

**United States Department of Agriculture
Natural Resources Conservation Service**

**Classification and Correlation of the Soils of
Randolph County, Illinois**

A Subset of MLRA's 114 and 115B

July 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 Randolph County. This document is prepared as part of the update of the Soil Survey of Randolph County, a subset of MLRA's 114 and 115B. Decisions were based on documentation of field investigations, transect data, field notes, pedon descriptions, laboratory data, available Randolph County soil maps, and the descriptive legend in the "Classification and Correlation of the Soils of Randolph County, Illinois," November 1983.

Headnote for detailed soil survey legend:

This update of Randolph 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".

**SOIL CORRELATION OF
RANDOLPH COUNTY, ILLINOIS
July 2001**

Field symbols	Field mapnunit name	Publi- cation symbol	Approved mapnunit name
5C2	Blair silt loam, 5 to 10 percent slopes, eroded	5C2	Blair silt loam, 5 to 10 percent slopes, eroded
5C3	Blair silt loam, 5 to 10 percent slopes, severely eroded	5C3	Blair silt loam, 5 to 10 percent slopes, severely eroded
5D2	Blair silt loam, 10 to 18 percent slopes, eroded	5D2	Blair silt loam, 10 to 18 percent slopes, eroded
5D3	Blair silt loam, 10 to 18 percent slopes, severely eroded	5D3	Blair silt loam, 10 to 18 percent slopes, severely eroded
8E3	Hickory silty clay loam, 18 to 25 percent slopes, severely eroded	8E3	Hickory silty clay loam, 18 to 25 percent slopes, severely eroded
8E3	HICKORY SILT LOAM, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED	8E3	Hickory silty clay loam, 18 to 25 percent slopes, severely eroded
8E	HICKORY SILT LOAM, 18 TO 30 PERCENT SLOPES	8F	Hickory silt loam, 18 to 35 percent slopes
8F	Hickory silt loam, 18 to 35 percent slopes	8F	Hickory silt loam, 18 to 35 percent slopes
8G	HICKORY SILT LOAM, 25 TO 60 PERCENT SLOPES	8G	Hickory silt loam, 35 to 60 percent slopes
8G	Hickory silt loam, 35 to 60 percent slopes	8G	Hickory silt loam, 35 to 60 percent slopes
30F	Hamburg silt loam, 18 to 35 percent slopes	30F	Hamburg silt loam, 18 to 35 percent slopes
30G	Hamburg silt loam, 35 to 70 percent slopes	30G	Hamburg silt loam, 35 to 70 percent slopes
30G	HAMBURG SILT LOAM, 25 TO 60 PERCENT SLOPES	30G	Hamburg silt loam, 35 to 70 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
53B	BLOOMFIELD LOAMY FINE SAND, 1 TO 7 PERCENT SLOPES	53B	Bloomfield loamy fine sand, 2 to 5 percent slopes
53B	Bloomfield loamy fine sand, 2 to 5 percent slopes	53B	Bloomfield loamy fine sand, 2 to 5 percent slopes
53D2	BLOOMFIELD LOAMY FINE SAND, 7 TO 20 PERCENT SLOPES, ERODED	53D2	Bloomfield loamy fine sand, 10 to 18 percent slopes, eroded
53D2	Bloomfield loamy fine sand, 10 to 18 percent slopes, eroded	53D2	Bloomfield loamy fine sand, 10 to 18 percent slopes, eroded
75C	Drury silt loam, 5 to 10 percent slopes	75C	Drury silt loam, 5 to 10 percent slopes
75C	DRURY SILT LOAM, 4 TO 12 PERCENT SLOPES	75C	Drury silt loam, 5 to 10 percent slopes
79B	Menfro silt loam, 2 to 5 percent slopes	79B	Menfro silt loam, 2 to 5 percent slopes
308B	ALFORD SILT LOAM, 1 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
308C2	ALFORD SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	79C2	Menfro silt loam, 5 to 10 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

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publi- cation symbol	Approved mapnunit name
308C3	ALFORD SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED	79C3	Menfro silty clay loam, 5 to 10 percent slopes, severely eroded
79D	Menfro silt loam, 10 to 18 percent slopes	79D	Menfro silt loam, 10 to 18 percent slopes
308D	ALFORD SILT LOAM, 10 TO 18 PERCENT SLOPES	79D	Menfro silt loam, 10 to 18 percent slopes
79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded	79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded
308D3	ALFORD SILTY CLAY LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED	79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded
79E3	Menfro silty clay loam, 18 to 25 percent slopes, severely eroded	79E3	Menfro silty clay loam, 18 to 25 percent slopes, severely eroded
308E3	ALFORD SILTY CLAY LOAM, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED	79E3	Menfro silty clay loam, 18 to 25 percent slopes, severely eroded
79F	Menfro silt loam, 18 to 35 percent slopes	79F	Menfro silt loam, 18 to 35 percent slopes
308E	ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES	79F	Menfro silt loam, 18 to 35 percent slopes
84	OKAW SILT LOAM	84A	Okaw silt loam, 0 to 2 percent slopes
84A	Okaw silt loam, 0 to 2 percent slopes	84A	Okaw silt loam, 0 to 2 percent slopes
113A	Oconee silt loam, 0 to 2 percent slopes	113A	Oconee silt loam, 0 to 2 percent slopes
113B	Oconee silt loam, 2 to 5 percent slopes	113B	Oconee silt loam, 2 to 5 percent slopes
122B	COLP SILT LOAM, 1 TO 5 PERCENT SLOPES	122B	Colp silt loam, 2 to 5 percent slopes
122B	Colp silt loam, 2 to 5 percent slopes	122B	Colp silt loam, 2 to 5 percent slopes
122C2	Colp silt loam, 5 to 10 percent slopes, eroded	122C2	Colp silt loam, 5 to 10 percent slopes, eroded
122C3	COLP SILTY CLAY LOAM, 5 TO 12 PERCENT SLOPES, SEVERELY ERODED	122C3	Colp silty clay loam, 5 to 10 percent slopes, severely eroded
122C3	Colp silty clay loam, 5 to 10 percent slopes, severely eroded	122C3	Colp silty clay loam, 5 to 10 percent slopes, severely eroded
123	Riverwash	123	Riverwash
184B	Roby fine sandy loam, 2 to 5 percent slopes	184B	Roby fine sandy loam, 2 to 5 percent slopes
216G	Stookey silt loam, 35 to 70 percent slopes	216G	Stookey silt loam, 35 to 70 percent slopes
308G	ALFORD SILT LOAM, 30 TO 50 PERCENT SLOPES	216G	Stookey silt loam, 35 to 70 percent slopes
164A	STOY 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	267A	Caseyville silt loam, 0 to 2 percent slopes
517A	MARINE SILT LOAM, 0 TO 3 PERCENT SLOPES	267A	Caseyville silt loam, 0 to 2 percent slopes
164B	STOY SILT LOAM, 2 TO 5 PERCENT SLOPES	267B	Caseyville silt loam, 2 to 5 percent slopes
267B	Caseyville silt loam, 2 to 5 percent slopes	267B	Caseyville silt loam, 2 to 5 percent slopes
338A	Hurst silt loam, 0 to 2 percent slopes	338A	Hurst silt loam, 0 to 2 percent slopes
338B	Hurst silt loam, 2 to 5 percent slopes	338B	Hurst silt loam, 2 to 5 percent slopes
242A	KENDALL SILT LOAM, 0 TO 3 PERCENT SLOPES	423A	Millstadt silt loam, 0 to 2 percent slopes
423A	Millstadt silt loam, 0 to 2 percent slopes	423A	Millstadt silt loam, 0 to 2 percent slopes

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publi- cation symbol	Approved mapnunit name
243B	ST. CHARLES SILT LOAM, 1 TO 7 PERCENT SLOPES	437B	Redbud silt loam, 2 to 5 percent slopes
437B	Redbud silt loam, 2 to 5 percent slopes	437B	Redbud silt loam, 2 to 5 percent slopes
243D	ST. CHARLES SILT LOAM, 7 TO 15 PERCENT SLOPES	437D	Redbud silt loam, 10 to 18 percent slopes
437D	Redbud silt loam, 10 to 18 percent slopes	437D	Redbud silt loam, 10 to 18 percent slopes
243D3	ST. CHARLES SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED	437D3	Redbud silty clay loam, 10 to 18 percent slopes, severely eroded
437D3	Redbud silty clay loam, 10 to 18 percent slopes, severely eroded	437D3	Redbud silty clay loam, 10 to 18 percent slopes, severely eroded
467D2	MARKLAND SILTY CLAY LOAM, 7 TO 20 PERCENT SLOPES, ERODED	467D2	Markland silty clay loam, 10 to 18 percent slopes, eroded
467D2	Markland silty clay loam, 10 to 18 percent slopes, eroded	467D2	Markland silty clay loam, 10 to 18 percent slopes, eroded
465	MONTGOMERY SILTY CLAY LOAM	468A	Lakaskia silty clay loam, 0 to 2 percent slopes
468A	Lakaskia silty clay loam, 0 to 2 percent slopes	468A	Lakaskia silty clay loam, 0 to 2 percent slopes
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, 1 TO 5 PERCENT SLOPES	477B	Winfield silt loam, 2 to 5 percent slopes
453B	MUREN SILT LOAM, 1 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
214C2	HOSMER SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
453C2	MUREN 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
308B	ALFORD SILT LOAM, 1 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
308C2	ALFORD 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
308C3	ALFORD SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED	491C3	Ruma silty clay loam, 5 to 10 percent slopes, severely eroded
491C3	Ruma silty clay loam, 5 to 10 percent slopes, severely eroded	491C3	Ruma silty clay loam, 5 to 10 percent slopes, severely eroded
308D	ALFORD SILT LOAM, 10 TO 18 PERCENT SLOPES	491D	Ruma silt loam, 10 to 18 percent slopes
491D	Ruma silt loam, 10 to 18 percent slopes	491D	Ruma silt loam, 10 to 18 percent slopes
308D3	ALFORD SILTY CLAY LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED	491D3	Ruma silty clay loam, 10 to 18 percent slopes, severely eroded

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publi- cation symbol	Approved mapnunit name
308E3	ALFORD SILTY CLAY LOAM, 18 TO 30 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
308E	ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES	491F	Ruma silt loam, 18 to 35 percent slopes
491F	Ruma silt loam, 18 to 35 percent slopes	491F	Ruma silt loam, 18 to 35 percent slopes
5C2	BLAIR SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	515C2	Bunkum silt loam, 5 to 10 percent slopes, eroded
164C2	STOY SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	515C2	Bunkum silt loam, 5 to 10 percent slopes, eroded
515C2	Bunkum silt loam, 5 to 10 percent slopes, eroded	515C2	Bunkum silt loam, 5 to 10 percent slopes, eroded
5C3	BLAIR SILT LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED	515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded
214C3	HOSMER SILT 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
214D	HOSMER SILT LOAM, 10 TO 18 PERCENT SLOPES	515D	Bunkum silt loam, 10 to 18 percent slopes
515D	Bunkum silt loam, 10 to 18 percent slopes	515D	Bunkum silt loam, 10 to 18 percent slopes
5D2	BLAIR SILT LOAM, 10 TO 18 PERCENT SLOPES, ERODED	515D2	Bunkum silt loam, 10 to 18 percent slopes, eroded
515D2	Bunkum silt loam, 10 to 18 percent slopes, eroded	515D2	Bunkum silt loam, 10 to 18 percent slopes, eroded
5D3	BLAIR SILT LOAM, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED	515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded
214D3	HOSMER SILT 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	515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded
164A	STOY 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
517A	MARINE SILT LOAM, 0 TO 3 PERCENT SLOPES	517A	Marine silt loam, 0 to 2 percent slopes
164B	STOY 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
536	Dumps, mine	536	Dumps, mine
570B	MARTINSVILLE SILT LOAM, 1 TO 7 PERCENT SLOPES	570B	Martinsville silt loam, 2 to 5 percent slopes
570B	Martinsville silt loam, 2 to 5 percent slopes	570B	Martinsville silt loam, 2 to 5 percent slopes
570D2	MARTINSVILLE FINE SANDY LOAM, 7 TO 18 PERCENT SLOPES, ERODED	570D2	Martinsville fine sandy loam, 10 to 18 percent slopes, eroded
570D2	Martinsville fine sandy loam, 10 to 18 percent slopes, eroded	570D2	Martinsville fine sandy loam, 10 to 18 percent slopes, eroded

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publi- cation symbol	Approved mapnunit name
571B	Whitaker silt loam, 2 to 5 percent slopes	571B	Whitaker silt loam, 2 to 5 percent slopes
571B	WHITAKER SILT LOAM, 1 TO 5 PERCENT SLOPES	571B	Whitaker silt loam, 2 to 5 percent slopes
214B	HOSMER SILT LOAM, 1 TO 5 PERCENT SLOPES	582B	Homen silt loam, 2 to 5 percent slopes
453B	MUREN SILT LOAM, 1 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
214C2	HOSMER SILT LOAM, 5 TO 10 PERCENT SLOPES, ERODED	582C2	Homen silt loam, 5 to 10 percent slopes, eroded
453C2	MUREN 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
120	HUEY SILT LOAM	657A	Burksville silt loam, 0 to 2 percent slopes
621A	COULTERVILLE 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	657A	Burksville silt loam, 0 to 2 percent slopes
690F	Brookside silty clay loam, 18 to 35 percent slopes, stony	690F	Brookside silty clay loam, 18 to 35 percent slopes, stony
690F	BROOKSIDE STONY SILTY CLAY LOAM, 20 TO 30 PERCENT SLOPES	690F	Brookside silty clay loam, 18 to 35 percent slopes, stony
690G	BROOKSIDE BOULDERY SILTY CLAY LOAM, 30 TO 50 PERCENT SLOPES	690G	Brookside silty clay loam, 35 to 60 percent slopes, bouldery
690G	Brookside silty clay loam, 35 to 60 percent slopes, bouldery	690G	Brookside silty clay loam, 35 to 60 percent slopes, bouldery
802B	Orthents, loamy, undulating	802B	Orthents, loamy, undulating
802D	Orthents, loamy, hilly	802D	Orthents, loamy, hilly
802E	ORTHENTS, LOAMY, ROLLING	802D	Orthents, loamy, hilly
821C	Morristown stony silt loam, 4 to 12 percent slopes, stony	821C	Morristown stony silt loam, 4 to 12 percent slopes, stony
821C	MORRISTOWN STONY SILT LOAM, 4 TO 12 PERCENT SLOPES	821C	Morristown stony silt loam, 4 to 12 percent slopes, stony
821F	MORRISTOWN VERY STONY SILT LOAM, 18 TO 35 PERCENT SLOPES	821G	Morristown very stony silty clay loam, 18 to 70 percent slopes, very stony
821G	Morristown very stony silty clay loam, 18 to 70 percent slopes, very stony	821G	Morristown very stony silty clay loam, 18 to 70 percent slopes, very stony
823B	Schuline silt loam, 1 to 5 percent slopes	823B	Schuline silt loam, 1 to 5 percent slopes
823C	Schuline silt loam, 5 to 10 percent slopes	823C	Schuline silt loam, 5 to 10 percent slopes
824A	SWANWICK SILT LOAM, 0 TO 3 PERCENT SLOPES	824B	Swanwick silt loam, 1 to 5 percent slopes
824B	Swanwick silt loam, 1 to 5 percent slopes	824B	Swanwick silt loam, 1 to 5 percent slopes
824C	SWANWICK SILT LOAM, 3 TO 10 PERCENT SLOPES	824C	Swanwick silt loam, 5 to 10 percent slopes
824C	Swanwick silt loam, 5 to 10 percent slopes	824C	Swanwick silt loam, 5 to 10 percent slopes

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publi- cation symbol	Approved mapnunit name
825B	LENZBURG SILT LOAM, ACID SUBSTRATUM, 2 TO 5 PERCENT SLOPES	825B	Lenzburg silty clay loam, acid substratum, 2 to 5 percent slopes
825B	Lenzburg silty clay loam, acid substratum, 2 to 5 percent slopes	825B	Lenzburg silty clay loam, acid substratum, 2 to 5 percent slopes
825D	LENZBURG SILT LOAM, ACID SUBSTRATUM, 7 TO 20 PERCENT SLOPES	825D	Lenzburg silty clay loam, acid substratum, 7 to 20 percent slopes
825D	Lenzburg silty clay loam, acid substratum, 7 to 20 percent slopes	825D	Lenzburg silty clay loam, acid substratum, 7 to 20 percent slopes
851E3	Menfro-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded	851E3	Menfro-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded
851E3	ALFORD-URSA SILTY CLAY LOAMS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED	851E3	Menfro-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded
851E	ALFORD-URSA SILT LOAMS, 18 TO 30 PERCENT SLOPES	851F	Menfro-Ursa silt loams, 18 to 35 percent slopes
851F	Menfro-Ursa silt loams, 18 to 35 percent slopes	851F	Menfro-Ursa silt loams, 18 to 35 percent slopes
851G	URSA-ALFORD SILT LOAMS, 30 TO 50 PERCENT SLOPES	851G	Ursa-Menfro silt loams, 35 to 60 percent slopes
851G	Ursa-Menfro silt loams, 35 to 60 percent slopes	851G	Ursa-Menfro silt loams, 35 to 60 percent slopes
852F	Menfro-Wellston silt loams, 18 to 35 percent slopes	852F	Menfro-Wellston silt loams, 18 to 35 percent slopes
852F	ALFORD-WELLSTON SILT LOAMS, 18 TO 35 PERCENT SLOPES	852F	Menfro-Wellston silt loams, 18 to 35 percent slopes
853F	ALFORD-WESTMORE SILT LOAMS, 18 TO 35 PERCENT SLOPES	854F	Menfro-Westmore silt loams, 18 to 35 percent slopes
854F	Menfro-Westmore silt loams, 18 to 35 percent slopes	854F	Menfro-Westmore silt loams, 18 to 35 percent slopes
853F	ALFORD-WESTMORE SILT LOAMS, 18 TO 35 PERCENT SLOPES	855F	Ruma-Westmore silt loams, 18 to 35 percent slopes
855F	Ruma-Westmore silt loams, 18 to 35 percent slopes	855F	Ruma-Westmore silt loams, 18 to 35 percent slopes
860D	Homen-Atlas silt loams, 10 to 18 percent slopes	860D	Homen-Atlas silt loams, 10 to 18 percent slopes
860D	HOSMER-URSA SILT LOAMS, 10 TO 18 PERCENT SLOPES	860D	Homen-Atlas silt loams, 10 to 18 percent slopes
860D3	Homen-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded	860D3	Homen-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
860D3	HOSMER-URSA SILTY CLAY LOAMS, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED	860D3	Homen-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
864	Pits, quarries	864	Pits, quarries
866	Dumps, slurry	866	Dumps, slurry
871B	Lenzburg gravelly silty clay loam, 1 to 7 percent slopes, stony	871B	Lenzburg gravelly silty clay loam, 1 to 7 percent slopes, stony

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publication symbol	Approved mapnunit name
871C	LENZBURG SILT LOAM, 4 TO 12 PERCENT SLOPES	871B	Lenzburg gravelly silty clay loam, 1 to 7 percent slopes, stony
871D	Lenzburg gravelly silty clay loam, 7 to 18 percent slopes, stony	871D	Lenzburg gravelly silty clay loam, 7 to 18 percent slopes, stony
871E	LENZBURG STONY SILTY CLAY LOAM, 12 TO 30 PERCENT SLOPES	871D	Lenzburg gravelly silty clay loam, 7 to 18 percent slopes, stony
871G	LENZBURG STONY SILTY CLAY LOAM, 30 TO 70 PERCENT SLOPES	871G	Lenzburg gravelly silty clay loam, 18 to 70 percent slopes, stony
871G	Lenzburg gravelly silty clay loam, 18 to 70 percent slopes, stony	871G	Lenzburg gravelly silty clay loam, 18 to 70 percent slopes, stony
621B2	COULTERVILLE SILT LOAM, 2 TO 5 PERCENT SLOPES, ERODED	884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded
884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded	884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded
621C3	COULTERVILLE SILTY CLAY LOAM, 5 TO 10 PERCENT SLOPES, SEVERELY ERODED	884C3	Bunkum-Coulterville silty clay loams, 5 to 10 percent slopes, severely eroded
884C3	Bunkum-Coulterville silty clay loams, 5 to 10 percent slopes, severely eroded	884C3	Bunkum-Coulterville silty clay loams, 5 to 10 percent slopes, severely eroded
884D3	Bunkum-Coulterville silty clay loams, 10 to 18 percent slopes, severely eroded	884D3	Bunkum-Coulterville silty clay loams, 10 to 18 percent slopes, severely eroded
934D3	BLAIR-GRANTFORK SILT LOAMS, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED	884D3	Bunkum-Coulterville silty clay loams, 10 to 18 percent slopes, severely eroded
886E3	Ruma-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded	886E3	Ruma-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded
851E	ALFORD-URSA SILT LOAMS, 18 TO 30 PERCENT SLOPES	886F	Ruma-Ursa silt loams, 18 to 35 percent slopes
886F	Ruma-Ursa silt loams, 18 to 35 percent slopes	886F	Ruma-Ursa silt loams, 18 to 35 percent slopes
859D3	BLAIR-URSA 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	897D3	Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
909A	Coulterville-Oconee silt loams, 0 to 2 percent slopes	909A	Coulterville-Oconee silt loams, 0 to 2 percent slopes
909B	Coulterville-Oconee silt loams, 2 to 5 percent slopes	909B	Coulterville-Oconee silt loams, 2 to 5 percent slopes
859D3	BLAIR-URSA SILTY CLAY LOAMS, 10 TO 18 PERCENT SLOPES, SEVERELY ERODED	927D3	Blair-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
927D3	Blair-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded	927D3	Blair-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
934D3	Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded	934D3	Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded
934D3	BLAIR-GRANTFORK SILT LOAMS, 7 TO 15 PERCENT SLOPES, SEVERELY ERODED	934D3	Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded
977G	NEOTOMA-WELLSTON COMPLEX, 25 TO 50 PERCENT SLOPES	977G	Neotoma-Wellston complex, 35 to 60 percent slopes

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publication symbol	Approved mapnunit name
977G	Neotoma-Wellston complex, 35 to 60 percent slopes	977G	Neotoma-Wellston complex, 35 to 60 percent slopes
1288L	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded, long duration	1288L	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded, long duration
1334	BIRDS SILT LOAM, WET	1288L	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded, long duration
1457	BOOKER SILTY CLAY, WET	1457L	Booker clay, undrained, 0 to 2 percent slopes, occasionally flooded, long duration
1457L	Booker clay, undrained, 0 to 2 percent slopes, occasionally flooded, long duration	1457L	Booker clay, undrained, 0 to 2 percent slopes, occasionally flooded, long duration
3038B	ROCHER LOAM, FREQUENTLY FLOODED, 1 TO 5 PERCENT SLOPES	3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded
3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded	3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded
71	DARWIN SILTY CLAY	3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration
3071	DARWIN SILTY CLAY, FREQUENTLY FLOODED	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
85	JACOB SILTY CLAY	3085L	Jacob silty clay, 0 to 2 percent slopes, frequently flooded, long duration
3085L	Jacob silty clay, 0 to 2 percent slopes, frequently flooded, long duration	3085L	Jacob silty clay, 0 to 2 percent slopes, frequently flooded, long duration
180	DUPO SILT LOAM	3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded	3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded
333	WAKELAND SILT LOAM	3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded	3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
334	BIRDS SILT LOAM	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	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
391A	BLAKE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	3391A	Blake silty clay loam, 0 to 2 percent slopes, frequently flooded
3391A	Blake silty clay loam, 0 to 2 percent slopes, frequently flooded	3391A	Blake silty clay loam, 0 to 2 percent slopes, frequently flooded

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publi- cation symbol	Approved mapnunit name
3394B	Haynie silt loam, 2 to 5 percent slopes, frequently flooded	3394B	Haynie silt loam, 2 to 5 percent slopes, frequently flooded
3394B	HAYNIE SILT LOAM, FREQUENTLY FLOODED, 1 TO 5 PERCENT SLOPES	3394B	Haynie silt loam, 2 to 5 percent slopes, frequently flooded
428	COFFEEN SILT LOAM	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
3592A	Nameoki silty clay, 0 to 2 percent slopes, frequently flooded	3592A	Nameoki silty clay, 0 to 2 percent slopes, frequently flooded
3619A	PARKVILLE SILTY CLAY, FREQUENTLY FLOODED, 0 TO 3 PERCENT SLOPES	3592A	Nameoki silty clay, 0 to 2 percent slopes, frequently flooded
408	AQUENTS, LOAMY	3646A	Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded
3646A	Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded	3646A	Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded
807	AQUENTS-ORTHENTS COMPLEX	3847L	Fluvaquents-Orthents complex, frequently flooded, long duration
3847L	Fluvaquents-Orthents complex, frequently flooded, long duration	3847L	Fluvaquents-Orthents complex, frequently flooded, long duration
5079C3, 5079C	Menfro silt loam, karst, 5 to 12 percent slopes, severely eroded	5079C3	Menfro silt loam, karst, 5 to 12 percent slopes, severely eroded
5308C	ALFORD SILT LOAM, KARST, 4 TO 12 PERCENT SLOPES	5079C3	Menfro silt loam, karst, 5 to 12 percent slopes, severely eroded
5079D2, 5079D	Menfro silt loam, karst, 12 to 25 percent slopes, eroded	5079D2	Menfro silt loam, karst, 12 to 25 percent slopes, eroded
5308E	ALFORD SILT LOAM, KARST, 12 TO 25 PERCENT SLOPES	5079D2	Menfro silt loam, karst, 12 to 25 percent slopes, eroded
5308C	ALFORD SILT LOAM, KARST, 4 TO 12 PERCENT SLOPES	5491C3	Ruma silty clay loam, karst, 5 to 12 percent slopes, severely eroded
5491C3, 5491C	Ruma silty clay loam, karst, 5 to 12 percent slopes, severely eroded	5491C3	Ruma silty clay loam, karst, 5 to 12 percent slopes, severely eroded
5308E	ALFORD SILT LOAM, KARST, 12 TO 25 PERCENT SLOPES	5491D2	Ruma silt loam, karst, 12 to 25 percent slopes, eroded
5491D2, 5491D	Ruma silt loam, karst, 12 to 25 percent slopes, eroded	5491D2	Ruma silt loam, karst, 12 to 25 percent slopes, eroded
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
38B	ROCHER VERY FINE SANDY LOAM, 1 TO 5 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
71	DARWIN SILTY CLAY	8071L	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publi- cation symbol	Approved mapnunit name
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
331	HAYMOND SILT LOAM	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
85	JACOB SILTY CLAY	8085L	Jacob silty clay, 0 to 2 percent slopes, occasionally flooded, long duration
8085L	Jacob silty clay, 0 to 2 percent slopes, occasionally flooded, long duration	8085L	Jacob silty clay, 0 to 2 percent slopes, occasionally flooded, long duration
180	DUPO SILT LOAM	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
284A	TICE SILT LOAM, 0 TO 3 PERCENT SLOPES	8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded
8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded	8284A	Tice 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
333	WAKELAND SILT LOAM	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
394B	HAYNIE SILT LOAM, 1 TO 5 PERCENT SLOPES	8394B	Haynie silt loam, 2 to 5 percent slopes, occasionally flooded
8394B	Haynie silt loam, 2 to 5 percent slopes, occasionally flooded	8394B	Haynie silt loam, 2 to 5 percent slopes, occasionally flooded
428	COFFEEN SILT LOAM	8428A	Coffeen silt loam, 0 to 2 percent slopes, occasionally flooded
8428A	Coffeen silt loam, 0 to 2 percent slopes, occasionally flooded	8428A	Coffeen silt loam, 0 to 2 percent slopes, occasionally flooded
457	BOOKER SILTY CLAY	8457L	Booker clay, 0 to 2 percent clay, occasionally flooded, long duration
8457L	Booker clay, 0 to 2 percent clay, occasionally flooded, long duration	8457L	Booker clay, 0 to 2 percent clay, occasionally flooded, long duration
591	FULTS 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
619A	PARKVILLE SILTY CLAY, 0 TO 3 PERCENT SLOPES	8592A	Nameoki silty clay, 0 to 2 percent slopes, occasionally flooded

SOIL CORRELATION OF RANDOLPH COUNTY, ILLINOIS -Continued

Field symbols	Field mapnunit name	Publi- cation symbol	Approved mapnunit name
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
787A	BANLIC SILT LOAM, 0 TO 3 PERCENT SLOPES	8787A	Banlic silt loam, 0 to 2 percent slopes, occasionally flooded
8787A	Banlic silt loam, 0 to 2 percent slopes, occasionally flooded	8787A	Banlic silt loam, 0 to 2 percent slopes, occasionally flooded
W	Water	W	Water

Some field symbols are correlated to more than one publication symbol; see "Notes to Accompany" for description of these separations.

Series Established by this Correlation and County of Type Location

None

Series Added from Previously Correlated Legend for Soil Report No.122

Arenzville, Atlas, Bunkum, Burksville, Caseyville, Dozaville, Homen, Lakaskia, Menfro, Millstadt, Nameoki, Petrolia, Pierron, Redbud, Ruma, Stookey, Wilbur, and Winfield.

Series Dropped from Previously Correlated Legend for Soil Report No.122

Alford Haymond, Hosmer, Huey, Kendall, Montgomery, Muren, Parkville, Rushville, St. Charles, and Stoy.

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 Randolph County was completed in 1982 and published by the United States Department of Agriculture, Soil Conservation Service in September 1988 (Also designated as Illinois Agricultural Experiment Station Report No. 122). Reference to the prior soil survey will be included in the literature citation of the manuscript. This digital soil survey replaces the September 1988 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 Michigan 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.

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

July 2001

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
CULTURAL FEATURES		CULTURAL FEATURES (cont.)		SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO	
BOUNDARIES		MISCELLANEOUS CULTURAL FEATURES		SOIL DELINEATIONS AND SYMBOLS	
✓ <u>National, state, or province</u>	---	Farmland, house (omit in urban areas)	■		
✓ <u>County or parish</u>	---	Church	⊕	LANDFORM FEATURES	
Minor civil division	---	School	⊕	ESCARPMENTS	
Reservation, (national forest or park, state forest or park)	---	Other Religion (label)	Mt Carmel	✓ <u>Bedrock</u>	
Land grant	---	Located object (label)	Ranger Station	✓ <u>Other than bedrock</u>	
Limit of soil survey (label) and/or denied access areas	---	Tank (label)	Petroleum	✓ <u>SHORT STEEP SLOPE</u>	
✓ <u>Field sheet matchline & neatline</u>	---	Lookout Tower	A	GULLY	
Previously published survey	---	Oil and / or Natural Gas Wells	▲	DEPRESSION, closed	
OTHER BOUNDARY (label)		Windmill	⊕	✓ <u>SINKHOLE</u>	
Airport, airfield		Lighthouse	⊕	EXCAVATIONS	
Cemetery		HYDROGRAPHIC FEATURES		PITS	
City / county Park		STREAMS		Borrow pit	
STATE COORDINATE TICK	+	✓ <u>Perennial, double line</u>		Gravel pit	
✓ <u>LAND DIVISION CORNERS (section and land grants)</u>		✓ <u>Unclassified single line</u>		Mine or quarry	
GEOGRAPHIC COORDINATE TICK	+	Intermittent		LANDFILL	
TRANSPORTATION		✓ <u>Drainage end</u>		MISCELLANEOUS SURFACE FEATURES	
<u>Divided roads</u>	==	DRAINAGE AND IRRIGATION		Blowout	
<u>Other roads</u>	---	Double line canal (label)		Clay spot	
Trails	---	✓ <u>Unclassified drainage and/or irrigation ditch</u>		Gravelly spot	
ROAD EMBLEMS & DESIGNATIONS		Intermittent drainage and/or irrigation ditch		Lava flow	
Interstate		SMALL LAKES, PONDS, AND RESERVOIRS		Marsh or swamp	
Federal		Perennial water		✓ <u>Rock outcrop (includes sandstone and shale)</u>	
✓ <u>State</u>		Miscellaneous water		Saline spot	
County, farm, or ranch		Flood pool line		✓ <u>Sandy spot</u>	
RAILROAD	---	MISCELLANEOUS WATER FEATURES		✓ <u>Severely eroded spot</u>	
POWER TRANSMISSION LINE (normally not shown)	---	Spring		Slide or slip	
PIPELINE (normally not shown)	---	Well, artesian		✓ <u>Sodic spot</u>	
FENCE (normally not shown)	---	Well, irrigation		Spoil area	
LEVEES				Stony spot	
Without road				Very stony spot	
With road				✓ <u>Wet spot</u>	
With railroad				RECOMMENDED AD HOC SOIL SYMBOLS	
✓ <u>Single side slope (showing actual feature location)</u>				SYMBOL_ID	
DAMS				SYMBOL_ID	
Medium or small				1	
LANDFORM FEATURES				2	
Prominent Hill or Peak	⊕			3	
Soil Sample Site	⊕			4	

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.
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.
SNK	Sinkhole	A closed depression formed either by solution of the surficial rock, or by collapse of underlying caves. Complexes of sinkholes in carbonate-rock terrain are the main components of karst topography. Typically 0.25 to 2.0 acres.
SOD	Sodic spot	Surface layer with a sodium adsorption ratio that is 10 or more than the surface layer of the named soils in the surrounding map unit, which has a sodium adsorption ratio of 5 or less. Typically 0.25 to 2.0 acres.
WET	Wet spot	Somewhat poorly drained to very poorly drained area that is at least 2 drainage class wetter than the named soils in the surrounding map unit. Typically 0.25 to 2.0 acres.

General Soil Map Units

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

**Conversion Legend
Randolph County,
Illinois**

Field symbols	Publi- cation symbol
5C2	5C2
5C2	515C2
5C3	5C3
5C3	515C3
5D2	5D2
5D2	515D2
5D3	5D3
5D3	515D3
8E	8F
8E3	8E3
8F	8F
8G	8G
16	31A
30F	30F
30G	30G
31A	31A
38B	8038B
53B	53B
53D2	53D2
71	3071L
71	8071L
75C	75C
79B	79B

Field symbols	Publi- cation symbol
79C2	79C2
79C3	79C3
79D	79D
79D3	79D3
79E3	79E3
79F	79F
84	84A
84A	84A
85	3085L
85	8085L
113A	113A
113B	113B
120	657A
122B	122B
122C2	122C2
122C3	122C3
123	123
164A	267A
164A	517A
164B	267B
164B	517B
164C2	515C2
180	3180A
180	8180A
184B	184B

Field symbols	Publi- cation symbol
214B	477B
214B	582B
214C2	477C2
214C2	582C2
214C3	515C3
214D	515D
214D3	515D3
216G	216G
242A	423A
243B	437B
243D	437D
243D3	437D3
267A	267A
267B	267B
284A	8284A
304B	8304B
308B	79B
308B	491B
308C2	79C2
308C2	491C2
308C3	79C3
308C3	491C3
308D	79D
308D	491D
308D3	79D3

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

Field symbols	Publication symbol
308D3	491D3
308E	79F
308E	491F
308E3	79E3
308E3	491D3
308G	216G
331	3336A
331	8078A
333	3333A
333	8333A
334	3334A
338A	338A
338B	338B
391A	3391A
394B	8394B
408	3646A
423A	423A
428	3428A
428	8428A
430A	7430A
430A	8674A
437B	437B
437D	437D

Field symbols	Publication symbol
437D3	437D3
453B	477B
453B	582B
453C2	477C2
453C2	582C2
457	8457L
465	468A
467D2	467D2
468A	468A
474	474A
474A	474A
477B	477B
477C2	477C2
491B	491B
491C2	491C2
491C3	491C3
491D	491D
491D3	491D3
491F	491F
515C2	515C2
515C3	515C3
515D	515D
515D2	515D2
515D3	515D3
517A	267A

Field symbols	Publication symbol
517A	517A
517A	517A
517B	517B
536	536
570B	570B
570B	570B
570D2	570D2
570D2	570D2
571B	571B
582B	582B
582C2	582C2
591	8591A
619A	8592A
621A	657A
621B2	884B2
621C3	884C3
657A	657A
690F	690F
690G	690G
787A	8787A
802B	802B
802D	802D
802E	802D
807	3847L
821C	821C

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

Field symbols	Publi- cation symbol
821F	821G
821G	821G
823B	823B
823C	823C
824A	824B
824B	824B
824C	824C
825B	825B
825D	825D
851E	851F
851E	886F
851E3	851E3
851F	851F
851G	851G
852F	852F
853F	854F
853F	855F
854F	854F
855F	855F
859D3	897D3
859D3	927D3
860D	860D
860D3	860D3

Field symbols	Publi- cation symbol
864	864
866	866
871B	871B
871C	871B
871D	871D
871E	871D
871G	871G
884B2	884B2
884C3	884C3
884D3	884D3
886E3	886E3
886F	886F
897D3	897D3
909A	909A
909B	909B
927D3	927D3
934D3	884D3
934D3	934D3
977G	977G
1288L	1288L
1334	1288L
1457	1457L
1457L	1457L
3038B	3038B
3071	3071L

Field symbols	Publi- cation symbol
3071L	3071L
3085L	3085L
3180A	3180A
3333A	3333A
3180A	3180A
3333A	3333A
3334A	3334A
3336A	3336A
3391A	3391A
3394B	3394B
3428A	3428A
3592A	3592A
3619A	3592A
3646A	3646A
3847L	3847L
5079C	5079C3
5079C3	5079C3
5079D	5079D2
5079D2	5079D2
5308C	5079C3
5308C	5491C3
5308E	5079D2
5308E	5491D2
5491C	5491C3
5491C3	5491C3

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

Field symbols	Publi- cation symbol
5491D	5491D2
5491D2	5491D2
7430A	7430A
8038B	8038B
8071L	8071L
8078A	8078A
8085L	8085L
8180A	8180A
8284A	8284A
8304B	8304B
8333A	8333A
8394B	8394B
8428A	8428A
8457L	8457L
8591A	8591A
8592A	8592A
8674A	8674A
8787A	8787A
W	W

Some field symbols are correlated to more than one publication symbol; see "Notes to Accompany" for description of these separations.

ALPHABETIC SOIL MAP LEGEND
Randolph County, Illinois

Map symbol	Soil name
8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded
8787A	Banlic silt loam, 0 to 2 percent slopes, occasionally flooded
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
5C2	Blair silt loam, 5 to 10 percent slopes, eroded
5C3	Blair silt loam, 5 to 10 percent slopes, severely eroded
5D2	Blair silt loam, 10 to 18 percent slopes, eroded
5D3	Blair silt loam, 10 to 18 percent slopes, severely eroded
927D3	Blair-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
934D3	Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded
3391A	Blake silty clay loam, 0 to 2 percent slopes, frequently flooded
53B	Bloomfield loamy fine sand, 2 to 5 percent slopes
53D2	Bloomfield loamy fine sand, 10 to 18 percent slopes, eroded
8457L	Booker clay, 0 to 2 percent clay, occasionally flooded, long duration
1457L	Booker clay, undrained, 0 to 2 percent slopes, occasionally flooded, long duration
690F	Brookside silty clay loam, 18 to 35 percent slopes, stony
690G	Brookside silty clay loam, 35 to 60 percent slopes, bouldery
515C2	Bunkum silt loam, 5 to 10 percent slopes, eroded
515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded
515D	Bunkum silt loam, 10 to 18 percent slopes
515D2	Bunkum silt loam, 10 to 18 percent slopes, 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
884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded
884C3	Bunkum-Coulterville silty clay loams, 5 to 10 percent slopes, severely eroded
884D3	Bunkum-Coulterville 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
8428A	Coffeen silt loam, 0 to 2 percent slopes, occasionally flooded
122B	Colp silt loam, 2 to 5 percent slopes
122C2	Colp silt loam, 5 to 10 percent slopes, eroded
122C3	Colp silty clay loam, 5 to 10 percent slopes, severely eroded
909A	Coulterville-Oconee silt loams, 0 to 2 percent slopes
909B	Coulterville-Oconee silt loams, 2 to 5 percent slopes
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
8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded
75C	Drury silt loam, 5 to 10 percent slopes
536	Dumps, mine
866	Dumps, slurry
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
3646A	Fluvaquents, loamy, 0 to 2 percent slopes, frequently flooded
3847L	Fluvaquents-Orthents complex, frequently flooded, long duration
8591A	Fults silty clay, 0 to 2 percent slopes, occasionally flooded
30F	Hamburg silt loam, 18 to 35 percent slopes
30G	Hamburg silt loam, 35 to 70 percent slopes
3394B	Haynie silt loam, 2 to 5 percent slopes, frequently flooded
8394B	Haynie silt loam, 2 to 5 percent slopes, occasionally flooded
8E3	Hickory silty clay loam, 18 to 25 percent slopes, severely eroded
8F	Hickory silt loam, 18 to 35 percent slopes
8G	Hickory silt loam, 35 to 60 percent slopes
582B	Homen silt loam, 2 to 5 percent slopes
582C2	Homen silt loam, 5 to 10 percent slopes, eroded
860D	Homen-Atlas silt loams, 10 to 18 percent slopes
860D3	Homen-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded
338A	Hurst silt loam, 0 to 2 percent slopes
338B	Hurst silt loam, 2 to 5 percent slopes
3085L	Jacob silty clay, 0 to 2 percent slopes, frequently flooded, long duration
8085L	Jacob silty clay, 0 to 2 percent slopes, occasionally flooded, long duration
468A	Lakaskia silty clay loam, 0 to 2 percent slopes

ALPHABETIC SOIL MAP LEGEND of Randolph County, Illinois - continued

Map symbol	Soil name
8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded
825B	Lenzburg silty clay loam, acid substratum, 1 to 7 percent slopes
825D	Lenzburg silty clay loam, acid substratum, 7 to 18 percent slopes
871B	Lenzburg gravelly silty clay loam, 1 to 7 percent slopes, stony
871D	Lenzburg gravelly silty clay loam, 7 to 18 percent slopes, stony
871G	Lenzburg gravelly silty clay loam, 18 to 70 percent slopes, stony
517A	Marine silt loam, 0 to 2 percent slopes
517B	Marine silt loam, 2 to 5 percent slopes
467D2	Markland silty clay loam, 10 to 18 percent slopes, eroded
570B	Martinsville silt loam, 2 to 5 percent slopes
570D2	Martinsville fine sandy loam, 10 to 18 percent slopes, eroded
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
79D	Menfro silt loam, 10 to 18 percent slopes
79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded
79E3	Menfro silty clay loam, 18 to 25 percent slopes, severely eroded
79F	Menfro silt loam, 18 to 35 percent slopes
5079C3	Menfro silt loam, karst, 5 to 12 percent slopes, severely eroded
5079D2	Menfro silt loam, karst, 12 to 25 percent slopes, eroded
851E3	Menfro-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded
851F	Menfro-Ursa silt loams, 18 to 35 percent slopes
852F	Menfro-Wellston silt loams, 18 to 35 percent slopes
854F	Menfro-Westmore silt loams, 18 to 35 percent slopes
423A	Millstadt silt loam, 0 to 2 percent slopes
821C	Morristown stony silt loam, 4 to 12 percent slopes, stony
821G	Morristown very stony silty clay loam, 18 to 70 percent slopes, very stony
3592A	Nameoki silty clay, 0 to 2 percent slopes, frequently flooded
8592A	Nameoki silty clay, 0 to 2 percent slopes, occasionally flooded
977G	Neotoma-Wellston complex, 35 to 60 percent slopes
113A	Oconee silt loam, 0 to 2 percent slopes
113B	Oconee silt loam, 2 to 5 percent slopes
84A	Okaw silt loam, 0 to 2 percent slopes
802B	Orthents, loamy, undulating
802D	Orthents, loamy, hilly
1288L	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded, long duration
474A	Piasa silt loam, 0 to 2 percent slopes
31A	Pierron silt loam, 0 to 2 percent slopes
864	Pits, quarries
7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded
437B	Redbud silt loam, 2 to 5 percent slopes
437D	Redbud silt loam, 10 to 18 percent slopes
437D3	Redbud silty clay loam, 10 to 18 percent slopes, severely eroded
123	Riverwash
184B	Roby fine sandy loam, 2 to 5 percent slopes
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
491C3	Ruma silty clay loam, 5 to 10 percent slopes, severely eroded
491D	Ruma silt loam, 10 to 18 percent slopes
491D3	Ruma silty clay loam, 10 to 18 percent slopes, severely eroded
491F	Ruma silt loam, 18 to 35 percent slopes
5491C3	Ruma silty clay loam, karst, 5 to 12 percent slopes, severely eroded
5491D2	Ruma silt loam, karst, 12 to 25 percent slopes, eroded
886E3	Ruma-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded
886F	Ruma-Ursa silt loams, 18 to 35 percent slopes
855F	Ruma-Westmore silt loams, 18 to 35 percent slopes
823B	Schuline silt loam, 1 to 5 percent slopes
823C	Schuline silt loam, 5 to 10 percent slopes
216G	Stookey silt loam, 35 to 70 percent slopes
824B	Swanwick silt loam, 1 to 5 percent slopes
824C	Swanwick silt loam, 5 to 10 percent slopes

ALPHABETIC SOIL MAP LEGEND of Randolph County, Illinois - continued

Map symbol	Soil name
8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded
851G	Ursa-Menfro silt loams, 35 to 60 percent slopes
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded
W	Water
571B	Whitaker silt loam, 2 to 5 percent slopes
3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded
477B	Winfield silt loam, 2 to 5 percent slopes
477C2	Winfield silt loam, 5 to 10 percent slopes, eroded

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

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 Randolph County, Illinois
by Samuel J. Indorante**

DMUiid	Mapunit symbol	Mapunit Name	Mapunit text notes
142,069	5C2	Blair silt loam, 5 to 10 percent slopes, eroded	5C2 to 5C2 Areas of thin loess.
142,070	5C3	Blair silt loam, 5 to 10 percent slopes, severely eroded	5C3 to 5C3 Areas of thin loess.
393,342	5D2	Blair silt loam, 10 to 18 percent slopes, eroded	5D2 to 5D2 Thin loess.
142,071	5D3	Blair silt loam, 10 to 18 percent slopes, severely eroded	5D3 to 5D3 Areas of thin loess. Typical Pedon is Perry Co, IL OSD resampled to 80". (5D3)
151,685	8E3	Hickory silty clay loam, 18 to 25 percent slopes, severely eroded	
140,215	8F	Hickory silt loam, 18 to 35 percent slopes	DMU (140,215) 8F in Randolph joins 8F2 in Monroe. Typical Pedon is OSD in Bond Co., IL (8F)
141,748	8G	Hickory silt loam, 35 to 60 percent slopes	8G in Randolph joins 8F2 in Monroe.
151,688	30G	Hamburg silt loam, 35 to 70 percent slopes	30G in in Randolph joins 30F in Monroe. Typical pedon is from Randolph Co., Il (30G)
142,073	31A	Pierron silt loam, 0 to 2 percent slopes	DMU (142,073) Typical Pedon is from Madison Co., Il (OSD) established for soils with MAST > 56 degrees or more that were formerly mapped as Rushville. (31A)
140,221	75C	Drury silt loam, 5 to 10 percent slopes	Typical pedon is in Monroe Co. IL (75C).
140,224	79B	Menfro silt loam, 2 to 5 percent slopes	DMU (140,224) 308B to 79B. Deep loess. Typical Pedon is from St. Clair Co., IL (79B)
140,225	79C2	Menfro silt loam, 5 to 10 percent slopes, eroded	DMU (140,225) 308C2 to 79C2. Deep loess.
142,081	79C3	Menfro silty clay loam, 5 to 10 percent slopes, severely eroded	DMU (142,081) 308C3 to 79C3. Deep loess.
141,761	79D	Menfro silt loam, 10 to 18 percent slopes	DMU (141,761) 308D to 79D. Deep loess. 79D in Randolph joins 8F2 in St. Clair.
141,762	79D3	Menfro silty clay loam, 10 to 18 percent slopes, severely eroded	DMU (141,762) 308D3 to 79D3. Deep loess.
143,782	79E3	Menfro silty clay loam, 18 to 25 percent slopes, severely eroded	DMU (143,782) 308E3 to 79E3. Deep loess. 79E3 in Randolph joins 79F3 in Monroe.
142,084	79F	Menfro silt loam, 18 to 35 percent slopes	DMU (142,084) 308E to 79F. Deep loess.
151,834	84A	Okaw silt loam, 0 to 2 percent slopes	84A in Randolph joins 8084A in St. Clair. Typical Pedon is OSD pedon from Jackson Co., IL (84). A flooding frequency will be probably be added to the map unit in Jackson Co.

DMUiid	Mapunit symbol	Mapunit Name	Mapunit text notes
142,092	113A	Oconee silt loam, 0 to 2 percent slopes	
142,093	113B	Oconee silt loam, 2 to 5 percent slopes	Typical pedon is OSD pedon from Madison Co., IL (113B).
140,235	216G	Stookey silt loam, 35 to 70 percent slopes	Typical Pedon is OSD pedon in Monroe Co., IL update (216G).
142,102	267A	Caseyville silt loam, 0 to 2 percent slopes	164B to 267A. Deep loess. 517A to 267A. Deep loess. Typical Pedon is OSD pedon from St. Clair Co., IL (267A).
142,103	267B	Caseyville silt loam, 2 to 5 percent slopes	164B to 267B Deep loess.
143,795	474A	Piasa silt loam, 0 to 2 percent slopes	474A in Randolph joins 882A in St. Clair. Typical pedon is OSD pedon (resampled) in Montgomery Co., IL (474A).
142,135	477B	Winfield silt loam, 2 to 5 percent slopes	214B to 477B. Deep loess. 453B to 477B. Deep loess. Typical pedon is from St. Clair Co., IL (477B).
142,137	477C2	Winfield silt loam, 5 to 10 percent slopes, eroded	214C2 to 477C2. Deep loess. 453C2 to 477C2. Moderately deep loess.
140,255	491B	Ruma silt loam, 2 to 5 percent slopes	308B to 491B. Moderately deep loess. Typical pedon is OSD pedon from St. Clair Co., IL (491B).
140,256	491C2	Ruma silt loam, 5 to 10 percent slopes, eroded	308C2 to 491C2. Moderately deep loess.
143,784	491D	Ruma silt loam, 10 to 18 percent slopes	491D in Randolph joins 8F2 in St. Clair.
142,145	515C2	Bunkum silt loam, 5 to 10 percent slopes, eroded	DMU (31158) 5C2 to 515C2 in areas of mod. deep loess. Typical pedon is OSD pedon from St. Clair Co., IL (515).
142,146	515C3	Bunkum silty clay loam, 5 to 10 percent slopes, severely eroded	DMU(31159) 5C3 to 515C3 in areas of mod. deep loess. Typical pedon is OSD in St. Clair, Co.
141,822	515D2	Bunkum silt loam, 10 to 18 percent slopes, eroded	5D2 to 515D2 Moderately deep loess.
142,147	515D3	Bunkum silty clay loam, 10 to 18 percent slopes, severely eroded	5D3 to 515D3. Moderately deep loess.
142,148	517A	Marine silt loam, 0 to 2 percent slopes	164A to 517A. Moderately deep loess. 517A to 517A. Moderately deep loess. Typical pedon is OSD pedon (resampled) from Madison County, IL (517).
142,149	517B	Marine silt loam, 2 to 5 percent slopes	164B to 517B. Moderately deep loess.
143,799	570D2	Martinsville fine sandy loam, 10 to 18 percent slopes, eroded	570D2 in Randolph joins 907D3 in St. Clair.
142,152	582B	Homen silt loam, 2 to 5 percent slopes	214B to 582B. Moderately deep loess. 453B to 582B. Moderately deep loess. Typical pedon is OSD pedon from Randolph Co., IL.

DMUiid	Mapunit symbol	Mapunit Name	Mapunit text notes
142,154	582C2	Homen silt loam, 5 to 10 percent slopes, eroded	214C2 to 582C2. Moderately deep loess. 453C2 to 582C2. Moderately deep loess.
140,274	657A	Burksville silt loam, 0 to 2 percent slopes	657A in Randolph joins 882A in St. Clair. Typical pedon is OSD pedon from Monroe Co., IL (657A)
140,279	802D	Orthents, loamy, hilly	802D in Randolph joins 801D in St. Clair.
151,629	851E3	Menfro-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded	851E3 to 851E3. Deep loess. Menfro Typical Pedon is in St. Clair Co., IL (79B). Ursa Typical Pedon is in is in St. Clair Co., IL
150,317	851F	Menfro-Ursa silt loams, 18 to 35 percent slopes	851E to 851F. Deep loess.
151,677	854F	Menfro-Westmore silt loams, 18 to 35 percent slopes	853F to 854F. Deep loess. Menfro Typical Pedon is in St. Clair Co., IL. Westmore Typical Pedon is in Monroe Co., IL.
143,781	855F	Ruma-Westmore silt loams, 18 to 35 percent slopes	853F to 855F. Moderately deep loess. Ruma Typical Pedon is OSD pedon in St. Clair Co., IL. Westmore Typical Pedon is in Monroe Co., IL.
151,670	860D3	Homen-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded	Homen Typical Pedon is OSD pedon in Randolph Co., IL. Atlas Typical Pedon is in Monroe Co., IL.
393,428	871D	Lenzburg gravelly silty clay loam, 7 to 18 percent slopes	871E in Randolph joins 871D in St. Clair.
140,307	884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded	884B2 in Randolph joins 880B2 in St. Clair. 884B2 in Randolph alos joins 882B in St. Clair. Typical Pedon for Bunkum is OSD pedon in St. Clair Co., IL. Typical Pedon for Coulterville is OSD pedon in Monroe Co., IL
142,200	884C3	Bunkum-Coulterville silty clay loams, 5 to 10 percent slopes, severely eroded	884C3 in Randolph joins 878C3 in St. Clair.
143,786	884D3	Bunkum-Coulterville silty clay loams, 10 to 18 percent slopes, severely eroded	934D3 to 884D3. Deeper loess.
143,787	886E3	Ruma-Ursa silty clay loams, 18 to 25 percent slopes, severely eroded	851E3 to 886E3. Deep loess. Typical Pedon for Ruma is OSD pedon in St. Clair Co., IL Typical Pedon for Ursa is in St. Clair Co., IL
140,309	886F	Ruma-Ursa silt loams, 18 to 35 percent slopes	851E to 886F. Moderately deep loess.
142,204	897D3	Bunkum-Atlas silty clay loams, 10 to 18 percent slopes, severely eroded	859D3 to 897D3. Moderately deep loess. Typical Pedon for Bunkum is OSD pedon in St. Clair Co., IL. Typical Pedon for Atlas is in Monroe Co., IL.
393,444	934D3	Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded	934D3 to 934D3. Thin loess. Blair Typical Pedon is OSD pedon from Perry Co., IL. Grantfork Tyoical Pedon is OSD pedon from Madison Co., IL.
151,634	977G	Neotoma-Wellston complex, 35 to 60 percent slopes	The Neotoma soils in this survey area have a base saturation of less than 35 percent directly above the lithic contact and are considered to be taxadjuncts.

DMUid	Mapunit symbol	Mapunit Name	Mapunit text notes
151,645	3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration	71 to 3071L Upland floodplains and outside levee. 3071L in Randolph joins 3288A in St. Clair. Typical Pedon is in Madison Co., IL.
142,110	3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded	180 to 3180A. Uplands. Typical Pedon is OSD pedon in Randolph Co., IL
142,112	3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded	333 to 3333A. Frequently flooded. Typical Pedon is in Madison Co., IL.
142,113	3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded	334A in Randolph joins 3334L in Monroe. Typical pedon is located in Madison Co., IL.
140,244	3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded	331 to 3336A. Upland drainageways. Typical Pedon is in Monroe Co., IL.
142,119	3428A	Coffeen silt loam, 0 to 2 percent slopes, frequently flooded	428 to 3428A. Frequently flooded. Typical Pedon is in Randolph Co., IL.
396,779	3592A	Nameoki silty clay, 0 to 2 percent slopes, frequently flooded	Changed DMU 143789 to DMU 396779 by copying DMU 156062 from Madison Co. Typical Pedon is OSD pedon from Madison Co., IL.
142,142	5079C	Menfro silt loam, karst, 5 to 12 percent slopes, severely eroded	5308C to 5079C. Deep loess.
142,143	5079D	Menfro silt loam, karst, 12 to 25 percent slopes, eroded	5308E to 5079D. Deep loess.
140,266	5491C	Ruma silty clay loam, karst, 5 to 12 percent slopes, severely eroded	5308C to 5491C. Moderately deep loess.
140,267	5491D	Ruma silt loam, karst, 12 to 25 percent slopes, eroded	5308E to 5491D. Moderately deep loess.
140,276	7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded	430A to 7430A. Foothslopes. Typical Pedon is OSD pedon in Jackson Co., IL.
142,162	8071L	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded, long duration	71 to 8071L inside levee
140,283	8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded	331 to 8078A. Mississippi River Floodplain. Typical Pedon for Arenzville is in Randolph Co., IL.
151,836	8085L	Jacob silty clay, 0 to 2 percent slopes, occasionally flooded, long duration	85 to 8085L. Occasional, Long flooding.
393,448	8122C2	Colp silt loam, 5 to 10 percent slopes, eroded, occasionally flooded	122C2 in Randolph joins 8122C in St. Clair. 122C2 in Randolph also joins 8812F in St. Clair.
140,287	8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded	180 to 8180A. Mississippi River.
140,292	8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded	333 to 8333A. Mississippi River Floodplain.
143,791	8428A	Coffeen silt loam, 0 to 2 percent slopes, occasionally flooded	428 to 8428A. Mississippi River Floodplain.
152,735	8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded	430A to 8674A. Floodplains. 8674A in Randolph joins 7430A in Monroe. Typical Pedon is OSD pedon in Randolph Co., IL.

PRIME FARMLAND of Randolph 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
79B	Menfro silt loam, 2 to 5 percent slopes
113A	Oconee silt loam, 0 to 2 percent slopes (Prime farmland if drained)
113B	Oconee silt loam, 2 to 5 percent slopes
122B	Colp silt loam, 2 to 5 percent slopes
184B	Roby fine sandy loam, 2 to 5 percent slopes
267A	Caseyville silt loam, 0 to 2 percent slopes (Prime farmland if drained)
267B	Caseyville silt loam, 2 to 5 percent slopes
423A	Millstadt silt loam, 0 to 2 percent slopes (Prime farmland if drained)
437B	Redbud silt loam, 2 to 5 percent slopes
468A	Lakaskia silty clay loam, 0 to 2 percent slopes (Prime farmland if drained)
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
570B	Martinsville silt loam, 2 to 5 percent slopes
571B	Whitaker 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)
823B	Schuline silt loam, 1 to 5 percent slopes
824B	Swanwick silt loam, 1 to 5 percent slopes
884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded
3038B	Rocher loam, 2 to 5 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if 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)
3391A	Blake silty clay loam, 0 to 2 percent slopes, frequently flooded (Prime farmland if protected from flooding or not frequently flooded during the growing season)
3394B	Haynie silt loam, 2 to 5 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)
7430A	Raddle silt loam, 0 to 2 percent slopes, rarely flooded
8038B	Rocher loam, 2 to 5 percent slopes, occasionally flooded
8078A	Arenzville silt loam, 0 to 2 percent slopes, occasionally flooded
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded
8304B	Landes very fine sandy loam, 2 to 5 percent slopes, occasionally flooded
8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded (Prime farmland if drained)
8394B	Haynie silt loam, 2 to 5 percent slopes, occasionally flooded
8428A	Coffeen silt loam, 0 to 2 percent slopes, occasionally flooded
8674A	Dozaville silt loam, 0 to 2 percent slopes, occasionally flooded
8787A	Banlic silt loam, 0 to 2 percent slopes, occasionally flooded (Prime farmland if drained)

CLASSIFICATION OF THE SOILS OF RANDOLPH 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
Arenzville-----	Coarse-silty, mixed, superactive, nonacid, mesic Typic Udifluvents
Atlas-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Banlic-----	Coarse-silty, mixed, active, acid, mesic Fragic Epiaquepts
Birds-----	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Blair-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Blake-----	Fine-silty, mixed, superactive, calcareous, mesic Aquic Udifluvents
Bloomfield-----	Sandy, mixed, mesic Lamellic Hapludalfs
Booker-----	Very-fine, smectitic, mesic Vertic Endoaquolls
Brookside-----	Fine, mixed, active, mesic Oxyaquic Hapludalfs
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
Darwin-----	Fine, smectitic, mesic Fluvaquentic Vertic Endoaquolls
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
Fluvaquents-----	Loamy, mixed, superactive, nonacid, mesic Fluvaquents
Fluvaquents, loamy-----	Loamy, mixed, superactive, nonacid, mesic Fluvaquents
Fults-----	Fine, smectitic, mesic Vertic Endoaquolls
Grantfork-----	Fine-loamy, mixed, superactive, mesic Aeric Epiaqualfs
Hamburg-----	Coarse-silty, mixed, superactive, calcareous, mesic Typic Udorthents
Haynie-----	Coarse-silty, mixed, superactive, calcareous, mesic Mollic Udifluvents
Hickory-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Homen-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Hurst-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Jacob-----	Very-fine, smectitic, acid, mesic Vertic Endoaquepts
Lakaskia-----	Fine, mixed, superactive, mesic Vertic Argiaquolls
Landes-----	Coarse-loamy, mixed, superactive, mesic Fluventic Hapludolls
Lenzburg-----	Fine-loamy, mixed, active, calcareous, mesic Haplic Udarents
Marine-----	Fine, smectitic, mesic Aeric Albaqualfs
Markland-----	Fine, mixed, active, mesic Typic Hapludalfs
Martinsville-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Menfro-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Millstadt-----	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Morristown-----	Loamy-skeletal, mixed, active, calcareous, mesic Typic Udorthents
Nameoki-----	Fine, smectitic, mesic Aquertic Hapludolls
*Neotoma-----	Loamy-skeletal, mixed, active, mesic Ultic Hapludalfs
Oconee-----	Fine, smectitic, mesic Udollic Epiaqualfs
Okaw-----	Fine, smectitic, mesic Chromic Vertic Albaqualfs
Orthents-----	Fine-loamy, mixed, active, nonacid, mesic Typic Udorthents
Orthents, loamy-----	Fine-loamy, mixed, active, nonacid, mesic Typic Udorthents
Petrolia-----	Fine-silty, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
Piasa-----	Fine, smectitic, mesic Mollic Natraqualfs
Pierron-----	Fine, smectitic, mesic Typic Albaqualfs
Raddle-----	Fine-silty, mixed, superactive, mesic Typic Hapludolls
Redbud-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Roby-----	Coarse-loamy, mixed, superactive, mesic Aquic Hapludalfs
Rocher-----	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udifluvents
Ruma-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Schuline-----	Fine-loamy, mixed, superactive, calcareous, mesic Alfic Udarents
Stokey-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Swanwick-----	Fine-silty, mixed, active, nonacid, mesic Alfic Udarents
Tice-----	Fine-silty, mixed, superactive, mesic Fluvaquentic Hapludolls

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

Soil name	Family or higher taxonomic class
Ursa-----	Fine, smectitic, mesic Chromic Vertic Hapludalfs
Wakeland-----	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Wellston-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Westmore-----	Fine-silty, mixed, active, mesic Typic Hapludalfs
Whitaker-----	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts
Winfield-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs

Certification Statement

The MLRA Region 11 Team Leader certifies that:

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

Jackson County - Modern soil survey (1979)
Monroe County - Update survey certified 2000
Perry County - Modern soil survey (1988)
St. Clair County – Update survey certified 1999
Washington County - Modern soil survey (1998)

An exact join has been completed with Monroe and St. Clair Counties, except for a few polygons that will be joined when these two counties are recertified.

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 Randolph 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