UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CLASSIFICATION AND CORRELATION OF THE SOILS OF MACOUPIN COUNTY, ILLINOIS

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

This correlation was prepared by Bob Tegeler, MLRA Project 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 Steve Elmer, MLRA Project Leader; Jerry Berning, Resource Soil Scientist; Ken Gotsch, Resource Soil Scientist; Bill Teater, Soil Scientist; Jim Hornickel, 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 MACOUPIN COUNTY, ILLINOIS

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
6B2	Fishhook silt loam, 2 to 5 percent slopes, eroded	6B2	Fishhook silt loam, 2 to 5 percent slopes, eroded
6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded	6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded
6C2	FISHHOOK SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, ERODED	6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded
8D2 ***(4)***	HICKORY LOAM, 10 TO 15 PERCENT SLOPES, ERODED	8D2	Hickory loam, 10 to 18 percent slopes, eroded
8D2	Hickory loam, 10 to 18 percent slopes, eroded	8D2	Hickory loam, 10 to 18 percent slopes, eroded
8E2 ***(1)***	HICKORY LOAM, 15 TO 20 PERCENT SLOPES, ERODED	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
8F	Hickory silt loam, 18 to 35 percent slopes	8F	Hickory silt loam, 18 to 35 percent slopes
8F	HICKORY SILT LOAM, 20 TO 30 PERCENT SLOPES	8F	Hickory silt loam, 18 to 35 percent slopes
8E2 ***(2)***	HICKORY LOAM, 15 TO 20 PERCENT SLOPES, ERODED	8F2	Hickory loam, 18 to 35 percent slopes, eroded
8F2	Hickory loam, 18 to 35 percent slopes, eroded	8F2	Hickory loam, 18 to 35 percent slopes, eroded
8F2	HICKORY LOAM, 20 TO 30 PERCENT SLOPES, ERODED	8F2	Hickory loam, 18 to 35 percent slopes, eroded
8G	Hickory silt loam, 35 to 60 percent slopes	8G	Hickory silt loam, 35 to 60 percent slopes
8G	HICKORY SILT LOAM, 30 TO 60 PERCENT SLOPES	8G	Hickory silt loam, 35 to 60 percent slopes
16 ***(3)***	RUSHVILLE SILT LOAM	16A	Rushville silt loam, 0 to 2 percent slopes
16A	Rushville silt loam, 0 to 2 percent slopes	16A	Rushville silt loam, 0 to 2 percent slopes
17 ***(4)***	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
17 ***(5)***	KEOMAH SILT LOAM	17B	Keomah silt loam, 2 to 5 percent slopes
17B	Keomah silt loam, 2 to 5 percent slopes	17B	Keomah silt loam, 2 to 5 percent slopes
16 ***(6)***	RUSHVILLE SILT LOAM	31A	Pierron silt loam, 0 to 2 percent slopes
31A	Pierron silt loam, 0 to 2 percent slopes	31A	Pierron 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
46 ***(4)***	HERRICK 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
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

Soil Correlation Of MACOUPIN COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
113A ***(7)***	Oconee silt loam, 0 to 2 percent slopes	113A	Oconee silt loam, 0 to 2 percent slopes
113B ***(7)***	Oconee silt loam, 2 to 5 percent slopes	113B	Oconee silt loam, 2 to 5 percent slopes
119B2	Elco silt loam, 2 to 5 percent slopes, eroded	119B2	Elco silt loam, 2 to 5 percent slopes, eroded
119C2 ***(4)***	Elco silt loam, 5 to 10 percent slopes, eroded	119C2	Elco silt loam, 5 to 10 percent slopes, eroded
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 15 PERCENT SLOPES, ERODED	119D2	Elco silt loam, 10 to 18 percent slopes, eroded
127B ***(4)***	Harrison silt loam, 2 to 5 percent slopes	127B	Harrison silt loam, 2 to 5 percent slopes
127B ***(8)***	HARRISON SILT LOAM, 2 TO 5 PERCENT SLOPES	127C2	Harrison silt loam, 5 to 10 percent slopes, eroded
127C2 ***(8)***	Harrison silt loam, 5 to 10 percent slopes, eroded	127C2	Harrison silt loam, 5 to 10 percent slopes, eroded
119C2 ***(12)***	ELCO SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	134C2	Camden silt loam, 5 to 10 percent slopes, eroded
134C2	CAMDEN SILT LOAM, 5 TO 12 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
250D	Velma silt loam, 10 to 18 percent slopes	250D	Velma silt loam, 10 to 18 percent slopes
250D	VELMA SILT LOAM, 10 TO 15 PERCENT SLOPES	250D	Velma silt loam, 10 to 18 percent slopes
113A ***(9)***	OCONEE 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	257A	Clarksdale silt loam, 0 to 2 percent slopes
113B ***(9)***	OCONEE SILT LOAM, 2 TO 5 PERCENT SLOPES	257B	Clarksdale silt loam, 2 to 5 percent slopes
257B	Clarksdale silt loam, 2 to 5 percent slopes	257B	Clarksdale silt loam, 2 to 5 percent slopes
259B	Assumption silt loam, 2 to 5 percent slopes	259B	Assumption silt loam, 2 to 5 percent slopes
259B2	Assumption silt loam, 2 to 5 percent slopes, eroded	259B2	Assumption silt loam, 2 to 5 percent slopes, eroded
259C2	Assumption silt loam, 5 to 10 percent slopes, eroded	259C2	Assumption silt loam, 5 to 10 percent slopes, eroded
279A	Rozetta silt loam, 0 to 2 percent slopes	279A	Rozetta silt loam, 0 to 2 percent slopes
279B ***(3),(4)***	Rozetta silt loam, 2 to 5 percent slopes	279B	Rozetta silt loam, 2 to 5 percent slopes
280B ***(4)***	FAYETTE SILT LOAM, 2 TO 5 PERCENT SLOPES	280B2	Fayette silt loam, 2 to 5 percent slopes, eroded
280B2	Fayette silt loam, 2 to 5 percent slopes, eroded	280B2	Fayette silt loam, 2 to 5 percent slopes, eroded

Soil Correlation Of MACOUPIN COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
280C2	Fayette silt loam, 5 to 10 percent slopes, eroded	280C2	Fayette silt loam, 5 to 10 percent slopes, eroded
470B	Keller silt loam, 2 to 5 percent slopes	470B	Keller silt loam, 2 to 5 percent slopes
279B ***(6)***	ROZETTA SILT LOAM, 2 TO 5 PERCENT SLOPES	477B	Winfield silt loam, 2 to 5 percent slopes
477B	Winfield silt loam, 2 to 5 percent slopes	477B	Winfield silt loam, 2 to 5 percent slopes
279C2 ***(6)***	ROZETTA SILT LOAM, 5 TO 10 PERCENT SLOPES, eroded	477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
477C2	Winfield silt loam, 5 to 10 percent slopes, eroded	477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
279C2 ***(16)***	ROZETTA SILT LOAM, 5 TO 10 PERCENT SLOPES, eroded	477C3	Winfield silty clay loam, 5 to 10 percent slopes, severely eroded
477C3	Winfield silty clay loam, 5 to 10 percent slopes, severely eroded	477C3	Winfield silty clay loam, 5 to 10 percent slopes, severely eroded
279B ***(10)***	ROZETTA SILT LOAM, 2 TO 5 PERCENT SLOPES	515B3	Bunkum silty clay loam, 2 to 5 percent slopes, severely eroded
515B3	Bunkum silty clay loam, 2 to 5 percent slopes, severely eroded	515B3	Bunkum silty clay loam, 2 to 5 percent slopes, severely eroded
279C2 ***(10)***	ROZETTA SILT LOAM, 5 TO 10 PERCENT SLOPES, eroded	515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded
515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded	515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded
279C2 ***(17)***	ROZETTA SILT LOAM, 5 TO 10 PERCENT SLOPES, eroded	515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded
515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded	515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded
517 ***(4)***	MARINE SILT LOAM	517A	Marine silt loam, 0 to 2 percent slopes
517A	Marine silt loam, 0 to 2 percent slopes	517A	Marine silt loam, 0 to 2 percent slopes
517 ***(11)***	MARINE SILT LOAM	517B	Marine silt loam, 2 to 5 percent slopes
517B	Marine silt loam, 2 to 5 percent slopes	517B	Marine silt loam, 2 to 5 percent slopes
536	Dumps, mine	536	Dumps, mine
8D2 ***(12)***	HICKORY LOAM, 10 TO 15 PERCENT SLOPES, ERODED	570D2	Martinsville sandy loam, 10 to 18 percent slopes, eroded
570D2	Martinsville sandy loam, 10 to 18 percent slopes, eroded	570D2	Martinsville sandy loam, 10 to 18 percent slopes, eroded
214B ***(4)***	HOSMER SILT LOAM, 2 TO 5 PERCENT SLOPES	582B	Homen silt loam, 2 to 5 percent slopes
582B	Homen silt loam, 2 to 5 percent slopes	582B	Homen silt loam, 2 to 5 percent slopes
279C2 ***(13)***	ROZETTA SILT LOAM, 5 TO 10 PERCENT SLOPES, eroded	582C2	Homen silt loam, 5 to 10 percent slopes, eroded

Soil Correlation Of MACOUPIN COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
582C2	Homen silt loam, 5 to 10 percent slopes, eroded	582C2	Homen silt loam, 5 to 10 percent slopes, eroded
587B	Terril loam, 2 to 5 percent slopes	587B	Terril loam, 2 to 5 percent slopes
120	HUEY SILT LOAM	657A	Burksville silt loam, 0 to 2 percent slopes
657A	Burksville silt loam, 0 to 2 percent slopes	657A	Burksville silt loam, 0 to 2 percent slopes
660C2	Coatsburg silt loam, 5 to 10 percent slopes, eroded	660C2	Coatsburg silt loam, 5 to 10 percent slopes, eroded
660C2	COATSBURG SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED	660C2	Coatsburg silt loam, 5 to 10 percent slopes, eroded
43B	IPAVA 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	705B	Buckhart silt loam, 2 to 5 percent slopes
784G	BERKS LOAM, 30 TO 60 PERCENT SLOPES	713G	Judyville loam, 35 to 60 percent slopes
713G	Judyville loam, 35 to 60 percent slopes	713G	Judyville loam, 35 to 60 percent slopes
802B	Orthents, loamy, undulating	802B	Orthents, loamy, undulating
802E ***(14)***	ORTHENTS, LOAMY, HILLY	802B	Orthents, loamy, undulating
802E ***(15)***	Orthents, loamy, hilly	802E	Orthents, loamy, hilly
830	Landfills	830	Landfills
620B	DARMSTADT SILT LOAM, 2 TO 5 PERCENT SLOPES	880B2	Coulterville-Darmstadt silt loams, 2 to 5 percent slopes, eroded
880B2	Coulterville-Darmstadt silt loams, 2 to 5 percent slopes, eroded	880B2	Coulterville-Darmstadt silt loams, 2 to 5 percent slopes, eroded
882B ***(18)***	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes	882B	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes
885A	Virden-Fosterburg silt loams, 0 to 2 percent slopes	885A	Virden-Fosterburg silt loams, 0 to 2 percent slopes
941	VIRDEN-PIASA COMPLEX	885A	Virden-Fosterburg silt loams, 0 to 2 percent slopes
894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes	894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes
995	HERRICK-PIASA SILT LOAMS	894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes
7C2	ATLAS SILT LOAM, 5 TO 10 PERCENT SLOPES, eroded	897C2	Bunkum-Atlas silt loams, 5 to 10 percent slopes, eroded
897C2	Bunkum-Atlas silt loams, 5 to 10 percent slopes, eroded	897C2	Bunkum-Atlas silt loams, 5 to 10 percent slopes, eroded
7C3	ATLAS SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, severely eroded	897C3	Bunkum-Atlas silty clay loams, 5 to 10 percent slopes, severely eroded

Soil Correlation Of MACOUPIN COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
897C3	Bunkum-Atlas silty clay loams, 5 to 10 percent slopes, severely eroded	897C3	Bunkum-Atlas silty clay loams, 5 to 10 percent slopes, severely eroded
7D2	ATLAS SILT LOAM, 10 TO 15 PERCENT SLOPES, eroded	897D2	Bunkum-Atlas silt loams, 10 to 18 percent slopes, eroded
7E2	ATLAS SILT LOAM, 15 TO 20 PERCENT SLOPES, eroded	897D2	Bunkum-atlas silt loams, 10 to 18 percent slopes, eroded
897D2	Bunkum-Atlas silt loams, 10 to 18 percent slopes, eroded	897D2	Bunkum-Atlas silt loams, 10 to 18 percent slopes, eroded
897D3 ***(11)***	Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded	897D3	Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
914C3 ***(11)***	Atlas-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded	914C3	Atlas-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded
993	COWDEN-PIASA SILT LOAMS	993A	Cowden-Piasa silt loams, 0 to 2 percent slopes
993A	Cowden-Piasa silt loams, 0 to 2 percent slopes	993A	Cowden-Piasa silt loams, 0 to 2 percent slopes
76	OTTER SILT LOAM	3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded	3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
402	COLO SILT 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
73	ROSS SILT LOAM	3304A	Landes fine sandy loam, 0 to 2 percent slopes, frequently flooded
3304A	Landes fine sandy loam, 0 to 2 percent slopes, frequently flooded	3304A	Landes fine sandy loam, 0 to 2 percent slopes, frequently flooded
333	WAKELAND SILT LOAM	3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded	3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
428A	COFFEEN SILT LOAM, 0 TO 3 PERCENT SLOPES	3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded
3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded	3428A	Coffeen silt 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
17 ***(12)***	KEOMAH SILT LOAM	9017A	Keomah silt loam, terrace, 0 to 2 percent slopes

Soil Correlation Of MACOUPIN COUNTY, ILLINOIS-continued

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
517 ***(12)***	MARINE SILT LOAM	9017A	Keomah silt loam, terrace, 0 to 2 percent slopes
9017A	Keomah silt loam, terrace, 0 to 2 percent slopes	9017A	Keomah silt loam, terrace, 0 to 2 percent slopes
46 ***(12)***	HERRICK SILT LOAM	9257A	Clarksdale silt loam, terrace, 0 to 2 percent slopes
9257A	Clarksdale silt loam, terrace, 0 to 2 percent slopes	9257A	Clarksdale silt loam, terrace, 0 to 2 percent slopes
113B ***(12)***	OCONEE SILT LOAM, 2 TO 5 PERCENT SLOPES	9279B	Rozetta silt loam, terrace, 2 to 5 percent slopes
127B ***(12)***	HARRISON SILT LOAM, 2 TO 5 PERCENT SLOPES	9279B	Rozetta silt loam, terrace, 2 to 5 percent slopes
214B ***(12)***	HOSMER SILT LOAM, 2 TO 5 PERCENT SLOPES	9279B	Rozetta silt loam, terrace, 2 to 5 percent slopes
279B ***(12)***	ROZETTA SILT LOAM, 2 TO 5 PERCENT SLOPES	9279B	Rozetta silt loam, terrace, 2 to 5 percent slopes
280B ***(12)***	FAYETTE SILT LOAM, 2 TO 5 PERCENT SLOPES	9279B	Rozetta silt loam, terrace, 2 to 5 percent slopes
9279B	Rozetta silt loam, terrace, 2 to 5 percent slopes	9279B	Rozetta silt loam, terrace, 2 to 5 percent slopes
W	Water	W	Water

(1) Areas with less than 18 percent slopes
(2) Areas with 18 percent slope or more
(3) Cool, mesic areas
(4) Areas on uplands
(5) Joins Jersey County
(6) Warm, mesic areas; Joins Madison County
(7) Areas on uplands, transitional between prairie and forest vegetation in MLRA 114 & 115
(8) Joins Greene, Sangamon and Montgomery Counties
(9) Areas on uplands, transitional between prairie and forest vegetation in MLRA 108 & 115
(10) Severely eroded, somewhat poorly drained soils in warm, mesic areas; joins Madison County
(11) Joins Madison County
(12) Areas on terraces
(13) Moderately eroded, moderately well drained soils with moderately deep loess over pedisediments
(14) Areas with less than 8 percent slopes
(15) Areas with slopes that are dominantly 15 to 35 percent
(16) Severely eroded, moderately well drained, deep loess soils in warm, mesic areas; joins Madison County
(17) Severely eroded, somewhat poorly drained soils with slopes more than 10 percent in warm, mesic areas; joins Madison County
(18) Joins Madison and Montgomery Counties

Series Established by this Correlation and County of Type Location

BUCKHART (Christian Co.)

Series Added from Previously Correlated Legend for Soil Report #131

BIDDLE, BUCKHART, BUNKUM, BURKSVILLE, CLARKSDALE, COULTERVILLE, FOSTERBURG, GRANTFORK, HOMEN, JUDYVILLE, LANDES, MARTINSVILLE, PIERRON, SAWMILL, AND WINFIELD.

Series Dropped from Previously Correlated Legend for Soil Report #131

BERKS, COLO, HOSMER, HUEY, AND ROSS.

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 Macoupin County Soil and Water Conservation District. Financial assistance was made available by the Macoupin County Board and the Illinois Department of Agriculture.

Prior Soil Survey Publications

The last soil survey of Macoupin County was completed in 1984 and published by the United States Department of Agriculture, Soil Conservation Service in July 1990. Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the July 1990 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

Map compilation is being completed by the field soil scientists. The soil maps will be digitized by the Michigan Digitizing Center. Single line streams and drainage and/or irrigation ditches will be compiled as unclassified and will not be designated as perennial or intermittent.

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
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.
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.
LVS	Levee	An embankment to confine or control water, especially one built along the banks of a river to prevent overflow of lowlands.
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.

Label	Name	Description
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.
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)
MACOUPIN COUNTY, ILLINOIS

Field symbols	Publication symbol
6B2	6B2
6C2	6C2
8D2 ***(4)***	8D2
8E2 ***(1)***	8D2
8D3	8D3
8F	8F
8E2 ***(2)***	8F2
8F2	8F2
8G	8G
16 ***(3)***	16A
16A	16A
17 ***(4)***	17A
17A	17A
17 ***(5)***	17B
17B	17B
16 ***(6)***	31A
31A	31A
43A	43A
46 ***(4)***	46A
46A	46A
50	50A
50A	50A
112	112A
112A	112A
113A ***(7)***	113A
113B ***(7)***	113B
119B2	119B2
119C2 ***(4)***	119C2
119D2	119D2
127B ***(4)***	127B
127B ***(8)***	127C2
127C2 ***(8)***	127C2
119C2 ***(12)***	134C2
134C2	134C2
250D	250D
113A ***(9)***	257A
257A	257A
113B ***(9)***	257B
257B	257B
259B	259B
259B2	259B2
259C2	259C2
279A	279A
279B ***(3),(4)***	279B
280B ***(4)***	280B2
280B2	280B2
280C2	280C2
470B	470B
279B ***(6)***	477B
477B	477B
279C2 ***(6)***	477C2
477C2	477C2
279C2 ***(16)***	477C3
477C3	477C3
279B ***(10)***	515B3
515B3	515B3
279C2 ***(10)***	515C3
515C3	515C3
279C2 ***(17)***	515D3
515D3	515D3
517 ***(4)***	517A
517A	517A
517 ***(11)***	517B
517B	517B
536	536
8D2 ***(12)***	570D2
570D2	570D2
214B ***(4)***	582B
582B	582B
279C2 ***(13)***	582C2
582C2	582C2
587B	587B
120	657A
657A	657A
660C2	660C2
43B	705B
705B	705B
784G	713G
713G	713G
802B	802B
802E ***(14)***	802B
802E ***(15)***	802E
830	830
620B	880B2
880B2	880B2
882B ***(18)***	882B
885A	885A
941	885A
894A	894A
995	894A
7C2	897C2
897C2	897C2
7C3	897C3
897C3	897C3
7D2	897D2
7E2	897D2

Conversion Legend-
(By pub. symbol)
continued
MACOUPIN COUNTY, ILLINOIS

Field symbols	Publication symbol
897D2	897D2
897D3 ***(11)***	897D3
914C3 ***(11)***	914C3
993	993A
993A	993A
76	3076A
3076A	3076A
402	3107A
3107A	3107A
73	3304A
3304A	3304A
333	3333A
3333A	3333A
428A	3428A
3428A	3428A
451	3451A
3451A	3451A
17 ***(12)***	9017A
517 ***(12)***	9017A
9017A	9017A
46 ***(12)***	9257A
9257A	9257A
113B ***(12)***	9279B
127B ***(12)***	9279B
214B ***(12)***	9279B
279B ***(12)***	9279B
280B ***(12)***	9279B
9279B	9279B
W	W

(1) Areas with less than 18 percent slopes
(2) Areas with 18 percent slope or more
(3) Cool, mesic areas
(4) Areas on uplands
(5) Joins Jersey County
(6) Warm, mesic areas; Joins Madison County
(7) Areas on uplands, transitional between prairie and forest vegetation in MLRA 114 & 115
(8) Joins Greene, Sangamon and Montgomery Counties
(9) Areas on uplands, transitional between prairie and forest vegetation in MLRA 108 & 115
(10) Severely eroded, somewhat poorly drained soils in warm, mesic areas; joins Madison County
(11) Joins Madison County
(12) Areas on terraces
(13) Moderately eroded, moderately well drained soils with moderately deep loess over pedisediments
(14) Areas with less than 8 percent slopes
(15) Areas with slopes that are dominantly 15 to 35 percent
(16) Severely eroded, moderately well drained, deep loess soils in warm, mesic areas; joins Madison County
(17) Severely eroded, somewhat poorly drained soils with slopes more than 10 percent in warm, mesic areas; joins Madison County
(18) Joins Madison and Montgomery Counties

Conversion Legend
(By field symbol)
MACOUPIN COUNTY, ILLINOIS

Field symbols	Publication symbol
6B2	6B2
6C2	6C2
7C2	897C2
7C3	897C3
7D2	897D2
7E2	897D2
8D2 ***(4)***	8D2
8D2 ***(12)***	570D2
8D3	8D3
8E2 ***(1)***	8D2
8E2 ***(2)***	8F2
8F	8F
8F2	8F2
8G	8G
16 ***(3)***	16A
16 ***(6)***	31A
16A	16A
17 ***(4)***	17A
17 ***(5)***	17B
17 ***(12)***	9017A
17A	17A
17B	17B
31A	31A
43A	43A
43B	705B
46 ***(4)***	46A
46 ***(12)***	9257A
46A	46A
50	50A
50A	50A
73	3304A
76	3076A
112	112A
112A	112A
113A ***(7)***	113A
113A ***(9)***	257A
113B ***(7)***	113B
113B ***(9)***	257B
113B ***(12)***	9279B
119B2	119B2
119C2 ***(4)***	119C2
119C2 ***(12)***	134C2
119D2	119D2
120	657A
127B ***(4)***	127B
127B ***(8)***	127C2
127B ***(12)***	9279B
127C2 ***(8)***	127C2
134C2	134C2
214B ***(4)***	582B
214B ***(12)***	9279B
250D	250D
257A	257A
257B	257B
259B	259B
259B2	259B2
259C2	259C2
279A	279A
279B ***(3), (4)***	279B
279B ***(6)***	477B
279B ***(10)***	515B3
279B ***(12)***	9279B
279C2 ***(6)***	477C2
279C2 ***(16)***	477C3
279C2 ***(10)***	515C3
279C2 ***(17)***	515D3
279C2 ***(13)***	582C2
280B ***(4)***	280B2
280B ***(12)***	9279B
280B2	280B2
280C2	280C2
333	3333A
402	3107A
428A	3428A
451	3451A
470B	470B
477B	477B
477C2	477C2
477C3	477C3
515B3	515B3
515C3	515C3
515D3	515D3
517 ***(4)***	517A
517 ***(11)***	517B
517 ***(12)***	9017A
517A	517A
517B	517B
536	536
570D2	570D2
582B	582B
582C2	582C2
587B	587B
620B	880B2
657A	657A
660C2	660C2
705B	705B

Conversion Legend-
(by field symbol)
continued
MACOUPIN COUNTY, ILLINOIS

Field symbols	Publication symbol
713G	713G
784G	713G
802B	802B
802E ***(14)***	802B
802E ***(15)***	802E
830	830
880B2	880B2
882B ***(18)***	882B
885A	885A
894A	894A
897C2	897C2
897C3	897C3
897D2	897D2
897D3 ***(11)***	897D3
914C3 ***(11)***	914C3
941	885A
993	993A
993A	993A
995	894A
3076A	3076A
3107A	3107A
3304A	3304A
3333A	3333A
3428A	3428A
3451A	3451A
9017A	9017A
9257A	9257A
9279B	9279B
W	W

(1) Areas with less than 18 percent slopes
(2) Areas with 18 percent slope or more
(3) Cool, mesic areas
(4) Areas on uplands
(5) Joins Jersey County
(6) Warm, mesic areas; Joins Madison County
(7) Areas on uplands, transitional between prairie and forest vegetation in MLRA 114 & 115
(8) Joins Greene, Sangamon and Montgomery Counties
(9) Areas on uplands, transitional between prairie and forest vegetation in MLRA 108 & 115
(10) Severely eroded, somewhat poorly drained soils in warm, mesic areas; joins Madison County
(11) Joins Madison County
(12) Areas on terraces
(13) Moderately eroded, moderately well drained soils with moderately deep loess over pedisediments
(14) Areas with less than 8 percent slopes
(15) Areas with slopes that are dominantly 15 to 35 percent
(16) Severely eroded, moderately well drained, deep loess soils in warm, mesic areas; joins Madison County
(17) Severely eroded, somewhat poorly drained soils with slopes more than 10 percent in warm, mesic areas; joins Madison County
(18) Joins Madison and Montgomery Counties

ALPHABETIC LISTING OF MAP UNITS ON THE SOIL MAP LEGEND OF MACOUPIN COUNTY, ILLINOIS

Map symbol	Soil name
259B	ASSUMPTION SILT LOAM, 2 TO 5 PERCENT SLOPES
259B2	ASSUMPTION SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
259C2	ASSUMPTION SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
914C3	ATLAS-GRANTFORK SILTY CLAY LOAMS, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED
705B	BUCKHART SILT LOAM, 2 TO 5 PERCENT SLOPES
515B3	BUNKUM SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES, SEVERELY 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
897C2	BUNKUM-ATLAS SILT LOAMS, 5 TO 10 PERCENT SLOPES, ERODED
897C3	BUNKUM-ATLAS SILTY CLAY LOAMS, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED
897D2	BUNKUM-ATLAS SILT LOAMS, 10 TO 18 PERCENT SLOPES, ERODED
897D3	BUNKUM-ATLAS SILTY CLAY LOAMS, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED
657A	BURKSVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES
134C2	CAMDEN SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
257A	CLARKSDALE SILT LOAM, 0 TO 2 PERCENT SLOPES
257B	CLARKSDALE SILT LOAM, 2 TO 5 PERCENT SLOPES
9257A	CLARKSDALE SILT LOAM, TERRACE, 0 TO 2 PERCENT SLOPES
660C2	COATSBURG SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
3428A	COFFEEN SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
880B2	COULTERVILLE-DARMSTADT SILT LOAMS, 2 TO 5 PERCENT SLOPES, ERODED
112A	COWDEN SILT LOAM, 0 TO 2 PERCENT SLOPES
993A	COWDEN-PIASA SILT LOAMS, 0 TO 2 PERCENT SLOPES
536	DUMPS, MINE
119B2	ELCO SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
119C2	ELCO SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
119D2	ELCO SILT LOAM, 10 TO 18 PERCENT SLOPES, ERODED
280B2	FAYETTE SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
280C2	FAYETTE SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
6B2	FISHHOOK SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED
6C2	FISHHOOK SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
127B	HARRISON SILT LOAM, 2 TO 5 PERCENT SLOPES
127C2	HARRISON SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
46A	HERRICK SILT LOAM, 0 TO 2 PERCENT SLOPES
894A	HERRICK-BIDDLE-PIASA SILT LOAMS, 0 TO 2 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
8F2	HICKORY LOAM, 18 TO 35 PERCENT SLOPES, ERODED
8G	HICKORY SILT LOAM, 35 TO 60 PERCENT SLOPES
582B	HOMEN SILT LOAM, 2 TO 5 PERCENT SLOPES
582C2	HOMEN SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
43A	IPAVA SILT LOAM, 0 TO 2 PERCENT SLOPES
713G	JUDYVILLE LOAM, 35 TO 60 PERCENT SLOPES
470B	KELLER SILT LOAM, 2 TO 5 PERCENT SLOPES
17A	KEOMAH SILT LOAM, 0 TO 2 PERCENT SLOPES
17B	KEOMAH SILT LOAM, 2 TO 5 PERCENT SLOPES
9017A	KEOMAH SILT LOAM, TERRACE, 0 TO 2 PERCENT SLOPES
3304A	LANDES FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
830	LANDFILLS
3451A	LAWSON SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
517A	MARINE SILT LOAM, 0 TO 2 PERCENT SLOPES
517B	MARINE SILT LOAM, 2 TO 5 PERCENT SLOPES
570D2	MARTINSVILLE SANDY LOAM, 10 TO 18 PERCENT SLOPES, ERODED
113A	OCONEE SILT LOAM, 0 TO 2 PERCENT SLOPES
113B	OCONEE SILT LOAM, 2 TO 5 PERCENT SLOPES
882B	OCONEE-COULTERVILLE-DARMSTADT SILT LOAMS, 2 TO 5 PERCENT SLOPES
802E	ORTHENTS, LOAMY, HILLY
802B	ORTHENTS, LOAMY, UNDULATING
3076A	OTTER SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
31A	PIERRON SILT LOAM, 0 TO 2 PERCENT SLOPES
279A	ROZETTA SILT LOAM, 0 TO 2 PERCENT SLOPES

SOIL MAP LEGEND OF MACOUPIN COUNTY, ILLINOIS--Continued

Map symbol	Soil name
279B	ROZETTA SILT LOAM, 2 TO 5 PERCENT SLOPES
9279B	ROZETTA SILT LOAM, TERRACE, 2 TO 5 PERCENT SLOPES
16A	RUSHVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES
3107A	SAWMILL SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
587B	TERRIL LOAM, 2 TO 5 PERCENT SLOPES
250D	VELMA SILT LOAM, 10 TO 18 PERCENT SLOPES
50A	VIRDEN SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES
885A	VIRDEN-FOSTERBURG SILT LOAMS, 0 TO 2 PERCENT SLOPES
3333A	WAKELAND SILT LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
W	WATER
477B	WINFIELD SILT LOAM, 2 TO 5 PERCENT SLOPES
477C2	WINFIELD SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED
477C3	WINFIELD SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED

CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY ANALYSIS

1. Laboratory Data from National Soil Survey Laboratory

Sampled as	Lab number	Pub-sym	Approved Series
Herrick	S60IL-117-1	50A	**Herrick taxadjunct** (Fine-silty, mixed, superactive, mesic Typic Endoaquolls), mapped as inclusion in Virden. Lincoln, NE. lab; SSIR-19, page 135.
Clarksdale	S60IL-117-2	46A	**Oconee**, mapped as inclusion in Herrick . Lincoln, NE. lab; SSIR-19, page 69 .
Clinton	D3981-D3999	279B	**Rozetta**. Beltsville, MD. lab; SSIR-19, page 77.

2. Laboratory Data from University of Illinois Pedology Laboratory

Sampled as	Lab number	Pub-sym	Approved Series
Coffeen	81IL-117-94	3428A	**Coffeen**
Coffeen (loamy)	81IL-117-92	3428A	Series not specified, (Coarse-loamy, mixed, superactive mesic Fluventic Endoaquolls), mapped as inclusion in Coffeen.
Fayette (Clinton)	80IL-117-4	280B2	**Fayette**
Fishhook	80IL-117-5	6C2	**Fishhook**
Herrick	82IL-117-152	46A	**Herrick**
Herrick	80IL-117-8	46A	**Herrick**; poor site, reaction too high; mapped as inclusion in **Herrick**.
Hickory	80IL-117-9	8F	**Hickory**
Hosmer	S59IL-117-1	279B	**Hosmer taxadjunct** (Fine-silty, mixed, superactive, mesic Typic Hapludalfs), mapped as inclusion in Rozetta. SSIR-19, page 147.
Rozetta Variant	80IL-117-22	582B	**Hosmer**, mapped as inclusion in Homen.
Ipava	82IL-117-123	705B	**Ipava**, mapped as inclusion in Buckhart.
Ipava	82IL-117-155	705B	**Ipava taxadjunct** (Fine-silty, mixed, superactive mesic Aquic Argiudolls), mapped as inclusion in Buckhart.
Tama	83IL-117-156	705B	**Ipava taxadjunct** (Fine-silty, mixed, superactive mesic Aquic Argiudolls), mapped as inclusion in Buckhart.
Unnamed Inceptisol	83IL-117-154	713G	**Judyville**
Unnamed Inceptisol	83IL-117-157	713G	**Judyville**
Keomah	80IL-117-11	17A	**Keomah taxadjunct** (Fine-silty, mixed, superactive mesic Aeric Endoaqualfs), mapped as inclusion in Keomah.

Sampled as	Lab number	Pub-sym	Approved Series
Lawson	80IL-117-12	3451A	**Lawson**
Lawson (loamy)	80IL-117-25	3451A	**Lawson taxadjunct** (Coarse-loamy, mixed, superactive mesic Cumulic Hapludolls), mapped as inclusion in Lawson.
Stoy	80IL-117-18	517A	**Marine**
Oconee	80IL-117-14	113A	**Oconee**
Piasa	81IL-117-108	894A	**Piasa**
Piasa	80IL-117-15	993A	**Piasa taxadjunct** (Fine-silty, mixed, superactive mesic Typic Natraqualfs).
Huntsville	82IL-117-135	3304A	**Ross taxadjunct** (Coarse-loamy, mixed, superactive mesic Cumulic Hapludolls), mapped as inclusion in Landes.
Ross	80IL-117-16	3304A	**Ross taxadjunct** (Coarse-loamy, mixed, superactive mesic Cumulic Hapludolls), mapped as inclusion in Landes.
Rozetta (Clinton)	82IL-117-153	279B	**Rozetta**
Weir	80IL-117-21	16A	**Rushville**
Virden	80IL-117-19	50A	**Virden taxadjunct** (Fine-silty, mixed, superactive mesic Typic Argiaquolls), mapped as inclusion in Virden.
Wakeland	80IL-117-20	3333A	**Wakeland**
Wakeland (loamy)	82IL-117-130	3333A	**Wakeland taxadjunct** (Coarse-loamy, mixed, superactive, mesic Aeric Fluvaquents), mapped as inclusion in Wakeland.

3. Engineering Test Data from Illinois Department of Transportation

Sampled as	Lab number	Pub-sym	Approved Series
Atlas	80IL-117-1	897C2	**Atlas**
Colo	81IL-117-74	3107A	**Colo**, mapped as inclusion in Sawmill.
Cowden	80IL-117-2	993A	**Cowden**
Herrick	82IL-117-137	46A	**Herrick**
Hickory	81IL-117-95	8F	**Hickory**
Keomah	81IL-117-89	17A	**Keomah**
Oconee	80IL-117-14	113A	**Oconee**
Weir	80IL-117-21	16A	**Rushville**
Virden	80IL-117-19	50A	**Virden taxadjunct** (Fine-silty, mixed, superactive, mesic Typic Argiaquolls), mapped as inclusion in Virden.
Wakeland	80IL-117-20	3333A	**Wakeland**

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

PREPARED BY
BOB TEGELER
7/6/99

ASSUMPTION SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 259B from Henry County (79IL-073-113), also the OSD site. Map units 259B2 and 259C2 are taxadjuncts because the dark colored surface layer is too thin for a mollic epipedon. The taxadjunct classifies as fine-silty, mixed,superactive, mesic Oxyaquic Hapludalfs.

ATLAS SERIES - Previously correlated for Soil Report #131. The Atlas map units will be correlated to the Bunkum-Atlas Complex, (897C2, 897C3, 897D2, 897D3). The typical pedon for the Atlas taxonomic unit is 7C2 the OSD site from Adams County (95IL-001-014). The mapunit 914C3 Atlas-Grantfork will be added to the subset legend with this correlation. Mapunits 897D3 and 914C3 will occur along the Madison County line only, to achieve an exact join.

BERKS SERIES - See notes for Judyville series.

BIDDLE SERIES - This series is added to the subset legend with this correlation. It is added as a component of the Herrick-Piasa complex correlated for Soil Report #131, and is now Herrick-Biddle-Piasa (894A). The subset taxonomic unit for Biddle is from St. Clair County.

BUCKHART SERIES - The Buckhart series is established by this correlation for those soils previously correlated for Soil Report #131 as 43B (Ipava) on broad upland landscapes. The typical pedon for the subset taxonomic unit is 705B the OSD type location from Christian County, (99IL-021-003).

BUNKUM SERIES - Bunkum is added to the subset legend with this correlation, as a complex with Atlas 897C2, 897C3, 897D2, 897D3, and as a consociation 515B3, 515C3, and 515D3. The consociations are for the join with Madison County only to achieve an exact join. The typical pedon for the subset taxonomic unit is 515C2, from Adams County, (97IL-001-022).

BURKSVILLE SERIES - This soil is added to the legend with this correlation. Previously correlated for Soil Report #131 as Huey. Huey will be correlated to Burksville (657A) with this correlation. The typical pedon for the subset taxonomic unit is from Monroe County.

CAMDEN SERIES - Previously correlated for Soil Report #131 The typical pedon for the subset taxonomic unit is 134C2 from Fulton County (94IL-057-153).

CLARKSDALE SERIES - Map units 257A, 257B, and 9257A are added to the subset legend with this correlation. The Clarksdale series will replace those soils previously correlated for Soil Report #131 as Oconee series, in the northwestern part of the county only. The 9257A units are found on terraces of Macoupin Creek. The typical pedon for the subset taxonomic unit is the OSD location in Christian County, (95IL-021-010).

COATSBURG SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 660C2 the OSD site from Adams County, (95IL-001-035). Map unit 660C2 is a taxadjunct because the dark colored surface layer is too thin for a mollic epipedon. The taxadjunct classifies as fine, smectitic, mesic Vertic Epiaqualfs.

COFFEEN SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 3428A, a frequently flooded phase from Macoupin County, (81IL-117-078).

COLO SERIES - See notes for Sawmill series.

COULTERVILLE SERIES - Coulterville is added to the subset legend with this correlation. It is in complex with Darmstadt (880B2). The typical pedon for the subset taxonomic unit is from Monroe County.

COWDEN SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 112A the OSD type location from Montgomery County.

DARMSTADT SERIES - Previously correlated for Soil Report #131. Darmstadt will be correlated to Coulterville-Darmstadt (880B2) with this correlation. The typical pedon for the subset taxonomic unit is from St. Clair County. Darmstadt was previously correlated as a taxadjunct (natric horizon too deep) with this correlation the taxadjunct statement is no longer needed.

ELCO SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 119D the OSD site from Sangamon County, (97IL-167-026).

FAYETTE SERIES - Previously correlated for Soil Report #131 as 280B, correlated to 280B2 with this correlation. The typical pedon for the subset taxonomic unit (280B2) is from Fulton County, (93IL-057-129).

FISHHOOK SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 6C2 the type location from Adams County (95IL-001-009). Note: the 6B2 pedon has silt loam in the upper B horizon, and lacks coarse fragments in the paleosol, both items are required in the OSD range.

FOSTERBURG SERIES - This series is added to the subset legend with this correlation. It replaces Piasa in the Virden-Piasa complex, now Virden-Fosterburg complex (885A). The subset taxonomic unit is from St. Clair County.

GRANTFORK SERIES - Map unit 914C3 Atlas-Grantfork is added to the subset legend with this correlation. It will be used along the Madison County line only, to achieve an exact join with Madison County. The typical pedon for Grantfork will come from Madison County.

HARRISON SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 127B the OSD type location from Christian County, (83IL-021-024). Mapunit 127C2 is added to the legend for exact joins with Greene, Montgomery, and Sangamon Counties. Map unit 127C2 is a taxadjunct because the dark colored surface layer is too thin for a mollic epipedon. The taxadjunct classifies as fine silty, mixed, superactive, mesic Oxyaquic Hapludalfs.

HERRICK SERIES - Previously correlated for Soil Report #131. 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 #131. The typical pedon for the subset taxonomic unit is 8G from Cass County (97IL-017-002). Map unit 8D3 is added to the subset legend to achieve an exact join with Madison County.
Map unit 8E2 will be correlated to 8D2 or 8F2 based on USGS topographic maps. 8D2 and 8E2 map units on terrace areas of Macoupin Creek will be correlated to Martinsville 570D2. Note: the 8F2 pedon is less than 40 inches to the base of the argillic horizon, a requirement in the OSD range.

HOMEN SERIES - This series is added to the subset legend with this correlation. Previously correlated for Soil Report #131 as Hosmer. Hosmer will be correlated to Homen (582B) with this correlation. The typical pedon for the subset taxonomic unit is the OSD from Randolph County. Map unit 279C2 is correlated to Homen 582C2, see Rozetta notes.

HOSMER SERIES - See notes for Homen series.

HUEY SERIES - See notes for Burksville series.

IPAVA SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 43A the OSD type location from Knox County, (78IL-095-016). Map unit 43B is correlated to Buckhart 705B, see Buckhart remarks.

JUDYVILLE SERIES - Previously correlated as Berks for Soil Report #131. The typical pedon for the subset taxonomic unit is from Macoupin County, (83IL-117-157). The Berks Series had been previously correlated with a note that the A horizon had less rock fragments than required for that series. The rock fragment content is within the range for the Judyville Series. The type of bedrock in Macoupin County also fits better with the Judyville Series.

KELLER SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 470C the OSD type location from Brown County (95IL-009-026).

KEOMAH SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 17A from Adams County (95IL-001-023). Map unit 17B will be added with this correlation to achieve an exact join with Jersey County, and will be used along the Jersey County line only. Map unit 9017A will be added with this correlation for areas of Keomah on terraces of Macoupin Creek.

LANDES SERIES - This series is added to the subset legend with this correlation. Previously correlated as Ross for Soil Report #131. It was classified as a coarse-loamy taxadjunct. Ross will be correlated to Landes (3304A) in this subset correlation. The typical pedon for the taxonomic unit is the OSD location from Cass County, (82IL-017-017).

LAWSON SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 3451A from Adams County (97IL-001-014).

MARINE SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is from Madison County. Map unit 517B is added to the subset legend to achieve an exact join with Madison County.

MARTINSVILLE SERIES - Map unit 570D2 is added to the subset legend with this correlation. This series replaces those soils previously correlated for Soil Report #131 as Hickory 8D2, and 8E2 on terraces along Macoupin Creek. The typical pedon for the subset taxonomic unit is from Champaign County (77IL-019-014). Note: the Martinsville 570D2 pedon has a lower ph in the B and C horizons, lacks carbonates and has a higher sand content in the lower B and C horizons than allowed in the range in characteristics.

OCONEE SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 113B the OSD type location from Madison County. Oconee map units in the northwestern corner of Macoupin County will be correlated to Clarksdale, see Clarksdale remarks. Oconee-Coulterville-Darmstadt Complex, this complex (882B) will be added to the legend with this correlation to achieve an exact join with Madison County, and will be used only along the Madison County and Montgomery County lines.

ORTHENTS, LOAMY - Previously correlated for Soil Report #131. Areas of 802E will be correlated to 802B, based on field investigations. 802B will be added to the subset legend with this correlation.

OTTER SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is from Macoupin County (3076A), (81IL-117-110).

PIERRON SERIES - Map unit 31A is added to the legend with this correlation. Areas of Rushville soils along the Madison County line will be correlated to Pierron to achieve an exact join with Madison County. The typical pedon for the subset taxonomic unit is from St. Clair County. Pierron is in the warm mesic areas, while Rushville is in the cool mesic areas.

PIASA SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is the OSD type location from Montgomery County. The Virden-Piasa complex will be correlated to Virden-Fosterburg (885A) with this correlation. The Piasa in the Cowden-Piasa complex (993A) was a taxadjunct for dry surface color, it will not be a taxadjunct with this correlation.

ROSS SERIES - See Landes remarks.

ROZETTA SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 279B from Fulton County (IL95-057-01). Map unit 279C2 was correlated with a note stating a higher content of sand in the lower part of the solum. These units will be correlated to Homen (582C2) with this correlation. Map unit 9279B will be added to the subset legend with this correlation to address areas of 279B on terraces of Macoupin Creek.

RUSHVILLE SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 16A from Adams County (IL95-001-038). Areas along the Madison County line will be correlated to Pierron to achieve an exact join. See Pierron notes.

SAWMILL SERIES - This series is added to the subset legend with this correlation, and replaces those soils that were previously mapped as the Colo series. Colo soils in Macoupin County are correlated to Sawmill to achieve an exact join with Sangamon County. The typical pedon for the subset taxonomic unit is 3107A the OSD type location from Sangamon County.

TERRIL SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 587B from Putnam County. Note: 3 chroma in A horizons is not in OSD range.

VIRDEN SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 50A the OSD type location from Adams County, (95IL-001-028). The Virden component for the Virden-Fosterburg complex is from St. Clair County.

VELMA SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 250D the OSD type location from Macoupin County, (82IL-117-132).

WAKELAND SERIES - Previously correlated for Soil Report #131. The typical pedon for the subset taxonomic unit is 3333A from Adams County (97IL-001-012).

WINFIELD SERIES - Map unit 477B, 477C2, and 477C3 are added to the subset legend with this correlation, but will be used only along the join with Madison County and Jersey County to achieve an exact join. The typical pedon for the subset taxonomic unit is from St. Clair County.

SPECIAL NOTE:

1) Areas of 802B that were for landfills will be correlated to 830 (Landfills).

2) Slope ranges will be adjusted to fit the MLRA slope ranges. Flooding frequency prefixes, and slope letters will be added to map units where needed.

3)The separation between the cool, mesic area and the warm, mesic area in Macoupin County follows the line established statewide that runs horizontally across the state just north of the Madison County line.

CLASSIFICATION OF THE SOILS OF MACOUPIN 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
*Assumption	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Atlas	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Biddle	Fine, smectitic, mesic Aquertic Argiudolls
Buckhart	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Bunkum	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Burksville	Fine-silty, mixed, superactive, mesic Typic Epiaqualfs
Camden	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Clarksdale	Fine, smectitic, mesic Aeric Vertic Epiaqualfs
*Coatsburg	Fine, smectitic, mesic Vertic Argiaquolls
Coffeen	Coarse-silty, mixed, superactive, mesic Fluvaquentic Hapludolls
Coulterville	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Cowden	Fine, smectitic, mesic Vertic Albaqualfs
Darmstadt	Fine-silty, mixed, superactive, mesic Albic Natraqualfs
Elco	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Fayette	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Fishhook	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Fosterburg	Fine, smectitic, mesic Vertic Argiaquolls
Grantfork	Fine-loamy, mixed, mesic Aeric Epiaqualfs
*Harrison	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Herrick	Fine, smectitic, mesic Aquertic Argiudolls
Hickory	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Homen	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Ipava	Fine, smectitic, mesic Aquertic Argiudolls
Judyville	Loamy-skeletal, mixed, active, mesic Typic Dystrudepts
Keller	Fine-silty, mixed, mesic Aquic Argiudolls
Keomah	Fine, smectitic, mesic Aeric Endoaqualfs
Landes	Coarse-loamy, mixed, superactive, mesic Fluventic Hapludolls
Lawson	Fine-silty, mixed, superactive, mesic Aquic Cumulic Hapludolls
Marine	Fine, smectitic, mesic Aeric Vertic Albaqualfs
Martinsville	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Oconee	Fine, smectitic, mesic Udollic Epiaqualfs
Orthents	Fine-loamy, mixed, nonacid, mesic Typic Udorthents
Otter	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Piasa	Fine, smectitic, mesic Vertic Natraqualfs
Pierron	Fine, smectitic, mesic Chromic Vertic Albaqualfs
Rozetta	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Rushville	Fine, smectitic, mesic Typic Albaqualfs
Sawmill	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Terril	Fine-loamy, mixed, superactive, mesic Cumulic Hapludolls
Velma	Fine-loamy, mixed, active, mesic Typic Argiudolls
Virden	Fine, smectitic, mesic Vertic Argiaquolls
Wakeland	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Winfield	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs

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

MACOUPIN COUNTY JOINS WITH SANGAMON, MONTGOMERY, MADISON, JERSEY, GREENE, AND MORGAN 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.

Sangamon County, a published survey (May 1980) in the process of being updated, will add the following Macoupin County map units to its update legend:

119C2	Elco silt loam, 5 to 10 percent slopes, eroded
127B	Harrison silt loam, 2 to 5 percent slopes

Montgomery County, an out of date publication (Aug. 1969), will add the following Macoupin 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 on the "Official Copy" of the Montgomery County Soil Survey at the Hillsboro Field Office.

Map units that are added to the Montgomery County Soil Survey are:

6C2	Fishhook silt loam, 5 to 10 percent slopes, eroded
31A	Pierron silt loam, 0 to 2 percent slopes
259C2	Assumption silt loam, 5 to 10 percent slopes, eroded
517A	Marine silt loam, 0 to 2 percent slopes
582C2	Homen silt loam, 5 to 10 percent slopes, eroded
802B	Orthents loamy, undulating
802E	Orthents, loamy, hilly
882B	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded

Madison County, a published soil survey (March 1986) is in the process of being updated. A quality join will be made with the update legend.

Jersey County, an out of date publication (Dec. 1966), will accept the following Macoupin 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 on the "Official Copy" of the Jersey County Soil Survey at the Jerseyville Field Office.

Map units that are added to the Jersey County Soil Survey are:

8D2	Hickory loam, 10 to 18 percent slopes, eroded
113A	Oconee silt loam, 0 to 2 percent slopes
113B	Oconee silt loam, 2 to 5 percent slopes
119C2	Elco silt loam, 5 to 10 percent slopes, eroded
119D2	Elco silt loam, 10 to 18 percent slopes, eroded
257B	Clarksdale silt loam, 2 to 5 percent slopes
259C2	Assumption silt loam, 5 to 10 percent slopes, eroded
477B	Winfield silt loam, 2 to 5 percent slopes
885A	Virden-Fosterburg silt loams, 0 to 2 percent slopes
894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes
993A	Cowden-Piasa silt loams, 0 to 2 percent slopes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded

Greene County, a published soil survey (Dec. 1974), will accept the following Macoupin 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 on the "Official Copy" of the Greene County Soil Survey at the Carrollton Field Office.

Map units that are added to the Greene County Soil Survey are:

8D2	Hickory loam, 10 to 18 percent slopes, eroded
8F	Hickory silt loam, 18 to 35 percent slopes
8G	Hickory silt loam, 35 to 60 percent slopes
43A	Ipava silt loam, 0 to 2 percent slopes
50A	Virden silty clay loam, 0 to 2 percent slopes
119C2	Elco silt loam, 5 to 10 percent slopes, eroded
119D2	Elco silt loam, 10 to 18 percent slopes, eroded
127C2	Harrison silt loam, 5 to 10 percent slopes, eroded
259C2	Assumption silt loam, 5 to 10 percent slopes, eroded
279B	Rozetta silt loam, 2 to 5 percent slopes
582C2	Homen silt loam, 5 to 10 percent slopes, eroded
705B	Buckhart silt loam, 2 to 5 percent slopes
713G	Judyville loam, 35 to 60 percent slopes
3304A	Landes fine sandy loam, 0 to 2 percent slopes, frequently flooded

Apple Creek at county line will be changed to a single line stream.

Morgan County, a published soil survey (Morgan and Scott)(Sept. 1988), will accept the following Macoupin 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 on the “Official Copy” of the Morgan and Scott Counties Soil Survey at the Jacksonville Field Office.

Map units that are added to the Morgan and Scott Counties Soil Survey are:
8F2 Hickory loam, 18 to 35 percent slopes, eroded.

Approval Signature and Date

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