

United States Department of Agriculture

Natural Resources Conservation Service

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

A Subset of MLRA 120

September 2003

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, USFS Soil Scientist provided much of the information relating to the recorrelation of the soils in Hardin County. This document was prepared as part of the update of the Soil Survey of Hardin County, a subset of MLRA 120. 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 Hardin County soil maps, the descriptive legend in the "Classification and Correlation of the Soils of Pope, Hardin and Massac Counties, Illinois" – October 1971, and the text and tables in the published Pope, Hardin and Massac Counties Soil Survey Report – June 1975.

Headnote for detailed soil survey legend:

This update of Hardin County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Area (MLRA) 120. 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. Three digit symbols without a slope letter are for miscellaneous areas.

Comment [JCD1]: Delete this last sentence unless you have a good reason for including it.

Soil Correlation of Hardin County, Illinois

Field symbols	Field map unit name	Publication symbol	Approved map unit name
9	Sandstone rock land	99F	Sandstone and Limestone Rock Land, 18 to 35 percent slopes
99F	Sandstone and Limestone Rock Land, 18 to 35 percent slopes		
9	Sandstone rock land	99G	Sandstone and Limestone Rock Land, 35 to 90 percent slopes
99G	Sandstone and Limestone Rock Land, 35 to 90 percent slopes		
131A	Alvin fine sandy loam, 0 to 2 percent slopes	131A	Alvin fine sandy loam, 0 to 2 percent slopes
131B	Alvin fine sandy loam, 2 to 5 percent slopes	131B	Alvin fine sandy loam, 2 to 5 percent slopes
131B	Alvin fine sandy loam, 2 to 4 percent slopes		
131C	Alvin fine sandy loam, 4 to 7 percent slopes		
131B	Alvin fine sandy loam, 2 to 4 percent slopes	131C	Alvin fine sandy loam, 5 to 10 percent slopes
131C	Alvin fine sandy loam, 4 to 7 percent slopes		
131C	Alvin fine sandy loam, 5 to 10 percent slopes		
131D2	Alvin fine sandy loam, 7 to 12 percent slopes, eroded		
131B	Alvin fine sandy loam, 2 to 4 percent slopes	131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded
131C	Alvin fine sandy loam, 4 to 7 percent slopes		
131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded		
131D2	Alvin fine sandy loam, 7 to 12 percent slopes, eroded		
131C	Alvin fine sandy loam, 4 to 7 percent slopes	131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded
131D2	Alvin fine sandy loam, 7 to 12 percent slopes, eroded		
131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded		
131E2	Alvin fine sandy loam, 12 to 18 percent slopes, eroded		
131E	Alvin fine sandy loam, 18 to 25 percent slopes	131E	Alvin fine sandy loam, 18 to 25 percent slopes
131F	Alvin fine sandy loam, 18 to 30 percent slopes		
131D2	Alvin fine sandy loam, 7 to 12 percent slopes, eroded	131E2	Alvin fine sandy loam, 18 to 25 percent slopes, eroded
131E2	Alvin fine sandy loam, 18 to 25 percent slopes, eroded		
131F	Alvin fine sandy loam, 25 to 35 percent slopes	131F	Alvin fine sandy loam, 25 to 35 percent slopes
131F	Alvin fine sandy loam, 18 to 30 percent slopes		
164A	Stoy silt loam, 0 to 2 percent slopes	164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 4 percent slopes		
164A	Stoy silt loam, 0 to 2 percent slopes	164B	Stoy silt loam, 2 to 5 percent slopes
164B	Stoy silt loam, 2 to 4 percent slopes		
164B	Stoy silt loam, 2 to 5 percent slopes		
164C2	Stoy silt loam, 4 to 7 percent slopes, eroded		
164B	Stoy silt loam, 2 to 4 percent slopes	164C2	Stoy silt loam, 5 to 10 percent slopes, eroded
164C2	Stoy silt loam, 4 to 7 percent slopes, eroded		
164C2	Stoy silt loam, 5 to 10 percent slopes, eroded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
165 165A	Weir silt loam Weir silt loam, 0 to 2 percent slopes	165A	Weir silt loam, 0 to 2 percent slopes
175B 175B 175D2	Lamont fine sandy loam, 2 to 5 percent slopes Lamont fine sandy loam, 2 to 7 percent slopes Lamont fine sandy loam, 7 to 12 percent slopes, eroded	175B	Lamont fine sandy loam, 2 to 5 percent slopes
175B 175C 175D2	Lamont fine sandy loam, 2 to 7 percent slopes Lamont fine sandy loam, 5 to 10 percent slopes Lamont fine sandy loam, 7 to 12 percent slopes, eroded	175C	Lamont fine sandy loam, 5 to 10 percent slopes
175B 175C2 175D2	Lamont fine sandy loam, 2 to 7 percent slopes Lamont fine sandy loam, 5 to 10 percent slopes, eroded Lamont fine sandy loam, 7 to 12 percent slopes, eroded	175C2	Lamont fine sandy loam, 5 to 10 percent slopes, eroded
175B 175D2 175D2	Lamont fine sandy loam, 2 to 7 percent slopes Lamont fine sandy loam, 7 to 12 percent slopes, eroded Lamont fine sandy loam, 10 to 18 percent slopes, eroded	175D2	Lamont fine sandy loam, 10 to 18 percent slopes, eroded
214B 214B 214C2 214D2 214D3	Hosmer silt loam, 2 to 4 percent slopes Hosmer silt loam, 2 to 5 percent slopes Hosmer silt loam, 4 to 7 percent slopes, eroded Hosmer silt loam, 7 to 12 percent slopes, eroded Hosmer soils, 7 to 12 percent slopes, severely eroded	214B	Hosmer silt loam, 2 to 5 percent slopes
214B 214C2 214C2 214D2 214D3 214E2 214E3 214F2	Hosmer silt loam, 2 to 4 percent slopes Hosmer silt loam, 5 to 10 percent slopes, eroded Hosmer silt loam, 4 to 7 percent slopes, eroded Hosmer silt loam, 7 to 12 percent slopes, eroded Hosmer soils, 7 to 12 percent slopes, severely eroded Hosmer silt loam, 12 to 18 percent slopes, eroded Hosmer soils, 12 to 18 percent slopes, severely eroded Hosmer silt loam, 18 to 30 percent slopes, eroded	214C2	Hosmer silt loam, 5 to 10 percent slopes, eroded
214C2 214C3 214D2 214D3 214E2 214E3 214F2	Hosmer silt loam, 4 to 7 percent slopes, eroded Hosmer silt loam, 5 to 10 percent slopes, severely eroded Hosmer silt loam, 7 to 12 percent slopes, eroded Hosmer soils, 7 to 12 percent slopes, severely eroded Hosmer silt loam, 12 to 18 percent slopes, eroded Hosmer soils, 12 to 18 percent slopes, severely eroded Hosmer silt loam, 18 to 30 percent slopes, eroded	214C3	Hosmer silt loam, 5 to 10 percent slopes, severely eroded

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
214C2	Hosmer silt loam, 4 to 7 percent slopes, eroded	214D2	Hosmer silt loam, 10 to 18 percent slopes, eroded
214D2	Hosmer silt loam, 10 to 18 percent slopes, eroded		
214D2	Hosmer silt loam, 7 to 12 percent slopes, eroded		
214D3	Hosmer soils, 7 to 12 percent slopes, severely eroded		
214E2	Hosmer silt loam, 12 to 18 percent slopes, eroded		
214E3	Hosmer soils, 12 to 18 percent slopes, severely eroded		
214F2	Hosmer silt loam, 18 to 30 percent slopes, eroded		
214C2	Hosmer silt loam, 4 to 7 percent slopes, eroded		
214D2	Hosmer silt loam, 7 to 12 percent slopes, eroded		
214D3	Hosmer silt loam, 10 to 18 percent slopes, severely eroded		
214D3	Hosmer soils, 7 to 12 percent slopes, severely eroded		
214E2	Hosmer silt loam, 12 to 18 percent slopes, eroded		
214E3	Hosmer soils, 12 to 18 percent slopes, severely eroded		
214F2	Hosmer silt loam, 18 to 30 percent slopes, eroded		
301B	Grantsburg silt loam, 2 to 5 percent slopes	301B	Grantsburg silt loam, 2 to 5 percent slopes
301B	Grantsburg silt loam, 2 to 4 percent slopes		
301C2	Grantsburg silt loam, 4 to 7 percent slopes, eroded		
301D2	Grantsburg silt loam, 7 to 12 percent slopes, eroded		
301D3	Grantsburg soils, 7 to 12 percent slopes, severely eroded		
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
301B	Grantsburg silt loam, 2 to 4 percent slopes		
301C2	Grantsburg silt loam, 4 to 7 percent slopes, eroded		
301C2	Grantsburg silt loam, 5 to 10 percent slopes, eroded		
301D2	Grantsburg silt loam, 7 to 12 percent slopes, eroded		
301D3	Grantsburg soils, 7 to 12 percent slopes, severely eroded		
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
301B	Grantsburg silt loam, 2 to 4 percent slopes	301C3	Grantsburg silt loam, 5 to 10 percent slopes, severely eroded
301C2	Grantsburg silt loam, 4 to 7 percent slopes, eroded		
301C3	Grantsburg silt loam, 5 to 10 percent slopes, severely eroded		
301D2	Grantsburg silt loam, 7 to 12 percent slopes, eroded		
301D3	Grantsburg soils, 7 to 12 percent slopes, severely eroded		
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
301C2	Grantsburg silt loam, 4 to 7 percent slopes, eroded	301D2	Grantsburg silt loam, 10 to 18 percent slopes, eroded
301D2	Grantsburg silt loam, 7 to 12 percent slopes, eroded		
301D2	Grantsburg silt loam, 10 to 18 percent slopes, eroded		
301D3	Grantsburg soils, 7 to 12 percent slopes, severely eroded		
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
301C2	Grantsburg silt loam, 4 to 7 percent slopes, eroded	301D3	Grantsburg silt loam, 10 to 18 percent slopes, severely eroded
301D2	Grantsburg silt loam, 7 to 12 percent slopes, eroded		
301D3	Grantsburg silt loam, 10 to 18 percent slopes, severely eroded		
301D3	Grantsburg soils, 7 to 12 percent slopes, severely eroded		
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
308B	Alford silt loam, 2 to 4 percent slopes	308B	Alford silt loam, 2 to 5 percent slopes
308B	Alford silt loam, 2 to 5 percent slopes		
308C2	Alford silt loam, 4 to 7 percent slopes, eroded		
308B	Alford silt loam, 2 to 4 percent slopes	308C2	Alford silt loam, 5 to 10 percent slopes, eroded
308C2	Alford silt loam, 5 to 10 percent slopes, eroded		
308C2	Alford silt loam, 4 to 7 percent slopes, eroded		
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		
308B	Alford silt loam, 2 to 4 percent slopes	308C3	Alford silt loam, 5 to 10 percent slopes, severely eroded
308C2	Alford silt loam, 4 to 7 percent slopes, eroded		
308C3	Alford 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		
308E2	Alford silt loam, 12 to 18 percent slopes, eroded		
308E3	Alford soils, 12 to 18 percent slopes, severely eroded		
308C2	Alford silt loam, 4 to 7 percent slopes, eroded	308D2	Alford silt loam, 10 to 18 percent slopes, eroded
308D2	Alford silt loam, 7 to 12 percent slopes, eroded		
308D2	Alford silt loam, 10 to 18 percent slopes, eroded		
308D3	Alford soils, 7 to 12 percent slopes, severely eroded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
308E2	Alford silt loam, 12 to 18 percent slopes, eroded		
308E3	Alford soils, 12 to 18 percent slopes, severely eroded		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
308C2	Alford silt loam, 4 to 7 percent slopes, eroded	308D3	Alford silt loam, 10 to 18 percent slopes, severely eroded
308D2	Alford silt loam, 7 to 12 percent slopes, eroded		
308D3	Alford silt loam, 10 to 18 percent slopes, severely 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		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
214F2	Hosmer silt loam, 18 to 30 percent slopes, eroded	308E	Alford silt loam, 18 to 25 percent slopes
308E	Alford silt loam, 18 to 25 percent slopes		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
214E2	Hosmer silt loam, 12 to 18 percent slopes, eroded	308E2	Alford silt loam, 18 to 25 percent slopes, eroded
214E3	Hosmer soils, 12 to 18 percent slopes, severely eroded		
214F2	Hosmer silt loam, 18 to 30 percent slopes, eroded		
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
308E2	Alford silt loam, 12 to 18 percent slopes, eroded		
308E2	Alford silt loam, 18 to 25 percent slopes, eroded		
308E3	Alford soils, 12 to 18 percent slopes, severely eroded		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
214E2	Hosmer silt loam, 12 to 18 percent slopes, eroded	308E3	Alford silt loam, 18 to 25 percent slopes, severely eroded
214E3	Hosmer soils, 12 to 18 percent slopes, severely eroded		
214F2	Hosmer silt loam, 18 to 30 percent slopes, eroded		
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
308E2	Alford silt loam, 12 to 18 percent slopes, eroded		
308E3	Alford soils, 12 to 18 percent slopes, severely eroded		
308E3	Alford silt loam, 18 to 25 percent slopes, severely eroded		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
214F2	Hosmer silt loam, 18 to 30 percent slopes, eroded	308F	Alford silt loam, 25 to 35 percent slopes
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
308F	Alford silt loam, 25 to 35 percent slopes		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
301B	Grantsburg silt loam, 2 to 4 percent slopes	335B	Robbs silt loam, 1 to 4 percent slopes
335B	Robbs silt loam, 1 to 4 percent slopes		
301B	Grantsburg silt loam, 2 to 4 percent slopes	339B	Wellston silt loam, 2 to 5 percent slopes
301C2	Grantsburg silt loam, 4 to 7 percent slopes, eroded		
339B	Wellston silt loam, 2 to 5 percent slopes		
339E	Wellston silt loam, 12 to 18 percent slopes		
339E3	Wellston soils, 12 to 18 percent slopes, severely eroded		
339F	Wellston silt loam, 18 to 30 percent slopes		
340D2	Zanesville silt loam, 7 to 12 percent slopes, eroded		
340D3	Zanesville soils, 7 to 12 percent slopes, severely eroded		
340E2	Zanesville silt loam, 12 to 18 percent slopes, eroded		
340E3	Zanesville soils, 12 to 18 percent slopes, severely eroded		
339C	Wellston silt loam, 5 to 10 percent slopes	339C	Wellston silt loam, 5 to 10 percent slopes
339E	Wellston silt loam, 12 to 18 percent slopes		
339E3	Wellston soils, 12 to 18 percent slopes, severely eroded		
339F	Wellston silt loam, 18 to 30 percent slopes		
986E	Wellston and Berks complex, 12 to 18 percent slopes		
986F	Wellston and Berks complex, 18 to 30 percent slopes		
986G	Wellston and Berks complex, 30 to 50 percent slopes		
339C2	Wellston silt loam, 5 to 10 percent slopes, eroded	339C2	Wellston silt loam, 5 to 10 percent slopes, eroded
339E	Wellston silt loam, 12 to 18 percent slopes		
339E3	Wellston soils, 12 to 18 percent slopes, severely eroded		
339F	Wellston silt loam, 18 to 30 percent slopes		
986E	Wellston and Berks complex, 12 to 18 percent slopes		
986F	Wellston and Berks complex, 18 to 30 percent slopes		
986G	Wellston and Berks complex, 30 to 50 percent slopes		
339C3	Wellston silt loam, 5 to 10 percent slopes, severely eroded	339C3	Wellston silt loam, 5 to 10 percent slopes, severely eroded
339E	Wellston silt loam, 12 to 18 percent slopes		
339E3	Wellston soils, 12 to 18 percent slopes, severely eroded		
339F	Wellston silt loam, 18 to 30 percent slopes		
986E	Wellston and Berks complex, 12 to 18 percent slopes		
986F	Wellston and Berks complex, 18 to 30 percent slopes		
986G	Wellston and Berks complex, 30 to 50 percent slopes		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
9 339D 339E 339E3 339F	Sandstone rock land Wellston silt loam, 10 to 18 percent slopes Wellston silt loam, 12 to 18 percent slopes Wellston soils, 12 to 18 percent slopes, severely eroded Wellston silt loam, 18 to 30 percent slopes	339D	Wellston silt loam, 10 to 18 percent slopes
339D2 339E 339E3 339F	Wellston silt loam, 10 to 18 percent slopes, eroded Wellston silt loam, 12 to 18 percent slopes Wellston soils, 12 to 18 percent slopes, severely eroded Wellston silt loam, 18 to 30 percent slopes	339D2	Wellston silt loam, 10 to 18 percent slopes, eroded
339D3 339E 339E3 339F	Wellston silt loam, 10 to 18 percent slopes, severely eroded Wellston silt loam, 12 to 18 percent slopes Wellston soils, 12 to 18 percent slopes, severely eroded Wellston silt loam, 18 to 30 percent slopes	339D3	Wellston silt loam, 10 to 18 percent slopes, severely eroded
9 339E 339E3 339F 339F 340E2 340E3 340F2	Sandstone rock land Wellston silt loam, 12 to 18 percent slopes Wellston soils, 12 to 18 percent slopes, severely eroded Wellston silt loam, 18 to 35 percent slopes Wellston silt loam, 18 to 30 percent slopes Zanesville silt loam, 12 to 18 percent slopes, eroded Zanesville soils, 12 to 18 percent slopes, severely eroded Zanesville silt loam, 18 to 30 percent slopes, eroded	339F	Wellston silt loam, 18 to 35 percent slopes
340B 340D2 340D3 340E2 340E3	Zanesville silt loam, 2 to 5 percent slopes Zanesville silt loam, 7 to 12 percent slopes, eroded Zanesville soils, 7 to 12 percent slopes, severely eroded Zanesville silt loam, 12 to 18 percent slopes, eroded Zanesville soils, 12 to 18 percent slopes, severely eroded	340B	Zanesville silt loam, 2 to 5 percent slopes
340C2 340D2 340D3 340E2 340E3 340F2	Zanesville silt loam, 5 to 10 percent slopes, eroded Zanesville silt loam, 7 to 12 percent slopes, eroded Zanesville soils, 7 to 12 percent slopes, severely eroded Zanesville silt loam, 12 to 18 percent slopes, eroded Zanesville soils, 12 to 18 percent slopes, severely eroded Zanesville silt loam, 18 to 30 percent slopes, eroded	340C2	Zanesville silt loam, 5 to 10 percent slopes, eroded
340C3 340D2 340D3 340E2 340E3 340F2	Zanesville silt loam, 5 to 10 percent slopes, severely eroded Zanesville silt loam, 7 to 12 percent slopes, eroded Zanesville soils, 7 to 12 percent slopes, severely eroded Zanesville silt loam, 12 to 18 percent slopes, eroded Zanesville soils, 12 to 18 percent slopes, severely eroded Zanesville silt loam, 18 to 30 percent slopes, eroded	340C3	Zanesville silt loam, 5 to 10 percent slopes, severely eroded

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
340D 340D2 340D3 340E2 340E3 340F2	Zanesville silt loam, 10 to 18 percent slopes Zanesville silt loam, 7 to 12 percent slopes, eroded Zanesville soils, 7 to 12 percent slopes, severely eroded Zanesville silt loam, 12 to 18 percent slopes, eroded Zanesville soils, 12 to 18 percent slopes, severely eroded Zanesville silt loam, 18 to 30 percent slopes, eroded	340D	Zanesville silt loam, 10 to 18 percent slopes
340D2 340D2 340D3 340E2 340E3 340F2	Zanesville silt loam, 7 to 12 percent slopes, eroded Zanesville silt loam, 10 to 18 percent slopes, eroded Zanesville soils, 7 to 12 percent slopes, severely eroded Zanesville silt loam, 12 to 18 percent slopes, eroded Zanesville soils, 12 to 18 percent slopes, severely eroded Zanesville silt loam, 18 to 30 percent slopes, eroded	340D2	Zanesville silt loam, 10 to 18 percent slopes, eroded
340D2 340D3 340D3 340E2 340E3 340F2	Zanesville silt loam, 7 to 12 percent slopes, eroded Zanesville silt loam, 10 to 18 percent slopes, severely eroded Zanesville soils, 7 to 12 percent slopes, severely eroded Zanesville silt loam, 12 to 18 percent slopes, eroded Zanesville soils, 12 to 18 percent slopes, severely eroded Zanesville silt loam, 18 to 30 percent slopes, eroded	340D3	Zanesville silt loam, 10 to 18 percent slopes, severely eroded
308B 308C2 453B	Alford silt loam, 2 to 4 percent slopes Alford silt loam, 4 to 7 percent slopes, eroded Muren silt loam, 2 to 5 percent slopes	453B	Muren silt loam, 2 to 5 percent slopes
308B 308C2 308D2 308D3 308E2 308E3 308F2 453C2	Alford silt loam, 2 to 4 percent slopes Alford silt loam, 4 to 7 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 Alford silt loam, 18 to 30 percent slopes, eroded Muren silt loam, 5 to 10 percent slopes, eroded	453C2	Muren silt loam, 5 to 10 percent slopes, eroded
308B 308C2 308D2 308D3 308E2	Alford silt loam, 2 to 4 percent slopes Alford silt loam, 4 to 7 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	453C3	Muren silt loam, 5 to 10 percent slopes, severely eroded

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
308E3	Alford soils, 12 to 18 percent slopes, severely eroded		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
453C3	Muren silt loam, 5 to 10 percent slopes, severely eroded		
308C2	Alford silt loam, 4 to 7 percent slopes, eroded	453D2	Muren silt loam, 10 to 18 percent slopes, eroded
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		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
453D2	Muren silt loam, 10 to 18 percent slopes, eroded		
308C2	Alford silt loam, 4 to 7 percent slopes, eroded	453D3	Muren silt loam, 10 to 18 percent slopes, severely eroded
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		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
453D3	Muren silt loam, 10 to 18 percent slopes, severely eroded		
471D2	Clarksville gravelly silt loam, 10 to 18 percent slopes, eroded	471D2	Clarksville gravelly silt loam, 10 to 18 percent slopes, eroded
471F	Clarksville cherty silt loam, 20 to 30 percent slopes		
471G	Clarksville cherty silt loam, 30 to 60 percent slopes		
471D3	Clarksville gravelly silt loam, 10 to 18 percent slopes, severely eroded	471D3	Clarksville gravelly silt loam, 10 to 18 percent slopes, severely eroded
471F	Clarksville cherty silt loam, 20 to 30 percent slopes		
471G	Clarksville cherty silt loam, 30 to 60 percent slopes		
471F	Clarksville cherty silt loam, 20 to 30 percent slopes	471F	Clarksville gravelly silt loam, 25 to 35 percent slopes
471F	Clarksville gravelly silt loam, 25 to 35 percent slopes		
471G	Clarksville cherty silt loam, 30 to 60 percent slopes		
471F	Clarksville cherty silt loam, 20 to 30 percent slopes	471G	Clarksville gravelly silt loam, 35 to 70 percent slopes
471G	Clarksville cherty silt loam, 30 to 60 percent slopes		
471G	Clarksville gravelly silt loam, 35 to 70 percent slopes		
536	Dumps, mine	536	Dumps, mine
C.F.L.	CUT AND FILL LAND		
M.D.	MINE DUMP		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
598B 598D 598E2 598F2	Bedford silt loam, 2 to 5 percent slopes Bedford silt loam, 7 to 12 percent slopes Bedford silt loam, 12 to 18 percent slopes, eroded Bedford silt loam, 18 to 30 percent slopes, eroded	598B	Bedford silt loam, 2 to 5 percent slopes
598C 598D 598E2 598F2	Bedford silt loam, 5 to 10 percent slopes Bedford silt loam, 7 to 12 percent slopes Bedford silt loam, 12 to 18 percent slopes, eroded Bedford silt loam, 18 to 30 percent slopes, eroded	598C	Bedford silt loam, 5 to 10 percent slopes
598C2 598D 598E2 598E3 598F2	Bedford silt loam, 5 to 10 percent slopes, eroded Bedford silt loam, 7 to 12 percent slopes Bedford silt loam, 12 to 18 percent slopes, eroded Bedford soils, 12 to 18 percent slopes, severely eroded Bedford silt loam, 18 to 30 percent slopes, eroded	598C2	Bedford silt loam, 5 to 10 percent slopes, eroded
598C3 598D 598E2 598E3 598F2	Bedford silt loam, 5 to 10 percent slopes, severely eroded Bedford silt loam, 7 to 12 percent slopes Bedford silt loam, 12 to 18 percent slopes, eroded Bedford soils, 12 to 18 percent slopes, severely eroded Bedford silt loam, 18 to 30 percent slopes, eroded	598C3	Bedford silt loam, 5 to 10 percent slopes, severely eroded
598D 598D	Bedford silt loam, 10 to 18 percent slopes Bedford silt loam, 7 to 12 percent slopes	598D	Bedford silt loam, 10 to 18 percent slopes
598D 598D2 598E2 598E3 598F2	Bedford silt loam, 7 to 12 percent slopes Bedford silt loam, 10 to 18 percent slopes, eroded Bedford silt loam, 12 to 18 percent slopes, eroded Bedford soils, 12 to 18 percent slopes, severely eroded Bedford silt loam, 18 to 30 percent slopes, eroded	598D2	Bedford silt loam, 10 to 18 percent slopes, eroded
598D 598D3 598E2 598E3 598F2	Bedford silt loam, 7 to 12 percent slopes Bedford silt loam, 10 to 18 percent slopes, severely eroded Bedford silt loam, 12 to 18 percent slopes, eroded Bedford soils, 12 to 18 percent slopes, severely eroded Bedford silt loam, 18 to 30 percent slopes, eroded	598D3	Bedford silt loam, 10 to 18 percent slopes, severely eroded
599D 599E 599F 599G	Baxter gravelly silt loam, 10 to 18 percent slopes Baxter cherty silt loam, 12 to 18 percent slopes Baxter cherty silt loam, 18 to 30 percent slopes Baxter cherty silt loam, 30 to 50 percent slopes	599D	Baxter gravelly silt loam, 10 to 18 percent slopes

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
599E	Baxter cherty silt loam, 12 to 18 percent slopes	599F	Baxter gravelly silt loam, 18 to 35 percent slopes
599F	Baxter cherty silt loam, 18 to 30 percent slopes		
599F	Baxter gravelly silt loam, 18 to 35 percent slopes		
599G	Baxter cherty silt loam, 30 to 50 percent slopes		
599F	Baxter cherty silt loam, 18 to 30 percent slopes	599G	Baxter gravelly silt loam, 35 to 70 percent slopes
599G	Baxter cherty silt loam, 30 to 50 percent slopes		
599G	Baxter gravelly silt loam, 35 to 70 percent slopes		
691C	Beasley silt loam, 5 to 10 percent slopes	691C	Beasley silt loam, 5 to 10 percent slopes
691E	Beasley silt loam, 12 to 18 percent slopes		
691F	Beasley silt loam, 18 to 30 percent slopes		
691G	Beasley silt loam, 30 to 50 percent slopes		
691C2	Beasley silt loam, 5 to 10 percent slopes, eroded	691C2	Beasley silt loam, 5 to 10 percent slopes, eroded
691E	Beasley silt loam, 12 to 18 percent slopes		
691F	Beasley silt loam, 18 to 30 percent slopes		
691G	Beasley silt loam, 30 to 50 percent slopes		
691D	Beasley silt loam, 10 to 18 percent slopes	691D	Beasley silt loam, 10 to 18 percent slopes
691E	Beasley silt loam, 12 to 18 percent slopes		
691F	Beasley silt loam, 18 to 30 percent slopes		
691G	Beasley silt loam, 30 to 50 percent slopes		
691D2	Beasley silt loam, 10 to 18 percent slopes, eroded	691D2	Beasley silt loam, 10 to 18 percent slopes, eroded
691E	Beasley silt loam, 12 to 18 percent slopes		
691F	Beasley silt loam, 18 to 30 percent slopes		
691G	Beasley silt loam, 30 to 50 percent slopes		
691E	Beasley silt loam, 12 to 18 percent slopes	691F	Beasley silt loam, 18 to 35 percent slopes
691F	Beasley silt loam, 18 to 35 percent slopes		
691F	Beasley silt loam, 18 to 30 percent slopes		
691G	Beasley silt loam, 30 to 50 percent slopes		
691F	Beasley silt loam, 18 to 30 percent slopes	691G	Beasley silt loam, 35 to 70 percent slopes
691G	Beasley silt loam, 35 to 70 percent slopes		
691G	Beasley silt loam, 30 to 50 percent slopes		
801	Orthents, silty	801B	Orthents, silty, undulating
801B	Orthents, silty, undulating		
B.P.	BORROW PITS		
C.F.L.	CUT AND FILL LAND		
M.D.	MINE DUMP		
802	Orthents, loamy	802D	Orthents, loamy, hilly
802D	Orthents, loamy, hilly		
B.P.	BORROW PITS		
C.F.L.	CUT AND FILL LAND		
M.D.	MINE DUMP		
864	Pits, quarries	864	Pits, quarries
G.P.	QUARRIES & GRAVEL PITS		
865	Pits, gravel	865	Pits, gravel
G.P.	QUARRIES & GRAVEL PITS		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
954D 954E2 954F2	Alford-Baxter complex, 10 to 18 percent slopes Alford and Baxter complex, 12 to 18 percent slopes, eroded Alford and Baxter complex, 18 to 40 percent slopes, eroded	954D	Alford-Baxter complex, 10 to 18 percent slopes
954D2 954E2 954F2	Alford-Baxter complex, 10 to 18 percent slopes, eroded Alford and Baxter complex, 12 to 18 percent slopes, eroded Alford and Baxter complex, 18 to 40 percent slopes, eroded	954D2	Alford-Baxter complex, 10 to 18 percent slopes, eroded
598E2 598E3 598F2 954E2 954F 954F2	Bedford silt loam, 12 to 18 percent slopes, eroded Bedford soils, 12 to 18 percent slopes, severely eroded Bedford silt loam, 18 to 30 percent slopes, eroded Alford and Baxter complex, 12 to 18 percent slopes, eroded Alford-Baxter complex, 18 to 35 percent slopes Alford and Baxter complex, 18 to 40 percent slopes, eroded	954F	Alford-Baxter complex, 18 to 35 percent slopes
955D 955F 955G	Muskingum and Berks soils, 10 to 18 percent slopes Muskingum and Berks soils, 15 to 30 percent slopes Muskingum and Berks soils, 30 to 60 percent slopes	955D	Muskingum and Berks soils, 10 to 18 percent slopes
955D2 955F 955G	Muskingum and Berks soils, 10 to 18 percent slopes, eroded Muskingum and Berks soils, 15 to 30 percent slopes Muskingum and Berks soils, 30 to 60 percent slopes	955D2	Muskingum and Berks soils, 10 to 18 percent slopes, eroded
9 955F 955F 955G 986F 986G	Sandstone rock land Muskingum and Berks soils, 18 to 35 percent slopes Muskingum and Berks soils, 15 to 30 percent slopes Muskingum and Berks soils, 30 to 60 percent slopes Wellston and Berks complex, 18 to 30 percent slopes Wellston and Berks complex, 30 to 50 percent slopes	955F	Muskingum and Berks soils, 18 to 35 percent slopes
9 955F 955G 955G 986F 986G	Sandstone rock land Muskingum and Berks soils, 15 to 30 percent slopes Muskingum and Berks soils, 35 to 70 percent slopes Muskingum and Berks soils, 30 to 60 percent slopes Wellston and Berks complex, 18 to 30 percent slopes Wellston and Berks complex, 30 to 50 percent slopes	955G	Muskingum and Berks soils, 35 to 70 percent slopes

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
986D	Wellston-Berks complex, 10 to 18 percent slopes	986D	Wellston-Berks complex, 10 to 18 percent slopes
986E	Wellston and Berks complex, 12 to 18 percent slopes		
986F	Wellston and Berks complex, 18 to 30 percent slopes		
986G	Wellston and Berks complex, 30 to 50 percent slopes		
986D2	Wellston-Berks complex, 10 to 18 percent slopes, eroded	986D2	Wellston-Berks complex, 10 to 18 percent slopes, eroded
986E	Wellston and Berks complex, 12 to 18 percent slopes		
986F	Wellston and Berks complex, 18 to 30 percent slopes		
986G	Wellston and Berks complex, 30 to 50 percent slopes		
986D3	Wellston-Berks complex, 10 to 18 percent slopes, severely eroded	986D3	Wellston-Berks complex, 10 to 18 percent slopes, severely eroded
986E	Wellston and Berks complex, 12 to 18 percent slopes		
986F	Wellston and Berks complex, 18 to 30 percent slopes		
986G	Wellston and Berks complex, 30 to 50 percent slopes		
9	Sandstone rock land	986F	Wellston-Berks complex, 18 to 35 percent slopes
986E	Wellston and Berks complex, 12 to 18 percent slopes		
986F	Wellston and Berks complex, 18 to 30 percent slopes		
986F	Wellston-Berks complex, 18 to 35 percent slopes		
986G	Wellston and Berks complex, 30 to 50 percent slopes		
9	Sandstone rock land	986G	Wellston-Berks complex, 35 to 70 percent slopes
986F	Wellston and Berks complex, 18 to 30 percent slopes		
986G	Wellston and Berks complex, 30 to 50 percent slopes		
986G	Wellston-Berks complex, 35 to 70 percent slopes		
1843A	Bonnie and Petrolia soils, undrained, 0 to 2 percent slopes, frequently flooded	1843A	Bonnie and Petrolia soils, undrained, 0 to 2 percent slopes, frequently flooded
W108	Bonnie silt loam, wet		
70	Beaucoup silty clay loam	3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded
3070A	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded		
70	Beaucoup silty clay loam	3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
3070L	Beaucoup silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration		
71	Darwin silty clay	3071A	Darwin silty clay, 0 to 2 percent slopes, frequently flooded
3071A	Darwin silty clay, 0 to 2 percent slopes, frequently flooded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
71	Darwin silty clay	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		
72	Sharon silt loam	3072A	Sharon silt loam, 0 to 3 percent slopes, frequently flooded
331	Haymond silt loam		
3072A	Sharon silt loam, 0 to 3 percent slopes, frequently flooded		
72	Sharon silt loam	3072L	Sharon silt loam, 0 to 3 percent slopes, frequently flooded, long duration
331	Haymond silt loam		
3072L	Sharon silt loam, 0 to 3 percent slopes, frequently flooded, long duration		
108	Bonnie silt loam	3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded
109	Raccoon silt loam		
3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded		
108	Bonnie silt loam	3108L	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded, long duration
109	Raccoon silt loam		
3108L	Bonnie silt loam, 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		
180	Dupo silt loam	3180L	Dupo silt loam, 0 to 2 percent slopes, frequently flooded, long duration
3180L	Dupo silt loam, 0 to 2 percent slopes, frequently flooded, long duration		
288	Petrolia silty clay loam	3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded		
288	Petrolia silty clay loam	3288L	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	Sharon silt loam	3331A	Haymond silt loam, 0 to 3 percent slopes, frequently flooded
331	Haymond silt loam		
3331A	Haymond silt loam, 0 to 3 percent slopes, frequently flooded		
72	Sharon silt loam	3331L	Haymond silt loam, 0 to 3 percent slopes, frequently flooded, long duration
331	Haymond silt loam		
3331L	Haymond silt loam, 0 to 3 percent slopes, frequently flooded, long duration		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
333	Wakeland silt loam	3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
382	Belknap silt loam		
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded		
333	Wakeland silt loam	3333L	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	Bonnie silt loam	3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded		
108	Bonnie silt loam	3334L	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	Wakeland silt loam	3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
382	Belknap silt loam		
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded		
333	Wakeland silt loam	3382L	Belknap silt loam, 0 to 2 percent slopes, frequently flooded, long duration
382	Belknap silt loam		
3382L	Belknap silt loam, 0 to 2 percent slopes, frequently flooded, long duration		
288	Petrolia silty clay loam	3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded
3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded		
422	Cape silty clay loam	3422A	Cape silty clay loam, 0 to 2 percent slopes, frequently flooded
426	Karnak silty clay		
3422A	Cape silty clay loam, 0 to 2 percent slopes, frequently flooded		
422	Cape silty clay loam	3426A	Karnak silty clay, 0 to 2 percent slopes, frequently flooded
426	Karnak silty clay		
3426A	Karnak silty clay, 0 to 2 percent slopes, frequently flooded		
426	Karnak silty clay	3426L	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		
455	Alluvial land	3449L	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		
597	Armiesburg silty clay loam	3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded
600	Huntington silt loam		
3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
597	Armiesburg silty clay loam	3597L	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
600 3597L	Huntington silt loam Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration		
214B	Hosmer silt loam, 2 to 4 percent slopes	5214B2	Hosmer silt loam, karst, 2 to 5 percent slopes, eroded
214C2	Hosmer silt loam, 4 to 7 percent slopes, eroded		
214D2	Hosmer silt loam, 7 to 12 percent slopes, eroded		
214D3	Hosmer soils, 7 to 12 percent slopes, severely eroded		
5214B2	Hosmer silt loam, karst, 2 to 5 percent slopes, eroded		
214B	Hosmer silt loam, 2 to 4 percent slopes	5214C3	Hosmer silt loam, karst, 5 to 10 percent slopes, severely eroded
214C2	Hosmer silt loam, 4 to 7 percent slopes, eroded		
214D2	Hosmer silt loam, 7 to 12 percent slopes, eroded		
214D3	Hosmer soils, 7 to 12 percent slopes, severely eroded		
214E2	Hosmer silt loam, 12 to 18 percent slopes, eroded		
214E3	Hosmer soils, 12 to 18 percent slopes, severely eroded		
214F2	Hosmer silt loam, 18 to 30 percent slopes, eroded		
5214C3	Hosmer silt loam, karst, 5 to 10 percent slopes, severely eroded		
214D2	Hosmer silt loam, 7 to 12 percent slopes, eroded	5214D3	Hosmer silt loam, karst, 10 to 18 percent slopes, severely eroded
214D3	Hosmer soils, 7 to 12 percent slopes, severely eroded		
214E2	Hosmer silt loam, 12 to 18 percent slopes, eroded		
214E3	Hosmer soils, 12 to 18 percent slopes, severely eroded		
214F2	Hosmer silt loam, 18 to 30 percent slopes, eroded		
5214D3	Hosmer silt loam, karst, 10 to 18 percent slopes, severely eroded		
301B	Grantsburg silt loam, 2 to 4 percent slopes	5301B2	Grantsburg silt loam, karst, 2 to 5 percent slopes, eroded
301C2	Grantsburg silt loam, 4 to 7 percent slopes, eroded		
301D2	Grantsburg silt loam, 7 to 12 percent slopes, eroded		
301D3	Grantsburg soils, 7 to 12 percent slopes, severely eroded		
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
5301B2	Grantsburg silt loam, karst, 2 to 5 percent slopes, eroded		
301B	Grantsburg silt loam, 2 to 4 percent slopes	5301C3	Grantsburg silt loam, karst, 5 to 10 percent slopes, severely eroded
301C2	Grantsburg silt loam, 4 to 7 percent slopes, eroded		
301D2	Grantsburg silt loam, 7 to 12 percent slopes, eroded		
301D3	Grantsburg soils, 7 to 12 percent slopes, severely eroded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
5301C3	Grantsburg silt loam, karst, 5 to 10 percent slopes, severely eroded		
301C2	Grantsburg silt loam, 4 to 7 percent slopes, eroded	5301D3	Grantsburg silt loam, karst, 10 to 18 percent slopes, severely eroded
301D2	Grantsburg silt loam, 7 to 12 percent slopes, eroded		
301D3	Grantsburg soils, 7 to 12 percent slopes, severely eroded		
301E2	Grantsburg silt loam, 12 to 18 percent slopes, eroded		
301E3	Grantsburg soils, 12 to 18 percent slopes, severely eroded		
5301D3	Grantsburg silt loam, karst, 10 to 18 percent slopes, severely eroded		
308B	Alford silt loam, 2 to 4 percent slopes	5308B2	Alford silt loam, karst, 2 to 5 percent slopes, eroded
308C2	Alford silt loam, 4 to 7 percent slopes, eroded		
5308B2	Alford silt loam, karst, 2 to 5 percent slopes, eroded		
308B	Alford silt loam, 2 to 4 percent slopes	5308C3	Alford silt loam, karst, 5 to 10 percent slopes, severely eroded
308C2	Alford silt loam, 4 to 7 percent slopes, eroded		
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		
5308C3	Alford silt loam, karst, 5 to 10 percent slopes, severely eroded		
308C2	Alford silt loam, 4 to 7 percent slopes, eroded	5308D3	Alford silt loam, karst, 10 to 18 percent slopes, severely eroded
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		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
5308D3	Alford silt loam, karst, 10 to 18 percent slopes, severely eroded		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded	5308E3	Alford silt loam, karst, 18 to 25 percent slopes, severely eroded
5308E3	Alford silt loam, karst, 18 to 25 percent slopes, severely eroded		
308C2	Alford silt loam, 4 to 7 percent slopes, eroded	5333A	Wakeland silt loam, karst, 0 to 2 percent slopes
308D2	Alford silt loam, 7 to 12 percent slopes, eroded		
308D3	Alford soils, 7 to 12 percent slopes, severely eroded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
308E2	Alford silt loam, 12 to 18 percent slopes, eroded		
308E3	Alford soils, 12 to 18 percent slopes, severely eroded		
308F2	Alford silt loam, 18 to 30 percent slopes, eroded		
5333A	Wakeland silt loam, karst, 0 to 2 percent slopes		
467C2	Markland silt loam, 2 to 7 percent slopes, eroded	7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded
7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded		
467C2	Markland silt loam, 2 to 7 percent slopes, eroded	7122C2	Colp silt loam, 5 to 10 percent slopes, eroded, rarely flooded
467D2	Markland silt loam, 7 to 15 percent slopes, eroded		
7122C2	Colp silt loam, 5 to 10 percent slopes, eroded, rarely flooded		
467D2	Markland silt loam, 7 to 15 percent slopes, eroded	7122D2	Colp silt loam, 10 to 18 percent slopes, eroded, rarely flooded
7122D2	Colp silt loam, 10 to 18 percent slopes, eroded, rarely flooded		
131A	Alvin fine sandy loam, 0 to 2 percent slopes	7131A	Alvin fine sandy loam, 0 to 2 percent slopes, rarely flooded
7131A	Alvin fine sandy loam, 0 to 2 percent slopes, rarely flooded		
131B	Alvin fine sandy loam, 2 to 4 percent slopes	7131B	Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded
131C	Alvin fine sandy loam, 4 to 7 percent slopes		
7131B	Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded		
131B	Alvin fine sandy loam, 2 to 4 percent slopes	7131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded
131C	Alvin fine sandy loam, 4 to 7 percent slopes		
131D2	Alvin fine sandy loam, 7 to 12 percent slopes, eroded		
7131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded		
131C	Alvin fine sandy loam, 4 to 7 percent slopes	7131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded, rarely flooded
131D2	Alvin fine sandy loam, 7 to 12 percent slopes, eroded		
131E2	Alvin fine sandy loam, 12 to 18 percent slopes, eroded		
7131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded, rarely flooded		
173B	McGary silt loam, 0 to 4 percent slopes	7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded
7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded		
460	Ginat silt loam	7460A	Ginat silt loam, 0 to 2 percent slopes, rarely flooded
7460A	Ginat silt loam, 0 to 2 percent slopes, rarely flooded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
462A	Sciotoville silt loam, 0 to 2 percent slopes	7462A	Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded
7462A	Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded		
462B	Sciotoville silt loam, 2 to 4 percent slopes	7462B	Sciotoville silt loam, 2 to 5 percent slopes, rarely flooded
462C2	Sciotoville silt loam, 4 to 7 percent slopes, eroded		
7462B	Sciotoville silt loam, 2 to 5 percent slopes, rarely flooded		
462B	Sciotoville silt loam, 2 to 4 percent slopes	7462C2	Sciotoville silt loam, 5 to 10 percent slopes, eroded, rarely flooded
462C2	Sciotoville silt loam, 4 to 7 percent slopes, eroded		
462D2	Sciotoville silt loam, 7 to 12 percent slopes, eroded		
7462C2	Sciotoville silt loam, 5 to 10 percent slopes, eroded, rarely flooded		
462D3	Sciotoville soils, 7 to 12 percent slopes, severely eroded	7462C3	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		
462C2	Sciotoville silt loam, 4 to 7 percent slopes, eroded	7462D2	Sciotoville silt loam, 10 to 18 percent slopes, eroded, rarely flooded
462D2	Sciotoville silt loam, 7 to 12 percent slopes, eroded		
7462D2	Sciotoville silt loam, 10 to 18 percent slopes, eroded, rarely flooded		
462D3	Sciotoville soils, 7 to 12 percent slopes, severely eroded	7462D3	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	Wheeling silt loam, 0 to 2 percent slopes	7463A	Wheeling silt loam, 0 to 2 percent slopes, rarely flooded
7463A	Wheeling silt loam, 0 to 2 percent slopes, rarely flooded		
463B	Wheeling silt loam, 2 to 4 percent slopes	7463B	Wheeling silt loam, 2 to 5 percent slopes, rarely flooded
463C2	Wheeling silt loam, 4 to 7 percent slopes, eroded		
7463B	Wheeling silt loam, 2 to 5 percent slopes, rarely flooded		
463B	Wheeling silt loam, 2 to 4 percent slopes	7463C2	Wheeling silt loam, 5 to 10 percent slopes, eroded, rarely flooded
463C2	Wheeling silt loam, 4 to 7 percent slopes, eroded		
463D2	Wheeling silt loam, 7 to 12 percent slopes, eroded		
7463C2	Wheeling silt loam, 5 to 10 percent slopes, eroded, rarely flooded		
463D2	Wheeling silt loam, 7 to 12 percent slopes, eroded	7463D2	Wheeling silt loam, 10 to 18 percent slopes, eroded, rarely flooded
463E2	Wheeling silt loam, 12 to 25 percent slopes, eroded		
7463D2	Wheeling silt loam, 10 to 18 percent slopes, eroded, rarely flooded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
463E2	Wheeling silt loam, 12 to 25 percent slopes, eroded	7463E2	Wheeling silt loam, 18 to 25 percent slopes, eroded, rarely flooded
7463E2	Wheeling silt loam, 18 to 25 percent slopes, eroded, rarely flooded		
723	Reesville silt loam	7483A	Henshaw silt loam, 0 to 3 percent slopes, rarely flooded
7483A	Henshaw silt loam, 0 to 3 percent slopes, rarely flooded		
461A	Weinbach silt loam, 0 to 2 percent slopes	7711A	Hatfield silt loam, 0 to 2 percent slopes, rarely flooded
7711A	Hatfield silt loam, 0 to 2 percent slopes, rarely flooded		
461B	Weinbach silt loam, 2 to 4 percent slopes	7711B	Hatfield silt loam, 2 to 5 percent slopes, rarely flooded
461C2	Weinbach silt loam, 4 to 7 percent slopes, eroded		
7711B	Hatfield silt loam, 2 to 5 percent slopes, rarely flooded		
461B	Weinbach silt loam, 2 to 4 percent slopes	7711B2	Hatfield silt loam, 2 to 5 percent slopes, eroded, rarely flooded
461C2	Weinbach silt loam, 4 to 7 percent slopes, eroded		
7711B2	Hatfield silt loam, 2 to 5 percent slopes, eroded, rarely flooded		
70	Beaucoup silty clay loam	8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded
8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded		
71	Darwin silty clay	8071A	Darwin clay, 0 to 2 percent slopes, occasionally flooded
8071A	Darwin clay, 0 to 2 percent slopes, occasionally flooded		
72	Sharon silt loam	8072A	Sharon silt loam, 0 to 3 percent slopes, occasionally flooded
331	Haymond silt loam		
8072A	Sharon silt loam, 0 to 3 percent slopes, occasionally flooded		
108	Bonnie silt loam	8108A	Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded
8108A	Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded		
109	Raccoon silt loam	8109A	Raccoon silt loam, 0 to 2 percent slopes, occasionally flooded
8109A	Raccoon silt loam, 0 to 2 percent slopes, occasionally flooded		
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		
288	Petrolia silty clay loam	8288A	Petrolia silty clay loam, 0 to 2 percent slopes, occasionally flooded
8288A	Petrolia silty clay loam, 0 to 2 percent slopes, occasionally flooded		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
72	Sharon silt loam	8331A	Haymond silt loam, 0 to 3 percent slopes, occasionally flooded
331	Haymond silt loam		
8331A	Haymond silt loam, 0 to 3 percent slopes, occasionally flooded		
333	Wakeland silt loam	8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded
382	Belknap silt loam		
8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded		
108	Bonnie silt loam	8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded
8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded		
333	Wakeland silt loam	8382A	Belknap silt loam, 0 to 2 percent slopes, occasionally flooded
382	Belknap silt loam		
8382A	Belknap silt loam, 0 to 2 percent slopes, occasionally flooded		
288	Petrolia silty clay loam	8420A	Piopolis silty clay loam, 0 to 3 percent slopes, occasionally flooded
8420A	Piopolis silty clay loam, 0 to 3 percent slopes, occasionally flooded		
422	Cape silty clay loam	8422A	Cape silty clay loam, 0 to 2 percent slopes, occasionally flooded
426	Karnak silty clay		
8422A	Cape silty clay loam, 0 to 2 percent slopes, occasionally flooded		
422	Cape silty clay loam	8426A	Karnak silty clay, 0 to 2 percent slopes, occasionally flooded
426	Karnak silty clay		
8426A	Karnak silty clay, 0 to 2 percent slopes, occasionally flooded		
427	Burnside silt loam	8427B	Burnside silt loam, 1 to 4 percent slopes, occasionally flooded
598D	Bedford silt loam, 7 to 12 percent slopes		
598E2	Bedford silt loam, 12 to 18 percent slopes, eroded		
598E3	Bedford soils, 12 to 18 percent slopes, severely eroded		
598F2	Bedford silt loam, 18 to 30 percent slopes, eroded		
599E	Baxter cherty silt loam, 12 to 18 percent slopes		
599F	Baxter cherty silt loam, 18 to 30 percent slopes		
599G	Baxter cherty silt loam, 30 to 50 percent slopes		
954E2	Alford and Baxter complex, 12 to 18 percent slopes, eroded		
954F2	Alford and Baxter complex, 18 to 40 percent slopes, eroded		
955F	Muskingum and Berks soils, 15 to 30 percent slopes		
955G	Muskingum and Berks soils, 30 to 60 percent slopes		
986E	Wellston and Berks complex, 12 to 18 percent slopes		
986F	Wellston and Berks complex, 18 to 30 percent slopes		

Soil Correlation of Hardin County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
986G	Wellston and Berks complex, 30 to 50 percent slopes		
8427B	Burnside silt loam, 1 to 4 percent slopes, occasionally flooded		
469B	Emma silty clay loam, 2 to 7 percent slopes	8469B	Emma silty clay loam, 2 to 5 percent slopes, occasionally flooded
8469B	Emma silty clay loam, 2 to 5 percent slopes, occasionally flooded		
469B	Emma silty clay loam, 2 to 7 percent slopes	8469C2	Emma silty clay loam, 5 to 10 percent slopes, eroded, occasionally flooded
8469C2	Emma silty clay loam, 5 to 10 percent slopes, eroded, occasionally flooded		
597	Armiesburg silty clay loam	8597A	Armiesburg silty clay loam, 0 to 2 percent slopes, occasionally flooded
600	Huntington silt loam		
8597A	Armiesburg silty clay loam, 0 to 2 percent slopes, occasionally flooded		
693	Hurst silty clay loam	8693A	Hurst silty clay loam, 0 to 2 percent slopes, occasionally flooded
8693A	Hurst silty clay loam, 0 to 2 percent slopes, occasionally flooded		
MW W	Miscellaneous Water Water	MW	Miscellaneous Water
B.P. W	BORROW PITS Water	W	Water

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.

Series Established by this Correlation

None

Series or Other Components Added to Previously Correlated Legend for Illinois Agricultural Experiment Station Report No. 94

Birds, Colp, Hatfield, Henshaw, Muren, Orthents, Piopolis, and Sarpy

Series Dropped from Previously Correlated Legend for Illinois Agricultural Experiment Station Report No. 94

Brandon (*), Huntington, Lax (*), Markland, McGary, Reesville, Saffell (*) and Weinbach
(*)-No acres of the Brandon, Lax or Saffell soils were mapped and correlated in Hardin 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 Hardin County was completed in 1971 and published by the United States Department of Agriculture, Soil Conservation Service in June 1975. (Also designated as Illinois Agricultural Experiment Station Report No. 94). Reference to the prior soil survey will be included in the literature citation of the manuscript. This update replaces the June 1975 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**

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SOIL SURVEY FEATURES					
SOIL DELINEATIONS AND LABELS					
STANDARD LINES AND MISCELLANEOUS SURVEY FEATURES					
Badland escarpment					
Risk factor escarpment					
Gully					
Levee					
Short steep slope					
Blowout					
Borrow pit					
Clay spot					
Clayey depression					
Gravel pit					
Gravelly spot					
Landslide					
Loam blow					
Marsh or swamp					
Mine or quarry					
Miscellaneous water					
Potential water					
Rock outcrop					
Sandy spot					
Sandy spot					
Severely eroded spot					
Shallow					
Slide or slip					
Silt spot					
Spot area					
Stony spot					
Very stony spot					
Wet spot					
AD HOC FEATURES (describe on back)					
LINE	SYMBOL	LINE	SYMBOL	LINE	SYMBOL
1		22			
2		23			
3		24			
4		25			
5		26			
6		27			
7		28			
8		29			
9		30			
10		31			
11		32			
12		33			
13		34			
14		35			
15		36			
16		37			
17		38			
18		39			
19		40			
20		41			
21		42			
22		43			
CULTURAL FEATURES (Optional)					
BOUNDARIES					
✓ National, state or province					
✓ County or parish					
Minor civil division					
Reservation (federal or state owned or owned)					
1 mile of well survey (label) and/or denoted access areas					
Field sheet matching and reading					
Public Land Survey System Section Boundary					
Public Land Survey System Section Corner 'X'					
TRANSPORTATION					
Divided road					
Normally not shown					
Other road					
Normally not shown					
Traffic					
Normally not shown					
HOUSING (RESIDENCES)					
Intervale					
Federal					
State					
County, town or parish					
LOGGED OBJECTS					
Airport, airfield					
Cemetery					
Church					
Farmstead, house (not in urban areas)					
Lighthouse					
Leveled object (label)					
Lookout tower					
Oil and/or natural gas well					
Other Religion (label)					
School					
Soil sample site (compiled only not published)					
Tank (label)					
Windmill					
HYDROGRAPHIC FEATURES (Optional)					
Drainage end (Indicates direction of flow)					
Perennial stream					
Intermittent stream					
Unclassified stream					
Parasitic drainage or irrigation ditch					
Intermittent drainage or irrigation ditch					
Unclassified drainage or irrigation ditch					
Flood pool line					
Spring					
Well, artesian					
Well, irrigation					

General Soil Map Units

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

Soil Mapunit Symbol Conversion Legend of Hardin County, Illinois

Field Symbol	Publication Symbol
9	99F
9	99G
9	339D
9	339F
9	955F
9	955G
9	986F
9	986G
70	3070A
70	3070L
70	8070A
71	3071A
71	3071L
71	8071A
72	3072A
72	3072L
72	3331A
72	3331L
72	8072A
72	8331A
99F	99F
99G	99G
108	3108A
108	3108L
108	3334A
108	3334L
108	8108A
108	8334A
109	3108A
109	3108L
109	8109A
131A	131A
131A	7131A
131B	131B
131B	131B
131B	131C
131B	131C2
131B	7131B
131B	7131C2
131C	131B
131C	131C
131C	131C
131C	131C2
131C	131D2
131C	7131B
131C	7131C2
131C	7131D2
131C2	131C2
131D2	131C
131D2	131C2

Field Symbol	Publication Symbol
131D2	131D2
131D2	131D2
131D2	131E2
131D2	7131C2
131D2	7131D2
131E	131E
131E2	131D2
131E2	131E2
131E2	7131D2
131F	131E
131F	131F
131F	131F
164A	164A
164A	164B
164B	164A
164B	164B
164B	164B
164B	164C2
164C2	164B
164C2	164C2
165	165A
165A	165A
173B	7338A
175B	175B
175B	175B
175B	175C
175B	175C2
175B	175D2
175C	175C
175C2	175C2
175D2	175B
175D2	175C
175D2	175C2
175D2	175D2
175D2	175D2
180	3180A
180	3180L
180	8180A
214B	214B
214B	214B
214B	214C2
214B	5214B2
214B	5214C3
214C2	214B
214C2	214C2
214C2	214C2
214C2	214C3
214C2	214D2
214C2	214D3
214C2	214D3

Field Symbol	Publication Symbol
214C2	5214B2
214C2	5214C3
214C3	214C3
214D2	214B
214D2	214C2
214D2	214C3
214D2	214D2
214D2	214D2
214D2	214D3
214D2	5214B2
214D2	5214C3
214D2	5214D3
214D3	214B
214D3	214C2
214D3	214C3
214D3	214D2
214D3	214D3
214D3	214D3
214D3	5214B2
214D3	5214C3
214D3	5214D3
214E2	214C2
214E2	214C3
214E2	214D2
214E2	214D3
214E2	308E2
214E2	308E3
214E2	5214C3
214E2	5214D3
214E3	214C2
214E3	214C3
214E3	214D2
214E3	214D3
214E3	308E2
214E3	308E3
214E3	5214C3
214E3	5214D3
214F2	214C2
214F2	214C3
214F2	214D2
214F2	214D3
214F2	308E
214F2	308E2
214F2	308E3
214F2	308F
214F2	5214C3
214F2	5214D3
288	3288A
288	3288L
288	3420A

Field Symbol	Publication Symbol
288	8288A
288	8420A
301B	301B
301B	301B
301B	301C2
301B	301C3
301B	335B
301B	339B
301B	5301B2
301B	5301C3
301C2	301B
301C2	301C2
301C2	301C2
301C2	301C3
301C2	301D2
301C2	301D3
301C2	339B
301C2	5301B2
301C2	5301C3
301C2	5301D3
301C3	301C3
301D2	301B
301D2	301C2
301D2	301C3
301D2	301D2
301D2	301D2
301D2	301D3
301D2	5301B2
301D2	5301C3
301D2	5301D3
301D3	301B
301D3	301C2
301D3	301C3
301D3	301D2
301D3	301D3
301D3	301D3
301D3	5301B2
301D3	5301C3
301D3	5301D3
301E2	301B
301E2	301C2
301E2	301C3
301E2	301D2
301E2	301D3
301E2	308E2
301E2	308E3
301E2	308F
301E2	5301B2
301E2	5301C3
301E2	5301D3

Soil Mapunit Symbol Conversion Legend of Hardin County, Illinois - continued

Field Symbol	Publication Symbol
301E3	301B
301E3	301C2
301E3	301C3
301E3	301D2
301E3	301D3
301E3	308E2
301E3	308E3
301E3	308F
301E3	5301B2
301E3	5301C3
301E3	5301D3
308B	308B
308B	308B
308B	308C2
308B	308C3
308B	453B
308B	453C2
308B	453C3
308B	5308B2
308B	5308C3
308C2	308B
308C2	308C2
308C2	308C2
308C2	308C3
308C2	308D2
308C2	308D3
308C2	453B
308C2	453C2
308C2	453C3
308C2	453D2
308C2	453D3
308C2	5308B2
308C2	5308C3
308C2	5308D3
308C2	5333A
308C3	308C3
308D2	308C2
308D2	308C3
308D2	308D2
308D2	308D3
308D2	453C2
308D2	453C3
308D2	453D2
308D2	453D3
308D2	5308C3
308D2	5308D3
308D2	5333A
308D3	308C2
308D3	308C3

Field Symbol	Publication Symbol
308D3	308D2
308D3	308D3
308D3	308D3
308D3	453C2
308D3	453C3
308D3	453D2
308D3	453D3
308D3	5308C3
308D3	5308D3
308D3	5333A
308E	308E
308E2	308C2
308E2	308C3
308E2	308D2
308E2	308D3
308E2	308E2
308E2	308E2
308E2	308E3
308E2	453C2
308E2	453C3
308E2	453D2
308E2	453D3
308E2	5308C3
308E2	5308D3
308E3	5333A
308E3	308C2
308E3	308C3
308E3	308D2
308E3	308D3
308E3	308E2
308E3	308E3
308E3	308E3
308E3	453C2
308E3	453C3
308E3	453D2
308E3	453D3
308E3	5308C3
308E3	5308D3
308E3	5333A
308F	308F
308F2	308D2
308F2	308D3
308F2	308E
308F2	308E2
308F2	308E3
308F2	308F
308F2	453C2
308F2	453C3
308F2	453D2
308F2	453D3

Field Symbol	Publication Symbol
308F2	5308D3
308F2	5308E3
308F2	5333A
331	3072A
331	3072L
331	3331A
331	3331L
331	8072A
331	8331A
333	3333A
333	3333L
333	3382A
333	3382L
333	8333A
333	8382A
335B	335B
339B	339B
339C	339C
339C2	339C2
339C3	339C3
339D	339D
339D2	339D2
339D3	339D3
339E	339B
339E	339C
339E	339C2
339E	339C3
339E	339D
339E	339D2
339E	339D3
339E	339F
339E3	339B
339E3	339C
339E3	339C2
339E3	339C3
339E3	339D
339E3	339D2
339E3	339D3
339F	339B
339F	339C
339F	339C2
339F	339C3
339F	339D
339F	339D2
339F	339D3
339F	339F
339F	339F
340B	340B
340C2	340C2

Field Symbol	Publication Symbol
340C3	340C3
340D	340D
340D2	339B
340D2	340B
340D2	340C2
340D2	340C3
340D2	340D
340D2	340D2
340D2	340D3
340D3	339B
340D3	340B
340D3	340C2
340D3	340C3
340D3	340D
340D3	340D2
340D3	340D3
340D3	340D3
340E2	339B
340E2	339F
340E2	340B
340E2	340C2
340E2	340C3
340E2	340D
340E2	340D2
340E2	340D3
340E3	339B
340E3	339F
340E3	340B
340E3	340C2
340E3	340C3
340E3	340D
340E3	340D2
340E3	340D3
340F2	339F
340F2	340C2
340F2	340C3
340F2	340D
340F2	340D2
340F2	340D3
382	3333A
382	3382A
382	3382L
382	8333A
382	8382A
422	3422A
422	3426A
422	8422A
422	8426A
426	3422A

Soil Mapunit Symbol Conversion Legend of Hardin County, Illinois - continued

Field Symbol	Publication Symbol
426	3426A
426	3426L
426	8422A
426	8426A
427	8427B
453B	453B
453C2	453C2
453C3	453C3
453D2	453D2
453D3	453D3
455	3449L
460	7460A
461A	7711A
461B	7711B
461B	7711B2
461C2	7711B
461C2	7711B2
462A	7462A
462B	7462B
462B	7462C2
462C2	7462B
462C2	7462C2
462C2	7462D2
462D2	7462C2
462D2	7462D2
462D3	7462C3
462D3	7462D3
463A	7463A
463B	7463B
463B	7463C2
463C2	7463B
463C2	7463C2
463D2	7463C2
463D2	7463D2
463E2	7463D2
463E2	7463E2
467C2	7122B
467C2	7122C2
467D2	7122C2
467D2	7122D2
469B	8469B
469B	8469C2
471D2	471D2
471D3	471D3
471F	471D2
471F	471D3
471F	471F
471F	471F
471F	471G
471G	471D2

Field Symbol	Publication Symbol
471G	471D3
471G	471F
471G	471G
471G	471G
536	536
597	3597A
597	3597L
597	8597A
598B	598B
598C	598C
598C2	598C2
598C3	598C3
598D	598B
598D	598C
598D	598C2
598D	598C3
598D	598D
598D	598D2
598D	8427B
598D2	598D2
598D3	598D3
598E2	598B
598E2	598C
598E2	598C2
598E2	598C3
598E2	598D2
598E2	954F
598E2	8427B
598E3	598C2
598E3	598C3
598E3	598D2
598E3	598D3
598E3	954F
598E3	8427B
598F2	598B
598F2	598C
598F2	598C2
598F2	598C3
598F2	598D2
598F2	598D3
598F2	954F
598F2	8427B
599D	599D
599E	599D
599E	599F
599E	8427B
599F	599D

Field Symbol	Publication Symbol
599F	599F
599F	599F
599F	599G
599F	8427B
599G	599D
599G	599F
599G	599G
599G	599G
599G	8427B
600	3597A
600	3597L
600	8597A
691C	691C
691C2	691C2
691D	691D
691D2	691D2
691E	691C
691E	691C2
691E	691D
691E	691D2
691E	691F
691F	691C
691F	691C2
691F	691D
691F	691D2
691F	691F
691F	691F
691F	691G
691G	691C
691G	691C2
691G	691D
691G	691D2
691G	691F
691G	691G
691G	691G
693	8693A
723	7483A
801	801B
801B	801B
802	802D
802D	802D
864	864
865	865
954D	954D
954D2	954D2
954E2	954D
954E2	954D2
954E2	954F
954E2	8427B
954F	954F

Field Symbol	Publication Symbol
954F2	954D
954F2	954D2
954F2	954F
954F2	8427B
955D	955D
955D2	955D2
955F	955D
955F	955D2
955F	955F
955F	955F
955F	955G
955F	8427B
955G	955D
955G	955D2
955G	955F
955G	955G
955G	955G
955G	8427B
986D	986D
986D2	986D2
986D3	986D3
986E	339C
986E	339C2
986E	339C3
986E	986D
986E	986D2
986E	986D3
986E	986F
986E	8427B
986F	339C
986F	339C2
986F	339C3
986F	955F
986F	955G
986F	986D
986F	986D2
986F	986D3
986F	986F
986F	986F
986F	986G
986F	8427B
986G	339C
986G	339C2
986G	339C3
986G	955F
986G	955G
986G	986D
986G	986D2
986G	986D3
986G	986F

Soil Mapunit Symbol Conversion Legend of Hardin County, Illinois - continued

Field Symbol	Publication Symbol						
986G	986G	3426A	3426A	7462B	7462B	8422A	8422A
986G	986G	3426L	3426L	7462C2	7462C2	8426A	8426A
986G	8427B	3449L	3449L	7462C3	7462C3	8427B	8427B
1843A	1843A	3597A	3597A	7462D2	7462D2	8469B	8469B
3070A	3070A	3597L	3597L	7462D3	7462D3	8469C2	8469C2
3070L	3070L	5214B2	5214B2	7463A	7463A	8597A	8597A
3071A	3071A	5214C3	5214C3	7463B	7463B	8693A	8693A
3071L	3071L	5214D3	5214D3	7463C2	7463C2	B.P.	801B
3072A	3072A	5301B2	5301B2	7463D2	7463D2	B.P.	802D
3072L	3072L	5301C3	5301C3	7463E2	7463E2	B.P.	W
3108A	3108A	5301D3	5301D3	7483A	7483A	C.F.L.	536
3108L	3108L	5308B2	5308B2	7711A	7711A	C.F.L.	801B
3180A	3180A	5308C3	5308C3	7711B	7711B	C.F.L.	802D
3180L	3180L	5308D3	5308D3	7711B2	7711B2	G.P.	864
3288A	3288A	5308E3	5308E3	8070A	8070A	G.P.	865
3288L	3288L	5333A	5333A	8071A	8071A	M.D.	536
3331A	3331A	7122B	7122B	8072A	8072A	M.D.	801B
3331L	3331L	7122C2	7122C2	8108A	8108A	M.D.	802D
3333A	3333A	7122D2	7122D2	8109A	8109A	MW	MW
3333L	3333L	7131A	7131A	8180A	8180A	W	MW
3334A	3334A	7131B	7131B	8288A	8288A	W	W
3334L	3334L	7131C2	7131C2	8331A	8331A	W108	1843A
3382A	3382A	7131D2	7131D2	8333A	8333A		
3382L	3382L	7338A	7338A	8334A	8334A		
3420A	3420A	7460A	7460A	8382A	8382A		
3422A	3422A	7462A	7462A	8420A	8420A		

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 Hardin County, Illinois

Map Symbol	Soil Name
954D	Alford-Baxter complex, 10 to 18 percent slopes
954D2	Alford-Baxter complex, 10 to 18 percent slopes, eroded
954F	Alford-Baxter complex, 18 to 35 percent slopes
308B	Alford silt loam, 2 to 5 percent slopes
308C2	Alford silt loam, 5 to 10 percent slopes, eroded
308C3	Alford silt loam, 5 to 10 percent slopes, severely eroded
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
5308B2	Alford silt loam, karst, 2 to 5 percent slopes, eroded
5308C3	Alford silt loam, karst, 5 to 10 percent slopes, severely eroded
5308D3	Alford silt loam, karst, 10 to 18 percent slopes, severely eroded
5308E3	Alford silt loam, karst, 18 to 25 percent slopes, severely eroded
131A	Alvin fine sandy loam, 0 to 2 percent slopes
7131A	Alvin fine sandy loam, 0 to 2 percent slopes, rarely flooded
131B	Alvin fine sandy loam, 2 to 5 percent slopes
7131B	Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded
131C	Alvin fine sandy loam, 5 to 10 percent slopes
131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded
7131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded
131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded
7131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded, rarely flooded
131E	Alvin fine sandy loam, 18 to 25 percent slopes
131E2	Alvin fine sandy loam, 18 to 25 percent slopes, eroded
131F	Alvin fine sandy loam, 25 to 35 percent slopes
3449L	Armiesburg-Sarpy complex, 0 to 2 percent slopes, frequently flooded, long duration
3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded
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
599D	Baxter gravelly silt loam, 10 to 18 percent slopes
599F	Baxter gravelly silt loam, 18 to 35 percent slopes
599G	Baxter gravelly silt loam, 35 to 70 percent slopes
691C	Beasley silt loam, 5 to 10 percent slopes
691C2	Beasley silt loam, 5 to 10 percent slopes, eroded
691D	Beasley silt loam, 10 to 18 percent slopes
691D2	Beasley silt loam, 10 to 18 percent slopes, eroded
691F	Beasley silt loam, 18 to 35 percent slopes
691G	Beasley silt loam, 35 to 70 percent slopes
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
598B	Bedford silt loam, 2 to 5 percent slopes
598C	Bedford silt loam, 5 to 10 percent slopes
598C2	Bedford silt loam, 5 to 10 percent slopes, eroded
598C3	Bedford silt loam, 5 to 10 percent slopes, severely eroded
598D	Bedford silt loam, 10 to 18 percent slopes
598D2	Bedford silt loam, 10 to 18 percent slopes, eroded

ALPHABETIC SOIL MAP LEGEND of Hardin County, Illinois - continued

Map Symbol	Soil Name
598D3	Bedford silt loam, 10 to 18 percent slopes, severely eroded
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
3382L	Belknap silt loam, 0 to 2 percent slopes, frequently flooded, long duration
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
3108L	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded, long duration
8108A	Bonnie silt loam, 0 to 2 percent slopes, occasionally flooded
8427B	Burnside silt loam, 1 to 4 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
471D2	Clarksville gravelly silt loam, 10 to 18 percent slopes, eroded
471D3	Clarksville gravelly silt loam, 10 to 18 percent slopes, severely eroded
471F	Clarksville gravelly silt loam, 25 to 35 percent slopes
471G	Clarksville gravelly silt loam, 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
8071A	Darwin clay, 0 to 2 percent slopes, occasionally flooded
3071A	Darwin silty clay, 0 to 2 percent slopes, frequently flooded
3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration
536	Dumps, mine
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded
3180L	Dupo silt loam, 0 to 2 percent slopes, frequently flooded, long duration
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded
8469B	Emma silty clay loam, 2 to 5 percent slopes, occasionally flooded
8469C2	Emma silty clay loam, 5 to 10 percent slopes, eroded, occasionally flooded
7460A	Ginat silt loam, 0 to 2 percent slopes, rarely flooded
301B	Grantsburg silt loam, 2 to 5 percent slopes
301C2	Grantsburg silt loam, 5 to 10 percent slopes, eroded
301C3	Grantsburg silt loam, 5 to 10 percent slopes, severely eroded
301D2	Grantsburg silt loam, 10 to 18 percent slopes, eroded
301D3	Grantsburg silt loam, 10 to 18 percent slopes, severely eroded
5301B2	Grantsburg silt loam, karst, 2 to 5 percent slopes, eroded
5301C3	Grantsburg silt loam, karst, 5 to 10 percent slopes, severely eroded
5301D3	Grantsburg silt loam, karst, 10 to 18 percent slopes, severely eroded
7711A	Hatfield silt loam, 0 to 2 percent slopes, rarely flooded
7711B2	Hatfield silt loam, 2 to 5 percent slopes, eroded, rarely flooded
7711B	Hatfield silt loam, 2 to 5 percent slopes, rarely flooded
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
7483A	Henshaw silt loam, 0 to 3 percent slopes, rarely flooded
214B	Hosmer silt loam, 2 to 5 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

ALPHABETIC SOIL MAP LEGEND of Hardin County, Illinois - continued

Map Symbol	Soil Name
214D3	Hosmer silt loam, 10 to 18 percent slopes, severely eroded
5214B2	Hosmer silt loam, karst, 2 to 5 percent slopes, eroded
5214C3	Hosmer silt loam, karst, 5 to 10 percent slopes, severely eroded
5214D3	Hosmer silt loam, karst, 10 to 18 percent slopes, severely eroded
7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded
8693A	Hurst silty clay loam, 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
8426A	Karnak silty clay, 0 to 2 percent slopes, occasionally flooded
175B	Lamont fine sandy loam, 2 to 5 percent slopes
175C	Lamont fine sandy loam, 5 to 10 percent slopes
175C2	Lamont fine sandy loam, 5 to 10 percent slopes, eroded
175D2	Lamont fine sandy loam, 10 to 18 percent slopes, eroded
MW	Miscellaneous Water
453B	Muren silt loam, 2 to 5 percent slopes
453C2	Muren silt loam, 5 to 10 percent slopes, eroded
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
955D	Muskingum and Berks soils, 10 to 18 percent slopes
955D2	Muskingum and Berks soils, 10 to 18 percent slopes, eroded
955F	Muskingum and Berks soils, 18 to 35 percent slopes
955G	Muskingum and Berks soils, 35 to 70 percent slopes
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
865	Pits, gravel
864	Pits, quarries
8109A	Racoon silt loam, 0 to 2 percent slopes, occasionally flooded
335B	Robbs silt loam, 1 to 4 percent slopes
99F	Sandstone and Limestone Rock Land, 18 to 35 percent slopes
99G	Sandstone and Limestone Rock Land, 35 to 90 percent slopes
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
3072L	Sharon silt loam, 0 to 3 percent slopes, frequently flooded, long duration
8072A	Sharon silt loam, 0 to 3 percent slopes, occasionally flooded
164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 5 percent slopes
164C2	Stoy silt loam, 5 to 10 percent slopes, eroded
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
3333L	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded, long duration

ALPHABETIC SOIL MAP LEGEND of Hardin County, Illinois - continued

Map Symbol	Soil Name
8333A	Wakeland silt loam, 0 to 2 percent slopes, occasionally flooded
5333A	Wakeland silt loam, karst, 0 to 2 percent slopes
W	Water
165A	Weir silt loam, 0 to 2 percent slopes
986D	Wellston-Berks complex, 10 to 18 percent slopes
986D2	Wellston-Berks complex, 10 to 18 percent slopes, eroded
986D3	Wellston-Berks complex, 10 to 18 percent slopes, severely eroded
986F	Wellston-Berks complex, 18 to 35 percent slopes
986G	Wellston-Berks complex, 35 to 70 percent slopes
339B	Wellston silt loam, 2 to 5 percent slopes
339C	Wellston silt loam, 5 to 10 percent slopes
339C2	Wellston silt loam, 5 to 10 percent slopes, eroded
339C3	Wellston silt loam, 5 to 10 percent slopes, severely eroded
339D	Wellston silt loam, 10 to 18 percent slopes
339D2	Wellston silt loam, 10 to 18 percent slopes, eroded
339D3	Wellston silt loam, 10 to 18 percent slopes, severely eroded
339F	Wellston silt loam, 18 to 35 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
7463D2	Wheeling silt loam, 10 to 18 percent slopes, eroded, rarely flooded
7463E2	Wheeling silt loam, 18 to 25 percent slopes, eroded, rarely flooded
340B	Zanesville silt loam, 2 to 5 percent slopes
340C2	Zanesville silt loam, 5 to 10 percent slopes, eroded
340C3	Zanesville silt loam, 5 to 10 percent slopes, severely eroded
340D	Zanesville silt loam, 10 to 18 percent slopes
340D2	Zanesville silt loam, 10 to 18 percent slopes, eroded
340D3	Zanesville silt loam, 10 to 18 percent slopes, severely eroded

NUMERICAL SOIL MAP LEGEND of Hardin County, Illinois

Map Symbol	Soil Name
99F	Sandstone and Limestone Rock Land, 18 to 35 percent slopes
99G	Sandstone and Limestone Rock Land, 35 to 90 percent slopes
131A	Alvin fine sandy loam, 0 to 2 percent slopes
131B	Alvin fine sandy loam, 2 to 5 percent slopes
131C	Alvin fine sandy loam, 5 to 10 percent slopes
131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded
131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded
131E	Alvin fine sandy loam, 18 to 25 percent slopes
131E2	Alvin fine sandy loam, 18 to 25 percent slopes, eroded
131F	Alvin fine sandy loam, 25 to 35 percent slopes
164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 5 percent slopes
164C2	Stoy silt loam, 5 to 10 percent slopes, eroded
165A	Weir silt loam, 0 to 2 percent slopes
175B	Lamont fine sandy loam, 2 to 5 percent slopes
175C	Lamont fine sandy loam, 5 to 10 percent slopes
175C2	Lamont fine sandy loam, 5 to 10 percent slopes, eroded
175D2	Lamont fine sandy loam, 10 to 18 percent slopes, eroded
214B	Hosmer silt loam, 2 to 5 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
301B	Grantsburg silt loam, 2 to 5 percent slopes
301C2	Grantsburg silt loam, 5 to 10 percent slopes, eroded
301C3	Grantsburg silt loam, 5 to 10 percent slopes, severely eroded
301D2	Grantsburg silt loam, 10 to 18 percent slopes, eroded
301D3	Grantsburg silt loam, 10 to 18 percent slopes, severely eroded
308B	Alford silt loam, 2 to 5 percent slopes
308C2	Alford silt loam, 5 to 10 percent slopes, eroded
308C3	Alford silt loam, 5 to 10 percent slopes, severely eroded
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
335B	Robbs silt loam, 1 to 4 percent slopes
339B	Wellston silt loam, 2 to 5 percent slopes
339C	Wellston silt loam, 5 to 10 percent slopes
339C2	Wellston silt loam, 5 to 10 percent slopes, eroded
339C3	Wellston silt loam, 5 to 10 percent slopes, severely eroded
339D	Wellston silt loam, 10 to 18 percent slopes
339D2	Wellston silt loam, 10 to 18 percent slopes, eroded
339D3	Wellston silt loam, 10 to 18 percent slopes, severely eroded
339F	Wellston silt loam, 18 to 35 percent slopes
340B	Zanesville silt loam, 2 to 5 percent slopes
340C2	Zanesville silt loam, 5 to 10 percent slopes, eroded
340C3	Zanesville silt loam, 5 to 10 percent slopes, severely eroded
340D	Zanesville silt loam, 10 to 18 percent slopes

NUMERICAL SOIL MAP LEGEND of Hardin County, Illinois – continued

Map Symbol	Soil Name
340D2	Zanesville silt loam, 10 to 18 percent slopes, eroded
340D3	Zanesville silt loam, 10 to 18 percent slopes, severely eroded
453B	Muren silt loam, 2 to 5 percent slopes
453C2	Muren silt loam, 5 to 10 percent slopes, eroded
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
471D2	Clarksville gravelly silt loam, 10 to 18 percent slopes, eroded
471D3	Clarksville gravelly silt loam, 10 to 18 percent slopes, severely eroded
471F	Clarksville gravelly silt loam, 25 to 35 percent slopes
471G	Clarksville gravelly silt loam, 35 to 70 percent slopes
536	Dumps, mine
598B	Bedford silt loam, 2 to 5 percent slopes
598C	Bedford silt loam, 5 to 10 percent slopes
598C2	Bedford silt loam, 5 to 10 percent slopes, eroded
598C3	Bedford silt loam, 5 to 10 percent slopes, severely eroded
598D	Bedford silt loam, 10 to 18 percent slopes
598D2	Bedford silt loam, 10 to 18 percent slopes, eroded
598D3	Bedford silt loam, 10 to 18 percent slopes, severely eroded
599D	Baxter gravelly silt loam, 10 to 18 percent slopes
599F	Baxter gravelly silt loam, 18 to 35 percent slopes
599G	Baxter gravelly silt loam, 35 to 70 percent slopes
691C	Beasley silt loam, 5 to 10 percent slopes
691C2	Beasley silt loam, 5 to 10 percent slopes, eroded
691D	Beasley silt loam, 10 to 18 percent slopes
691D2	Beasley silt loam, 10 to 18 percent slopes, eroded
691F	Beasley silt loam, 18 to 35 percent slopes
691G	Beasley silt loam, 35 to 70 percent slopes
801B	Orthents, silty, undulating
802D	Orthents, loamy, hilly
864	Pits, quarries
865	Pits, gravel
954D	Alford-Baxter complex, 10 to 18 percent slopes
954D2	Alford-Baxter complex, 10 to 18 percent slopes, eroded
954F	Alford-Baxter complex, 18 to 35 percent slopes
955D	Muskingum and Berks soils, 10 to 18 percent slopes
955D2	Muskingum and Berks soils, 10 to 18 percent slopes, eroded
955F	Muskingum and Berks soils, 18 to 35 percent slopes
955G	Muskingum and Berks soils, 35 to 70 percent slopes
986D	Wellston-Berks complex, 10 to 18 percent slopes
986D2	Wellston-Berks complex, 10 to 18 percent slopes, eroded
986D3	Wellston-Berks complex, 10 to 18 percent slopes, severely eroded
986F	Wellston-Berks complex, 18 to 35 percent slopes
986G	Wellston-Berks complex, 35 to 70 percent slopes
1843A	Bonnie and Petrolia soils, 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
3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration
3072A	Sharon silt loam, 0 to 3 percent slopes, frequently flooded

NUMERICAL SOIL MAP LEGEND of Hardin County, Illinois – continued

Map Symbol	Soil Name
3072L	Sharon silt loam, 0 to 3 percent slopes, frequently flooded, long duration
3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded
3108L	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded, long duration
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded
3180L	Dupo silt 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
3382L	Belknap silt loam, 0 to 2 percent slopes, frequently flooded, long duration
3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded
3422A	Cape silty clay loam, 0 to 2 percent slopes, frequently 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
3449L	Armiesburg-Sarpy complex, 0 to 2 percent slopes, frequently flooded, long duration
3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded
3597L	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration
5214B2	Hosmer silt loam, karst, 2 to 5 percent slopes, eroded
5214C3	Hosmer silt loam, karst, 5 to 10 percent slopes, severely eroded
5214D3	Hosmer silt loam, karst, 10 to 18 percent slopes, severely eroded
5301B2	Grantsburg silt loam, karst, 2 to 5 percent slopes, eroded
5301C3	Grantsburg silt loam, karst, 5 to 10 percent slopes, severely eroded
5301D3	Grantsburg silt loam, karst, 10 to 18 percent slopes, severely eroded
5308B2	Alford silt loam, karst, 2 to 5 percent slopes, eroded
5308C3	Alford silt loam, karst, 5 to 10 percent slopes, severely eroded
5308D3	Alford silt loam, karst, 10 to 18 percent slopes, severely eroded
5308E3	Alford silt loam, karst, 18 to 25 percent slopes, severely eroded
5333A	Wakeland silt loam, karst, 0 to 2 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
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
7131D2	Alvin fine sandy loam, 10 to 18 percent slopes, eroded, rarely flooded
7338A	Hurst silt 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

NUMERICAL SOIL MAP LEGEND of Hardin County, Illinois – continued

Map Symbol	Soil Name
7463C2	Wheeling silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7463D2	Wheeling silt loam, 10 to 18 percent slopes, eroded, rarely flooded
7463E2	Wheeling silt loam, 18 to 25 percent slopes, eroded, rarely flooded
7483A	Henshaw silt loam, 0 to 3 percent slopes, rarely flooded
7711A	Hatfield silt loam, 0 to 2 percent slopes, rarely flooded
7711B	Hatfield silt loam, 2 to 5 percent slopes, rarely flooded
7711B2	Hatfield silt loam, 2 to 5 percent slopes, eroded, rarely flooded
8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded
8071A	Darwin clay, 0 to 2 percent slopes, occasionally flooded
8072A	Sharon silt loam, 0 to 3 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
8180A	Dupo silt 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
8426A	Karnak silty clay, 0 to 2 percent slopes, occasionally flooded
8427B	Burnside silt loam, 1 to 4 percent slopes, occasionally flooded
8469B	Emma silty clay loam, 2 to 5 percent slopes, occasionally flooded
8469C2	Emma silty clay loam, 5 to 10 percent slopes, eroded, occasionally flooded
8597A	Armiesburg silty clay loam, 0 to 2 percent slopes, occasionally flooded
8693A	Hurst silty clay loam, 0 to 2 percent slopes, occasionally flooded
MW	Miscellaneous Water
W	Water

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

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 map units 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 goes to D	
E goes to D	
F goes to E	F 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 mapscale.
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
Hardin 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.

Prefix	Description	Suffix	Description
1	undrained, frequently flooded	L	Long duration
3	Frequently flooded		
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
Hardin County, Illinois**

Map Symbol	Map Unit Name	Mapunit History Notes
99F	Sandstone and Limestone Rock Land, 18 to 35 percent slopes	Correlated sandstone and shale rock outcrop (9) and limestone rock outcrop (94) to and undifferentiated mapping unit of Sandstone and Limestone Rock Land.
99G	Sandstone and Limestone Rock Land, 35 to 90 percent slopes	Correlated sandstone and shale rock outcrop (9) and limestone rock outcrop (94) to and undifferentiated mapping unit of Sandstone and Limestone Rock Land.
335B	Robbs silt loam, 1 to 4 percent slopes	A few areas originally mapped Grantsburg (301B) are correlated to Robbs (335B). These areas are concave and often show up as A slopes on the slope maps.
453B	Muren silt loam, 2 to 5 percent slopes	Muren soils were correlated from soils previously mapped as Alford in the published soil surveys. Muren soils occur on lower positions of backslopes and footslopes of simple and complex slopes where the slope becomes concave.
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.
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.
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.
3071L	Darwin silty clay, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Darwin (071) in the published soil survey.
3072A	Sharon silt loam, 0 to 3 percent slopes, frequently flooded	Soils were originally mapped as Sharon (072) in the published soil survey.
3072L	Sharon silt loam, 0 to 3 percent slopes, frequently flooded, long duration	Soils were originally mapped as Sharon (072) in the published soil survey.
3180A	Dupo silt loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Dupo (180) in the published soil survey.
3180L	Dupo silt loam, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Dupo (180) in the published soil survey.
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Petrolia (288) in the published soil survey.
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.
3331A	Haymond silt loam, 0 to 3 percent slopes, frequently flooded	Soils were originally mapped as Haymond (331) in the published soil survey.
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.
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Wakeland (333) in the published soil survey.
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.
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Bonnie (108) in the published soil survey. This update correlates some of the Bonnie (108) to Birds (3334A).

Mapunit History Notes for Hardin County - continued

Map Symbol	Map Unit Name	Mapunit History Notes
3334L	Birds silt loam, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Bonnie (108) in the published soil survey. This update correlates some of the Bonnie (108) to Birds (3334L).
3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Petrolia (288) in the published soil survey. Some of the non-acid Petrolia (288) soils in this update are correlated to acid Piopolis (3420A).
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.
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.
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.
3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded	Soils were originally mapped as Armiesburg (597) and Huntington (600) in the published soil survey. This update correlates some of the Armiesburg and Huntington (600) soils to Armiesburg (3597A) soils.
3597L	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded, long duration	Soils were originally mapped as Armiesburg (597) and Huntington (600) in the published soil survey. This update correlates some of the Armiesburg and Huntington (600) soils to Armiesburg (3597L) soils.
5333A	Wakeland silt loam, karst, 0 to 2 percent slopes	New map unit created for karst soil areas in the Southern 7. Correlated any sinks in karst units big enough to delineate to 5333A.
7122B	Colp silt loam, 2 to 5 percent slopes, rarely flooded	Soils were originally mapped as Markland (467) soils in the published soil survey. In this update the Markland soils are correlated to Colp (122).
7122C2	Colp silt loam, 5 to 10 percent slopes, eroded, rarely flooded	Soils were originally mapped as Markland (467) soils in the published soil survey. In this update the Markland soils are correlated to Colp (122).
7122D2	Colp silt loam, 10 to 18 percent slopes, eroded, rarely flooded	Soils were originally mapped as Markland (467) soils in the published soil survey. In this update the Markland soils are correlated to Colp (122).
7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded	Soils were originally mapped as McGary (173) soils in the published soil survey. In this update the McGary (173) soils are correlated to Hurst (338) silt loam.
7462A	Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded	Soils were originally mapped as Sciotoville (462) in the published soil survey. This update correlates Sciotoville (462) as a taxadjunct to the Sciotoville series. The soils mapped as Sciotoville in the Southern 7 counties have a fragic horizon, not a well developed fragipan like the established series and are classified as Fragiaquic Hapludalfs.

Mapunit History Notes for Hardin County - continued

Map Symbol	Map Unit Name	Mapunit History Notes
7462B	Sciotoville silt loam, 2 to 5 percent slopes, rarely flooded	Soils were originally mapped as Sciotoville (462) in the published soil survey. This update correlates Sciotoville (462) as a taxadjunct to the Sciotoville series. The soils mapped as Sciotoville in the Southern 7 counties have a fragic horizon, not a well developed fragipan like the established series and are classified as Fragiaquic Hapludalfs.
7462C2	Sciotoville silt loam, 5 to 10 percent slopes, eroded, rarely flooded	Soils were originally mapped as Sciotoville (462) in the published soil survey. This update correlates Sciotoville (462) as a taxadjunct to the Sciotoville series. The soils mapped as Sciotoville in the Southern 7 counties have a fragic horizon, not a well developed fragipan like the established series and are classified as Fragiaquic Hapludalfs.
7462C3	Sciotoville silt loam, 5 to 10 percent slopes, severely eroded, rarely flooded	Soils were originally mapped as Sciotoville (462) in the published soil survey. This update correlates Sciotoville (462) as a taxadjunct to the Sciotoville series. The soils mapped as Sciotoville in the Southern 7 counties have a fragic horizon, not a well developed fragipan like the established series and are classified as Fragiaquic Hapludalfs.
7462D2	Sciotoville silt loam, 10 to 18 percent slopes, eroded, rarely flooded	Soils were originally mapped as Sciotoville (462) in the published soil survey. This update correlates Sciotoville (462) as a taxadjunct to the Sciotoville series. The soils mapped as Sciotoville in the Southern 7 counties have a fragic horizon, not a well developed fragipan like the established series and are classified as Fragiaquic Hapludalfs.
7462D3	Sciotoville silt loam, 10 to 18 percent slopes, severely eroded, rarely flooded	Soils were originally mapped as Sciotoville (462) in the published soil survey. This update correlates Sciotoville (462) as a taxadjunct to the Sciotoville series. The soils mapped as Sciotoville in the Southern 7 counties have a fragic horizon, not a well developed fragipan like the established series and are classified as Fragiaquic Hapludalfs.
7483A	Henshaw silt loam, 0 to 3 percent slopes, rarely flooded	Soils were originally mapped as Reesville (723) in the published soil survey. In this update the Reesville (723) soils are correlated to Henshaw (483) soils.
7711A	Hatfield silt loam, 0 to 2 percent slopes, rarely flooded	Soils were originally mapped as Weinbach (461) in the published soil survey. In this update the Weinbach (461) soils are correlated to Hatfield (711) soils.
7711B	Hatfield silt loam, 2 to 5 percent slopes, rarely flooded	Soils were originally mapped as Weinbach (461) in the published soil survey. In this update the Weinbach (461) soils are correlated to Hatfield (711) soils.
7711B2	Hatfield silt loam, 2 to 5 percent slopes, eroded, rarely flooded	Soils were originally mapped as Weinbach (461) in the published soil survey. In this update the Weinbach (461) soils are correlated to Hatfield (711) soils.
8070A	Beaucoup silty clay loam, 0 to 2 percent slopes, occasionally flooded	Soils were originally mapped as Beaucoup (70) in the published soil survey. Some of the soils in this update are correlated to Beaucoup, 8070A.

Mapunit History Notes for Hardin County - continued

Map Symbol	Map Unit Name	Mapunit History Notes
8071A	Darwin clay, 0 to 2 percent slopes, occasionally flooded	Soils were originally mapped as Darwin (71) in the published soil survey. Some of the soils in this update are correlated to Darwin, 8071A.
8072A	Sharon silt loam, 0 to 3 percent slopes, occasionally flooded	Soils were originally mapped as Sharon (072) in the published soil survey. This update correlates some of the Sharon soils found in the upland drains to Sharon 8072A.
8180A	Dupo silt loam, 0 to 2 percent slopes, occasionally flooded	Soils were originally mapped as Dupo (180) in the published soil survey. Some of the soils in this update are correlated to Dupo, 8180A.
8334A	Birds silt loam, 0 to 2 percent slopes, occasionally flooded	Soils were originally mapped as Bonnie (108) in the published soil survey. This update correlates some of the Bonnie (108) mapped in the upland drains to Birds 8334A.
8420A	Piopolis silty clay loam, 0 to 3 percent slopes, occasionally flooded	Soils were originally mapped as Petrolia (288) in the published soil survey. Some of the non-acid Petrolia (288) soils in this update are correlated to acid Piopolis (8420A).
8426A	Karnak silty clay, 0 to 2 percent slopes, occasionally flooded	Soils were originally mapped as Karnak (426) in the published soil survey. Some of the soils in this update are correlated to Karnak, 8426A.
8597A	Armiesburg silty clay loam, 0 to 2 percent slopes, occasionally flooded	Soils were originally mapped as Armiesburg (597) and Huntington (600) soils in the published soil survey. This update correlates some of the Armiesburg (597) and Huntington (600) soils to Armiesburg (8597A).

Hardin 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.
Baxter	The typical pedon is from Union County, Illinois.
Beasley	The typical pedon is from Pope County, Illinois.
Beaucoup	The typical pedon is from Monroe County, Illinois.
Bedford	The typical pedon is from Hardin County, Illinois.
Belknap	The typical pedon is from Massac County, Illinois
Berks	The typical pedon is from Massac County, Illinois
Birds	The typical pedon is from Madison County, Illinois. 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.
Burnside	The typical pedon is from Johnson County, Illinois.
Cape	The typical pedon is from Saline County, Illinois (OSD location).
Clarksville	The typical pedon is from Hardin County, Illinois.
Colp	The typical pedon is 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). SCS analyzed at the University of Illinois Soils Lab data from sample S72IL-91-15 (1-8)sampled as Unnamed and correlated to Dupo.
Emma	The typical pedon is from Gallatin County, Illinois.
Ginat	The typical pedon is from Pope County, Illinois.
Grantsburg	The typical pedon is from Pope County, Illinois (OSD type location).
Hatfield	Weinbach correlated to Hatfield. Type location is the same location as Weinbach in Massac County, Illinois.
Haymond	The typical pedon is from Union County, Illinois. University of Illinois Department of Transportation Engineering Test data from sample 75IL091-4-1 sampled and correlated as Haymond.
Henshaw	Reesville soils correlated to Henshaw. The typical pedon is from White County, Illinois.

Hardin County Correlation Notes by Soil Series - continued

SERIES NAME	SERIES NOTES
Hosmer	The typical pedon is from Union County, Illinois. 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.
Karnak	The typical pedon is from Massac County, Illinois (OSD type location).
Lamont	The typical pedon is from Massac County, Illinois.
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.
Muskingum	The typical pedon is from Pope County, Illinois.
Petrolia	The typical pedon is from Clinton County, Illinois.
Piopolis	The typical pedon is from Hamilton County, Illinois (OSD type location).
Raccoon	The typical pedon is from Saline County, Illinois (OSD type location).
Robbs	The typical pedon is from Johnson County, Illinois.
Sarpy	The typical pedon is from Monroe County, Illinois.
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 Fragiaquic Hapludalfs.
Sharon	The typical pedon is from Williamson County, Illinois (OSD type location).
Stoy	The typical pedon is from Gallatin County, Illinois (OSD type location). Stoy soils have fragic properties.
Wakeland	The typical pedon is from Madison County, Illinois.
Weir	The typical pedon is from Massac County, Illinois.
Wellston	The typical pedon is from Randolph County, Illinois.
Wheeling	The typical pedon is from Massac County, Illinois.
Zanesville	The typical pedon is from Pope County, Illinois.

Classification of the Soils of Hardin 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
Beasley-----	Fine, mixed, active, mesic Typic Hapludalfs
Beaucoup-----	Fine-silty, mixed, superactive, mesic Fluvaquentic Endoaquolls
Bedford-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Belknap-----	Coarse-silty, mixed, active, acid, mesic Fluvaquentic Endoaquepts
Berks-----	Loamy-skeletal, mixed, active, mesic Typic Dystrudepts
Birds-----	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Bonnie-----	Fine-silty, mixed, active, acid, mesic Typic Fluvaquents
Burnside-----	Loamy-skeletal, mixed, active, mesic Oxyaquic Dystrudepts
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
Emma-----	Fine-silty, mixed, active, mesic Oxyaquic Dystrudepts
Ginat-----	Fine-silty, mixed, active, mesic Typic Endoaqualfs
Grantsburg-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Hatfield-----	Fine-silty, mixed, active, mesic Aeric Fragic Epiaqualfs
Haymond-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Henshaw-----	Fine-silty, mixed, active, mesic Aquic Hapludalfs
Hosmer-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Hurst-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Karnak-----	Fine, smectitic, nonacid, mesic Vertic Endoaquepts
Lamont-----	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Muren-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Muskingum-----	Fine-loamy, mixed, semiactive, mesic Typic Dystrudepts
¹ Orthents, loamy-----	Fine-loamy, mixed, active, nonacid, mesic Typic Udorthents
² 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
Raccoon-----	Fine-silty, mixed, superactive, mesic Typic Endoaqualfs
Robbs-----	Fine-silty, mixed, active, mesic Aquic Fragiudalfs
Sarpy-----	Mixed, mesic Typic Udipsamments
³ *Sciotoville-----	Fine-silty, mixed, active, mesic Fraguaquic Hapludalfs
Sharon-----	Coarse-silty, mixed, active, acid, mesic Oxyaquic Udifluvents
Stoy-----	Fine-silty, mixed, superactive, mesic Fraguaquic Hapludalfs
Wakeland-----	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Weir-----	Fine, smectitic, mesic Typic Endoaqualfs
Wellston-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Wheeling-----	Fine-loamy, mixed, active, mesic Ultic Hapludalfs
Zanesville-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs

¹ Loamy Orthents are usually cut and fill areas on uplands. They are mainly borrow pits and fill areas.

² Silty Orthents are usually the levees along the Ohio River.

³ Sciotoville soils do not have a fragipan. These soils have fragic soil properties in the series control section.

Certification Statement

The MLRA Region 11 Team Leader certifies that:

- a. The fieldwork activities were completed in November 2000.
- b. Hardin County joins Pope County to the west, Saline County to the northwest and Gallatin County to the north. It is bounded by the Ohio River on the east and south.

Pope County - Update in progress-exact join when the updates are complete.
Gallatin County – Modern soil survey (1969)
Saline County – Modern soil survey (1978)
- 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 120. Not all typical pedons are located in Hardin County but are within other subsets of the MLRA.
- 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:

Travis Neely
Team Leader, MLRA Region 11
Indianapolis, Indiana

Date

William J. Gradle
State Conservationist
Champaign, Illinois

Date