

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(9) Areas on narrow, dissected uplands with moderately deep loess over pedisediments; mostly in southeastern part of the county

(10) Areas in the northeastern part of the county that do not have a water table above a depth of 6 feet

(11) Areas with slopes of 2 to 5 percent, joins other counties having 43B map units

(12) Areas mapped as 43 on old soil maps; located throughout the county

(13) Areas mapped as 46A on old soil maps; mostly in southeastern part of the county in MLRA 114

(14) Eroded areas with less than 10 percent slopes; using topo, & photo image as indicators

(15) Uneroded areas with 10 percent slope or more, mostly wooded; using land use, topo, & photo image as indicators

(16) Eroded areas with 10 percent slope or more, mostly open; using land use, topo, & photo image as indicators

(17) Add severely eroded spot symbols to these map units, using photo image for placement
(18) Areas on high terraces
(19) Areas on flood plains
(20) Areas on foot slopes
(21) Joins Macon County
(22) Areas not used as landfills
(23) Areas used as landfills

Alphabetic Listing of Map Units on the Soil Map Legend of Sangamon County, Illinois

Map symbol	Soil name
131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded
131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded
259C2	Assumption silt loam, 5 to 10 percent slopes, eroded
259D2	Assumption silt loam, 10 to 18 percent slopes, eroded
679B	Blackberry silt loam, 2 to 5 percent slopes
684B	Broadwell silt loam, 2 to 5 percent slopes
684C2	Broadwell silt loam, 5 to 10 percent slopes, eroded
705A	Buckhart silt loam, 0 to 2 percent slopes
705B	Buckhart silt loam, 2 to 5 percent slopes
134A	Camden silt loam, 0 to 2 percent slopes
134B	Camden silt loam, 2 to 5 percent slopes
134C2	Camden silt loam, 5 to 10 percent slopes, eroded
257A	Clarksdale silt loam, 0 to 2 percent slopes
112A	Cowden silt loam, 0 to 2 percent slopes
45A	Denny silt loam, 0 to 2 percent slopes
536	Dumps, mine
249A	Edinburg silty clay loam, 0 to 2 percent slopes
198A	Elburn silt loam, 0 to 2 percent slopes
119C2	Elco silt loam, 5 to 10 percent slopes, eroded
119D	Elco silt loam, 10 to 18 percent slopes
119D2	Elco silt loam, 10 to 18 percent slopes, eroded
119D3	Elco silty clay loam, 10 to 18 percent slopes, severely eroded
567C2	Elkhart silt loam, 5 to 10 percent slopes, eroded
567D2	Elkhart silt loam, 10 to 18 percent slopes, eroded
280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
280D2	Fayette silt loam, 10 to 18 percent slopes, eroded
280D3	Fayette silty clay loam, 10 to 18 percent slopes, severely eroded
127B	Harrison silt loam, 2 to 5 percent slopes
127C2	Harrison silt loam, 5 to 10 percent slopes, eroded
244A	Hartsburg silty clay loam, 0 to 2 percent slopes
46A	Herrick silt loam, 0 to 2 percent slopes
8D	Hickory silt loam, 10 to 18 percent slopes
8D2	Hickory loam, 10 to 18 percent slopes, eroded
8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8F	Hickory silt loam, 18 to 35 percent slopes
8G	Hickory silt loam, 35 to 60 percent slopes
3077A	Huntsville silt loam, 0 to 2 percent slopes, frequently flooded
43A	Ipava silt loam, 0 to 2 percent slopes
242A	Kendall silt loam, 0 to 2 percent slopes
7242A	Kendall silt loam, 0 to 2 percent slopes, rarely flooded
17A	Keomah silt loam, 0 to 2 percent slopes
830	Landfills
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded
549G	Marseilles silt loam, 35 to 60 percent slopes
685B	Middletown silt loam, 2 to 5 percent slopes

685C2	Middletown silt loam, 5 to 10 percent slopes, eroded
630C2	Navlys silt loam, 5 to 10 percent slopes, eroded
630D2	Navlys silt loam, 10 to 18 percent slopes, eroded
630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded
801C	Orthents, silty, rolling
86B	Osco silt loam, 2 to 5 percent slopes
86C2	Osco silt loam, 5 to 10 percent slopes, eroded
864	Pits, quarries
862	Pits, sand
199A	Plano silt loam, 0 to 2 percent slopes
199B	Plano silt loam, 2 to 5 percent slopes
7148A	Proctor silt loam, 0 to 2 percent slopes, rarely flooded
3074A	Radford silt loam, 0 to 2 percent slopes, frequently flooded
3073A	Ross loam, 0 to 2 percent slopes, frequently flooded
279B	Rozetta silt loam, 2 to 5 percent slopes
68A	Sable silty clay loam, 0 to 2 percent slopes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
138A	Shiloh silty clay loam, 0 to 2 percent slopes
712A	Spaulding silty clay loam, 0 to 2 percent slopes
36B	Tama silt loam, 2 to 5 percent slopes
36C2	Tama silt loam, 5 to 10 percent slopes, eroded
212D3	Thebes silty clay loam, 10 to 18 percent slopes, severely eroded
3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded
533	Urban land
8396A	Vesser silt loam, 0 to 2 percent slopes, occasionally flooded
50A	Virden silty clay loam, 0 to 2 percent slopes
W	Water
37A	Worthen silt loam, 0 to 2 percent slopes
3405A	Zook silty clay loam, 0 to 2 percent slopes, frequently flooded

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

1. LABORATORY DATA FROM NATIONAL SOIL SURVEY LABORATORY

Sampled as	Lab number	Pub-sym	Approved series
Alvin (975D2)	S76IL-84-1(1-8)	131D2	Alvin
Assumption (259D2)	S76IL-84-1(1-10)	259D2	Assumption
Assumption (259C2)	S76IL-84-2(1-15)	259C2	Assumption
Atlas (957E2)	S76IL84-1(1-4)	119D	Atlas-inclusion in Elco(Fine,smectitic,super-active,mesic Aeric Chromic Vertic Epiaqualf)-incomplete lab data
Atlas (957E2)	S76IL-84-2(1-7)	119D	Atlas taxadjunct-inclusion in Elco(Fine-silty,mixed,super-active,mesic Aeric Epiaqualf)
Clinton (18B)	S70IL-84-1(1-9)	279B	Rozetta
Clinton (18B)	S70IL-84-2(1-10)	279B	Rozetta
Cinton (18B)	S70IL-84-3(1-10)	279B	Rozetta
Colo (402)	S72IL84-3(1-17)	3107A	Sawmill taxadjunct-inclusion in Sawmill(Fine, smectitic, super-active, mesic, Typic Argiaquoll)
Edinburg (249)	S72IL-84-1(1-15)	249A	Edinburg
Edinburg (249)	S72IL-84-3(1-15)	249A	Edinburg
Edinburg (249)	S72IL-84-3(1-14)	249A	Edinburg-incomplete data
Edinburg (249)	S76IL-84-1(1-13)	249A	Edinburg
Elco (119D)	S70IL-84-1(1-10)	119C2	Elco
Elco (119D)	S70IL-84-2(1-6)	280D2	Elco-inclusion in Fayette (Fine-silty,mixed,super-active,mesic Oxyaquic Hapludalfs)
Harpster (67)	S75IL-84-1(1-9)	712A	Spaulding(Fine-silty,mixed,mesic Typic Calciaquoll)Limited data.
Harpster (67)	S75IL-84-2(1-7)	712A	Spaulding(Fine-silty,mixed mesic Typic Calciaquoll)Limited data.

Sampled as	Lab number	Pub-sym	Approved series
Harrison (127B)	S71IL-84-5(1-17)	127B	Harrison
Hickory (8E)	S76IL-84-1(1-9)	8D2	Hickory
Ipava (43)	S72IL-84-4(1-15)	43A	Ipava
Keomah (17)	S71IL-84-8(1-8)	17A	Keomah
Lawson (451)	S70IL-84-3(1-6)	3451A	Lawson
Sable (68)	S75IL-84-1(1-11)	68A	Sable
Sable (68)	S75IL-84-2(1-11)	68A	Virden taxadjunct-inclusion in Sable (Fine, smectitic, superactive, mesic Vertic Endoaquoll)
Sable (68)	S75IL-84-3(1-10)	50A	Virden taxadjunct-inclusion in Virden(Fine,smectitic,super-active, mesic Vertic Endoaquoll)
Sable (68)	S75IL-84-4(1-10)	50A	Sable-inclusion in Virden(Fine-silty, mixed,superactive mesic Typic Endoaquoll)
Sable (68)	S75IL-84-5(1-10)	68A	Sable
Sable (68)	S75IL-84-6(1-10)	68A	Sable
Sable (68)	S75IL-84-7(1-10)	68A	Virden taxadjunct-inclusion in Sable(Fine, smectitic, super-active, mesic Vertic Endoaquoll)
Tama (36)	S69IL-84-1(1-8)	86B	Osco
Virden (50)	S70IL-84-2(1-14)	50A	Sable taxadjunct-inclusion in Virden(Fine-silty,mixed,super-active,mesic Typic Argiaquoll)
Virden-Edinburg	S70IL-84-4(1-11)	50A	Virden
Virden (50)	S70IL-84-6(1-14)	50A	Sable taxadjunct-inclusion in Virden(fine-silty, mixed, super-active, mesic Typic Argiaquoll)

Sampled as	Lab number	Pub-sym	Approved series
Virden (50)	S75IL-84-8(1-9)	68A	Virden taxadjunct-inclusion in Sable(Fine,smectitic, mesic Vertic Endoaquoll)
Virden (50)	S75IL-84-9(1-11)	68A	Virden-inclusion in Sable (Fine,smectitic,mesic Vertic Argiaquoll)
Virden (50)	S75IL-84-10(1-10)	50A	Sable taxadjunct-inclusion in Virden(Fine-silty, mixed, superactive, mesic, Typic Argiaquoll)
Virden (50)	S75IL-84-11(1-10)	50A	Sable taxadjunct-inclusion in Virden(Fine-silty, mixed, superactive, mesic Typic Argiaquoll)
Virden (50)	S75IL-84-12(1-10)	68A	Virden-inclusion in Sable(Fine,smectitic,mesic, Vertic Argiaquoll)
Virden (50)	S75IL-84-13(1-10)	68A	Virden-inclusion in Sable(Fine,smectitic, mesic, Vertic Argiaquoll)
Virden (50)	S75IL-84-14(1-11)	50A	Virden taxadjunct-inclusion in Virden(Fine, smectitic, mesic, Vertic Endoaquoll)

2. LABORATORY DATA FROM UNIVERSITY OF ILLINOIS PEDOLOGY LABORATORY

Sampled as	Lab number	Pub-sym	Approved series
Ipava (43)	S76IL-84-1(1-7) (19582-88)	43A	Ipava
Sable (68)	S76IL-84-1(1-6) (19589-94)	68A	Sable
Tama (36B)	S76IL-84-2(1-6) (19567-73)	86B	Osco
Hartsburg (244)	S76IL-84-1(1-9) (20226-34)	244A	Hartsburg

3. ENGINEERING TEST DATA FROM ILLINOIS DEPARTMENT OF TRANSPORTATION

Sampled as	Lab number	Pub-sym	Approved series
Alvin	S69IL-83-2(1-3)		Alvin
Alvin	S69IL-83-5(1-3)		Alvin(incomplete info)
Atlas	S69IL-83-4(1-3)		Inclusion in Elco (incomplete info)
Clinton	S69IL-83-1(1-3)		Inclusion in Fayette
Clinton	S69IL-83-8(1-3)		Inclusion in Fayette (incomplete info)
Elco	S69IL-83-6(1-3)		Elco
Elco	S69IL-83-9(1-4)-located		Elco(119D)
Hickory	S69IL-83-7(1-3)-located		Hickory(8D)
Keomah	S69IL-83-10(1-3)-located		Keomah(17A)
Tama	S69IL-83-10(1-3)		Osco

NOTES TO ACCOMPANY THE
CLASSIFICATION AND CORRELATION
OF THE SOILS OF
SANGAMON COUNTY, ILLINOIS

PREPARED BY
JIM HORNICKEL

ALVIN SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is the OSD from Vermillion County (85IL-183-024).

ASSUMPTION SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 259B the type location from Henry County (79IL-073-113). Mapunits 259C2 and 259D2 are taxadjuncts to the Assumption series because they have a thinner dark surface layer than the defined range of the series. They classify as fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs.

BLACKBERRY SERIES - This series is added to the subset legend with this correlation to achieve an exact join with Macon County. The typical pedon for the subset taxonomic unit is from the 679B map unit in Champaign County (77IL-019-015).

BROADWELL SERIES - Previouly correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 684B the OSD type location from Christian County (85IL-021-036). The map unit 684C2 is a taxajunct to the Broadwell series because it has a thinner dark surface layer than the defined range of the series. It classifies as fine-silty, mixed, superactive, mesic Mollic Hapludalfs.

BUCKHART SERIES - This newly established series replaces those soils previously correlated for Soil Report #111 as Tama series on A and B slopes on broad flats. These soils are moderately well drained, located on broad upland landscapes. The typical pedon for the subset taxonomic unit is 705B the OSD type location in Christian County (99IL-021-003).

CAMDEN SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 134B the OSD type location from Champaign County (77IL-019-008).

CLARKSDALE SERIES - This series is added to the subset legend with this correlation. It replaces only those soils previously correlated for Soil Report #111 as Keomah (17A) that were originally mapped Clarksdale on old soil survey maps. The typical pedon for the subset taxonomic unit is 257A the OSD type location from Christian County (95IL-021-010)

COWDEN SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 112A the OSD type location from Montgomery County. The orginal typical pedon for Cowden in Sangamon County was a taxadjunct. The taxadjunct note will not be needed with this correlation.

DENNY SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is in map unit 45A from McDonough County (87IL-109-064), which is the new OSD type location. The OSD type location was moved from Jersey County to McDonough County to be more centrally located within the cool, mesic area.

EDINBURG SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 249A the OSD type location from Sangamon County.

ELBURN SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 198A the OSD type location from Logan County (96IL-107-007).

ELCO SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 119D the OSD type location from Sangamon County (97IL-167-026). Mapunits 1119C2 and 119D2 are added to the subset legend with this correlation.

ELKHART SERIES - Previously correlated for Soil Report #111. The Typical pedon for the subset taxonomic unit is 567C2 the OSD type location from Logan County (96IL-107-015). These soils are taxadjuncts to the Elkhart series because they have a thinnner dark surface layer than the defined range of the series. They classify as fine-silty, mixed, superactive, mesic Mollic Hapludalfs.

FAYETTE SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 280D2 from Warren County (87IL-187-18).

GOSPORT SERIES - See Marseilles series

HARPSTER SERIES - See Spaulding series.

HARRISON SERIES - This soil is added to the subset legend with this correlation. The typical pedon for the subset taxonomic unit is 127B the OSD type location from Christian County (83IL-021-024). The map unit 127C2 is a taxajunct to the series because it has a thinner surface layer than the defined range of the series. It classifies as fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs.

HARTSBURG SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 244A the OSD type location from Logan County (96IL-107-010).

HERRICK SERIES - This soil is added to the subset legend with this correlation. The typical pedon for the subset taxonomic unit is 46A the OSD type location from Christian County (95IL-021-012).

HICKORY SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 8G from Cass County (97IL-017-002). Map units 8D, 8D2, and 8G are added to the subset legend with this correlation.

HUNTSVILLE SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 3077A from Whiteside County (85IL-195-339).

IPAVA SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 43A the OSD type location from Knox County (78IL-095-016).

KENDALL SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 242A the OSD type location from Douglas County (98IL-041-002). A rarely flooded phase, 7242A, is added to the subset legend with this correlation for those Kendall map units on floodplains.

KEOMAH SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 17A from Adams County (95IL-001-023).

LAWSON SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 3451A from Adams County (97IL-001-014).

MARSEILLES SERIES - This series replaces those soils previously correlated for Soil Report #111 as Gosport series. The typical pedon for the subset taxonomic unit is 549G the OSD typical pedon from Bureau County (85IL-011-030).

MIDDLETOWN SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 685B from Sangamon County (00IL-167-003). Propose changing the OSD concept from moderately well drained to well drained.

NAVLYS SERIES - This series replaces those soils previously correlated for Soil Report #111 as Sylvan series. The typical pedon for the subset taxonomic unit is 630C3 the OSD type location from Fulton County (93IL-057-011).

OSCO SERIES - This series is added to the subset legend with this correlation and replaces those soils previously correlated for the Soil Report #111 as Tama series, map units 36B and 36C2, on dissected uplands. The typical pedon for the subset taxonomic unit is 86B the OSD type location from Carroll County (56IL-015-002). Map unit 86C2 is a taxadjunct to the Osco series because it has a thinner dark surface layer than the defined range of the series. It classifies as fine-silty, mixed, superactive, mesic Mollic Hapludalfs.

PLANO SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 199A the OSD type location from Stark County (87IL-175-002).

PROCTOR SERIES - This series has a flooding frequency phase (7148A) and replaces those soils previously correlated for Soil Report #111 as 199A and 199B (Plano) located on floodplains. The typical pedon for the subset taxonomic unit is 148A the OSD type location from Peoria County (85IL-143-006). Note: mapunit,7148A, has sand content on the high end in the 2C horizon for the OSD range.

RADFORD SERIES - Previouly correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 3074A the OSD type location from Cass County (84IL-017-001).

ROSS SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 7073A the type location from Bureau County (82IL -011-176). The previous correlation note on the Ross series having a thicker sola than defined for the series, will no longer be needed.

ROZETTA SERIES - This series is added to the subset legend with this correlation and replaces those soils previously correlated for Soil Report #111 as 280B (Fayette). The typical pedon for the subset taxonomic unit is 279A the OSD type location from Stephenson County (96IL-177-012).

SABLE SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 68A the OSD type location from Warren County (57IL-187-001).

SAWMILL SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 3107A the OSD type location from Sangamon County (99IL167-008).

SEXTON SERIES - Correlated to other series.

SHILOH SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 138A from Sangamon County.

SPAULDING SERIES - This newly established series replaces those soils previouly correlated for Soil Report #111 as Harpster series. The typical pedon for the subset taxonomic unit is the OSD site from Sangamon County (99IL-167-004). Spaulding (712A) will replace Harpster mapped in the deep loess areas.

SYLVAN SERIES - See Navlys.

TAMA SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 36B from Mason County. Mapunits 36B and 36C2 occur in the northeastern part of the county. Mapunit 36C2 is a taxadjunct to the Tama series because it has a thinner dark surface layer than the defined range of the series; it classifies as fine-silty, mixed, superactive, mesic Mollic Hapludalfs.

THEBES SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 212C the OSD type location.

TICE SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 8284A the OSD type location from Adams County (96IL001-060).

VESSER SERIES - This series is added to the subset legend with this correlation and replaces those soils previously correlated for Soil Report #111 as 208 (Sexton series) located on the floodplain. The typical pedon for the subset taxonomic unit is 8396A from Adams County (96IL-001-064).

VIRDEN SERIES - Previously correlated for Soil Report #111. The typical pedon for the subset taxonomic unit is 50A the OSD type location from Adams County (95IL-001-028).

WORTHEN SERIES - This series is added to the subset legend with this correlation for Soil Report #111. It is added to replace map units 199A and 199B on foot slopes that are correlated to map unit 37A. The typical pedon for subset taxonomic unit is 37B the OSD type location from Scott County (95IL-606-42).

ZOOK SERIES - This series is added to the subset legend with this corrlation and replaces those soils previously correlated for Soil Report #111 as 138 (Shiloh) located on floodplains. The typical pedon for the subset taxonomic unit is 3405A the type location from Warren County (87IL-187-006).

SPECIAL NOTE:

1) Spot symbol areas of dumps and other similar non-soil areas that were used for landfills will be delineated and correlated to 830 (Landfills). Some 864 map units (Quarry) were also used for landfills and will be correlated to 830 (Landfills). Map unit 536 (Dumps, mine) will be added to the legend for areas of coal refuse adjacent to the power plant; most of these areas were mapped previously as map unit 284 with spot symbols for dumps.

2) All Urban Land Complex soils are removed from the legend. Those map units are renamed for their orginal soil. The Urban Land unit (533) will remain on the legend.

3) Remove 801 (Orthents, silty) and replace with 801C (Orthents, silty, rolling).

4) Slope ranges will be adjusted to the MLRA slopes and a slope letter added to map units requiring one. Flooding frequency prefixes are added where needed.

CLASSIFICATION OF THE SOILS OF SANGAMON COUNTY, ILLINOIS

(An asterisk in the first column indicates that one or more map units is a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series)

Soil name	Family or higher taxonomic class
Alvin	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
*Assumption	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Blackberry	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
*Broadwell	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Buckhart	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Camden	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Clarksdale	Fine, smectitic, mesic Udollic Endoaqualfs
Cowden	Fine, smectitic, mesic Mollic Albaqualfs
Denny	Fine, smectitic, mesic Mollic Albaqualfs
Edinburg	Fine, smectitic, mesic Vertic Argiaquolls
Elburn	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Elco	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
*Elkhart	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Fayette	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
*Harrison	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Hartsburg	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Herrick	Fine, smectitic, mesic Aquic Argiudolls
Hickory	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Huntsville	Fine-silty, mixed, superactive, mesic Cumulic Hapludolls
Ipava	Fine, smectitic, mesic Aquic Argiudolls
Kendall	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Keomah	Fine, smectitic, mesic Aeric Endoqualfs
Lawson	Fine-silty, mixed, superactive, mesic Aquic Cumulic Hapludolls
Marseilles	Fine-silty, mixed, active, mesic Typic Hapludalfs
Middletown	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Navlys	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Orthents	Fine-silty, mixed, nonacid, active, mesic Aquic Udorthents
*Osco	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Plano	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Proctor	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Radford	Fine-silty, mixed, superactive, mesic Fluvaquentic Hapludolls
Ross	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Rozetta	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Sable	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Sawmill	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Shiloh	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Spaulding	Fine-silty, mixed, superactive, mesic Typic Calciaquolls
*Tama	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Tice	Fine-silty, mixed, superactive, mesic Fluvaquentic Hapludolls
Vesser	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Virden	Fine, smectitic, mesic Vertic Argiaquolls
Worthen	Fine-silty, mixed, superactive, mesic Cumulic Hapludolls
Zook	Fine, smectitic, mesic Cumulic Vertic Endoaquolls

Certifications

The Soil Survey Area 11 Team Leader certifies that:

a) Interpretations have been coordinated with adjoining survey areas.

b) The location of all typical pedons in the survey area are correct and are within delineations that have the referenced name.

c) All typical pedons are correctly classified according to Soil Taxonomy and its amendments.

d) The digital soil maps once completed will be reviewed for accuracy and consistency.

e) Sangamon County has made a quality join with the following survey areas:

SANGAMON COUNTY JOINS WITH CHRISTIAN,
MONTGOMERY, MACOUPIN, MORGAN, CASS,
MENARD, LOGAN AND MACON COUNTIES

The county joins have been reviewed. A quality join will be made with the adjacent counties, based on the following additions to those counties.

Macoupin County, a published survey (July, 1990), is in the process of being updated. The updated legend will result in an exact join with the Sangamon County update legend.

Christian County, a published survey (February, 1994), is in the process of being updated. The updated legend will result in an exact join with the Sangamon County update legend.

Montgomery County, an out of date publication (August, 1969), will add the following Sangamon County map units. The correlation document will not be amended at this time. A record of changes is recorded on soil maps and copies will be filed at the Springfield MLRA Office and the Montgomery County Field Office.

Map units that are added to the Montgomery County Soil Survey are:
259C2 Assumption sil, 5 to 10 percent slopes, eroded
259D2 Assumption sil, 10 to 18 percent slopes, eroded
3074A Radford sicl, 0 to 2 percent slopes, frequently flooded
3107A Sawmill sicl, 0 to 2 percent slopes, frequently flooded

Morgan County, a published survey (September,1988), will add the following Sangamon

County map units. The correlation document will not be amended at this time. A record of changes is recorded on soil maps and copies will be filed at the Springfield MLRA Office and the Morgan County Field Office.

Map units that are added to the Morgan County Soil Survey are:
86B Osco sil, 2 to 5 percent slopes
86C2 Osco sil, 5 to 10 percent slopes, eroded
705B Buckhart sil, 5 to 10 percent slopes
3107A Sawmill sicl, 0 to 2 percent slopes, frequently flooded
3451A Lawson sil, 0 to 2 percent slopes, frequently flooded

Cass County, a published survey (September, 1989), will add the following Sangamon County map units. The correlation document will not be amended at this time. A record of changes is recorded on soil maps and copies will be filed at the Springfield MLRA Office and the Cass County Field Office.

Map units that are added to the Cass County Soil Survey are:
86B Osco sil, 2 to 5 percent slopes
705B Buckhart, 2 to 5 percent slopes

Logan County, an out of date publication (May, 1974), will add the following Sangamon County map units. The correlation document will not be amended at this time. A record of changes is recorded on soil maps and copies will be filed at the Springfield MLRA Office and the Logan County Field Office.

Map units that are added to the Logan County Soil Survey are:
86B Osco sil, 2 to 5 percent slopes
86C2 Osco sil, 5 to 10 percent slopes, eroded
705A Buckhart sil, 0 to 2 percent slopes
705B Buckhart sil, 2 to 5 percent slopes
712A Spaulding sicl, 0 to 2 percent slopes
3074A Radford sil, 0 to 2 percent slopes, frequently flooded
3107A Sawmill sicl, 0 to 2 percent slopes, frequently flooded

Macon County, a published soil survey (April, 1990), will accept the following Sangamon County map units. The correlation document will not be amended at this time. A record of changes is recorded on the soil maps and copies will be filed at the Springfield MLRA Office and the Macon County Field Office.

Map units that are added to the Macon County Soil Survey are:
86B Osco sil, 2 to 5 percent slopes
712A Spaulding sicl, 0 to 5 percent slopes
3107A Sawmill sicl, 0 to 2 percent slopes, frequently flooded
3284A Tice sicl, 0 to 2 percent slopes, frequently flooded

Menard County, an out of date publication (November,1953), will accept map units from Sangamon County when it is updated in the future. The correlation document will not be amended at this time.

Approval Signature and Date

_____	_____	_____	_____
Travis Neely Soil Survey Area 11 Team Leader Indianapolis, Indiana	Date	William J. Gradle State Conservationist Champaign, Illinois	Date