

United States Department of Agriculture
Natural Resources Conservation Service

Classification and Correlation of the Soils of
Madison County, Illinois

A Subset of MLRA's 114 and 115B

February 2001

This correlation was prepared by Gary R. Struben, Soil Data Quality Specialist (SDQS) MLRA Region 11 team, Indianapolis, Indiana, and Samuel J. Indorante, MLRA team leader, Carbondale, Illinois. Randy Leeper provided much of the information relating to the recorrelation of the soils in Madison County. This document is prepared as part of the update of the Soil Survey of Madison County, a subset of MLRA's 114 and 115B. This correlation is based on decisions made at that conference. Decisions were based on documentation of field investigations, transect data, field notes, pedon descriptions, laboratory data, available Madison County soil maps, and the descriptive legend in the "Classification and Correlation of the Soils of Madison County, Illinois," July 1982.

Headnote for detailed soil survey legend:

This update of Madison County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Areas (MLRA) 114 and 115B. Map units and their symbols and special and conventional symbols are consistent between subsets that are being updated. Most map unit symbols consist of 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, except for the letter "L", which indicates long duration flooding. A final number of 2 following the slope letter indicates that the soil is moderately eroded, and a number 3 indicates that it is severely eroded. Absence of a number following the slope class indicates that the soil is slightly eroded or non-eroded. Three digit symbols without a slope letter are for miscellaneous areas. Water is identified by the letter "W" and miscellaneous water is identified by "M-W".

**SOIL CORRELATION OF
MADISON COUNTY, ILLINOIS
February 2001**

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded	8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8E3	Hickory clay loam, 12 to 20 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
16	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
165	Weir silt loam	31A	Pierron silt loam, 0 to 2 percent slopes
35F	Bold silt loam, 18 to 35 percent slopes	35F	Bold silt loam, 18 to 35 percent slopes
41B	Muscatine silt loam, 1 to 4 percent slopes	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	Viriden silty clay loam	50A	Viriden silt loam, 0 to 2 percent slopes
50A	Viriden silt loam, 0 to 2 percent slopes	50A	Viriden silt loam, 0 to 2 percent slopes
68	Sable silty clay loam	50A	Viriden silt loam, 0 to 2 percent slopes
79B	Menfro silt loam, 2 to 5 percent slopes	79B	Menfro silt loam, 2 to 5 percent slopes
280B	Fayette silt loam, 2 to 5 percent slopes	79B	Menfro silt loam, 2 to 5 percent slopes
79C2	Menfro silt loam, 5 to 10 percent slopes, eroded	79C2	Menfro silt loam, 5 to 10 percent slopes, eroded
280C2	Fayette silt loam, 5 to 10 percent slopes, eroded	79C2	Menfro silt loam, 5 to 10 percent slopes, eroded
79D2	Menfro silt loam, 10 to 18 percent slopes, eroded	79D2	Menfro silt loam, 10 to 18 percent slopes, eroded
280D2	Fayette silt loam, 10 to 15 percent slopes, eroded	79D2	Menfro silt loam, 10 to 18 percent slopes, eroded
79C3	Menfro silty clay loam, 5 to 10 percent slopes, severely eroded	79C3	Menfro silty clay loam, 5 to 10 percent slopes, severely eroded
79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded	79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded
280E3	Fayette silty clay loam, 15 to 20 percent slopes, severely eroded	79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded
79F	Menfro silt loam, 18 to 35 percent slopes	79F	Menfro silt loam, 18 to 35 percent slopes
280F	Fayette silt loam, 15 to 30 percent slopes	79F	Menfro silt loam, 18 to 35 percent slopes
79F3	Menfro silty clay loam, 18 to 35 percent slopes, severely eroded	79F3	Menfro silty clay loam, 18 to 35 percent slopes, severely eroded
79G	Menfro silt loam, 35 to 60 percent slopes	79G	Menfro silt loam, 35 to 60 percent slopes
61B	Atterberry silt loam, 1 to 4 percent slopes	90A	Bethalto silt loam, 0 to 2 percent slopes
90A	Bethalto silt loam, 0 to 2 percent slopes	90A	Bethalto silt loam, 0 to 2 percent slopes
113B	Oconee silt loam, 1 to 5 percent slopes	90A	Bethalto silt loam, 0 to 2 percent slopes

SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
113A	Oconee silt loam, 0 to 2 percent slopes	113A	Oconee silt loam, 0 to 2 percent slopes
61B	Atterberry silt loam, 1 to 4 percent slopes	113B	Oconee silt loam, 2 to 5 percent slopes
113B	Oconee silt loam, 2 to 5 percent slopes	113B	Oconee silt loam, 2 to 5 percent slopes
119C3	Elco silty clay loam, 5 to 10 percent slopes, severely eroded	119C3	Elco silty clay loam, 5 to 10 percent slopes, severely 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, 10 to 18 percent slopes, severely eroded	119D3	Elco silty clay loam, 10 to 18 percent slopes, severely eroded
16	Rushville silt loam	165A	Weir silt loam, 0 to 2 percent slopes
165	Weir silt loam	165A	Weir silt loam, 0 to 2 percent slopes
165A	Weir silt loam, 0 to 2 percent slopes	165A	Weir silt loam, 0 to 2 percent slopes
267A	Caseyville silt loam, 0 to 2 percent slopes	267A	Caseyville silt loam, 0 to 2 percent slopes
278A	Stronghurst silt loam, 0 to 2 percent slopes	267A	Caseyville silt loam, 0 to 2 percent slopes
517A	Marine silt loam, 0 to 2 percent slopes	267A	Caseyville silt loam, 0 to 2 percent slopes
267B	Caseyville silt loam, 2 to 5 percent slopes	267B	Caseyville silt loam, 2 to 5 percent slopes
278B	Stronghurst silt loam, 2 to 5 percent slopes	267B	Caseyville silt loam, 2 to 5 percent slopes
517B	Marine silt loam, 2 to 5 percent slopes	267B	Caseyville silt loam, 2 to 5 percent slopes
127B	Harrison silt loam, 2 to 5 percent slopes	283B	Downsouth silt loam, 2 to 5 percent slopes
283B	Downsouth silt loam, 2 to 5 percent slopes	283B	Downsouth silt loam, 2 to 5 percent slopes
386B	Downs silt loam, 2 to 5 percent slopes	283B	Downsouth silt loam, 2 to 5 percent slopes
127C2	Harrison silt loam, 5 to 10 percent slopes, eroded	283C2	Downsouth silt loam, 5 to 10 percent slopes, eroded
283C2	Downsouth silt loam, 5 to 10 percent slopes, eroded	283C2	Downsouth silt loam, 5 to 10 percent slopes, eroded
386C2	Downs silt loam, 5 to 10 percent slopes, eroded	283C2	Downsouth silt loam, 5 to 10 percent slopes, eroded
41B	Muscatine silt loam, 1 to 4 percent slopes	384A	Edwardsville silt loam, 0 to 2 percent slopes
46A	Herrick silt loam, 0 to 3 percent slopes	384A	Edwardsville silt loam, 0 to 2 percent slopes
384A	Edwardsville silt loam, 0 to 2 percent slopes	384A	Edwardsville silt loam, 0 to 2 percent slopes
50	Viriden silty clay loam	385A	Mascoutah silty clay loam, 0 to 2 percent slopes
68	Sable silty clay loam	385A	Mascoutah silty clay loam, 0 to 2 percent slopes
385A	Mascoutah silty clay loam, 0 to 2 percent slopes	385A	Mascoutah silty clay loam, 0 to 2 percent slopes
127B	Harrison silt loam, 2 to 5 percent slopes	438B	Aviston silt loam, 2 to 5 percent slopes

SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
386B	Downs silt loam, 2 to 5 percent slopes	438B	Aviston silt loam, 2 to 5 percent slopes
438B	Aviston silt loam, 2 to 5 percent slopes	438B	Aviston silt loam, 2 to 5 percent slopes
127C2	Harrison silt loam, 5 to 10 percent slopes, eroded	438C2	Aviston silt loam, 5 to 10 percent slopes, eroded
386C2	Downs silt loam, 5 to 10 percent slopes, eroded	438C2	Aviston silt loam, 5 to 10 percent slopes, eroded
438C2	Aviston silt loam, 5 to 10 percent slopes, eroded	438C2	Aviston silt loam, 5 to 10 percent slopes, eroded
386B	Downs silt loam, 2 to 5 percent slopes	441B	Wakenda silt loam, 2 to 5 percent slopes
441B	Wakenda silt loam, 2 to 5 percent slopes	441B	Wakenda silt loam, 2 to 5 percent slopes
386C2	Downs silt loam, 5 to 10 percent slopes, eroded	441C2	Wakenda silt loam, 5 to 10 percent slopes, eroded
441C2	Wakenda silt loam, 5 to 10 percent slopes, eroded	441C2	Wakenda silt loam, 5 to 10 percent slopes, eroded
474	Piasa silt loam	474A	Piasa silt loam, 0 to 2 percent slopes
474A	Piasa silt loam, 0 to 2 percent slopes	474A	Piasa silt loam, 0 to 2 percent slopes
214B	Hosmer silt loam, 2 to 5 percent slopes	477B	Winfield silt loam, 2 to 5 percent slopes
279B	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
279B3	Rozetta silty clay loam, 2 to 5 percent slopes, severely eroded	477B3	Winfield silty clay loam, 2 to 5 percent slopes, severely eroded
477B3	Winfield silty clay loam, 2 to 5 percent slopes, severely eroded	477B3	Winfield silty clay loam, 2 to 5 percent slopes, severely eroded
279C2	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
279C3	Rozetta 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	477C3	Winfield silty clay loam, 5 to 10 percent slopes, severely eroded
279D3	Rozetta silty clay loam, 10 to 15 percent slopes, severely eroded	477D3	Winfield silty clay loam, 10 to 18 percent slopes, severely eroded
477D3	Winfield silty clay loam, 10 to 18 percent slopes, severely eroded	477D3	Winfield silty clay loam, 10 to 18 percent slopes, severely eroded
280B	Fayette silt loam, 2 to 5 percent slopes	491B	Ruma silt loam, 2 to 5 percent slopes
491B	Ruma silt loam, 2 to 5 percent slopes	491B	Ruma silt loam, 2 to 5 percent slopes
583B	Pike silt loam, 2 to 5 percent slopes	491B	Ruma silt loam, 2 to 5 percent slopes
280C2	Fayette silt loam, 5 to 10 percent slopes, eroded	491C2	Ruma silt loam, 5 to 10 percent slopes, eroded
491C2	Ruma silt loam, 5 to 10 percent slopes, eroded	491C2	Ruma silt loam, 5 to 10 percent slopes,

eroded
SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publi- cation symbol	Approved map unit name
583C2	Pike silt loam, 5 to 10 percent slopes, eroded	491C2	Ruma silt loam, 5 to 10 percent slopes, eroded
280D2	Fayette silt loam, 10 to 15 percent slopes, eroded	491D2	Ruma silt loam, 10 to 18 percent slopes, eroded
491D2	Ruma silt loam, 10 to 18 percent slopes, eroded	491D2	Ruma silt loam, 10 to 18 percent slopes, eroded
583D2	Pike silt loam, 10 to 15 percent slopes, eroded	491D2	Ruma silt loam, 10 to 18 percent slopes, eroded
280E3	Fayette silty clay loam, 15 to 20 percent slopes, severely eroded	491D3	Ruma silty clay loam, 10 to 18 percent slopes, severely eroded
491D3	Ruma silty clay loam, 10 to 18 percent slopes, severely eroded	491D3	Ruma silty clay loam, 10 to 18 percent slopes, severely eroded
279B3	Rozetta 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	515B3	Bunkum silty clay loam, 2 to 5 percent slopes, severely eroded
279C3	Rozetta 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	515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded
279D3	Rozetta silty clay loam, 10 to 15 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	515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded
278A	Stronghurst 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	517A	Marine silt loam, 0 to 2 percent slopes
278B	Stronghurst 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	517B	Marine silt loam, 2 to 5 percent slopes
533	Urban land	533	Urban land
536	Dumps	536	Dumps
581B2	Tamalco silt loam, 2 to 5 percent slopes, eroded	581B2	Tamalco silt loam, 2 to 5 percent slopes, eroded
214B	Hosmer silt loam, 2 to 5 percent slopes	582B	Homen silt loam, 2 to 5 percent slopes
279B	Rozetta 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	Rozetta silt loam, 5 to 10 percent slopes, eroded	582C2	Homen silt loam, 5 to 10 percent slopes, eroded
582C2	Homen silt loam, 5 to 10 percent slopes, eroded	582C2	Homen silt loam, 5 to 10 percent slopes, eroded
585E	Negley loam, 15 to 25 percent slopes	585F	Negley loam, 18 to 35 percent slopes
585F	Negley loam, 18 to 35 percent slopes	585F	Negley loam, 18 to 35 percent slopes

SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
19D3	Sylvan silty clay loam, 10 to 15 percent slopes, severely eroded	630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded
630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded	630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded
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
701F	Menfro-Hickory silt loams, 18 to 35 percent slopes	701F	Menfro-Hickory silt loams, 18 to 35 percent slopes
936F	Fayette-Hickory complex, 15 to 30 percent slopes	701F	Menfro-Hickory silt loams, 18 to 35 percent slopes
280F	Fayette silt loam, 15 to 30 percent slopes	702F	Ruma-Hickory silt loams, 18 to 35 percent slopes
702F	Ruma-Hickory silt loams, 18 to 35 percent slopes	702F	Ruma-Hickory silt loams, 18 to 35 percent slopes
936F	Fayette-Hickory complex, 15 to 30 percent slopes	702F	Ruma-Hickory silt loams, 18 to 35 percent slopes
703A	Pierron-Burksville silt loams, 0 to 2 percent slopes	703A	Pierron-Burksville silt loams, 0 to 2 percent slopes
920	Rushville-Huey silt loams	703A	Pierron-Burksville silt loams, 0 to 2 percent slopes
801B	Orthents, silty, undulating	801B	Orthents, silty, undulating
801D	Orthents, silty, hilly	801D	Orthents, silty, hilly
801E	Orthents, silty, steep	801D	Orthents, silty, hilly
802B	Orthents, loamy, undulating	802B	Orthents, loamy, undulating
802D	Orthents, loamy, hilly	802D	Orthents, loamy, hilly
802E	Orthents, loamy, steep	802D	Orthents, loamy, hilly
864	Pits, quarries	864	Pits, quarries
865	Pits, gravel	865	Pits, gravel
867	Oil waste land	867	Oil waste land
620C3	Darmstadt silty clay loam, 3 to 8 percent slopes, severely eroded	878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded
878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded	878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded
620B2	Darmstadt silt loam, 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	880B2	Coulterville-Darmstadt silt loams, 2 to 5 percent slopes, eroded
882B	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes	882B	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes
916B	Darmstadt-Oconee silt loams, 1 to 5 percent	882B	Oconee-Coulterville-Darmstadt silt loams, 2

slopes

to 5 percent slopes

SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
885A	Viriden-Fosterburg silt loams, 0 to 2 percent slopes	885A	Viriden-Fosterburg silt loams, 0 to 2 percent slopes
941	Viriden-Piasa silt loams	885A	Viriden-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
7D3	Atlas silty clay loam, 10 to 15 percent slopes, severely eroded	897D3	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	897D3	Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
914C3	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
914D3	Atlas-Grantfork silty clay loams, 10 to 18 percent slopes, severely eroded	914D3	Atlas-Grantfork silty clay loams, 10 to 18 percent slopes, severely eroded
962D2	Sylvan-Bold silt loams, 10 to 18 percent slopes, eroded	962D2	Sylvan-Bold silt loams, 10 to 18 percent slopes, eroded
962E2	Sylvan-Bold silt loams, 15 to 20 percent slopes,	962D2	Sylvan-Bold silt loams, 10 to 18 percent slopes, eroded
962F	Sylvan-Bold silt loams, 20 to 30 percent slopes	962F2	Sylvan-Bold silt loams, 18 to 35 percent slopes, eroded
962F2	Sylvan-Bold silt loams, 18 to 35 percent slopes, eroded	962F2	Sylvan-Bold silt loams, 18 to 35 percent slopes, eroded
967F	Hickory-Gosport silt loams, 18 to 35 percent slopes	967F	Hickory-Gosport silt loams, 18 to 35 percent slopes
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
1070	Beaucoup silty clay loam, undrained, occasionally flooded, brief duration	1070A	Beaucoup silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded
1070A	Beaucoup silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded	1070A	Beaucoup silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded
1071	Darwin silty clay, undrained, occasionally flooded, long duration	1071A	Darwin silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded
1071A	Darwin silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded	1071A	Darwin silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded
2071	Darwin-Urban land complex	2071L	Darwin-Aquents-Urban land complex, 0 to 2 percent slopes, occasionally flooded, long duration
2071L	Darwin-Aquents-Urban land complex, 0 to 2 percent slopes, occasionally flooded, long duration	2071L	Darwin-Aquents-Urban land complex, 0 to 2 percent slopes, occasionally flooded, long duration

2079D	Menfro-Orthents-Urban land complex, 8 to 15 percent slopes	2079D	Menfro-Orthents-Urban land complex, 8 to 15 percent slopes
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SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
2280D	Fayette-Urban complex, 8 to 15 percent slopes	2079D	Menfro-Orthents-Urban land complex, 8 to 15 percent slopes
2113B	Oconee-Urban land complex, 1 to 4 percent slopes	2113B	Oconee-Orthents-Urban land complex, 2 to 5 percent slopes
2113B	Oconee-Orthents-Urban land complex, 2 to 5 percent slopes	2113B	Oconee-Orthents-Urban land complex, 2 to 5 percent slopes
2122B	Colp-Urban land complex, 1 to 5 percent slopes	2122B	Colp-Orthents-Urban land complex, 2 to 5 percent slopes, rarely flooded
2122B	Colp-Orthents-Urban land complex, 2 to 5 percent slopes, rarely flooded	2122B	Colp-Orthents-Urban land complex, 2 to 5 percent slopes, rarely flooded
2183A	Shaffton-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded	2183A	Shaffton-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded
2452A	Riley-Urban land complex, 0 to 3 percent slopes	2183A	Shaffton-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded
2284	Tice-Urban land complex	2284A	Tice-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded
2284A	Tice-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded	2284A	Tice-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded
2304B	Landes-Urban land complex, 0 to 5 percent slopes	2304B	Landes-Fluvents-Urban land complex, 2 to 5 percent slopes, occasionally flooded
2304B	Landes-Fluvents-Urban land complex, 2 to 5 percent slopes, occasionally flooded	2304B	Landes-Fluvents-Urban land complex, 2 to 5 percent slopes, occasionally flooded
2041B	Muscatine-Urban land complex, 1 to 4 percent slopes	2384B	Edwardsville-Orthents-Urban land complex, 1 to 4 percent slopes
2384B	Edwardsville-Orthents-Urban land complex, 1 to 4 percent slopes	2384B	Edwardsville-Orthents-Urban land complex, 1 to 4 percent slopes
2279B	Rozetta-Urban land complex, 2 to 8 percent slopes	2477B	Winfield-Orthents-Urban land complex, 2 to 8 percent slopes
2477B	Winfield-Orthents-Urban land complex, 2 to 8 percent slopes	2477B	Winfield-Orthents-Urban land complex, 2 to 8 percent slopes
2592A	Nameoki-Urban land complex, 0 to 3 percent slopes	2592A	Nameoki-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded
2592A	Nameoki-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded	2592A	Nameoki-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded
2741B	Oakville-Urban land complex, 1 to 6 percent slopes	2741B	Oakville-Psamments-Urban land complex, 2 to 5 percent slopes, rarely flooded
2741B	Oakville-Psamments-Urban land complex, 2 to 5 percent slopes, rarely flooded	2741B	Oakville-Psamments-Urban land complex, 2 to 5 percent slopes, rarely flooded
3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded	3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded
3092B	Sarpy variant loamy fine sand, 0 to 6 percent slopes, frequently flooded, brief duration	3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded
70	Beaucoup silty clay loam	3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded

SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded	3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded
3070	Beaucoup silty clay loam, frequently flooded	3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
3071	Darwin silty clay, frequently flooded, long duration	3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration
3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration	3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration
333	Wakeland silt loam, frequently flooded, brief duration	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
334	Birds silt loam, frequently flooded, long duration	3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded	3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
331	Haymond silt loam, frequently flooded, brief duration	3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded
3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded	3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded
78	Arenzville silt loam, occasionally flooded, brief duration	3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
415	Orion silt loam, frequently flooded, brief duration	3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded	3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
3284	Tice silt loam, frequently flooded	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, frequently flooded, brief duration	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
3592A	Nameoki silty clay loam, frequently flooded, 0 to 3 percent slopes	3592A	Nameoki silty clay loam, frequently flooded, 0 to 2 percent slopes
3592A	Nameoki silty clay loam, frequently flooded, 0 to 2 percent slopes	3592A	Nameoki silty clay loam, frequently flooded, 0 to 2 percent slopes
37A	Worthen silt loam, 0 to 2 percent slopes	7037A	Worthen silt loam, 0 to 2 percent slopes, rarely flooded
7037A	Worthen silt loam, 0 to 2 percent slopes, rarely flooded	7037A	Worthen silt loam, 0 to 2 percent slopes, rarely flooded

37B	Worthen silt loam, 2 to 5 percent slopes	7037B	Worthen silt loam, 2 to 5 percent slopes, rarely flooded
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SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
7037B	Worthen silt loam, 2 to 5 percent slopes, rarely flooded	7037B	Worthen silt loam, 2 to 5 percent slopes, rarely flooded
53B	Bloomfield loamy fine sand, 1 to 3 percent slopes	7053B	Bloomfield loamy fine sand, 2 to 5 percent slopes, rarely flooded
7053B	Bloomfield loamy fine sand, 2 to 5 percent slopes, rarely flooded	7053B	Bloomfield loamy fine sand, 2 to 5 percent slopes, rarely flooded
75B	Drury silt loam, 2 to 5 percent slopes	7075B	Drury silt loam, 2 to 5 percent slopes, rarely flooded
430B	Raddle silt loam, 3 to 6 percent slopes	7075B	Drury silt loam, 2 to 5 percent slopes, rarely flooded
7075B	Drury silt loam, 2 to 5 percent slopes, rarely flooded	7075B	Drury silt loam, 2 to 5 percent slopes, rarely flooded
3284	Tice silt loam, frequently flooded	7081A	Littleton silt loam, 0 to 2 percent slopes, rarely flooded
7081A	Littleton silt loam, 0 to 2 percent slopes, rarely flooded	7081A	Littleton silt loam, 0 to 2 percent slopes, rarely flooded
122B	Colp silt loam, 1 to 4 percent slopes	7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded
7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded	7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded
122C3	Colp silty clay loam, 4 to 10 percent slopes, severely eroded	7122C	Colp silty clay loam, 5 to 10 percent slopes, severely eroded, rarely flooded
7122C	Colp silty clay loam, 5 to 10 percent slopes, severely eroded, rarely flooded	7122C	Colp silty clay loam, 5 to 10 percent slopes, severely eroded, rarely flooded
150A	Onarga sandy loam, 0 to 3 percent slopes	7150A	Onarga sandy loam, 0 to 2 percent slopes, rarely flooded
7150A	Onarga sandy loam, 0 to 2 percent slopes, rarely flooded	7150A	Onarga sandy loam, 0 to 2 percent slopes, rarely flooded
151	Ridgeville fine sandy loam	7151A	Ridgeville fine sandy loam, 0 to 2 percent slopes, rarely flooded
7151A	Ridgeville fine sandy loam, 0 to 2 percent slopes, rarely flooded	7151A	Ridgeville fine sandy loam, 0 to 2 percent slopes, rarely flooded
8151A	Ridgeville fine sandy loam, 0 to 2 percent slopes, occasionally flooded	7151A	Ridgeville fine sandy loam, 0 to 2 percent slopes, rarely flooded
338	Hurst silty clay loam	7338A	Hurst silty clay loam, 0 to 2 percent slopes, rarely flooded
7338A	Hurst silty clay loam, 0 to 2 percent slopes, rarely flooded	7338A	Hurst silty clay loam, 0 to 2 percent slopes, rarely flooded
430A	Raddle silt loam, 0 to 3 percent slopes	7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded
7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded	7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded
242A	Kendall silt loam, 0 to 3 percent slopes	7432A	Geff silt loam, 0 to 2 percent slopes, rarely

			flooded
7432A	Geff silt loam, 0 to 2 percent slopes, rarely flooded	7432A	Geff silt loam, 0 to 2 percent slopes, rarely flooded

SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
243B	St. Charles silt loam, 2 to 5 percent slopes	7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded
7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded	7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded
102A	La Hogue loam, 0 to 3 percent slopes	7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded
7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded	7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded
741B	Oakville fine sand, 2 to 5 percent slopes	7741B	Oakville fine sand, 2 to 5 percent slopes, rarely flooded
7741B	Oakville fine sand, 2 to 5 percent slopes, rarely flooded	7741B	Oakville fine sand, 2 to 5 percent slopes, rarely flooded
741C	Oakville fine sand, 5 to 10 percent slopes	7741C	Oakville fine sand, 5 to 10 percent slopes, rarely flooded
7741C	Oakville fine sand, 5 to 10 percent slopes, rarely flooded	7741C	Oakville fine sand, 5 to 10 percent slopes, rarely flooded
6092B	Sarpy variant loamy fine sand, 0 to 6 percent slopes	8038B	Rocher loam, 2 to 5 percent slopes, occasionally flooded
8038B	Rocher loam, 2 to 5 percent slopes, occasionally flooded	8038B	Rocher loam, 2 to 5 percent slopes, occasionally flooded
70	Beaucoup silty clay loam	8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded
8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded	8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded
71	Darwin silty clay	8071L	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration
8071L	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration	8071L	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration
78	Arenzville silt loam, occasionally flooded, brief duration	8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded
8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded	8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded
180	Dupo silt loam, occasionally flooded, brief duration	8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
6304A	Landes variant very fine sandy loam, 0 to 3 percent slopes	8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded	8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
452A	Riley clay loam, 0 to 3 percent slopes	8183A	Shaffton clay loam, 0 to 2 percent slopes, occasionally flooded
8183A	Shaffton clay loam, 0 to 2 percent slopes, occasionally flooded	8183A	Shaffton clay loam, 0 to 2 percent slopes, occasionally flooded

284	Tice silt loam	8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded
6304A	Landes variant very fine sandy loam, 0 to 3 percent slopes	8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded

SOIL CORRELATION OF MADISON COUNTY, ILLINOIS -Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded	8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded
302	Ambraw loam	8302A	Ambraw silty clay loam, 0 to 2 percent slopes, occasionally flooded
8302A	Ambraw silty clay loam, 0 to 2 percent slopes, occasionally flooded	8302A	Ambraw silty clay loam, 0 to 2 percent slopes, occasionally flooded
304B	Landes very fine sandy loam, 1 to 5 percent slopes	8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded
8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded	8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded
331	Haymond silt loam, frequently flooded, brief duration	8331A	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded
8331A	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded	8331A	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded
333	Wakeland silt loam, frequently flooded, brief duration	8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded
8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded	8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded
334	Birds silt loam, frequently flooded, long duration	8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded
8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded	8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded
415	Orion silt loam, frequently flooded, brief duration	8415A	Orion silt loam, 0 to 2 percent slopes, occasionally flooded
8415A	Orion silt loam, 0 to 2 percent slopes, occasionally flooded	8415A	Orion silt loam, 0 to 2 percent slopes, occasionally flooded
248	McFain silty clay	8591A	Fults silty clay, 0 to 2 percent slopes, occasionally flooded
8591A	Fults silty clay, 0 to 2 percent slopes, occasionally flooded	8591A	Fults silty clay, 0 to 2 percent slopes, occasionally flooded
592A	Nameoki silty clay, 0 to 3 percent slopes	8592A	Nameoki silty clay, 0 to 2 percent slopes, occasionally flooded
8592A	Nameoki silty clay, 0 to 2 percent slopes, occasionally flooded	8592A	Nameoki silty clay, 0 to 2 percent slopes, occasionally flooded
430A	Raddle silt loam, 0 to 3 percent slopes	8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded
8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded	8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded
409	Aquents, clayey	8831A	Fluvaquents, clayey, 0 to 2 percent slopes, occasionally flooded
8831A	Fluvaquents, clayey, 0 to 2 percent slopes, occasionally flooded	8831A	Fluvaquents, clayey, 0 to 2 percent slopes, occasionally flooded

M-W	Miscellaneous water	M-W	Miscellaneous water
W	Water	W	Water

Series Established by this Correlation and County of Type Location

None

Series Added from Previously Correlated Legend for Soil Report No.120

Aviston, Betahalto, Biddle, Bunkum, Burksville, Caseyville, Coffeen, Coulterville, Downsouth, Dozaville, Drury, Edwardsville, Fosterburg, Fults, Geff, Homen, Littleton, Mascoutah, Menfro, Navlys, Newhaven, Pierron, Ridgway, Rocher, Ruma, Shaffton, Wilbur, Winfield, and Wakenda.

Series Dropped from Previously Correlated Legend for Soil Report No.120

Atterbury, Downs, Fayette, Hosmer, LaHogue, Landes Variant, McFain, Muscatine, Pike, Riley, Rozetta, Rushville, Sable, Sarpy Variant, St. Charles, and Stronghurst.

Series Made Inactive

None

Cooperators' Name and Credits

For the front cover, general soil map, and half-title page:
 United States Department of Agriculture
 Natural Resources Conservation Service
 In Cooperation with
 Illinois Agricultural Experiment Station

Prior Soil Survey Publications

The last soil survey of Madison County was completed in 1981 and published by the United States Department of Agriculture, Soil Conservation Service in 1986 (Also designated as Illinois Agricultural Experiment Station Report No. 120). Reference to the prior soil survey will be included in the literature citation of the manuscript. This digital soil survey replaces the March 1986 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 NRCS field soil scientists and soil scientists contracted by NRCS. The soil maps will be digitized by the Kansas Digitizing Center.

Conventional and Special Symbols Legend

Only those symbols indicated on the NRCS-Soils-37A will be shown on the legend and placed on the soil maps.

DEFINITIONS OF SPECIAL FEATURES

<u>Label</u>	<u>Name</u>	<u>Description</u>
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 nonbedrock material is nonsoil or very shallow, poorly developed soil.
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.
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.
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:		
GLA	Glacial till	An area with glacial till exposed at the surface and surrounded by soils formed in loess. Rock fragments may or may not be present on the surface. 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
Madison County,
Illinois**

Field symbols	Publication symbol
7D3	897D3
8D3	8D3
8E3	8D3
8F	8F
16	31A
16	165A
19D3	630D3
31A	31A
35F	35F
37A	7037A
37B	7037B
41B	46A
41B	384A
46A	46A
46A	384A
50	50A
50	385A
50A	50A
53B	7053B
61B	90A
61B	113B
68	50A

Field symbols	Publication symbol
68	385A
70	3070A
70	8070A
71	8071L
75B	7075B
78	3415A
78	8078A
79B	79B
79C2	79C2
79C3	79C3
79D2	79D2
79D3	79D3
79F	79F
79F3	79F3
79G	79G
90A	90A
102A	7445A
113A	113A
113B	90A
113B	113B
119C3	119C3
119D2	119D2
119D3	119D3
120	657A
122C3	7122C

Field symbols	Publication symbol
127B	283B
127B	438B
127C2	283C2
127C2	438C2
150A	7150A
151	7151A
165	31A
165	165A
165A	165A
180	8180A
214B	477B
214B	582B
242A	7432A
243B	7434B
248	8591A
267A	267A
267B	267B
278A	267A
278A	517A
278B	267B
278B	517B
279B	477B
279B	582B
279B3	477B3

**Conversion Legend-
Continued
Madison County, Illinois**

Field symbols	Publication symbol
279B3	515B3
279C2	477C2
279C2	582C2
279C3	477C3
279C3	515C3
279D3	477D3
279D3	515D3
280B	79B
280B	491B
280C2	79C2
280C2	491C2
280D2	79D2
280D2	491D2
280E3	79D3
280E3	491D3
280F	79F
280F	702F
283B	283B
283C2	283C2
284	8284A
302	8302A
304B	8304B
331	3336A

Field symbols	Publication symbol
331	8331A
333	3333A
333	8333A
334	3334A
334	8334A
338	7338A
384A	384A
385A	385A
386B	283B
386B	438B
386B	441B
386C2	283C2
386C2	438C2
386C2	441C2
409	8831A
415	3415A
415	8415A
430A	7430A
430A	8674A
430B	7075B
438B	438B
438C2	438C2
441B	441B
441C2	441C2
451	3451A

Field symbols	Publication symbol
452A	8183A
474	474A
474A	474A
477B	477B
477B3	477B3
477C2	477C2
477C3	477C3
477D3	477D3
491B	491B
491C2	491C2
491D2	491D2
491D3	491D3
515B3	515B3
515C3	515C3
515D3	515D3
517A	267A
517A	517A
517B	267B
517B	517B
533	533
536	536
581B2	581B2
582B	582B
582C2	582C2
583B	491B

**Conversion Legend-
continued
Madison County, Illinois**

Field symbols	Publi- cation symbol
583C2	491C2
583D2	491D2
585E	585F
585F	585F
592A	8592A
620B2	880B2
620C3	878C3
630D3	630D3
657A	657A
701F	701F
702F	702F
703A	703A
741B	7741B
741C	7741C
801B	801B
801D	801D
801E	801D
802B	802B
802D	802D
802E	802D
864	864
865	865
867	867

Field symbols	Publi- cation symbol
878C3	878C3
880B2	880B2
882B	882B
885A	885A
894A	894A
897D3	897D3
914C3	914C3
914D3	914D3
916B	882B
920	703A
936F	701F
936F	702F
941	885A
962D2	962D2
962E2	962D2
962F	962F2
962F2	962F2
967F	967F
993	993A
993A	993A
995	894A
1070	1070A
1070A	1070A
1071	1071A
1071A	1071A

Field symbols	Publi- cation symbol
2041B	2384B
2071	2071L
2071L	2071L
2079D	2079D
2113B	2113B
2122B	2122B
2183A	2183A
2279B	2477B
2280D	2079D
2284	2284A
2284A	2284A
2304B	2304B
2304B	2304B
2384B	2384B
2452A	2183A
2477B	2477B
2592A	2592A
2592A	2592A
2741B	2741B
2741B	2741B
3038B	3038B
3070	3070L
3070A	3070A
3070L	3070L
3071	3071L

**Conversion Legend-
continued
Madison County, Illinois**

Field symbols	Publi- cation symbol
3071L	3071L
3092B	3038B
3284	3428A
3284	7081A
3333A	3333A
3334A	3334A
3336A	3336A
3415A	3415A
3428A	3428A
3451A	3451A
3592A	3592A
3592A	3592A
6092B	8038B
6304A	8180A
6304A	8284A
7037A	7037A
7037B	7037B
7053B	7053B
7075B	7075B
7081A	7081A
7122B	7122B
7122C	7122C

Field symbols	Publi- cation symbol
7150A	7150A
7151A	7151A
7338A	7338A
7430A	7430A
7432A	7432A
7434B	7434B
7445A	7445A
7741B	7741B
7741C	7741C
8038B	8038B
8070A	8070A
8071L	8071L
8078A	8078A
8151A	7151A
8180A	8180A
8183A	8183A
8284A	8284A
8302A	8302A
8304B	8304B
8331A	8331A
8333A	8333A
8334A	8334A
8415A	8415A
8591A	8591A

Field symbols	Publi- cation symbol
8674A	8674A
8831A	8831A
M-W	M-W
W	W

ALPHABETIC SOIL MAP LEGEND
Madison County, Illinois

Map symbol	Soil name
8302A	Ambraw silty clay loam, 0 to 2 percent slopes, occasionally flooded
8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded
914C3	Atlas-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded
914D3	Atlas-Grantfork silty clay loams, 10 to 18 percent slopes, severely eroded
438B	Aviston silt loam, 2 to 5 percent slopes
438C2	Aviston silt loam, 5 to 10 percent slopes, eroded
1070A	Beaucoup silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded
3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded
3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded
90A	Bethalto silt loam, 0 to 2 percent slopes
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded
7053B	Bloomfield loamy fine sand, 2 to 5 percent slopes, rarely flooded
35F	Bold silt loam, 18 to 35 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
897D3	Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
657A	Burksville silt loam, 0 to 2 percent slopes
267A	Caseyville silt loam, 0 to 2 percent slopes
267B	Caseyville silt loam, 2 to 5 percent slopes
3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded
7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded
7122C	Colp silty clay loam, 5 to 10 percent slopes, severely eroded, rarely flooded
2122B	Colp-Orthents-Urban land complex, 2 to 5 percent slopes, rarely flooded
880B2	Coulterville-Darmstadt silt loams, 2 to 5 percent slopes, eroded
878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded
993A	Cowden-Piasa silt loams, 0 to 2 percent slopes
1071A	Darwin silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded
3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration
8071L	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration
2071L	Darwin-Aguents-Urban land complex, 0 to 2 percent slopes, occasionally flooded, long duration
283B	Downsouth silt loam, 2 to 5 percent slopes
283C2	Downsouth silt loam, 5 to 10 percent slopes, eroded
8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded
7075B	Drury silt loam, 2 to 5 percent slopes, rarely flooded
536	Dumps
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
384A	Edwardsville silt loam, 0 to 2 percent slopes
2384B	Edwardsville-Orthents-Urban land complex, 1 to 4 percent slopes
119C3	Elco silty clay loam, 5 to 10 percent slopes, severely eroded
119D2	Elco silt loam, 10 to 18 percent slopes, eroded
119D3	Elco silty clay loam, 10 to 18 percent slopes, severely eroded
8831A	Fluvaquents, clayey, 0 to 2 percent slopes, occasionally flooded
8591A	Fults silty clay, 0 to 2 percent slopes, occasionally flooded
7432A	Geff silt loam, 0 to 2 percent slopes, rarely flooded
8331A	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded
46A	Herrick silt loam, 0 to 2 percent slopes
894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes
8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8F	Hickory silt loam, 18 to 35 percent slopes
967F	Hickory-Gosport silt loams, 18 to 35 percent slopes
582B	Homen silt loam, 2 to 5 percent slopes
582C2	Homen silt loam, 5 to 10 percent slopes, eroded
7338A	Hurst silty clay loam, 0 to 2 percent slopes, rarely flooded
8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded
2304B	Landes-Fluvents-Urban land complex, 2 to 5 percent slopes, occasionally flooded

ALPHABETIC SOIL MAP LEGEND of Madison County, Illinois - continued

Map symbol	Soil name
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded
7081A	Littleton silt loam, 0 to 2 percent slopes, rarely flooded
517A	Marine silt loam, 0 to 2 percent slopes
517B	Marine silt loam, 2 to 5 percent slopes
385A	Mascoutah silty clay loam, 0 to 2 percent slopes
79B	Menfro silt loam, 2 to 5 percent slopes
79C2	Menfro silt loam, 5 to 10 percent slopes, eroded
79C3	Menfro silty clay loam, 5 to 10 percent slopes, severely eroded
79D2	Menfro silt loam, 10 to 18 percent slopes, eroded
79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded
79F	Menfro silt loam, 18 to 35 percent slopes
79F3	Menfro silty clay loam, 18 to 35 percent slopes, severely eroded
79G	Menfro silt loam, 35 to 60 percent slopes
701F	Menfro-Hickory silt loams, 18 to 35 percent slopes
2079D	Menfro-Urban land complex, 8 to 15 percent slopes
M-W	Miscellaneous water
3592A	Nameoki silty clay loam, frequently flooded, 0 to 2 percent slopes
8592A	Nameoki silty clay, 0 to 2 percent slopes, occasionally flooded
2592A	Nameoki-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded
630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded
585F	Negley loam, 18 to 35 percent slopes
7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded
7741B	Oakville fine sand, 2 to 5 percent slopes, rarely flooded
7741C	Oakville fine sand, 5 to 10 percent slopes, rarely flooded
2741B	Oakville-Psamments-Urban land complex, 2 to 5 percent slopes, rarely flooded
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
2113B	Oconee-Orthents-Urban land complex, 2 to 5 percent slopes
867	Oil waste land
7150A	Onarga sandy loam, 0 to 2 percent slopes, rarely flooded
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
8415A	Orion silt loam, 0 to 2 percent slopes, occasionally flooded
802B	Orthents, loamy, undulating
802D	Orthents, loamy, hilly
801B	Orthents, silty, undulating
801D	Orthents, silty, hilly
474A	Piasa silt loam, 0 to 2 percent slopes
31A	Pierron silt loam, 0 to 2 percent slopes
703A	Pierron-Burksville silt loams, 0 to 2 percent slopes
865	Pits, gravel
864	Pits, quarries
7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded
7151A	Ridgeville fine sandy loam, 0 to 2 percent slopes, rarely flooded
7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded
3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded
8038B	Rocher loam, 2 to 5 percent slopes, occasionally flooded
491B	Ruma silt loam, 2 to 5 percent slopes
491C2	Ruma silt loam, 5 to 10 percent slopes, eroded
491D2	Ruma silt loam, 10 to 18 percent slopes, eroded
491D3	Ruma silty clay loam, 10 to 18 percent slopes, severely eroded
702F	Ruma-Hickory silt loams, 18 to 35 percent slopes
8183A	Shaffton clay loam, 0 to 2 percent slopes, occasionally flooded
2183A	Shaffton-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded
962D2	Sylvan-Bold silt loams, 10 to 18 percent slopes, eroded
962F2	Sylvan-Bold silt loams, 18 to 35 percent slopes, eroded
581B2	Tamalco silt loam, 2 to 5 percent slopes, eroded
8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded
2284A	Tice-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded
533	Urban land
50A	Virden silt 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
8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded

ALPHABETIC SOIL MAP LEGEND of Madison County, Illinois - continued

Map symbol	Soil name
441B	Wakenda silt loam, 2 to 5 percent slopes
441C2	Wakenda silt loam, 5 to 10 percent slopes, eroded
W	Water
165A	Weir silt loam, 0 to 2 percent slopes
3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded
477B	Winfield silt loam, 2 to 5 percent slopes
477B3	Winfield silty clay loam, 2 to 5 percent slopes, severely eroded
477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
477C3	Winfield silty clay loam, 5 to 10 percent slopes, severely eroded
477D3	Winfield silty clay loam, 10 to 18 percent slopes, severely eroded
2477B	Winfield-Orthents-Urban land complex, 2 to 8 percent slopes
7037A	Worthen silt loam, 0 to 2 percent slopes
7037B	Worthen silt loam, 2 to 5 percent slopes

**Classification of Pedons Sampled for Laboratory Analysis
For Madison County, Illinois
A Subset of MLRA 114 and 115.**

There were no additional pedons sampled during this update. The list of pedons sampled for analysis is contained in the 1982 correlation document.

**Notes to Accompany the Classification and Correlation
of the Soils of Madison County, Illinois
by Samuel J. Indorante**

DMU id	Mapunit symbol	Mapunit Name	Mapunit text notes
43,068	8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded	DMU (43068)
29,227	8F	Hickory silt loam, 18 to 35 percent slopes	DMU (29227) Typical Pedon is from Bond Co., IL. (OSD)
31,086	31A	Pierron silt loam, 0 to 2 percent slopes	165 to 31A in areas of mod. deep loess. 16 to 31A areas of mod. deep loess. DMU (31086) Typical Pedon is from Madison Co., IL. (OSD) Established for soils with MAST > 56 degrees F or more that were formerly mapped as Rushville.
47,201	35F	Bold silt loam, 18 to 35 percent slopes	DMU(47201) Typical Pedon is from Madison Co., IL.
31,089	46A	Herrick silt loam, 0 to 2 percent slopes	41B to 46A Areas of mod. deep loess. 46A to 46A Areas of mod. deep loess. DMU(31089) Typical Pedon is from St. Clair Co., IL
31,090	50A	Virден silt loam, 0 to 2 percent slopes	68 to 50A Areas of mod. deep loess. DMU(31090) Typical Pedon is from St. Clair Co., IL
29,236	79B	Menfro silt loam, 2 to 5 percent slopes	280B to 79B Areas of deep loess. DMU(29236) Typical Pedon is from St. Clair Co., IL
29,237	79C2	Menfro silt loam, 5 to 10 percent slopes, eroded	280C2to 79C2 Areas of deep loess. DMU(29237)
31,094	79C3	Menfro silty clay loam, 5 to 10 percent slopes, severely eroded	This unit was added for an exact join with St. Clair Co. DMU(31094)
30,774	79D2	Menfro silt loam, 10 to 18 percent slopes, eroded	280D2 to 79D2 Areas of deep loess. DMU(30774)
30,775	79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded	280E3 to 79D3 Areas of deep loess. DMU(30775)
31,097	79F	Menfro silt loam, 18 to 35 percent slopes	280F to 79F Areas of deep loess. DMU(31097)
31,098	79F3	Menfro silty clay loam, 18 to 35 percent slopes, severely eroded	This unit was added for an exact join with St. Clair Co. DMU(31098)
31,099	79G	Menfro silt loam, 35 to 60 percent slopes	This unit was added for an exact join with St. Clair Co. DMU(31099)
31,101	90A	Bethalto silt loam, 0 to 2 percent slopes	61B to 90A Areas of deep loess. 113B to 90A Areas of deep loess. DMU(31101) Typical Pedon is OSD in Madison Co., IL
31,105	113A	Oconee silt loam, 0 to 2 percent slopes	This unit was added for an exact join with St. Clair Co. DMU(31105)

DMU id	Mapunit symbol	Mapunit Name	Mapunit text notes
31,106	113B	Oconee silt loam, 2 to 5 percent slopes	61B to 113B Areas of mod. deep loess. 113B to 113B Areas of Mod. deep loess. DMU(31106) Typical Pedon is from Madison Co., IL
47,183	119C3	Elco silty clay loam, 5 to 10 percent slopes, severely eroded	DMU(47183) Typical Pedon is from Madison Co., IL (OSD) (SJI 12/19/00)
46,022	119D2	Elco silt loam, 10 to 18 percent slopes, eroded	DMU(46022)from Fulton Co., IL (SJI 12/19/00)
47,203	119D3	Elco silty clay loam, 10 to 18 percent slopes, severely eroded	DMU(47203) from Madison Co., IL Soil Survey
47,254	165A	Weir silt loam, 0 to 2 percent slopes	16 to 165 Areas of deep loess. 165 to 165 Areas of deep loess. DMU(47254) Typical Pedon from Madison Co., IL Soil Survey (SJI 12/19/00)
31,115	267A	Caseyville silt loam, 0 to 2 percent slopes	278A to 267A in areas of deep loess. 517A to 267A in areas of deep loess. DMU(31115) Typical Pedon is OSD pedon in St. Clair Co., IL
31,116	267B	Caseyville silt loam, 2 to 5 percent slopes	278B to 267B Areas of deep loess. 517B to 267B Areas of deep loess. DMU(31116)
31,117	283B	Downsouth silt loam, 2 to 5 percent slopes	127B to 283B Areas of deep loess. (small acreage) 386B to 283B Areas of deep loess. DMU(31117) Typical Pedon is OSD pedon in St. Clair, Co., IL
31,118	283C2	Downsouth silt loam, 5 to 10 percent slopes, eroded	127C2 to 283C2 Areas of deep loess. (small acreage) 386C2 to 283C2 Areas of deep loess. (small acreage) DMU(31118)
31,134	384A	Edwardsville silt loam, 0 to 2 percent slopes	41B to 384A Areas of deep loess. 46A to 384A Areas of deep loess. DMU (31134) Typical Pedon is OSD pedon from Madison Co., IL
31,136	385A	Mascoutah silty clay loam, 0 to 2 percent slopes	68 to 385A Areas of deep loess. 50 to 385A Areas of deep loess. These areas were formerly mapped as Sable, but Mascoutah soils have a MAST of 57 F or more. DMU(31136) Typical Pedon is OSD pedon in St. Clair Co., IL
31,142	438B	Aviston silt loam, 2 to 5 percent slopes	127B to 438B Areas of mod. deep loess. 386B to 438B Areas of moderately deep loess. DMU(31142) Typical Pedon is OSD pedon in Washington, Co. IL.
31,143	438C2	Aviston silt loam, 5 to 10 percent slopes, eroded	127C2 to 438C2 Areas of mod. deep loess. (small acreage) 386C2 to 438C2 Areas of mod. deep loess. DMU(31143)
31,144	441B	Wakenda silt loam, 2 to 5 percent slopes	386B to 441B Areas of deep loess. DMU(31144) Typical Pedon is in St. Clair Co., IL
31,145	441C2	Wakenda silt loam, 5 to 10 percent slopes, eroded	386C2 to 441C2 Areas of deep loess. DMU(31145)

DMU id	Mapunit symbol	Mapunit Name	Mapunit text notes
46,657	474A	Piasa silt loam, 0 to 2 percent slopes	DMU(46657) Typical Pedon is OSD from Montgomery Co., IL
31,148	477B	Winfield silt loam, 2 to 5 percent slopes	214B, 279B to 477B in areas of deep loess. DMU(31148) Typical Pedon is in St. Clair Co., IL
47,433	477B3	Winfield silty clay loam, 2 to 5 percent slopes, severely eroded	279B3 to 477B3 Areas of deep loess. DMU(47433)
31,150	477C2	Winfield silt loam, 5 to 10 percent slopes, eroded	279C2 to 477C2 Areas of deep loess. DMU(31150)
30,831	477C3	Winfield silty clay loam, 5 to 10 percent slopes, severely eroded	279C3 to 477C3 Areas of deep loess. DMU(30831)
42,234	477D3	Winfield silty clay loam, 10 to 18 percent slopes, severely eroded	279D3 to 477D3 areas of deep loess. DMU(42234)
29,267	491B	Ruma silt loam, 2 to 5 percent slopes	280B to 491B in areas of mod. deep loess. DMU(29267) Typical Pedon is OSD in St. Clair, Co., IL
29,268	491C2	Ruma silt loam, 5 to 10 percent slopes, eroded	280C2 to 491C2 Areas of mod. deep loess. DMU(29268)
47,180	491D2	Ruma silt loam, 10 to 18 percent slopes, eroded	280D2 to 491D2 Areas of mod. deep loess. DMU(47180)
31,154	491D3	Ruma silty clay loam, 10 to 18 percent slopes, severely eroded	280E3 to 491D3 Areas of mod. deep loess. DMU(31154)
44,540	515B3	Bunkum silty clay loam, 2 to 5 percent slopes, severely eroded	279B3 to 515B3 Areas of mod. deep loess. DMU(44540)
31,159	515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded	279C3 to 515C3 Areas of mod. thick loess. DMU(31159) Typical Pedon is from OSD in St. Clair Co., IL
31,160	515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded	279D3 to 515D3 Areas of Mod. deep loess. DMU(31160)
31,161	517A	Marine silt loam, 0 to 2 percent slopes	278A to 517A Areas of mod. deep loess. 517A to 517A Areas of deep loess. 517A to 267A Areas of mod. deep loess. DMU(31161) Typical Pedon is OSD pedon in Madison Co., IL
31,162	517B	Marine silt loam, 2 to 5 percent slopes	517B to 517B Areas of mod. deep loess. DMU(31162)
31,163	533	Urban land	
31,164	536	Dumps	
47,205	581B2	Tamalco silt loam, 2 to 5 percent slopes, eroded	DMU(47205) TP is OSD pedon in Montgomery County, IL.
31,165	582B	Homen silt loam, 2 to 5 percent slopes	279B to 582B Areas of mod. deep loess. 214B to 582B Areas of mod. deep loess. DMU(31165) Typical Pedon is OSD pedon in Randolph Co., IL.
31,167	582C2	Homen silt loam, 5 to 10 percent slopes, eroded	279C2 to 582C2 Areas of mod. deep loess. DMU(31167)

DMU id	Mapunit symbol	Mapunit Name	Mapunit text notes
31,168	585F	Negley loam, 18 to 35 percent slopes	DMU (31168) Typical Pedon is from Madison, Co., IL
42,248	630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded	DMU (42,248) Typical Pedon is OSD from Fulton, Co., IL.
29,286	657A	Burksville silt loam, 0 to 2 percent slopes	DMU (29,286) Typical Pedon is OSD pedon from Monroe, Co., IL.
47,176	701F	Menfro-Hickory silt loams, 18 to 35 percent slopes	DMU (47,176) 936F to 701F in areas of deep loess.
47,171	702F	Ruma-Hickory silt loams, 18 to 35 percent slopes	280F to 702F in areas of mod. deep loess. 936F to 702F in areas of mod. deep loess. DMU (47,171)
41,175	703A	Pierron-Burksville silt loams, 0 to 2 percent slopes	DMU (41,175)
31,169	801B	Orthents, silty, undulating	DMU (31,169)
31,170	801D	Orthents, silty, hilly	DMU (31,170)
31,172	802B	Orthents, loamy, undulating	DMU (31,172)
31,173	802D	Orthents, loamy, hilly	DMU (31,173)
29,312	864	Pits, quarries	DMU (29,312)
29,983	865	Pits, gravel	DMU (29,983)
47,432	867	Oil waste land	DMU (47,432)
31,208	878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded	DMU (31,208)
31,209	880B2	Coulterville-Darmstadt silt loams, 2 to 5 percent slopes, eroded	DMU (31,209) Typical Pedon is OSD from Monroe Co., IL Typical Pedon is OSD from St. Clair Co., IL
31,212	882B	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes	DMU (31,212)
31,214	885A	Virden-Fosterburg silt loams, 0 to 2 percent slopes	DMU (31,214) Typical Pedon for Fosterburg is OSD from St. Clair Co., IL
31,216	894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes	DMU (31,216) Typical pedon for Biddle is OSD from St. Clair Co., IL
31,217	897D3	Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded	DMU (31,217) Typical Pedon for Atlas is in Monroe, Co., IL
47,185	914C3	Atlas-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded	DMU (47,185) Typical Pedon for Grantfork is OSD in Madison Co., IL
47,184	914D3	Atlas-Grantfork silty clay loams, 10 to 18 percent slopes, severely eroded	DMU (47,184)
47,178	962D2	Sylvan-Bold silt loams, 10 to 18 percent slopes, eroded	DMU (47,178) Sylvan Typical Pedon is in St. Clair, Co. IL.
31,220	962F2	Sylvan-Bold silt loams, 18 to 35 percent slopes, eroded	DMU (31,220)

DMU id	Mapunit symbol	Mapunit Name	Mapunit text notes
47,202	967F	Hickory-Gosport silt loams, 18 to 35 percent slopes	DMU (47,202) Gosport Typical Pedon is from Madison, Co., IL
31,222	993A	Cowden-Piasa silt loams, 0 to 2 percent slopes	DMU (31,222) Cowden is OSD pedon in Montgomery Co., IL
30,781	1070A	Beaucoup silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded	DMU (30,781) from Adams Co., IL
31,102	1071A	Darwin silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded	DMU (31,102)
31,109	2071L	Darwin-Aquents-Urban land complex, 0 to 2 percent slopes, occasionally flooded, long duration	DMU (31,109)
31,110	2079D	Menfro-Orthents-Urban land complex, 8 to 15 percent slopes	DMU (31,110)
46,684	2113B	Oconee-Orthents-Urban land complex, 2 to 5 percent slopes	DMU (46,684)
47,132	2122B	Colp-Orthents-Urban land complex, 2 to 5 percent slopes, rarely flooded	Changed DMU 1337122B (29297) to 1332122B (47132) DMU (47,132)
31,112	2183A	Shaffton-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded	DMU (31,112)
46,683	2284A	Tice-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded	DMU (46,683)
46,686	2304B	Landes-Fluvents-Urban land complex, 2 to 5 percent slopes, occasionally flooded	DMU (46,686)
31,113	2384B	Edwardsville-Orthents-Urban land complex, 1 to 4 percent slopes	DMU (31,113)
31,114	2477B	Winfield-Orthents-Urban land complex, 2 to 8 percent slopes	DMU (31,114)
46,687	2592A	Nameoki-Fluvents-Urban land complex, 0 to 2 percent slopes, occasionally flooded	DMU (46,687)
46,688	2741B	Oakville-Psamments-Urban land complex, 2 to 5 percent slopes, rarely flooded	DMU (46,688)
31,119	3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded	DMU (31,119) Typical Pedon is OSD pedon from Randolph Co., IL
29,048	3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded	70 to 3070A Freq. flooded areas in upland creeks. DMU (29,048)
31,120	3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	DMU (31,120)
46,664	3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration	DMU (46,664)

DMU id	Mapunit symbol	Mapunit Name	Mapunit text notes
31,125	3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded	DMU (31,125) Typical pedon is in Madison County, IL near Highland.
47,480	3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded	334 to 3334A Freq. flooded in upland creeks. DMU (47,480) Typical pedon is in Madison, Co., IL, Atlas Sheet 100 3334A joins with 3334L in St. Clair County.
29,256	3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded	331 to 3336A In upland creeks. DMU (29,256) Typical Pedon is from Monroe Co.,IL
31,131	3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded	78 to 3415A In upland creeks. 415 to 3415A Freq. flooded upland creeks. DMU (31,131) Typical pedon is from Madison Co., IL Atlas Sheet 80.
31,132	3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded	3284 to 3428A Freq. flooded upland creeks. DMU (31,132) Typical Pedon is in Randolph Co., IL Description is in St. Clair Co., Update SS
30,814	3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded	DMU (30,814) Typical Pedon is from Adams Co.,IL Update SS
47,186	3592A	Nameoki silty clay loam, frequently flooded, 0 to 2 percent slopes	DMU (47,186)
47,594	7037A	Worthen silt loam, 0 to 2 percent slopes, rarely flooded	DMU(47594) Typical Pedon is in St. Clair Co., IL.
47,597	7037B	Worthen silt loam, 2 to 5 percent slopes, rarely flooded	DMU(47597)
47,200	7053B	Bloomfield loamy fine sand, 2 to 5 percent slopes, rarely flooded	DMU (47,200) Typical Pedon is from Madison Co., IL SS Atlas sheet 68.
47,598	7075B	Drury silt loam, 2 to 5 percent slopes, rarely flooded	DMU(47598) Typical Pedon is from Randolph Co., IL, which was published in the 1988 Soil Survey.
47,253	7081A	Littleton silt loam, 0 to 2 percent slopes, rarely flooded	DMU (47,253) Typical pedon is from St. Clair Co., IL 3284 to 7081A in rarely flooded areas.
29,297	7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded	Changed DMU 133122B (24974) to 1337122B (29297). 122B to 7122B in rarely flooded areas. DMU (29297) Typical pedon is OSD from Monroe Co., IL
47,147	7122C	Colp silty clay loam, 5 to 10 percent slopes, severely eroded, rarely flooded	Changed DMU 133122C3 (24975) to 1337122C (47147) 122C3 to 7122C in rarely flooded areas. DMU (47,147)
43,069	7150A	Onarga sandy loam, 0 to 2 percent slopes, rarely flooded	Changed DMU 123150A (29577) to 119150A (43069) DMU (43,069) Typical pedon is from Madison Co., IL SS Atlas sheet 59.
47,169	7151A	Ridgeville fine sandy loam, 0 to 2 percent slopes, rarely flooded	DMU (47,169) Typical pedon is from Madison Co., IL. SS Atlas Sheet 77.
47,179	7338A	Hurst silty clay loam, 0 to 2 percent slopes, rarely flooded	DMU (47,179) Typical pedon is OSD pedon from Williamson Co., IL. DMU was built from St. Clair County update.

DMU id	Mapunit symbol	Mapunit Name	Mapunit text notes
29,288	7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded	430A to 7430A Rarely flooded footslopes along bluff. DMU (29,288) Typical pedon is OSD pedon from Jackson, Co., IL
31,194	7432A	Geff silt loam, 0 to 2 percent slopes, rarely flooded	DMU (31,194) Typical Pedon is from Clinton, Co., IL SS.
31,195	7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded	DMU (31,195) Typical pedon is from Clinton Co., IL SS.
47,181	7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded	102A to 7445A Rarely flooded areas. DMU (47,181) Typical Pedon is OSD Pedon in White Co., IL
47,173	7741B	Oakville fine sand, 2 to 5 percent slopes, rarely flooded	DMU (47,173)
47,174	7741C	Oakville fine sand, 5 to 10 percent slopes, rarely flooded	DMU (47,174) Typical pedon is from Madison Co., IL SS. Atlas sheet 67.
29,292	8038B	Rocher loam, 2 to 5 percent slopes, occasionally flooded	DMU (29,292) Typical Pedon is OSD pedon from Randolph Co., IL
29,293	8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded	70 to 8070A Occa. flooded areas protected by levee in Miss. River Floodplain. DMU (29,293) Typical Pedon is from Monroe Co., IL
31,175	8071L	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration	DMU (31,175) Typical pedon is from Madison, CO., IL.
29,295	8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded	78 to 8078A In Miss. River floodplain. DMU (29295) Typical Pedon is from Randolph Co., IL. and was used in the Monroe Co., IL. SS Update.
29,299	8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded	6304A to 8180A Near Monks Mound. DMU (29,299) Typical pedon is from Randolph Co., IL. and was used in the Monroe Co., IL. SS Update.
29,300	8183A	Shaffton clay loam, 0 to 2 percent slopes, occasionally flooded	452A to 8183A In occass. flooded areas. DMU (29,300) Typical Pedon is from Monroe Co. SS Update.
29,301	8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded	284 to 8284A Occas. flooded areas. 6304A to 8284A Near Federal Levee. DMU (29,301) Typical pedon is from Monroe Co., IL SS update.
29,302	8302A	Ambraw silty clay loam, 0 to 2 percent slopes, occasionally flooded	DMU (29,302) Typical pedon is from Monroe Co., IL SS update.
29,303	8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded	DMU (29,303) Typical pedon is from Monroe County, IL SS Update.
47,206	8331A	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded	331 to 8331A Occas. flooded Miss. River Floodplain DMU (47,206) Type location is in Madison Co., IL SS, Atlas Sheet 96.
29,304	8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded	333 to 8333A Ocass. Flooded Miss. River Floodplain. DMU (29,304)

DMU id	Mapunit symbol	Mapunit Name	Mapunit text notes
42,236	8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded	334 to 8334A Ocass. Flooded Miss. River Floodplain DMU (42,236)
47,255	8415A	Orion silt loam, 0 to 2 percent slopes, occasionally flooded	415 to 8415 Occas. flooded in Miss. River Floodplain. DMU (47,255)
29,310	8591A	Fults silty clay, 0 to 2 percent slopes, occasionally flooded	DMU (29,310) Typical Pedon is OSD pedon from Monroe County, IL
29,311	8592A	Nameoki silty clay, 0 to 2 percent slopes, occasionally flooded	DMU (29,311) Typical pedon is OSD pedon from Madison Co., IL. 8592A joins with St. Clair County map unit 8162A
43,072	8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded	430A to 8674A Occas. flooded Miss. R. floodplain. DMU (43,072) Typical Pedon is OSD Pedon in Randolph Co., IL Update SS. Prairie du Rocher Topo Quad.
47,172	8831A	Fluvaquents, clayey, 0 to 2 percent slopes, occasionally flooded	DMU (47,172) 8831A joins with map unit 8646A in St. Clair Co.
46,010	W	Water	DMU (46,010)
46,329	M-W	Miscellaneous water	DMU (46,329)

Madison County Compilation Legend 4/8/99, rev.10/24/2000
Customized for compilation, map finishing, and digitizing center.
Prepared by Randy Leeper

(1986 column represents the map unit symbol from the 1986 Madison Co. Published Soil Survey and 2001 column represents the map unit symbol for the Madison Co. Update Soil Survey)

1986 2001

- 7D3 897D3 (Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded)
- 8E3 8D3 (Hickory clay loam, 10 to 18 percent slopes, severely eroded)
- 8F 8F (Hickory silt loam, 18 to 35 percent slopes)
- 16 31A (Pierron silt loam, 0 to 2 percent slopes) - mod. deep loess
165A (Weir silt loam, 0 to 2 percent slopes) - deep loess
- 19D3 630D3 (Navlys silty clay loam, 10 to 18 percent slopes, severely eroded)
- 35F 35F (Bold silt loam, 18 to 35 percent slopes)
- 37A 7037A (Worthen silt loam, 0 to 2 percent slopes, rarely flooded)
- 37B 7037B (Worthen silt loam, 2 to 5 percent slopes, rarely flooded)
- 41B 384A (Edwardsville silt loam, 0 to 2 percent slopes) - deep loess
46A (Herrick silt loam, 0 to 2 percent slopes) - mod. deep loess
- 46A 46A (Herrick silt loam, 0 to 2 percent slopes) - mod. deep loess
384A (Edwardsville silt loam, 0 to 2 percent slopes) - deep loess
- 50 50A (Viriden silt loam, 0 to 2 percent slopes) - mod. deep loess
385A (Mascoutah silty clay loam, 0 to 2 percent slopes) - deep loess
- 53B 7053B (Bloomfield loamy fine sand, 2 to 5 percent slopes, rarely flooded)
- 61B 90A (Bethalto silt loam, 0 to 2 percent slopes) - deep loess
113B (Oconee silt loam, 2 to 5 percent slopes) - mod. deep loess
- 68 385A (Mascoutah silty clay loam, 0 to 2 percent slopes)
50A (Viriden silt loam, 0 to 2 percent slopes) - mod. deep loess

1986 **2001**

- 70 3070A (Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded) - in upland creeks
8070A (Beaucoup silty clay loam, 0 to 2 percent slopes, occas. flooded) - inside levee on Miss. R. floodplain
- 71 8071L (Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration)
- 78 8078A (Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded) - on Miss. R. floodplain
3415A (Orion silt loam, 0 to 2 percent slopes, freq. flooded) - in upland creeks
- 102A 7445A (Newhaven loam, 0 to 2 percent slopes, rarely flooded)
- 113B 113B (Oconee silt loam, 2 to 5 percent slopes) - mod. deep loess
90A (Bethalto silt loam, 0 to 2 percent slopes) - deep loess
- 119C3 119C3 (Elco silty clay loam, 5 to 10 percent slopes, severely eroded)
- 119D2 119D2 (Elco silt loam, 10 to 18 percent slopes, eroded)
- 119D3 119D3 (Elco silty clay loam, 10 to 18 percent slopes, severely eroded)
- 120 657A (Burksville silt loam, 0 to 2 percent slopes)
- 122B 7122B (Colp silt loam, 2 to 5 percent slopes, rarely flooded)
- 122C3 7122C (Colp silty clay loam, 5 to 10 percent slopes, severely eroded, rarely flooded)
- 127B 438B (Aviston silt loam, 2 to 5 percent slopes)
283B (Downsouth) - deep loess (small acreage)
- 127C2 438C2 (Aviston silt loam, 5 to 10 percent slopes, eroded)
283C2 (Downsouth) - deep loess (small acreage)
- 150A 7150A (Onarga sandy loam, 0 to 2 percent slopes, rarely flooded)
- 151 7151A (Ridgeway fine sandy loam, 0 to 2 percent slopes, rarely flooded)
- 165 31A (Pierron silt loam, 0 to 2 percent slopes) - mod. deep loess
165A (Weir silt loam, 0 to 2 percent slopes) - deep loess
- 180 8180A (Dupo silt loam, 0 to 2 percent slopes, occasionally flooded)
- 214B 582B (Homen silt loam, 2 to 5 percent slopes) - mod. deep loess
477B (Winfield silt loam, 0 to 2 percent slopes) - deep loess
- 242A 7432A Geff silt loam, 0 to 2 percent slopes, rarely flooded)
- 243B 7434B (Ridgway silt loam, 2 to 5 percent slopes, rarely flooded)
- 248 8591A (Fults silty clay, 0 to 2 percent slopes, occas. flooded)
- 278A 267A (Caseyville silt loam, 0 to 2 percent slopes) - deep loess
517A (Marine silt loam, 0 to 2 percent slopes) - mod. deep loess
- 278B 267B (Caseyville silt loam, 2 to 5 percent slopes) - deep loess
517B (Marine silt loam, 2 to 5 percent slopes) - mod. deep loess
- 279B 477B (Winfield silt loam, 2 to 5 percent slopes) - deep loess
582B (Homen silt loam, 2 to 5 percent slopes) - mod. deep loess
- 279B3 477B3 (Winfield silty clay loam, 2 to 5 percent slopes, severely eroded) - deep loess
515B3 (Bunkum silty clay loam, 2 to 5 percent slopes, severely eroded) - mod. deep loess
- 279C2 477C2 (Winfield silt loam, 5 to 10 percent slopes, eroded)
582C2 (Homen silt loam, 5 to 10 percent slopes, eroded) - mod. deep loess
- 279C3 477C3 (Winfield silty clay loam, 5 to 10 percent slopes, severely eroded) - deep loess
515C3 (Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded) - mod. deep loess

1986 **2001**

- 279D3 477D3 (Winfield silty clay loam, 10 to 18 percent slopes, severely eroded) - deep loess
515D3 (Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded) - mod. deep loess
- 280B 79B (Menfro silt loam, 2 to 5 percent slopes) - deep loess
491B (Ruma silt loam, 2 to 5 percent slopes) - mod. deep loess
- 280C2 79C2 (Menfro silt loam, 5 to 10 percent slopes, eroded)
491C2 (Ruma silt loam, 5 to 10 percent slopes, eroded) - mod. deep loess
- 280D2 79D2 (Menfro silt loam, 10 to 18 percent slopes, eroded)
491D2 (Ruma silt loam, 10 to 18 percent slopes, eroded)
- mod. deep loess
- 280E3 79D3 (Menfro silty clay loam, 10 to 18 percent slopes, severely eroded) - deep loess
491D3 (Ruma silty clay loam, 10 to 18 percent slopes, severely eroded) - mod. deep loess
- 280F 79F (Menfro silt loam, 18 to 35 percent slopes) - deep loess
702F (Ruma-Hickory silt loams, 18 to 35 percent slopes) - mod. Deep loess (small acreage)
- 284 8284A (Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded)
- 302 8302A (Ambraw loam, 0 to 2 percent slopes, occasionally flooded)
- 304B 8304B (Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded)
- 331 3336A (Wilbur silt loam, 0 to 2 percent slopes, frequently flooded) - in upland creeks
8331A (Haymond silt loam, 0 to 2 percent slopes, occasionally flooded) - Miss. R. floodplain
- 333 3333A (Wakeland silt loam, 0 to 2 percent slopes, frequently flooded) - in upland creeks and inside some wide levees on the Miss. R. floodplain
8333A (Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded) - Miss. R. floodplain
- 334 3334A (Birds silt loam, 0 to 2 percent slopes, frequently flooded) - in upland creeks
8334A (Birds silt loam, 0 to 2 percent slopes, occasionally flooded) - Miss. R. floodplain
- 338 7338A (Hurst silty clay loam, 0 to 2 percent slopes, rarely flooded)
- 386B 283B (Downsouth silt loam, 2 to 5 percent slopes) and
441B (Wakenda silt loam, 2 to 5 percent slopes) - deep loess
438B (Aviston silt loam, 2 to 5 percent slopes) - moderately deep loess
- 386C2 283C2 (Downsouth silt loam, 5 to 10 percent slopes, eroded) and
441C2 (Wakenda silt loam, 5 to 10 percent slopes, eroded) - deep loess
438C2 (Aviston silt loam, 5 to 10 percent slopes, eroded)
- moderately deep loess
- 409 8831A (Fluvaquents, clayey, 0 to 2 percent slopes, occas.)
- 415 3415A (Orion silt loam, 0 to 2 percent slopes, frequently flooded) - in upland creeks
8415A (Orion silt loam, 0 to 2 percent slopes, occasionally flooded) - Miss. R. floodplain
- 430A 7430A (Raddle silt loam, 0 to 2 percent slopes, rarely flooded) - footslopes along bluff
8674A (Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded) - Miss. R. floodplain
- 430B 7075B (Drury silt loam, 2 to 5 percent slopes, rarely flooded)
- 451 3451A (Lawson silt loam, 0 to 2 percent slopes, frequently flooded) - in upland creeks

1986 **2001**

- 452A 8183A (Shaffton clay loam, 0 to 2 percent slopes, occasionally flooded)
- 474 474A (Piasa silt loam, 0 to 2 percent slopes)
- 517A 517A (Marine silt loam, 0 to 2 percent slopes) - mod. deep loess
267A (Caseyville silt loam, 0 to 2 percent slopes) - deep loess
- 517B 517B (Marine silt loam, 2 to 5 percent slopes) - mod. deep loess
267B (Caseyville silt loam, 2 to 5 percent slopes) - deep loess
- 533 533 (Urban land)
- 536 536 (Dumps)
- 581B2 581B2 (Tamalco silt loam, 2 to 5 percent slopes, eroded)
- 583B 491B (Ruma silt loam, 2 to 5 percent slopes)
- 583C2 491C2 (Ruma silt loam, 5 to 10 percent slopes, eroded)
- 583D2 491D2 (Ruma silt loam, 10 to 18 percent slopes, eroded)
- 585E 585F (Negley loam, 18 to 35 percent slopes)
- 592A 8592A (Nameoki silty clay, 0 to 2 percent slopes, occasionally flooded)
- 620B2 880B2 (Coulterville-Darmstadt silt loams, 2 to 5 percent slopes, eroded)
- 620C3 878C3 (Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded)
- 741B 7741B (Oakville fine sand, 2 to 5 percent slopes, rarely flooded)
- 741C 7741C (Oakville fine sand, 5 to 10 percent slopes, rarely flooded)
- 801B 801B (Orthents, silty, undulating)
- 801E 801D (Orthents, silty, hilly)
- 802B 802B (Orthents, loamy, undulating)
- 802E 802D (Orthents, loamy, hilly)
- 864 864 (Pits, quarries)
- 865 865 (Pits, gravel)
- 867 867 (Oil waste land)
- 914C3 914C3 (Atlas-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded)
- 914D3 914D3 (Atlas-Grantfork silty clay loams, 10 to 18 percent slopes, severely eroded)
- 916B 882B (Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes)
- 920 703A (Pierron-Burksville silt loams, 0 to 2 percent slopes)
- 936F 701F (Menfro-Hickory silt loams, 18 to 35 percent slopes) - deep loess
702F (Ruma-Hickory silt loams, 18 to 35 percent slopes) - mod. deep loess
- 941 885A (Virden-Fosterburg silt loams, 0 to 2 percent slopes)
- 962E2 962D2 (Sylvan-Bold silt loams, 10 to 18 percent slopes, eroded)
- 962F 962F2 (Sylvan-Bold silt loams, 18 to 35 percent slopes, eroded)
- 967F 967F (Hickory-Gosport silt loams, 18 to 35 percent slopes)
- 993 993A (Cowden-Piasa silt loams, 0 to 2 percent slopes)
- 995 894A (Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes)
- 1070 1070A (Beaucoup silty clay loam, undrained, 0 to 2 percent slopes, occasionally flooded)
- 1071 1071A (Darwin silty clay, undrained, 0 to 2 percent slopes, occasionally flooded)
- 2041B 2384B (Edwardsville-Orthents-Urban land complex, 1 to 4 percent slopes)
- 2071 2071L (Darwin-Aquents-Urban land complex, 0 to 2 percent slopes, occasionally flooded, long duration)

1986 **2001**

- 2113B 2113B (Oconee-Orthents-Urban land complex, 2 to 5 percent slopes)
- 2122B 2122B (Colp-Orthents-Urban land complex, 2 to 5 percent slopes, rarely flooded)
- 2279B 2477B (Winfield-Orthents-Urban land complex, 2 to 8 percent slopes) - delete two small map units in Highland (A. S. 92)
- 2280D 2079D (Menfro-Orthents-Urban land complex, 8 to 15 percent slopes)
- 2284 2284A (Tice-Fluents-Urban land complex, 0 to 2 percent slopes, occasionally flooded)
- 2304B 2304B (Landes-Fluents-Urban land complex, 2 to 5 percent slopes, occasionally flooded)
- 2452A 2183A (Shaffton-Fluents-Urban land complex, 0 to 2 percent slopes, occasionally flooded)
- 2592A 2592A (Nameoki-Fluents-Urban land complex, 0 to 2 percent slopes, occasionally flooded)
- 2741B 2741B (Oakville-Psamments-Urban land complex, 2 to 5 percent slopes, rarely flooded)
- 3070 3070L (Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration) - outside federal levee
- 3071 3071L (Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration) - outside federal levee
- 3092B 3038B (Rocher loamy fine sand, 2 to 5 percent slopes, frequently flooded)
- 3284 7081A (Littleton silt loam, 0 to 2 percent slopes, rarely flooded) - footslopes
3428A (Coffeen silt loam, 0 to 2 percent slopes, frequently flooded) - in upland creeks
- 3592A 3592A (Nameoki silty clay loam, 0 to 2 percent slopes, frequently flooded)
- 6092B 8038B (Rocher loamy fine sand, 0 to 2 percent slopes, occasionally flooded)
- 6304A 8180A (Dupo) - near Monks Mound
8284A (Tice) - near Federal levee

The following map units were added to the legend to join at the St. Clair County line:

- 79C3
- 79F3
- 79G
- 113A

PRIME FARMLAND of Madison County, Illinois

(Only the soils considered prime farmland are listed. Urban or built-up areas of the soils listed are not considered prime farmland. If a soil is prime farmland only under certain conditions, the conditions are specified in parentheses after the soil name.)

Map symbol	Soil name
46A	Herrick silt loam, 0 to 2 percent slopes
50A	Virden silt loam, 0 to 2 percent slopes (Prime farmland if drained)
79B	Menfro silt loam, 2 to 5 percent slopes
90A	Bethalto silt loam, 0 to 2 percent slopes (Prime farmland if drained)
113A	Oconee silt loam, 0 to 2 percent slopes (Prime farmland if drained)
113B	Oconee silt loam, 2 to 5 percent slopes (Prime farmland if drained)
267A	Caseyville silt loam, 0 to 2 percent slopes (Prime farmland if drained)
267B	Caseyville silt loam, 2 to 5 percent slopes (Prime farmland if drained)
283B	Downsouth silt loam, 2 to 5 percent slopes
384A	Edwardsville silt loam, 0 to 2 percent slopes
385A	Mascoutah silty clay loam, 0 to 2 percent slopes (Prime farmland if drained)
438B	Aviston silt loam, 2 to 5 percent slopes
441B	Wakenda silt loam, 2 to 5 percent slopes
477B	Winfield silt loam, 2 to 5 percent slopes
491B	Ruma silt loam, 2 to 5 percent slopes
517A	Marine silt loam, 0 to 2 percent slopes (Prime farmland if drained)
517B	Marine silt loam, 2 to 5 percent slopes (Prime farmland if drained)
582B	Homen silt loam, 2 to 5 percent slopes
657A	Burksville silt loam, 0 to 2 percent slopes (Prime farmland if drained)
885A	Virden-Fosterburg silt loams, 0 to 2 percent slopes (Prime farmland if drained)
3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
3451A	Lawson silt loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
7037A	Worthen silt loam, 0 to 2 percent slopes, rarely flooded
7037B	Worthen silt loam, 2 to 5 percent slopes, rarely flooded
7075B	Drury silt loam, 2 to 5 percent slopes, rarely flooded
7081A	Littleton silt loam, 0 to 2 percent slopes, rarely flooded
7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded
7150A	Onarga sandy loam, 0 to 2 percent slopes, rarely flooded
7151A	Ridgeville fine sandy loam, 0 to 2 percent slopes, rarely flooded
7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded
7432A	Geff silt loam, 0 to 2 percent slopes, rarely flooded
7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded
7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded (Prime farmland if drained)
8038B	Rocher loam, 2 to 5 percent slopes, occasionally flooded
8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded (Prime farmland if drained)
8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded
8151A	Ridgeville fine sandy loam, 0 to 2 percent slopes, occasionally flooded
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
8183A	Shaffton clay loam, 0 to 2 percent slopes, occasionally flooded
8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded
8302A	Ambraw silty clay loam, 0 to 2 percent slopes, occasionally flooded (Prime farmland if drained)
8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded
8331A	Haymond silt loam, 0 to 2 percent slopes, occasionally flooded
8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded (Prime farmland if drained)
8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded (Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season)
8415A	Orion silt loam, 0 to 2 percent slopes, occasionally flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded

CLASSIFICATION OF THE SOILS OF MADISON COUNTY, ILLINOIS

(An asterisk in the first column indicates that the soil 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
Ambraw-----	Fine-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls
Arenzville-----	Coarse-silty, mixed, superactive, nonacid, mesic Typic Udifluvents
Atlas-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Aviston-----	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Beaucoup-----	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
Bethalto-----	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Biddle-----	Fine, smectitic, mesic Aquic Argiudolls
Birds-----	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Bloomfield-----	Sandy, mixed, mesic Lamellic Hapludalfs
Bold-----	Coarse-silty, mixed, superactive, calcareous, mesic Typic Udorthents
Bunkum-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Burksville-----	Fine-silty, mixed, superactive, mesic Typic Epiaqualfs
Caseyville-----	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Coffeen-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Hapludolls
Colp-----	Fine, smectitic, mesic Aquertic Chromic Hapludalfs
Coulterville-----	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Cowden-----	Fine, smectitic, mesic Mollic Albaqualfs
Darmstadt-----	Fine-silty, mixed, superactive, mesic Albic Natraqualfs
Darwin-----	Fine, smectitic, mesic Fluvaquentic Vertic Endoaquolls
Downsouth-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Dozaville-----	Fine-silty, mixed, superactive, mesic Fluventic Hapludolls
Drury-----	Fine-silty, mixed, superactive, mesic Dystric Eutrudepts
Dupo-----	Coarse-silty over clayey, mixed over smectitic, superactive, nonacid, mesic Aquic Udifluvents
Edwardsville-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Elco-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Fosterburg-----	Fine, smectitic, mesic Vertic Argiaquolls
Fults-----	Fine, smectitic, mesic Vertic Endoaquolls
Geff-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
*Gosport-----	Fine, illitic, mesic Oxyaquic Dystrudepts
Grantfork-----	Fine-loamy, mixed, superactive, mesic Aeric Epiaqualfs
Haymond-----	Coarse-silty, mixed, superactive, mesic Fluventic Dystrudepts
Herrick-----	Fine, smectitic, mesic Aquic Argiudolls
Hickory-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Homen-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Hurst-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Landes-----	Coarse-loamy, mixed, superactive, mesic Fluventic Hapludolls
Lawson-----	Fine-silty, mixed, superactive, mesic Aquic Cumulic Hapludolls
Littleton-----	Fine-silty, mixed, superactive, mesic Aquic Cumulic Hapludolls
Marine-----	Fine, smectitic, mesic Aeric Vertic Albaqualfs
Mascoutah-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Menfro-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Nameoki-----	Fine, smectitic, mesic Aquertic Hapludolls
Navlys-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Negley-----	Fine-loamy, mixed, active, mesic Typic Paleudalfs
Newhaven-----	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Oakville-----	Mixed, mesic Typic Udipsamments
Oconee-----	Fine, smectitic, mesic Udollic Epiaqualfs
Onarga-----	Coarse-loamy, mixed, superactive, mesic Typic Argiudolls
Orion-----	Coarse-silty, mixed, superactive, nonacid, mesic Aquic Udifluvents
Orthents, loamy-----	Fine-loamy, mixed, active, nonacid, mesic Typic Udorthents
Orthents, silty-----	Fine-silty, mixed, active, nonacid, mesic Aquic Udorthents
Piasa-----	Fine, smectitic, mesic Mollic Natraqualfs
Pierron-----	Fine, smectitic, mesic Typic Albaqualfs
Raddle-----	Fine-silty, mixed, superactive, mesic Typic Hapludolls
Ridgeville-----	Coarse-loamy, mixed, superactive, mesic Aquic Argiudolls
Ridgway-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Rocher-----	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udifluvents

CLASSIFICATION OF THE SOILS OF MADISON COUNTY, ILLINOIS --Continued

Soil name	Family or higher taxonomic class
Ruma-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Shaffton-----	Fine-loamy, mixed, superactive, mesic Fluvaquentic Hapludolls
Sylvan-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Tamalco-----	Fine, smectitic, mesic Typic Natrudalfs
Tice-----	Fine-silty, mixed, superactive, mesic Fluvaquentic Hapludolls
Virden-----	Fine, smectitic, mesic Vertic Argiaquolls
Wakeland-----	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Weir-----	Fine, smectitic, mesic Typic Endoaqualfs
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts
Winfield-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Worthen-----	Fine-silty, mixed, superactive, mesic Cumulic Hapludolls

Certification Statement

The MLRA Region 11 Team Leader certifies that:

- a. The fieldwork activities were completed in March 1999.
- b. Madison County joins six modern soil surveys:

- Bond County - Modern soil survey (1983)
- Clinton County - Modern soil survey to be published 2001
- Jersey County - Project/update survey to be certified 2002
- Macoupin County - Project/update survey to be certified 2001
- Montgomery County - Modern soil survey (1969)
- St. Clair County – Update survey certified 1999

An exact join has been completed with Macoupin and St. Clair Counties, except for a few polygons along the St. Clair County line. When St. Clair County, Illinois is recertified map units 3334A and 8831A will be added to the St. Clair County legend for joins with map units 3334L and 8646A , respectively, and polygons of map unit 8162A in St. Clair County along the county line will be changed to map unit 8592A.

The remaining counties have an acceptable join and will have an exact join when they are updated to the MLRA legend.

- c. Interpretations have been coordinated and agree with adjoining survey areas.
- d. The locations of all typical pedons have been checked for accuracy, and that they occur in delineations using those names. Typical pedons are those that represent the taxonomic units in MLRA's 114 and 115B. Not all typical pedons are located in Madison County but are within other subsets of the MLRA.
- e. All typical pedons are classified according to Soil Taxonomy, Second Edition, 1999.
- f. The digital soil maps, once complete, will be reviewed for accuracy and consistency prior to certification.

Approval Signature and Date:

Travis Neely Date
Team Leader, MLRA Region 11
Indianapolis, Indiana

William J. Gradle Date
State Conservationist
Champaign, Illinois