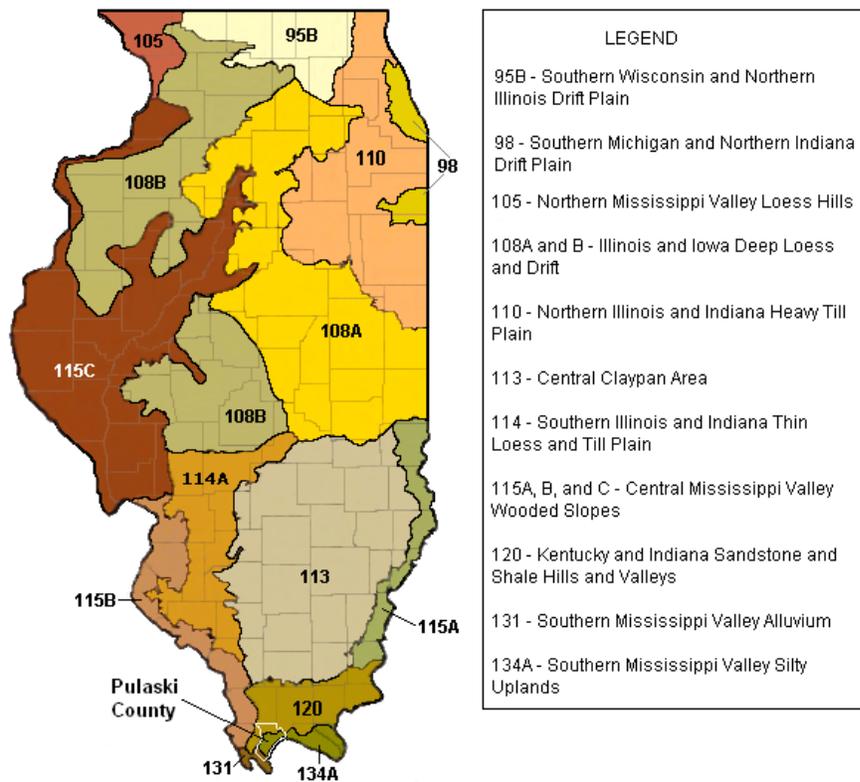


United States Department  
of Agriculture  
Natural Resources  
Conservation Service

Southern Appalachian  
Regional MLRA  
Soil Survey Office and  
East Central Glaciated  
Regional MLRA  
Soil Survey Office  
Indianapolis, IN

# Classification and Correlation of Soils in Pulaski County, Illinois

A Subset of MLRA 120, 131 & 134



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

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

**A Subset of MLRA 120, 131 & 134**

**November 2004**

This correlation was prepared by Gary Struben, Soil Data Quality Specialist (SDQS), MLRA Region 11 team, Indianapolis, Indiana; John C. Doll, MLRA Soil Survey Coordinator, NRCS, Champaign, Illinois; and Dwayne Williams, NRCS, Soil Scientist. Sam Indorante, MLRA Project Leader, Ed Workman, NRCS, Soil Conservationist; Jon Bathgate, NRCS, GIS Specialist; Matt McCauley, NRCS Resource Soil Scientist and Bryan Fitch, NRCS, Soil Scientist provided much of the information relating to the recorrelation of the soils in Pulaski County. This document was prepared as part of the update of the Soil Survey of Pulaski County, a subset of MLRA 120, 131 & 134. A correlation conference was held for the Southern 7 counties from March 27 to March 30, 2001. Those participating in the conference were the same people previously listed.

This correlation is based on decisions made at that conference. Decisions were based on the documentation of field investigations, transect data, field notes, pedon descriptions, survey field notes, special studies and laboratory data, published Pulaski County soil maps, the descriptive legend in the “Classification and Correlation of the Soils of Alexander-Pulaski Soil Survey Area, Illinois” – August 1965, and the text and tables in the published Pulaski and Alexander Counties Soil Survey Report – 1968.

Headnote for detailed soil survey legend:

This update of Pulaski County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Areas (MLRA) 120, 131 & 134. Map units and their symbols and special and conventional symbols are consistent between subsets that are being updated. Most mapunit 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. Map units without a capital letter are miscellaneous units. The symbol + following the slope letter indicates an overwash phase.

## Soil Correlation of Pulaski County, Illinois

(This legend represents the majority of the standard correlations that took place with this update. With certain polygons, however, correlations were made outside this legend which were based on field investigations, enhanced photo tones, changes in land use, and/or refined soil-landscape relationships.)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
79B	Menfro silt loam, 2 to 5 percent slopes	79B	Menfro silt loam, 2 to 5 percent slopes
308B	ALFORD SILT LOAM, 2 TO 4 PERCENT SLOPES		
308C	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES		
308C2	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED		
990F	ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES		
990G	ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES		
79C	Menfro silt loam, 5 to 10 percent slopes	79C	Menfro silt loam, 5 to 10 percent slopes
308C	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES		
308D	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES		
990F	ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES		
990G	ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES		
79C2	Menfro silt loam, 5 to 10 percent slopes, eroded	79C2	Menfro silt loam, 5 to 10 percent slopes, eroded
308C	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES		
308C2	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED		
308D	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES		
308D2	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED		
308D3	ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED		
990F	ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES		
990G	ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES		
79C3	Menfro silt loam, 5 to 10 percent slopes, severely eroded	79C3	Menfro silt loam, 5 to 10 percent slopes, severely eroded
308D2	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED		
308D3	ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED		
990F	ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES		
990G	ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES		
79D	Menfro silt loam, 10 to 18 percent slopes	79D	Menfro silt loam, 10 to 18 percent slopes
308D	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES		
990F	ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES		
990G	ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES		
79D2	Menfro silt loam, 10 to 18 percent slopes, eroded	79D2	Menfro silt loam, 10 to 18 percent slopes, eroded
308D	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES		
308D2	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED		
308D3	ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED		
308E2	ALFORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED		
308E3	ALFORD SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED		
990F	ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES		
990G	ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES		

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
79D3 308D2 308D3 308E2 308E3 990F 990G	Menfro silt loam, 10 to 18 percent slopes, severely eroded ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED ALFORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED ALFORD SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES	79D3	Menfro silt loam, 10 to 18 percent slopes, severely eroded
79E 308F 990F 990G	Menfro silt loam, 18 to 25 percent slopes ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES	79E	Menfro silt loam, 18 to 25 percent slopes
79E2 214F2 308F 308F2 308F3 990F 990G	Menfro silt loam, 18 to 25 percent slopes, eroded HOSMER SILT LOAM, 18 TO 30 PERCENT SLOPES, ERODED ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES, ERODED ALFORD SOILS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES	79E2	Menfro silt loam, 18 to 25 percent slopes, eroded
79E3 214F3 308F3 990F 990G	Menfro silt loam, 18 to 25 percent slopes, severely eroded HOSMER SOILS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED ALFORD SOILS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES	79E3	Menfro silt loam, 18 to 25 percent slopes, severely eroded
79F 214F2 214F3 308F 308F2 308F3 990F 990G	Menfro silt loam, 25 to 35 percent slopes HOSMER SILT LOAM, 18 TO 30 PERCENT SLOPES, ERODED HOSMER SOILS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES, ERODED ALFORD SOILS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES	79F	Menfro silt loam, 25 to 35 percent slopes
164A 164A 164B	STOY SILT LOAM, 0 TO 2 PERCENT SLOPES Stoy silt loam, 0 to 2 percent slopes STOY SILT LOAM, 2 TO 4 PERCENT SLOPES	164A	Stoy silt loam, 0 to 2 percent slopes
164A 164B 164B	STOY SILT LOAM, 0 TO 2 PERCENT SLOPES STOY SILT LOAM, 2 TO 4 PERCENT SLOPES Stoy silt loam, 2 to 5 percent slopes	164B	Stoy silt loam, 2 to 5 percent slopes
165 165A	WEIR SILT LOAM Weir silt loam, 0 to 2 percent slopes	165A	Weir silt loam, 0 to 2 percent slopes

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
175B 175B	Lamont fine sandy loam, 2 to 5 percent slopes LAMONT FINE SANDY LOAM, 2 TO 4 PERCENT SLOPES	175B	Lamont fine sandy loam, 2 to 5 percent slopes
214B 214B 214C 214C2 214C3	Hosmer silt loam, 2 to 5 percent slopes HOSMER SILT LOAM, 2 TO 4 PERCENT SLOPES HOSMER SILT LOAM, 4 TO 7 PERCENT SLOPES HOSMER SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED HOSMER SOILS, 4 TO 7 PERCENT SLOPES, SEVERELY ERODED	214B	Hosmer silt loam, 2 to 5 percent slopes
214C 214C	Hosmer silt loam, 5 to 10 percent slopes HOSMER SILT LOAM, 4 TO 7 PERCENT SLOPES	214C	Hosmer silt loam, 5 to 10 percent slopes
214C2 214C2 214C3 214D2	HOSMER SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED Hosmer silt loam, 5 to 10 percent slopes, eroded HOSMER SOILS, 4 TO 7 PERCENT SLOPES, SEVERELY ERODED HOSMER SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED	214C2	Hosmer silt loam, 5 to 10 percent slopes, eroded
214C3 214C3 214D3	Hosmer silt loam, 5 to 10 percent slopes, severely eroded HOSMER SOILS, 4 TO 7 PERCENT SLOPES, SEVERELY ERODED HOSMER SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED	214C3	Hosmer silt loam, 5 to 10 percent slopes, severely eroded
214C2 214D2 214D2 214E2	HOSMER SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED Hosmer silt loam, 10 to 18 percent slopes, eroded HOSMER SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED HOSMER SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED	214D2	Hosmer silt loam, 10 to 18 percent slopes, eroded
214C3 214D3 214D3 214E3	HOSMER SOILS, 4 TO 7 PERCENT SLOPES, SEVERELY ERODED Hosmer silt loam, 10 to 18 percent slopes, severely eroded HOSMER SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED HOSMER SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED	214D3	Hosmer silt loam, 10 to 18 percent slopes, severely eroded
216D2 216E 216F 216F3 216G	Stookey silt loam, 10 to 18 percent slopes, eroded STOOKEY SILT LOAM, 12 TO 18 PERCENT SLOPES STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED STOOKEY SILT LOAM, 30 TO 50 PERCENT SLOPES	216D2	Stookey silt loam, 10 to 18 percent slopes, eroded
216E 216F 216F3 216G	Stookey silt loam, 18 to 25 percent slopes STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED STOOKEY SILT LOAM, 30 TO 50 PERCENT SLOPES	216E	Stookey silt loam, 18 to 25 percent slopes
216E2 216F 216F3 216G	Stookey silt loam, 18 to 25 percent slopes, eroded STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED STOOKEY SILT LOAM, 30 TO 50 PERCENT SLOPES	216E2	Stookey silt loam, 18 to 25 percent slopes, eroded
216E3 216F3 216G	Stookey silt loam, 18 to 25 percent slopes, severely eroded STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED STOOKEY SILT LOAM, 30 TO 50 PERCENT SLOPES	216E3	Stookey silt loam, 18 to 25 percent slopes, severely eroded

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
216F 216F 216F3 216G	Stookey silt loam, 25 to 35 percent slopes STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED STOOKEY SILT LOAM, 30 TO 50 PERCENT SLOPES	216F	Stookey silt loam, 25 to 35 percent slopes
216F 216F3 216G 216G	STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES STOOKEY SILT LOAM, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED STOOKEY SILT LOAM, 30 TO 50 PERCENT SLOPES Stookey silt loam, 35 to 70 percent slopes	216G	Stookey silt loam, 35 to 70 percent slopes
308B 308B 308C 308C2	ALFORD SILT LOAM, 2 TO 4 PERCENT SLOPES Alford silt loam, 2 to 5 percent slopes ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED	308B	Alford silt loam, 2 to 5 percent slopes
308C 308C 308D	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES Alford silt loam, 5 to 10 percent slopes ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES	308C	Alford silt loam, 5 to 10 percent slopes
308C 308C2 308C2 308D 308D2 308D3	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES Alford silt loam, 5 to 10 percent slopes, eroded ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED	308C2	Alford silt loam, 5 to 10 percent slopes, eroded
308C 308C2 308C3 308D 308D2 308D3	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED Alford silt loam, 5 to 10 percent slopes, severely eroded ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED	308C3	Alford silt loam, 5 to 10 percent slopes, severely eroded
308D	Alford silt loam, 10 to 18 percent slopes	308D	Alford silt loam, 10 to 18 percent slopes
308D 308D2 308D2 308D3 308E2 308E3	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES Alford silt loam, 10 to 18 percent slopes, eroded ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED ALFORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED ALFORD SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED	308D2	Alford silt loam, 10 to 18 percent slopes, eroded
308D 308D2 308D3 308D3 308E2 308E3	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED Alford silt loam, 10 to 18 percent slopes, severely eroded ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED ALFORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED ALFORD SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED	308D3	Alford silt loam, 10 to 18 percent slopes, severely eroded
308E 308F	Alford silt loam, 18 to 25 percent slopes ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES	308E	Alford silt loam, 18 to 25 percent slopes

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
308E2 308F 308F2 308F3	Alford silt loam, 18 to 25 percent slopes, eroded ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES, ERODED ALFORD SOILS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED	308E2	Alford silt loam, 18 to 25 percent slopes, eroded
308E3 308F 308F2 308F3	Alford silt loam, 18 to 25 percent slopes, severely eroded ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES, ERODED ALFORD SOILS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED	308E3	Alford silt loam, 18 to 25 percent slopes, severely eroded
214F2 214F3 308F 308F2 308F3	HOSMER SILT LOAM, 18 TO 30 PERCENT SLOPES, ERODED HOSMER SOILS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED Alford silt loam, 25 to 35 percent slopes ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES ALFORD SILT LOAM, 18 TO 30 PERCENT SLOPES, ERODED ALFORD SOILS, 18 TO 30 PERCENT SLOPES, SEVERELY ERODED	308F	Alford silt loam, 25 to 35 percent slopes
308C 453C	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES Muren silt loam, 5 to 10 percent slopes	453C	Muren silt loam, 5 to 10 percent slopes
308C 308C2 308D 308D2 308D3 453C3	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED Muren silt loam, 5 to 10 percent slopes, severely eroded	453C3	Muren silt loam, 5 to 10 percent slopes, severely eroded
308D 308D2 308D3 308E2 308E3 453D2	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED ALFORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED ALFORD SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED Muren silt loam, 10 to 18 percent slopes, eroded	453D2	Muren silt loam, 10 to 18 percent slopes, eroded
308D 308D2 308D3 308E2 308E3 453D3	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED ALFORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED ALFORD SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED Muren silt loam, 10 to 18 percent slopes, severely eroded	453D3	Muren silt loam, 10 to 18 percent slopes, severely eroded
308C 308C2 477B	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED Winfield silt loam, 2 to 5 percent slopes	477B	Winfield silt loam, 2 to 5 percent slopes

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
308C 308C2 308D 308D2 308D3 477C2	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED Winfield silt loam, 5 to 10 percent slopes, eroded	477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
308C 308C2 308D 308D2 308D3 477C3	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED Winfield silt loam, 5 to 10 percent slopes, severely eroded	477C3	Winfield silt loam, 5 to 10 percent slopes, severely eroded
308D 308D2 308D3 308E2 308E3 477D2	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED ALFORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED ALFORD SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED Winfield silt loam, 10 to 18 percent slopes, eroded	477D2	Winfield silt loam, 10 to 18 percent slopes, eroded
308D2 308D3 308E2 308E3 477D3	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED ALFORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED ALFORD SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED Winfield silt loam, 10 to 18 percent slopes, severely eroded	477D3	Winfield silt loam, 10 to 18 percent slopes, severely eroded
694D2 990F 990G	Menfro-Baxter complex, 10 to 18 percent slopes, eroded ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES	694D2	Menfro-Baxter complex, 10 to 18 percent slopes, eroded
694F 990F 990G	Menfro-Baxter complex, 18 to 35 percent slopes ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES	694F	Menfro-Baxter complex, 18 to 35 percent slopes
717F 990F 990G	Stookey-Clarksville complex, 18 to 35 percent slopes ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES	717F	Stookey-Clarksville complex, 18 to 35 percent slopes
717G 990F 990G	Clarksville-Stookey complex, 35 to 70 percent slopes ALFORD-CLARKSVILLE COMPLEX, 18 TO 30 PERCENT SLOPES ALFORD-CLARKSVILLE COMPLEX, 30 TO 60 PERCENT SLOPES	717G	Clarksville-Stookey complex, 35 to 70 percent slopes

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
801B B.P. M.L.	Orthents, silty, undulating BORROW PITS MADE LAND, AIRPORT ETC...	801B	Orthents, silty, undulating
802D B.P. LEVEE M.L.	Orthents, loamy, hilly BORROW PITS LEVEES MADE LAND, AIRPORT ETC...	802D	Orthents, loamy, hilly
864 QUARRY	Pits, quarries QUARRIES AND GRAVEL PITS	864	Pits, quarries
865 QUARRY	Pits, gravel QUARRIES AND GRAVEL PITS	865	Pits, gravel
1843A W108 W288 W420	Bonnie and Petrolia soils, undrained, 0 to 2 percent slopes, frequently flooded BONNIE SILT LOAM, WET PETROLIA SILTY CLAY LOAM, WET PIOPOLIS SILTY CLAY LOAM, WET	1843A	Bonnie and Petrolia soils, undrained, 0 to 2 percent slopes, frequently flooded
85 1845A W71	JACOB CLAY Darwin and Jacob silty clays, undrained, 0 to 2 percent slopes, frequently flooded DARWIN SILTY CLAY, WET	1845A	Darwin and Jacob silty clays, undrained, 0 to 2 percent slopes, frequently flooded
1846A W422 W426	Karnak and Cape silty clays, undrained, 0 to 2 percent slopes, frequently flooded CAPE AND KARNAK SILTY CLAY LOAMS, WET KARNAK SILTY CLAY, WET	1846A	Karnak and Cape silty clays, undrained, 0 to 2 percent slopes, frequently flooded
70 3070A	BEAUCOUP SILTY CLAY LOAM Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded	3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded
70 3070L	BEAUCOUP SILTY CLAY LOAM 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
71A 85 525 3071A	DARWIN SILTY CLAY, 0 TO 2 PERCENT SLOPES JACOB CLAY DARWIN SILTY CLAY LOAM Darwin silty clay, 0 to 2 percent slopes, frequently flooded	3071A	Darwin silty clay, 0 to 2 percent slopes, frequently flooded
72 331 3072A	SHARON SILT LOAM HAYMOND SILT LOAM Sharon silt loam, 0 to 3 percent slopes, frequently flooded	3072A	Sharon silt loam, 0 to 3 percent slopes, frequently flooded
108 109 334 3108A	BONNIE SILT LOAM RACoon SILT LOAM BIRDS SILT LOAM Bonnie silt loam, 0 to 2 percent slopes, frequently flooded	3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded
162A 3162L	GORHAM SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES Gorham silty clay loam, 0 to 3 percent slopes, frequently flooded, long duration	3162L	Gorham silty clay loam, 0 to 3 percent slopes, frequently flooded, long duration
180 3180A	DUPO SILT LOAM Dupo silt loam, 0 to 2 percent slopes, frequently flooded	3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded
284A 3284A	TICE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES Tice silty clay loam, 0 to 2 percent slopes, frequently flooded	3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded
284A 3284L	TICE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES Tice silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	3284L	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
108+ 288 420 3288A	BONNIE SILTY CLAY LOAM, OVERWASH PETROLIA SILTY CLAY LOAM PIOPOLIS SILTY CLAY LOAM Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded	3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded
288 3288L	PETROLIA SILTY CLAY LOAM Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	3288L	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
72 331 3331A	SHARON SILT LOAM HAYMOND SILT LOAM Haymond silt loam, 0 to 3 percent slopes, frequently flooded	3331A	Haymond silt loam, 0 to 3 percent slopes, frequently flooded
72 331 3331L	SHARON SILT LOAM HAYMOND SILT LOAM Haymond silt loam, 0 to 3 percent slopes, frequently flooded, long duration	3331L	Haymond silt loam, 0 to 3 percent slopes, frequently flooded, long duration
333 382 3333A	WAKELAND SILT LOAM BELKNAP SILT LOAM Wakeland silt loam, 0 to 2 percent slopes, frequently flooded	3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
333 3333L	WAKELAND SILT LOAM Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, long duration	3333L	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, long duration
108 334 3334A	BONNIE SILT LOAM BIRDS SILT LOAM Birds silt loam, 0 to 2 percent slopes, frequently flooded	3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
108 334 3334L	BONNIE SILT LOAM BIRDS SILT LOAM Birds silt loam, 0 to 2 percent slopes, frequently flooded, long duration	3334L	Birds silt loam, 0 to 2 percent slopes, frequently flooded, long duration
333 382 3382A	WAKELAND SILT LOAM BELKNAP SILT LOAM Belknap silt loam, 0 to 2 percent slopes, frequently flooded	3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
108+ 288 420 3420A	BONNIE SILTY CLAY LOAM, OVERWASH PETROLIA SILTY CLAY LOAM PIOPOLIS SILTY CLAY LOAM Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded	3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded
422 426 3422A	CAPE AND KARNAK SILTY CLAY LOAMS KARNAK SILTY CLAY Cape silty clay loam, 0 to 2 percent slopes, frequently flooded	3422A	Cape silty clay loam, 0 to 2 percent slopes, frequently flooded
422+ 3422A+	CAPE AND KARNAK SILT LOAMS, OVERWASH Cape silt loam, overwash, 0 to 2 percent slopes, frequently flooded	3422A+	Cape silt loam, overwash, 0 to 2 percent slopes, frequently flooded
84 401 422 426 3426A	OKAW SILT LOAM OKAW SILTY CLAY LOAM CAPE AND KARNAK SILTY CLAY LOAMS KARNAK SILTY CLAY Karnak silty clay, 0 to 2 percent slopes, frequently flooded	3426A	Karnak silty clay, 0 to 2 percent slopes, frequently flooded
422+ 3426A+	CAPE AND KARNAK SILT LOAMS, OVERWASH Karnak silt loam, overwash, 0 to 2 percent slopes, frequently flooded	3426A+	Karnak silt loam, overwash, 0 to 2 percent slopes, frequently flooded
426 3426L	KARNAK SILTY CLAY Karnak silty clay, 0 to 2 percent slopes, frequently flooded, long duration	3426L	Karnak silty clay, 0 to 2 percent slopes, frequently flooded, long duration

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
455 3449L	ALLUVIAL LAND Armiesburg-Sarpy complex, 0 to 2 percent slopes, frequently flooded, long duration	3449L	Armiesburg-Sarpy complex, 0 to 2 percent slopes, frequently flooded, long duration
304A 3456BL	LANDES FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES Ware loam, 1 to 6 percent slopes, frequently flooded, long duration	3456BL	Ware loam, 1 to 6 percent slopes, frequently flooded, long duration
306 3597L	ALLISON SILTY CLAY LOAM Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	3597L	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
308B 308C 308C2 5079B2	ALFORD SILT LOAM, 2 TO 4 PERCENT SLOPES ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED Menfro silt loam, karst, 2 to 5 percent slopes, eroded	5079B2	Menfro silt loam, karst, 2 to 5 percent slopes, eroded
308C 308C2 308D 308D2 308D3 5079C3	ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES ALFORD SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED Menfro silt loam, karst, 5 to 10 percent slopes, severely eroded	5079C3	Menfro silt loam, karst, 5 to 10 percent slopes, severely eroded
308D 308D2 308D3 308E2 308E3 5079D3	ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES ALFORD SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED ALFORD SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED ALFORD SILT LOAM, 12 TO 18 PERCENT SLOPES, ERODED ALFORD SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED Menfro silt loam, karst, 10 to 18 percent slopes, severely eroded	5079D3	Menfro silt loam, karst, 10 to 18 percent slopes, severely eroded
84 7084A	OKAW SILT LOAM Okaw silt loam, 0 to 2 percent slopes, rarely flooded	7084A	Okaw silt loam, 0 to 2 percent slopes, rarely flooded
467C3 7122B	MARKLAND SOILS, 4 TO 12 PERCENT SLOPES, SEVERELY ERODED Colp silt loam, 2 to 5 percent slopes, rarely flooded	7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded
467C3 7122C2	MARKLAND SOILS, 4 TO 12 PERCENT SLOPES, SEVERELY ERODED Colp silt loam, 5 to 10 percent slopes, eroded, rarely flooded	7122C2	Colp silt loam, 5 to 10 percent slopes, eroded, rarely flooded
467C3 7122D2	MARKLAND SOILS, 4 TO 12 PERCENT SLOPES, SEVERELY ERODED Colp silt loam, 10 to 18 percent slopes, eroded, rarely flooded	7122D2	Colp silt loam, 10 to 18 percent slopes, eroded, rarely flooded
131A 7131A	ALVIN FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES Alvin fine sandy loam, 0 to 2 percent slopes, rarely flooded	7131A	Alvin fine sandy loam, 0 to 2 percent slopes, rarely flooded
131B 131C 131C2 7131B	ALVIN FINE SANDY LOAM, 2 TO 4 PERCENT SLOPES ALVIN FINE SANDY LOAM, 4 TO 7 PERCENT SLOPES ALVIN FINE SANDY LOAM, 4 TO 7 PERCENT SLOPES, ERODED Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded	7131B	Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
131C 7131C	ALVIN FINE SANDY LOAM, 4 TO 7 PERCENT SLOPES Alvin fine sandy loam, 5 to 10 percent slopes, rarely flooded	7131C	Alvin fine sandy loam, 5 to 10 percent slopes, rarely flooded
131C2	ALVIN FINE SANDY LOAM, 4 TO 7 PERCENT SLOPES, ERODED	7131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded
131D2 7131C2	ALVIN FINE SANDY LOAM, 7 TO 12 PERCENT SLOPES, ERODED Alvin fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded	7131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded, rarely flooded
131D2 7131D2	ALVIN FINE SANDY LOAM, 7 TO 12 PERCENT SLOPES, ERODED Alvin fine sandy loam, 10 to 18 percent slopes, eroded, rarely flooded	7131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded, rarely flooded
338A 7338A	HURST SILT LOAM, 0 TO 2 PERCENT SLOPES Hurst silt loam, 0 to 2 percent slopes, rarely flooded	7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded
338B 7338B	HURST SILT LOAM, 2 TO 4 PERCENT SLOPES Hurst silt loam, 2 to 5 percent slopes, rarely flooded	7338B	Hurst silt loam, 2 to 5 percent slopes, rarely flooded
401 7401A	OKAW SILTY CLAY LOAM Okaw silty clay loam, 0 to 2 percent slopes, rarely flooded	7401A	Okaw silty clay loam, 0 to 2 percent slopes, rarely flooded
460 7460A	GINAT SILT LOAM Ginat silt loam, 0 to 2 percent slopes, rarely flooded	7460A	Ginat silt loam, 0 to 2 percent slopes, rarely flooded
462A 7462A	SCIOTOVILLE SILT LOAM, 0 TO 2 PERCENT SLOPES Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded	7462A	Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded
462B 462C2 462C3 7462B	SCIOTOVILLE SILT LOAM, 2 TO 4 PERCENT SLOPES SCIOTOVILLE SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED SCIOTOVILLE SOILS, 4 TO 7 PERCENT SLOPES, SEVERELY ERODED Sciotoville silt loam, 2 to 5 percent slopes, rarely flooded	7462B	Sciotoville silt loam, 2 to 5 percent slopes, rarely flooded
462C2 462D2 7462C2	SCIOTOVILLE SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED SCIOTOVILLE SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED Sciotoville silt loam, 5 to 10 percent slopes, eroded, rarely flooded	7462C2	Sciotoville silt loam, 5 to 10 percent slopes, eroded, rarely flooded
462C3 462D3 7462C3	SCIOTOVILLE SOILS, 4 TO 7 PERCENT SLOPES, SEVERELY ERODED SCIOTOVILLE SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED Sciotoville silt loam, 5 to 10 percent slopes, severely eroded, rarely flooded	7462C3	Sciotoville silt loam, 5 to 10 percent slopes, severely eroded, rarely flooded
462D2 7462D2	SCIOTOVILLE SILT LOAM, 7 TO 12 PERCENT SLOPES, ERODED Sciotoville silt loam, 10 to 18 percent slopes, eroded, rarely flooded	7462D2	Sciotoville silt loam, 10 to 18 percent slopes, eroded, rarely flooded
462D3 7462D3	SCIOTOVILLE SOILS, 7 TO 12 PERCENT SLOPES, SEVERELY ERODED Sciotoville silt loam, 10 to 18 percent slopes, severely eroded, rarely flooded	7462D3	Sciotoville silt loam, 10 to 18 percent slopes, severely eroded, rarely flooded
463A 7463A	WHEELING SILT LOAM, 0 TO 2 PERCENT SLOPES Wheeling silt loam, 0 to 2 percent slopes, rarely flooded	7463A	Wheeling silt loam, 0 to 2 percent slopes, rarely flooded

## Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
463B 463C2 7463B	WHEELING SILT LOAM, 2 TO 4 PERCENT SLOPES WHEELING SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED Wheeling silt loam, 2 to 5 percent slopes, rarely flooded	7463B	Wheeling silt loam, 2 to 5 percent slopes, rarely flooded
463C2 7463C2	WHEELING SILT LOAM, 4 TO 7 PERCENT SLOPES, ERODED Wheeling silt loam, 5 to 10 percent slopes, eroded, rarely flooded	7463C2	Wheeling silt loam, 5 to 10 percent slopes, eroded, rarely flooded
463E3 7463D3	WHEELING SOILS, 12 TO 18 PERCENT SLOPES, SEVERELY ERODED Wheeling silt loam, 10 to 18 percent slopes, severely eroded, rarely flooded	7463D3	Wheeling silt loam, 10 to 18 percent slopes, severely eroded, rarely flooded
461A 7711A	WEINBACH SILT LOAM, 0 TO 2 PERCENT SLOPES Hatfield silt loam, 0 to 2 percent slopes, rarely flooded	7711A	Hatfield silt loam, 0 to 2 percent slopes, rarely flooded
461B 7711B	WEINBACH SILT LOAM, 2 TO 4 PERCENT SLOPES Hatfield silt loam, 2 to 5 percent slopes, rarely flooded	7711B	Hatfield silt loam, 2 to 5 percent slopes, rarely flooded
70 8070A	BEAUCOUP SILTY CLAY LOAM Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded	8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded
71A 525 8071A	DARWIN SILTY CLAY, 0 TO 2 PERCENT SLOPES DARWIN SILTY CLAY LOAM Darwin silty clay, 0 to 2 percent slopes, occasionally flooded	8071A	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded
72 331 8072A	SHARON SILT LOAM HAYMOND SILT LOAM Sharon silt loam, 0 to 3 percent slopes, occasionally flooded	8072A	Sharon silt loam, 0 to 3 percent slopes, occasionally flooded
85 8085A	JACOB CLAY Jacob silty clay, 0 to 2 percent slopes, occasionally flooded	8085A	Jacob silty clay, 0 to 2 percent slopes, occasionally flooded
108 334 8108A	BONNIE SILT LOAM BIRDS SILT LOAM Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded	8108A	Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded
109 8109A	RACCOON SILT LOAM Raccoon silt loam, 0 to 2 percent slopes, occasionally flooded	8109A	Raccoon silt loam, 0 to 2 percent slopes, occasionally flooded
162A 8162A	GORHAM SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES Gorham silty clay loam, 0 to 2 percent slopes, occasionally flooded	8162A	Gorham silty clay loam, 0 to 2 percent slopes, occasionally flooded
178 8178A	RUARK FINE SANDY LOAM Ruark fine sandy loam, 0 to 2 percent slopes, occasionally flooded	8178A	Ruark fine sandy loam, 0 to 2 percent slopes, occasionally flooded
180 8180A	DUPO SILT LOAM Dupo silt loam, 0 to 2 percent slopes, occasionally flooded	8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
184A 8184A	ROBY FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES Roby fine sandy loam, 0 to 2 percent slopes, occasionally flooded	8184A	Roby fine sandy loam, 0 to 2 percent slopes, occasionally flooded
184B 8184B	ROBY FINE SANDY LOAM, 2 TO 4 PERCENT SLOPES Roby fine sandy loam, 2 to 5 percent slopes, occasionally flooded	8184B	Roby fine sandy loam, 2 to 5 percent slopes, occasionally flooded
284A 8284A	TICE SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded	8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded

Soil Correlation of Pulaski County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
288 420 8288A	PETROLIA SILTY CLAY LOAM PIOPOLIS SILTY CLAY LOAM Petrolia silty clay loam, 0 to 2 percent slopes, occasionally flooded	8288A	Petrolia silty clay loam, 0 to 2 percent slopes, occasionally flooded
72 331 8331A	SHARON SILT LOAM HAYMOND SILT LOAM Haymond silt loam, 0 to 3 percent slopes, occasionally flooded	8331A	Haymond silt loam, 0 to 3 percent slopes, occasionally flooded
333 382 8333A	WAKELAND SILT LOAM BELKNAP SILT LOAM Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded	8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded
108 334 8334A	BONNIE SILT LOAM BIRDS SILT LOAM Birds silt loam, 0 to 2 percent slopes, occasionally flooded	8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded
333 382 8382A	WAKELAND SILT LOAM BELKNAP SILT LOAM Belknap silt loam, 0 to 2 percent slopes, occasionally flooded	8382A	Belknap silt loam, 0 to 2 percent slopes, occasionally flooded
288 420 8420A	PETROLIA SILTY CLAY LOAM PIOPOLIS SILTY CLAY LOAM Piopolis silty clay loam, 0 to 3 percent slopes, occasionally flooded	8420A	Piopolis silty clay loam, 0 to 3 percent slopes, occasionally flooded
422 426 8422A	CAPE AND KARNAK SILTY CLAY LOAMS KARNAK SILTY CLAY Cape silty clay loam, 0 to 2 percent slopes, occasionally flooded	8422A	Cape silty clay loam, 0 to 2 percent slopes, occasionally flooded
422+ 8422A+	CAPE AND KARNAK SILT LOAMS, OVERWASH Cape silt loam, overwash, 0 to 2 percent slopes, occasionally flooded	8422A+	Cape silt loam, overwash, 0 to 2 percent slopes, occasionally flooded
401 422 426 8426A	OKAW SILTY CLAY LOAM CAPE AND KARNAK SILTY CLAY LOAMS KARNAK SILTY CLAY Karnak clay, 0 to 2 percent slopes, occasionally flooded	8426A	Karnak clay, 0 to 2 percent slopes, occasionally flooded
84 422+ 8426A+	OKAW SILT LOAM CAPE AND KARNAK SILT LOAMS, OVERWASH Karnak silt loam, overwash, 0 to 2 percent slopes, occasionally flooded	8426A+	Karnak silt loam, overwash, 0 to 2 percent slopes, occasionally flooded
306 8597A	ALLISON SILTY CLAY LOAM Armiesburg silty clay loam, 0 to 2 percent slopes, occasionally flooded	8597A	Armiesburg silty clay loam, 0 to 2 percent slopes, occasionally flooded
MW W	Miscellaneous Water WATER	MW	Miscellaneous Water
B.P. W W	BORROW PITS WATER Water	W	Water

### **Series Established by this Correlation**

None

### **Components Added from Previously Correlated Legend for Illinois Agricultural Experiment Station Report No. 85**

Armiesburg, Baxter, Clarksville, Colp, Hatfield, Menfro, Muren, Orthents (loamy), Orthents (silty), Sarpy, Stookey (reactivated) and Winfield

### **Series or Components Dropped from Previously Correlated Legend for Illinois Agricultural Experiment Station Report No. 85**

Allison, Alluvial land, Alvin-thick A2 Variant (\*), Bloomfield (\*), Bodine (\*), Bowdre (\*), Cairo (\*), Disco (\*), Harvard (\*), Landes, Markland, Millbrook (\*), Newart (inactive) and Weinbach

(\*) – *No acres of Bloomfield, Bodine, Bowdre, Cairo, Disco or Harvard were mapped and correlated in Pulaski County.*

### **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 Pulaski County was completed in 1965 and published by the United States Department of Agriculture, Soil Conservation Service in July 1968. (Also designated as Illinois Agricultural Experiment Station Report No. 85). Reference to the prior soil survey will be included in the literature citation of the manuscript. This update replaces the July 1968 soil survey and provides a digital soil survey with additional data, updated soil interpretations and 1:12,000 scale soil maps on an orthophotographic base.

### **Instructions for Map Compilation, Map Finishing, and Digitizing**

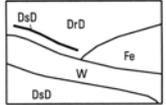
Map compilation is being completed by NRCS field soil scientists and by soil scientists contracted by NRCS. The soil maps will be digitized by the Kansas Digitizing Center.

### **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.

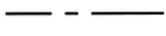
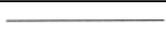
## FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

### SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS	
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### CULTURAL FEATURES (Optional)

#### BOUNDARIES

National, state or providence	
County or parish	
Field sheet matchline and neatline	
Public Land Survey System Section Corner Tics.	

## Soil Mapunit Symbol Conversion Legend of Pulaski County, Illinois

(This legend represents the majority of the standard correlations that took place with this update. With certain polygons, however, correlations were made outside this legend which were based on field investigations, enhanced photo tones, changes in land use, and/or refined soil-landscape relationships.)

Field Symbol	Publication Symbol
70	3070A
70	3070L
70	8070A
71A	3071A
71A	8071A
72	3072A
72	3331A
72	3331L
72	8072A
72	8331A
79B	79B
79C	79C
79C2	79C2
79C3	79C3
79D	79D
79D2	79D2
79D3	79D3
79E	79E
79E2	79E2
79E3	79E3
79F	79F
84	3426A
84	7084A
84	8426A+
85	1845A
85	3071A
85	8085A
108	3108A
108	3334A
108	3334L
108	8108A
108	8334A
108+	3288A
108+	3420A
109	3108A
109	8109A
131A	7131A
131B	7131B
131C	7131B
131C	7131C
131C2	7131B
131C2	7131C2
131D2	7131C2
131D2	7131D2
162A	3162L

Field Symbol	Publication Symbol
162A	8162A
164A	164A
164A	164B
164B	164A
164B	164B
165	165A
165A	165A
175B	175B
178	8178A
180	3180A
180	8180A
184A	8184A
184B	8184B
214B	214B
214C	214B
214C	214C
214C2	214B
214C2	214C2
214C2	214D2
214C3	214B
214C3	214C2
214C3	214C3
214D2	214C2
214D2	214D2
214D3	214C3
214D3	214D3
214E2	214D2
214E3	214D3
214F2	79E2
214F2	79F
214F2	308F
214F3	79E3
214F3	79F
214F3	308F
216D2	216D2
216E	216D2
216E	216E
216E2	216E2
216E3	216E3
216F	216D2
216F	216E
216F	216E2
216F	216F
216F	216G
216F3	216D2

Field Symbol	Publication Symbol
216F3	216E
216F3	216E2
216F3	216E3
216F3	216F
216F3	216G
216G	216D2
216G	216E
216G	216E2
216G	216E3
216G	216F
216G	216G
284A	3284A
284A	3284L
284A	8284A
288	3288A
288	3288L
288	3420A
288	8288A
288	8420A
304A	3456BL
306	3597L
306	8597A
308B	79B
308B	308B
308B	5079B2
308C	79B
308C	79C
308C	79C2
308C	308B
308C	308C
308C	308C2
308C	308C3
308C	453C
308C	453C3
308C	477B
308C	477C
308C	477C2
308C	477C3
308C	5079B2
308C	5079C3
308C2	79B
308C2	79C2
308C2	308B
308C2	308C2
308C2	308C3

Field Symbol	Publication Symbol
308C2	453C3
308C2	477B
308C2	477C2
308C2	477C3
308C2	5079B2
308C2	5079C3
308C3	308C3
308D	79C
308D	79C2
308D	79D
308D	79D2
308D	308C
308D	308C2
308D	308C3
308D	308D
308D	308D2
308D	308D3
308D	453C3
308D	453D2
308D	453D3
308D	477C2
308D	477C3
308D	477D2
308D	5079C3
308D	5079D3
308D2	79C2
308D2	79C3
308D2	79D2
308D2	79D3
308D2	308C2
308D2	308C3
308D2	308D2
308D2	308D3
308D2	453C3
308D2	453D2
308D2	453D3
308D2	477C2
308D2	477C3
308D2	477D2
308D2	477D3
308D2	5079C3
308D2	5079D3
308D3	79C2
308D3	79C3
308D3	79D2

## Soil Mapunit Symbol Conversion Legend of Pulaski County, Illinois - continued

Field Symbol	Publication Symbol
308D3	79D3
308D3	308C2
308D3	308C3
308D3	308D2
308D3	308D3
308D3	453C3
308D3	453D2
308D3	453D3
308D3	477C2
308D3	477C3
308D3	477D2
308D3	477D3
308D3	5079C3
308D3	5079D3
308E	308E
308E2	79D2
308E2	79D3
308E2	308D2
308E2	308D3
308E2	308E2
308E2	453D2
308E2	453D3
308E2	477D2
308E2	477D3
308E2	5079D3
308E3	79D2
308E3	79D3
308E3	308D2
308E3	308D3
308E3	308E3
308E3	453D2
308E3	453D3
308E3	477D2
308E3	477D3
308E3	5079D3
308F	79E
308F	79E2
308F	79F
308F	308E
308F	308E2
308F	308E3
308F	308F
308F2	79E2
308F2	79F
308F2	308E2
308F2	308E3
308F2	308F

Field Symbol	Publication Symbol
308F3	79E2
308F3	79E3
308F3	79F
308F3	308E2
308F3	308E3
308F3	308F
331	3072A
331	3331A
331	3331L
331	8072A
331	8331A
333	3333A
333	3333L
333	3382A
333	8333A
333	8382A
334	3108A
334	3334A
334	3334L
334	8108A
334	8334A
338A	7338A
338B	7338B
382	3333A
382	3382A
382	8333A
382	8382A
401	3426A
401	7401A
401	8426A
420	3288A
420	3420A
420	8288A
420	8420A
422	3422A
422	3426A
422	8422A
422	8426A
422+	3422A+
422+	3426A+
422+	8422A+
422+	8426A+
426	3422A
426	3426A
426	3426L
426	8422A
426	8426A

Field Symbol	Publication Symbol
453C	453C
453C3	453C3
453D2	453D2
453D3	453D3
455	3449L
460	7460A
461A	7711A
461B	7711B
462A	7462A
462B	7462B
462C2	7462B
462C2	7462C2
462C3	7462B
462C3	7462C3
462D2	7462C2
462D2	7462D2
462D3	7462C3
462D3	7462D3
463A	7463A
463B	7463B
463C2	7463B
463C2	7463C2
463E3	7463D3
467C3	7122B
467C3	7122C2
467C3	7122D2
477B	477B
477C2	477C2
477C3	477C3
477D2	477D2
477D3	477D3
525	3071A
525	8071A
694D2	694D2
694F	694F
717F	717F
717G	717G
801B	801B
802D	802D
864	864
865	865
990F	79B
990F	79C
990F	79C2
990F	79C3
990F	79D
990F	79D2

Field Symbol	Publication Symbol
990F	79D3
990F	79E
990F	79E2
990F	79E3
990F	79F
990F	694D2
990F	694F
990F	717F
990F	717G
990G	79B
990G	79C
990G	79C2
990G	79C3
990G	79D
990G	79D2
990G	79D3
990G	79E
990G	79E2
990G	79E3
990G	79F
990G	694D2
990G	694F
990G	717F
990G	717G
1843A	1843A
1845A	1845A
1846A	1846A
3070A	3070A
3070L	3070L
3071A	3071A
3072A	3072A
3108A	3108A
3162L	3162L
3180A	3180A
3284A	3284A
3284L	3284L
3288A	3288A
3288L	3288L
3331A	3331A
3331L	3331L
3333A	3333A
3333L	3333L
3334A	3334A
3334L	3334L
3382A	3382A
3420A	3420A
3422A	3422A

## Soil Mapunit Symbol Conversion Legend of Pulaski County, Illinois - continued

Field Symbol	Publication Symbol
3422A+	3422A+
3426A	3426A
3426A+	3426A+
3426L	3426L
3449L	3449L
3456BL	3456BL
3597L	3597L
5079B2	5079B2
5079C3	5079C3
5079D3	5079D3
7084A	7084A
7122B	7122B
7122C2	7122C2
7122D2	7122D2
7131A	7131A
7131B	7131B
7131C	7131C
7131C2	7131C2
7131D2	7131D2
7338A	7338A

Field Symbol	Publication Symbol
7338B	7338B
7401A	7401A
7460A	7460A
7462A	7462A
7462B	7462B
7462C2	7462C2
7462C3	7462C3
7462D2	7462D2
7462D3	7462D3
7463A	7463A
7463B	7463B
7463C2	7463C2
7463D3	7463D3
7711A	7711A
7711B	7711B
8070A	8070A
8071A	8071A
8072A	8072A
8085A	8085A
8108A	8108A

Field Symbol	Publication Symbol
8109A	8109A
8162A	8162A
8178A	8178A
8180A	8180A
8184A	8184A
8184B	8184B
8284A	8284A
8288A	8288A
8331A	8331A
8333A	8333A
8334A	8334A
8382A	8382A
8420A	8420A
8422A	8422A
8422A+	8422A+
8426A	8426A
8426A+	8426A+
8597A	8597A
B.P.	801B
B.P.	802D

Field Symbol	Publication Symbol
B.P.	W
LEVEE	802D
M.L.	801B
M.L.	802D
MW	MW
QUARRY	864
QUARRY	865
W	MW
W	W
W71	1845A
W108	1843A
W288	1843A
W420	1843A
W422	1846A
W426	1846A

Some field symbols are correlated to more than one publication symbol. Field checks, geology and slope maps were used to make these correlation decisions. See "Notes to Accompany" for description of these separations.

## ALPHABETIC SOIL MAP LEGEND of Pulaski County, Illinois

Map Symbol	Soil Name
308B	Alford silt loam, 2 to 5 percent slopes
308C	Alford silt loam, 5 to 10 percent slopes
308C2	Alford silt loam, 5 to 10 percent slopes, eroded
308C3	Alford silt loam, 5 to 10 percent slopes, severely eroded
308D	Alford silt loam, 10 to 18 percent slopes
308D2	Alford silt loam, 10 to 18 percent slopes, eroded
308D3	Alford silt loam, 10 to 18 percent slopes, severely eroded
308E	Alford silt loam, 18 to 25 percent slopes
308E2	Alford silt loam, 18 to 25 percent slopes, eroded
308E3	Alford silt loam, 18 to 25 percent slopes, severely eroded
308F	Alford silt loam, 25 to 35 percent slopes
7131A	Alvin fine sandy loam, 0 to 2 percent slopes, rarely flooded
7131B	Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded
7131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded
7131C	Alvin fine sandy loam, 5 to 10 percent slopes, rarely flooded
7131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded, rarely flooded
3449L	Armiesburg-Sarpy complex, 0 to 2 percent slopes, frequently flooded, long duration
3597L	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
8597A	Armiesburg silty clay loam, 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
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
8382A	Belknap silt loam, 0 to 2 percent slopes, occasionally flooded
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
3334L	Birds silt loam, 0 to 2 percent slopes, frequently flooded, long duration
8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded
1843A	Bonnie and Petrolia soils, undrained, 0 to 2 percent slopes, frequently flooded
3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded
8108A	Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded
3422A+	Cape silt loam, overwash, 0 to 2 percent slopes, frequently flooded
8422A+	Cape silt loam, overwash, 0 to 2 percent slopes, occasionally flooded
3422A	Cape silty clay loam, 0 to 2 percent slopes, frequently flooded
8422A	Cape silty clay loam, 0 to 2 percent slopes, occasionally flooded
717G	Clarksville-Stookey complex, 35 to 70 percent slopes
7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded
7122C2	Colp silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7122D2	Colp silt loam, 10 to 18 percent slopes, eroded, rarely flooded
1845A	Darwin and Jacob silty clays, undrained, 0 to 2 percent slopes, frequently flooded
3071A	Darwin silty clay, 0 to 2 percent slopes, frequently flooded
8071A	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
7460A	Ginat silt loam, 0 to 2 percent slopes, rarely flooded
8162A	Gorham silty clay loam, 0 to 2 percent slopes, occasionally flooded
3162A	Gorham silty clay loam, 0 to 3 percent slopes, frequently flooded
3162L	Gorham silty clay loam, 0 to 3 percent slopes, frequently flooded, long duration
7711A	Hatfield silt loam, 0 to 2 percent slopes, rarely flooded
7711B	Hatfield silt loam, 2 to 5 percent slopes, rarely flooded

**ALPHABETIC SOIL MAP LEGEND of Pulaski County, Illinois - continued**

<b>Map Symbol</b>	<b>Soil Name</b>
3331A	Haymond silt loam, 0 to 3 percent slopes, frequently flooded
3331L	Haymond silt loam, 0 to 3 percent slopes, frequently flooded, long duration
8331A	Haymond silt loam, 0 to 3 percent slopes, occasionally flooded
214B	Hosmer silt loam, 2 to 5 percent slopes
214C	Hosmer silt loam, 5 to 10 percent slopes
214C2	Hosmer silt loam, 5 to 10 percent slopes, eroded
214C3	Hosmer silt loam, 5 to 10 percent slopes, severely eroded
214D2	Hosmer silt loam, 10 to 18 percent slopes, eroded
214D3	Hosmer silt loam, 10 to 18 percent slopes, severely eroded
7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded
7338B	Hurst silt loam, 2 to 5 percent slopes, rarely flooded
8085A	Jacob silty clay, 0 to 2 percent slopes, occasionally flooded
1846A	Karnak and Cape silty clays, undrained, 0 to 2 percent slopes, frequently flooded
8426A	Karnak clay, 0 to 2 percent slopes, occasionally flooded
3426A+	Karnak silt loam, overwash, 0 to 2 percent slopes, frequently flooded
8426A+	Karnak silt loam, overwash, 0 to 2 percent slopes, occasionally flooded
3426A	Karnak silty clay, 0 to 2 percent slopes, frequently flooded
3426L	Karnak silty clay, 0 to 2 percent slopes, frequently flooded, long duration
175B	Lamont fine sandy loam, 2 to 5 percent slopes
694D2	Menfro-Baxter complex, 10 to 18 percent slopes, eroded
694F	Menfro-Baxter complex, 18 to 35 percent slopes
79B	Menfro silt loam, 2 to 5 percent slopes
79C	Menfro silt loam, 5 to 10 percent slopes
79C2	Menfro silt loam, 5 to 10 percent slopes, eroded
79C3	Menfro silt loam, 5 to 10 percent slopes, severely eroded
79D	Menfro silt loam, 10 to 18 percent slopes
79D2	Menfro silt loam, 10 to 18 percent slopes, eroded
79D3	Menfro silt loam, 10 to 18 percent slopes, severely eroded
79E	Menfro silt loam, 18 to 25 percent slopes
79E2	Menfro silt loam, 18 to 25 percent slopes, eroded
79E3	Menfro silt loam, 18 to 25 percent slopes, severely eroded
79F	Menfro silt loam, 25 to 35 percent slopes
5079B2	Menfro silt loam, karst, 2 to 5 percent slopes, eroded
5079C3	Menfro silt loam, karst, 5 to 10 percent slopes, severely eroded
5079D3	Menfro silt loam, karst, 10 to 18 percent slopes, severely eroded
MW	Miscellaneous Water
453C	Muren silt loam, 5 to 10 percent slopes
453C3	Muren silt loam, 5 to 10 percent slopes, severely eroded
453D2	Muren silt loam, 10 to 18 percent slopes, eroded
453D3	Muren silt loam, 10 to 18 percent slopes, severely eroded
7084A	Okaw silt loam, 0 to 2 percent slopes, rarely flooded
7401A	Okaw silty clay loam, 0 to 2 percent slopes, rarely flooded
802D	Orthents, loamy, hilly
801B	Orthents, silty, undulating
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded
3288L	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
8288A	Petrolia silty clay loam, 0 to 2 percent slopes, occasionally flooded
3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded
8420A	Piopolis silty clay loam, 0 to 3 percent slopes, occasionally flooded

**ALPHABETIC SOIL MAP LEGEND of Pulaski County, Illinois - continued**

<b>Map Symbol</b>	<b>Soil Name</b>
865	Pits, gravel
864	Pits, quarries
8109A	Racoon silt loam, 0 to 2 percent slopes, occasionally flooded
8184A	Roby fine sandy loam, 0 to 2 percent slopes, occasionally flooded
8184B	Roby fine sandy loam, 2 to 5 percent slopes, occasionally flooded
8178A	Ruark fine sandy loam, 0 to 2 percent slopes, occasionally flooded
7462A	Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded
7462B	Sciotoville silt loam, 2 to 5 percent slopes, rarely flooded
7462C2	Sciotoville silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7462C3	Sciotoville silt loam, 5 to 10 percent slopes, severely eroded, rarely flooded
7462D2	Sciotoville silt loam, 10 to 18 percent slopes, eroded, rarely flooded
7462D3	Sciotoville silt loam, 10 to 18 percent slopes, severely eroded, rarely flooded
3072A	Sharon silt loam, 0 to 3 percent slopes, frequently flooded
8072A	Sharon silt loam, 0 to 3 percent slopes, occasionally flooded
717F	Stookey-Clarksville complex, 18 to 35 percent slopes
216D2	Stookey silt loam, 10 to 18 percent slopes, eroded
216E	Stookey silt loam, 18 to 25 percent slopes
216E2	Stookey silt loam, 18 to 25 percent slopes, eroded
216E3	Stookey silt loam, 18 to 25 percent slopes, severely eroded
216F	Stookey silt loam, 25 to 35 percent slopes
216G	Stookey silt loam, 35 to 70 percent slopes
164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 5 percent slopes
3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded
3284L	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
3333L	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, long duration
8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded
3456BL	Ware loam, 1 to 6 percent slopes, frequently flooded, long duration
W	Water
165A	Weir silt loam, 0 to 2 percent slopes
7463A	Wheeling silt loam, 0 to 2 percent slopes, rarely flooded
7463B	Wheeling silt loam, 2 to 5 percent slopes, rarely flooded
7463C2	Wheeling silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7463D3	Wheeling silt loam, 10 to 18 percent slopes, severely eroded, rarely flooded
477B	Winfield silt loam, 2 to 5 percent slopes
477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
477C3	Winfield silt loam, 5 to 10 percent slopes, severely eroded
477D2	Winfield silt loam, 10 to 18 percent slopes, eroded
477D3	Winfield silt loam, 10 to 18 percent slopes, severely eroded

## NUMERICAL SOIL MAP LEGEND of Pulaski County, Illinois

Map Symbol	Soil Name
79B	Menfro silt loam, 2 to 5 percent slopes
79C	Menfro silt loam, 5 to 10 percent slopes
79C2	Menfro silt loam, 5 to 10 percent slopes, eroded
79C3	Menfro silt loam, 5 to 10 percent slopes, severely eroded
79D	Menfro silt loam, 10 to 18 percent slopes
79D2	Menfro silt loam, 10 to 18 percent slopes, eroded
79D3	Menfro silt loam, 10 to 18 percent slopes, severely eroded
79E	Menfro silt loam, 18 to 25 percent slopes
79E2	Menfro silt loam, 18 to 25 percent slopes, eroded
79E3	Menfro silt loam, 18 to 25 percent slopes, severely eroded
79F	Menfro silt loam, 25 to 35 percent slopes
164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 5 percent slopes
165A	Weir silt loam, 0 to 2 percent slopes
175B	Lamont fine sandy loam, 2 to 5 percent slopes
214B	Hosmer silt loam, 2 to 5 percent slopes
214C	Hosmer silt loam, 5 to 10 percent slopes
214C2	Hosmer silt loam, 5 to 10 percent slopes, eroded
214C3	Hosmer silt loam, 5 to 10 percent slopes, severely eroded
214D2	Hosmer silt loam, 10 to 18 percent slopes, eroded
214D3	Hosmer silt loam, 10 to 18 percent slopes, severely eroded
216D2	Stookey silt loam, 10 to 18 percent slopes, eroded
216E	Stookey silt loam, 18 to 25 percent slopes
216E2	Stookey silt loam, 18 to 25 percent slopes, eroded
216E3	Stookey silt loam, 18 to 25 percent slopes, severely eroded
216F	Stookey silt loam, 25 to 35 percent slopes
216G	Stookey silt loam, 35 to 70 percent slopes
308B	Alford silt loam, 2 to 5 percent slopes
308C	Alford silt loam, 5 to 10 percent slopes
308C2	Alford silt loam, 5 to 10 percent slopes, eroded
308C3	Alford silt loam, 5 to 10 percent slopes, severely eroded
308D	Alford silt loam, 10 to 18 percent slopes
308D2	Alford silt loam, 10 to 18 percent slopes, eroded
308D3	Alford silt loam, 10 to 18 percent slopes, severely eroded
308E	Alford silt loam, 18 to 25 percent slopes
308E2	Alford silt loam, 18 to 25 percent slopes, eroded
308E3	Alford silt loam, 18 to 25 percent slopes, severely eroded
308F	Alford silt loam, 25 to 35 percent slopes
453C	Muren silt loam, 5 to 10 percent slopes
453C3	Muren silt loam, 5 to 10 percent slopes, severely eroded
453D2	Muren silt loam, 10 to 18 percent slopes, eroded
453D3	Muren silt loam, 10 to 18 percent slopes, severely eroded
477B	Winfield silt loam, 2 to 5 percent slopes
477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
477C3	Winfield silt loam, 5 to 10 percent slopes, severely eroded
477D2	Winfield silt loam, 10 to 18 percent slopes, eroded
477D3	Winfield silt loam, 10 to 18 percent slopes, severely eroded
694D2	Menfro-Baxter complex, 10 to 18 percent slopes, eroded
694F	Menfro-Baxter complex, 18 to 35 percent slopes

**NUMERICAL SOIL MAP LEGEND of Pulaski County, Illinois – continued**

<b>Map Symbol</b>	<b>Soil Name</b>
717F	Stookey-Clarksville complex, 18 to 35 percent slopes
717G	Clarksville-Stookey complex, 35 to 70 percent slopes
801B	Orthents, silty, undulating
802D	Orthents, loamy, hilly
864	Pits, quarries
865	Pits, gravel
1843A	Bonnie and Petrolia soils, undrained, 0 to 2 percent slopes, frequently flooded
1845A	Darwin and Jacob silty clays, undrained, 0 to 2 percent slopes, frequently flooded
1846A	Karnak and Cape silty clays, undrained, 0 to 2 percent slopes, frequently 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
3071A	Darwin silty clay, 0 to 2 percent slopes, frequently flooded
3072A	Sharon silt loam, 0 to 3 percent slopes, frequently flooded
3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded
3162L	Gorham silty clay loam, 0 to 3 percent slopes, frequently flooded, long duration
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded
3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded
3284L	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded
3288L	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
3331A	Haymond silt loam, 0 to 3 percent slopes, frequently flooded
3331L	Haymond silt loam, 0 to 3 percent slopes, frequently flooded, long duration
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
3333L	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, long duration
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
3334L	Birds silt loam, 0 to 2 percent slopes, frequently flooded, long duration
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded
3422A	Cape silty clay loam, 0 to 2 percent slopes, frequently flooded
3422A+	Cape silt loam, overwash, 0 to 2 percent slopes, frequently flooded
3426A	Karnak silty clay, 0 to 2 percent slopes, frequently flooded
3426A+	Karnak silt loam, overwash, 0 to 2 percent slopes, frequently flooded
3426L	Karnak silty clay, 0 to 2 percent slopes, frequently flooded, long duration
3449L	Armiesburg-Sarpy complex, 0 to 2 percent slopes, frequently flooded, long duration
3456BL	Ware loam, 1 to 6 percent slopes, frequently flooded, long duration
3597L	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
5079B2	Menfro silt loam, karst, 2 to 5 percent slopes, eroded
5079C3	Menfro silt loam, karst, 5 to 10 percent slopes, severely eroded
5079D3	Menfro silt loam, karst, 10 to 18 percent slopes, severely eroded
7084A	Okaw silt loam, 0 to 2 percent slopes, rarely flooded
7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded
7122C2	Colp silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7122D2	Colp silt loam, 10 to 18 percent slopes, eroded, rarely flooded
7131A	Alvin fine sandy loam, 0 to 2 percent slopes, rarely flooded
7131B	Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded
7131C	Alvin fine sandy loam, 5 to 10 percent slopes, rarely flooded
7131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded
7131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded, rarely flooded
7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded

**NUMERICAL SOIL MAP LEGEND of Pulaski County, Illinois – continued**

<b>Map Symbol</b>	<b>Soil Name</b>
7338B	Hurst silt loam, 2 to 5 percent slopes, rarely flooded
7401A	Okaw silty clay loam, 0 to 2 percent slopes, rarely flooded
7460A	Ginat silt loam, 0 to 2 percent slopes, rarely flooded
7462A	Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded
7462B	Sciotoville silt loam, 2 to 5 percent slopes, rarely flooded
7462C2	Sciotoville silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7462C3	Sciotoville silt loam, 5 to 10 percent slopes, severely eroded, rarely flooded
7462D2	Sciotoville silt loam, 10 to 18 percent slopes, eroded, rarely flooded
7462D3	Sciotoville silt loam, 10 to 18 percent slopes, severely eroded, rarely flooded
7463A	Wheeling silt loam, 0 to 2 percent slopes, rarely flooded
7463B	Wheeling silt loam, 2 to 5 percent slopes, rarely flooded
7463C2	Wheeling silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7463D3	Wheeling silt loam, 10 to 18 percent slopes, severely eroded, rarely flooded
7711A	Hatfield silt loam, 0 to 2 percent slopes, rarely flooded
7711B	Hatfield silt loam, 2 to 5 percent slopes, rarely flooded
8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded
8071A	Darwin silty clay, 0 to 2 percent slopes, occasionally flooded
8072A	Sharon silt loam, 0 to 3 percent slopes, occasionally flooded
8085A	Jacob silty clay, 0 to 2 percent slopes, occasionally flooded
8108A	Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded
8109A	Racoon silt loam, 0 to 2 percent slopes, occasionally flooded
8162A	Gorham silty clay loam, 0 to 2 percent slopes, occasionally flooded
8178A	Ruark fine sandy loam, 0 to 2 percent slopes, occasionally flooded
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
8184A	Roby fine sandy loam, 0 to 2 percent slopes, occasionally flooded
8184B	Roby fine sandy loam, 2 to 5 percent slopes, occasionally flooded
8284A	Tice silty clay loam, 0 to 2 percent slopes, occasionally flooded
8288A	Petrolia silty clay loam, 0 to 2 percent slopes, occasionally flooded
8331A	Haymond silt loam, 0 to 3 percent slopes, occasionally flooded
8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded
8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded
8382A	Belknap silt loam, 0 to 2 percent slopes, occasionally flooded
8420A	Piopolis silty clay loam, 0 to 3 percent slopes, occasionally flooded
8422A	Cape silty clay loam, 0 to 2 percent slopes, occasionally flooded
8422A+	Cape silt loam, overwash, 0 to 2 percent slopes, occasionally flooded
8426A	Karnak clay, 0 to 2 percent slopes, occasionally flooded
8426A+	Karnak silt loam, overwash, 0 to 2 percent slopes, occasionally flooded
8597A	Armiesburg silty clay loam, 0 to 2 percent slopes, occasionally flooded
MW	Miscellaneous Water
W	Water

**Notes To Accompany The Classification And Correlation Of  
Pulaski County, Illinois**

This legend is a copy and subset of the published legend of Alexander and Pulaski Counties. The units with 0 acres in the 1968 publication are deleted from this legend. Mapping units for quarries and gravel pits, mine dumps, borrow pits and made land are added for correlation purposes.

1. Temperature studies indicate, in general, the soils on the uplands are mesic and the soils on the Mississippi River bottomlands are thermic; thus both regimes were used in the survey area. (Union County Correlation - August 1977.) Two follow-up soil temperature studies (1997-2001) have been conducted during this update.
2. Slopes were adjusted to fit the Southern 7 Legend. Slope classes of mapunits on the published legend differ from slope classes in this legend in the following ways:

PUBLISHED		UPDATE	
SLOPE	PERCENT	SLOPE	PERCENT
A	0-2	A	0-2
B	2-4	B	2-5
C	4-7	C	5-10
D	7-12	D	10-18
E	12-18	E	18-25
F	18-30	F	25-35
G	30-60	F	18-35
		G	35-70

3. When delineations on the published maps conform to the old standard slope ranges, conversions generally are as follows:

MAJOR	MINOR
A goes to A	
B goes to B	
C goes to C	C to B
D goes to C	D to D
E goes to D	
F goes to E	
F goes to F	
G goes to G	G to F

4. Where published and update slope classes overlap, slope maps and field investigations have been used to determine line placement and mapunit slope designation.
5. Multiple correlations exist because of slope adjustment, better slope definition, slope overlap of adjacent mapping units and because we are using a larger map scale.
6. Published map units on slopes of 0 to 2 percent did not have a slope letter in the map symbol and the slope range was not in the mapunit name. Also, alluvial soils did not have flooding frequency or duration in the mapunit name.

**Notes To Accompany The Classification And Correlation Of  
Pulaski County, Illinois - continued**

7. With this update, all mapunits, except miscellaneous units, have a slope letter in the mapunit symbol and the slope range stated in the mapunit name. In addition, alluvial soils have flooding frequency stated in the mapunit name and the flooding prefix is part of the mapunit symbol. Brief duration is assumed. If duration is other than brief, it is added as part of the mapunit name and a letter is added as a suffix to the mapunit symbol.

<b>Prefix</b>	<b>Description</b>	<b>Suffix</b>	<b>Description</b>
1	undrained, frequently flooded	L	Long duration
3	Frequently flooded	+	overwash phase
5	karst		
7	Rarely flooded		
8	Occasionally flooded		

8. The published soil survey recognized both acid and non-acid alluvial soils. In some areas where field studies and soil data are available acid to non-acid and non-acid to acid correlations were made. This resulted in multiple acid/non-acid correlations of some of the alluvial soils.
9. The published soil survey recognized fragipan soils on slopes greater than 18 percent. A correlation decision was made based on field studies and soil laboratory data to correlate fragipan soils on slopes steeper than 18 percent to soils without fragipans. This often resulted in multiple correlations based on landform and soil type.
10. The published soil survey did not correlate karst soils. This update correlates karst mapping units on landforms where karst exist.
11. Crop yields for component and data mapunit were populated as instructed by using Illinois Circular 1156 "Soil Productivity in Illinois". Yield adjustments were made for slope, erosion and flooding frequency. If yield information was not available in this circular, then Illinois Bulletin 810 "Average Crop, Pasture, and Forestry Productivity Ratings for Illinois Soils" was used.
12. Site indexes were populated using data supplied by Bryan Fitch, Soil Scientist, USFS. Site indexes were populated for components using Illinois Bulletin 810 "Average Crop, Pasture, and Forestry Productivity Ratings for Illinois Soils". Yield adjustments were made for slope phase and erosion class.

## Mapunit History Notes For Pulaski County, Illinois

Map Symbol	Map Unit Name	Mapunit History Notes
79B	Menfro silt loam, 2 to 5 percent slopes	Some areas of soils that were previously mapped as Alford (308) in the published soil survey are correlated to Menfro (079).
477B	Winfield silt loam, 2 to 5 percent slopes	Winfield soils were correlated from soils previously mapped as Alford and Muren in the published soil surveys. Winfield soils occur on lower positions of backslopes and footslopes of simple and complex slopes where the slope becomes concave.
717F	Stookey-Clarksville complex, 18 to 35 percent slopes	Stookey soils were correlated to Alford in Pulaski County when the Stookey series was inactivated. The Stookey series was reactivated in 1998. With this update Alford soils in this mapunit are correlated back to Stookey.  Bodine soils are thermic. Bodine soils were correlated to Clarksville, its mesic counterpart.
3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Beaucoup (70) in the published soil survey. Some of the soils in this update are correlated to Beaucoup 3070A. They occur near some of the rivers and in seep areas on the protected side of the levee.
3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Beaucoup (70) in the published soil survey. Some of the soils in this update are correlated to Beaucoup 3070L. These soils are found on the unprotected side of the levee.
3071A	Darwin silty clay, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Darwin (525) and Darwin (071) in the published soil survey. This update correlates the Darwin (525) and some of the Darwin soils found in seep areas on the protected side of the levee to Darwin 3070A.
3072A	Sharon silt loam, 0 to 3 percent slopes, frequently flooded	Soils were originally mapped as Sharon (072) in the published soil survey. This update correlates some of the Sharon soils found along rivers and tributaries to 3072A.
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Dupo (180) in the published soil survey. This update correlates some of these soils to Dupo 3180A.
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Petrolia (288) in the published soil survey. This update correlates Petrolia soils found in seep areas on the protected side of the levee to Petrolia 3288A.
3288L	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Petrolia (288) in the published soil survey. This update correlates some of the Petrolia soils mapped on the unprotected side of the levee to Petrolia 3288L.
3331A	Haymond silt loam, 0 to 3 percent slopes, frequently flooded	Soils were originally mapped as Haymond (331) in the published soil survey. This update correlates some of the Haymond soils found along rivers and tributaries to Haymond 3331A.
3331L	Haymond silt loam, 0 to 3 percent slopes, frequently flooded, long duration	Soils were originally mapped as Haymond (331) in the published soil survey. This update correlates some of the Haymond soils found along rivers and tributaries to Haymond 3331L.

## Mapunit History Notes for Pulaski County - continued

Map Symbol	Map Unit Name	Mapunit History Notes
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Wakeland (333) in the published soil survey. This update correlates Wakeland soils found in seep areas on the protected side of the levee to Wakeland 3333A.
3333L	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Wakeland (333) in the published soil survey. This update correlates some of the Wakeland soils mapped on the unprotected side of the levee to Wakeland 3333L.
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Birds (334) in the published soil survey. This update correlates Birds soils found in seep areas on the protected side of the levee to Birds 3334A.
3334L	Birds silt loam, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Birds (334) in the published soil survey. This update correlates some of the Birds soils mapped on the unprotected side of the levee to Birds 3334L.
3426A	Karnak silty clay, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Karnak (426) in the published soil survey. Some of the soils in this update are correlated to Karnak, 3426A. They occur near some of the rivers and in seep areas on the protected side of the levee.
3426L	Karnak silty clay, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Karnak (426) in the published soil survey. Some of the soils in this update are correlated to Karnak, 3426L. These soils are found on the unprotected side of the levee.
3449L	Armiesburg-Sarpy complex, 0 to 2 percent slopes, frequently flooded, long duration	The Armiesburg-Sarpy complex (3449L) was created to correlate soils mapped as Alluvial land (mu 455) in the published soil surveys.
3597L	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Armiesburg (597) in the published soil survey. This update correlates some of the Armiesburg soils found along rivers and tributaries to Armiesburg 3597A.

## Pulaski County Correlation Notes by Soil Series

SERIES NAME	SERIES NOTES
Alford	The typical pedon is from Hardin County, Illinois.
Alvin	The typical pedon is from Massac County, Illinois.
Armiesburg	The typical pedon is from Massac County, Illinois. The typical pedon is described with low chroma clay films in the solum. The depth to the base of the cambic horizon is more than 60 inches. Armiesburg soils need to be field checked in the future to determine if these properties are typical for the Southern 7 counties.
Baxter	The typical pedon is from Union County, Illinois.
Beaucoup	The typical pedon is from Monroe County, Illinois.
Belknap	The typical pedon is from Massac County, Illinois.
Birds	The typical pedon is from Madison County, Illinois. These areas were correlated in the 1978 published soil survey report of Union County. University of Illinois Department of Transportation Engineering Test data from sample 75IL091-3-1 correlated pedon sampled as Birds.
Bonnie	The typical pedon is from Alexander County, Illinois.
Cape	The typical pedon is from Saline County, Illinois (OSD type location).
Clarksville	The typical pedon is from Hardin County, Illinois.
Colp	The typical pedon is OSD from Monroe County, Illinois (OSD type location).
Darwin	The typical pedon is from Madison County, Illinois.
Dupo	The typical pedon is from Randolph County, Illinois (OSD type location).
Ginat	The typical pedon is from Pope County, Illinois. Limited field investigations are available on these soils for this update. The OSD for Ginat has been reclassified from fine-silty, mixed, mesic Typic Fragiaqualfs to fine-silty, mixed, active, mesic Typic Endoaqualfs. The pedons described and observed in this update indicate that fragic properties exist in many pedons. These soils should be evaluated in the future to determine if fragic properties predominate.
Gorham	The typical pedon is from Jackson County, Illinois (OSD type location). These areas were correlated in the 1978 published soil survey report of Union County. SCS analyzed at the University of Illinois Soils Lab data from sample S73IL-91-40 (1-8) and S74IL-91-56 (1-12); University of Illinois Department of Transportation Engineering Test data from sample 75IL091-9-(1-3). All were sampled and correlated as Gorham.
Hatfield	Weinbach correlated to Hatfield. The typical pedon is the former Weinbach site in Massac County. The pedon described is less than 60 inches to the base of the argillic horizon and the depth to the base of soil development is less than 80 inches. The C1 horizon in the description may actually be a BC or Bt horizon. A field investigation is needed in the future to resolve this.

## Pulaski County Correlation Notes by Soil Series - continued

SERIES NAME	SERIES NOTES
Haymond	The typical pedon is from Union County, Illinois. These areas were correlated in the 1978 published soil survey report of Union County. University of Illinois Department of Transportation Engineering Test data from sample 75IL091-4-1 sampled and correlated as Haymond.
Hosmer	The typical pedon is from Union County, Illinois. These areas were correlated in the 1978 published soil survey report of Union County. Soil Survey Investigation Unit, Lincoln, NE samples S73IL-91-35(73LI020-22), S73IL-91-36(73LI023-25) were sampled and correlated as Hosmer Sample. S73IL-91-37(73LI026-28) was sampled as Muren and correlated as Hosmer. University of Illinois Department of Transportation Engineering Test data from sample 75IL091-5-(1-2) sampled and correlated as Hosmer.
Hurst	The typical pedon is from Williamson County, Illinois.
Jacob	The typical pedon is from Jackson County, Illinois (OSD type location). SERIES ESTABLISHED: Jackson County, Illinois, 1929. These areas were correlated in the 1978 published soil survey report of Union County. SCS analyzed at the University of Illinois Soils Lab data from sample S72IL-9(1-7) sampled as Unnamed and correlated as Jacob. University of Illinois Department of Transportation Engineering Test data from sample 75IL091-1-1 sampled and correlated as Jacob.
Karnak	The typical pedon is from Massac County, Illinois (OSD type location).
Lamont	The typical pedon is from Massac County, Illinois. The pedon described has a solum that is thinner than allowed for the Lamont Series and has no lamella. Field investigations will be needed in the future to determine if these differences are typical.
Menfro	The typical pedon is from St. Clair County, Illinois. SERIES ESTABLISHED: Illinois, (III-2 Edwardsville project), 1939. These areas were correlated as Alford in the 1968 published soil survey report of Pulaski & Alexander Counties.
Muren	The typical pedon is from White County, Illinois. Some of the Alford soils were correlated to Muren. Muren soils occur on nearly level to strongly sloping ridgetops and side slopes on loess hills. On complex slopes Muren soils occur on the upper footslopes and lower portions on the backslopes.
Okaw	The typical pedon is from Jackson County, Illinois.
Petrolia	The typical pedon is from Clinton County, Illinois.
Piopolis	The typical pedon is from Hamilton County, Illinois (OSD type location).
Racoon	The typical pedon is from Saline County, Illinois (OSD type location).
Roby	The typical pedon is from Alexander County, Illinois.
Ruark	The typical pedon is from Alexander County, Illinois (OSD type location).
Sarpy	The typical pedon is from Monroe County, Illinois.

**Pulaski County Correlation Notes by Soil Series - continued**

SERIES NAME	SERIES NOTES
Sciotoville	The typical pedon is from Massac County, Illinois. The Sciotoville soils are taxadjuncts to the series. They have a fragic horizon, not a well developed fragipan like the established series. They classify as Fine-silty, mixed, active, mesic Fragiaquic Hapludalfs.
Sharon	The typical pedon is from Williamson County, Illinois (OSD type location).
Stookey	The Stookey series was inactivated in 1975. It was reactivated in 1998. Series established: Alexander County, Illinois, 1931. The typical pedon for Stookey was relocated to a more central location in Monroe County (OSD type location).
Stoy	The typical pedon is from Gallatin County, Illinois (OSD type location). Stoy soils have fragic properties.
Tice	The typical pedon is from Monroe County, Illinois. University of Illinois Department of Transportation Engineering Test data from sample 75IL09110-(1-2) were sampled and correlated as Tice.
Wakeland	The typical pedon is from Madison County, Illinois.
Ware	The typical pedon is from Jackson County, Illinois (OSD type location). WARE SERIES ESTABLISHED: Alexander County, Illinois, 1967. SCS analyzed at the University of Illinois Soils Lab data from sample 74IL-91-54 (1-11) sampled as and correlated as Ware. University of Illinois Department of Transportation Engineering Test data from sample 75IL091-7-(1-3) sampled and correlated as Ware.
Weir	The typical pedon is from Massac County, Illinois.
Wheeling	The typical pedon is from Massac County, Illinois.
Winfield	The typical pedon of Winfield is from St. Clair County, Illinois. Alford soils previously mapped as 308, are correlated to Winfield mu 477. They occur on the upper footslopes and lower portions on the backslopes of complex slopes.

## Classification of the Soils of Pulaski County, Illinois

(An asterisk in the first column indicates 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
Alford-----	Fine-silty, mixed, superactive, mesic Ultic Hapludalfs
Alvin-----	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Armiesburg-----	Fine-silty, mixed, superactive, mesic Fluventic Hapludolls
Baxter-----	Fine, mixed, semiactive, mesic Typic Paleudalfs
Beaucoup-----	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
Belknap-----	Coarse-silty, mixed, active, acid, mesic Fluvaquentic Endoaquepts
Birds-----	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Bonnie-----	Fine-silty, mixed, active, acid, mesic Typic Fluvaquents
Cape-----	Fine, smectitic, acid, mesic Vertic Endoaquepts
Clarksville-----	Loamy-skeletal, siliceous, semiactive, mesic Typic Paleudults
Colp-----	Fine, smectitic, mesic Aquertic Chromic Hapludalfs
Darwin-----	Fine, smectitic, mesic Fluvaquentic Vertic Endoaquolls
Dupo-----	Coarse-silty over clayey, mixed over smectitic, superactive, nonacid, mesic Aquic Udifluvents
Ginat-----	Fine-silty, mixed, active, mesic Typic Endoaqualfs
Gorham-----	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
Hatfield-----	Fine-silty, mixed, active, mesic Aeric Fragic Epiaqualfs
Haymond-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Hosmer-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Hurst-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Jacob-----	Very-fine, smectitic, acid, mesic Vertic Endoaquepts
Karnak-----	Fine, smectitic, nonacid, mesic Vertic Endoaquepts
Lamont-----	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Menfro-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Muren-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Okaw-----	Fine, smectitic, mesic Chromic Vertic Albaqualfs
<sup>1</sup> Orthents, loamy-----	Fine-loamy, mixed, active, nonacid, mesic Typic Udorthents
<sup>2</sup> Orthents, silty-----	Fine-silty, mixed, superactive, nonacid, mesic Aquic Udorthents
Petrolia-----	Fine-silty, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
Piopolis-----	Fine-silty, mixed, active, acid, mesic Fluvaquentic Endoaquepts
Racoon-----	Fine-silty, mixed, superactive, mesic Typic Endoaqualfs
Roby-----	Coarse-loamy, mixed, superactive, mesic Aquic Hapludalfs
Ruark-----	Fine-loamy, mixed, active, mesic Typic Endoaqualfs
Sarpy-----	Mixed, mesic Typic Udipsamments
<sup>3</sup> *Sciotoville-----	Fine-silty, mixed, active, mesic Fragiaquic Hapludalfs
Sharon-----	Coarse-silty, mixed, active, acid, mesic Oxyaquic Udifluvents
Stookey-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Stoy-----	Fine-silty, mixed, superactive, mesic Fragiaquic Hapludalfs
Tice-----	Fine-silty, mixed, superactive, mesic Fluvaquentic Hapludolls
Wakeland-----	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Ware-----	Coarse-loamy, mixed, active, thermic Fluventic Hapludolls
Weir-----	Fine, smectitic, mesic Typic Endoaqualfs
Wheeling-----	Fine-loamy, mixed, active, mesic Ultic Hapludalfs
Winfield-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs

<sup>1</sup> **Loamy Orthents** are usually cut and fill areas on uplands. They are mainly borrow pits and fill areas.

<sup>2</sup> **Silty Orthents** are usually the levees along the Ohio River.

<sup>3</sup> **Sciotoville** soils do not have a fragipan. These soils have fragic soil properties in the series control section.

## Certification Statement

The MLRA Region 18 Team Leader certifies that:

- a. The fieldwork activities were completed in November 2000.
- b. Pulaski County joins Alexander County to the south and west, Union and Johnson Counties to the north and Massac County to the east. It is bounded by the Ohio River on the east and south.

Alexander County – Update complete with an exact join.

Union County – Update complete with an exact join.

Johnson and Massac Counties - Update in progress - exact join when the updates are complete.

- 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. Not all typical pedons are located in Pulaski County, but they are representative of the taxonomic units in MLRA's 120, 131 and 134.
- e. All typical pedons are classified according to Soil Taxonomy, Second Edition, 1999.
- g. The digital soil maps, once complete, will be reviewed for accuracy and consistency prior to certification.

**Approval Signature and Date:**

\_\_\_\_\_  
William H. Craddock  
Team Leader, MLRA Region 18  
Lexington, Kentucky

\_\_\_\_\_  
Date

\_\_\_\_\_  
William J. Gradle  
State Conservationist  
Champaign, Illinois

\_\_\_\_\_  
Date