

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

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

A Subset of MLRA 113 and 115A

June 2006

This correlation was prepared by Sam Indorante, MLRA Project Leader, NRCS, Carbondale, Illinois; Dwayne Williams, Soil Scientist, NRCS, Carbondale, Illinois; and Bryan Fitch, Soil Scientist, NRCS; Gary Struben, Soil Data Quality Specialist (SDQS), MLRA Region 11, Indianapolis, Indiana. John Doll, Soil Scientist, NRCS, Champaign, Illinois, provided a complete technical review of the draft document. Jon Bathgate, GIS Specialist, NRCS,; Matt McCauley, Resource Soil Scientist, NRCS, provided information relating to the recorrelation of the soils in White County, a subset of MLRA 113 and 115A.

Decisions were based on the documentation of field investigations, transect data, field notes, pedon descriptions, survey field notes, special studies and laboratory data gathered during the most recent “once over” mapping of the county. The published White County soil maps, the descriptive legend in the “Classification and Correlation of the Soils of White County, Illinois” – January 1991, and the text and tables in the published White County Soil Survey Report (also designated as Illinois Agricultural Experiment Station Report No. 152) – September 1996 provided the basis for this legend. Most of the changes in map unit symbols and map unit names are made in order to bring the previous correlated legend into compliance with the MLRA update legends for MLRA 113 and MLRA 115A.

Headnote for detailed soil survey legend:

This update of White County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Areas (MLRA) 113 and 115A. Map units and their symbols and special and conventional symbols are consistent between subsets that are being updated. Most mapunit symbols consist of a combination of numbers and letters. The initial numbers represent the kind of soil. A capital letter following those numbers indicates the class of slope, except for the letter “L”, which indicates long duration flooding. A final number of 2 following the slope letter indicates that the soil is moderately eroded, and a number 3 indicates that it is severely eroded. Absence of a number following the slope class indicates that the soil is slightly eroded or non-eroded. Map units without a capital letter are miscellaneous areas.

Soil Correlation of White County, Illinois

Most the changes in this legend represent changes in map unit symbols and map unit names. These changes were made in order to bring the previous correlated legend into compliance with the MLRA update legends for MLRA 113 and 115A.

Field symbols	Field map unit name	Publication symbol	Approved map unit name
2 2A	Cisne silt loam Cisne silt loam, 0 to 2 percent slopes	2A	Cisne silt loam, 0 to 2 percent slopes
3A	Hoyleton silt loam, 0 to 2 percent slopes	3A	Hoyleton silt loam, 0 to 2 percent slopes
3B	Hoyleton silt loam, 2 to 5 percent slopes	3B	Hoyleton silt loam, 2 to 5 percent slopes
8D2 8D2	Hickory silt loam, 10 to 18 percent slopes, eroded Hickory loam, 10 to 18 percent slopes, eroded	8D2	Hickory silt loam, 10 to 18 percent slopes, eroded
8F 8F	Hickory loam, 18 to 30 percent slopes Hickory silt loam, 18 to 35 percent slopes	8F	Hickory silt loam, 18 to 35 percent slopes
12 12A	Wynoose silt loam Wynoose silt loam, 0 to 2 percent slopes	12A	Wynoose silt loam, 0 to 2 percent slopes
13A	Bluford silt loam, 0 to 2 percent slopes	13A	Bluford silt loam, 0 to 2 percent slopes
13B	Bluford silt loam, 2 to 5 percent slopes	13B	Bluford silt loam, 2 to 5 percent slopes
13B2	Bluford silt loam, 2 to 5 percent slopes, eroded	13B2	Bluford silt loam, 2 to 5 percent slopes, eroded
14B	Ava silt loam, 2 to 5 percent slopes	14B	Ava silt loam, 2 to 5 percent slopes
14B2	Ava silt loam, 2 to 5 percent slopes, eroded	14B2	Ava silt loam, 2 to 5 percent slopes, eroded
14C2	Ava silt loam, 5 to 10 percent slopes, eroded	14C2	Ava silt loam, 5 to 10 percent slopes, eroded
14C3	Ava silty clay loam, 5 to 10 percent slopes, severely eroded	14C3	Ava silty clay loam, 5 to 10 percent slopes, severely eroded
15B	Parke silt loam, 2 to 5 percent slopes	15B	Parke silt loam, 2 to 5 percent slopes
15C2	Parke silt loam, 5 to 10 percent slopes, eroded	15C2	Parke silt loam, 5 to 10 percent slopes, eroded
15D2	Parke silt loam, 10 to 18 percent slopes, eroded	15D2	Parke silt loam, 10 to 18 percent slopes, eroded
19F 19F	Sylvan silt loam, 18 to 35 percent slopes Sylvan silt loam, 18 to 30 percent slopes	19F	Sylvan silt loam, 18 to 35 percent slopes
53B	Bloomfield fine sand, 1 to 5 percent slopes	53B	Bloomfield fine sand, 1 to 5 percent slopes
53C	Bloomfield fine sand, 5 to 10 percent slopes	53C	Bloomfield fine sand, 5 to 10 percent slopes

53D	Bloomfield fine sand, 10 to 18 percent slopes	53D	Bloomfield fine sand, 10 to 18 percent slopes
75B	Drury silt loam, 2 to 5 percent slopes	75B	Drury silt loam, 2 to 5 percent slopes
87A	Dickinson fine sandy loam, 0 to 2 percent slopes	87A	Dickinson fine sandy loam, 0 to 2 percent slopes
87B	Dickinson fine sandy loam, 2 to 5 percent slopes	87B	Dickinson fine sandy loam, 2 to 5 percent slopes
109	Racoon silt loam	109A	Racoon silt loam, 0 to 2 percent slopes
109A	Racoon silt loam, 0 to 2 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
131C	Alvin fine sandy loam, 5 to 10 percent slopes	131C	Alvin fine sandy loam, 5 to 10 percent slopes
131F	Alvin fine sandy loam, 18 to 35 percent slopes	131F	Alvin fine sandy loam, 18 to 35 percent slopes
131F	Alvin fine sandy loam, 18 to 30 percent slopes		
142	Patton silty clay loam	142A	Patton silty clay loam, 0 to 2 percent slopes
142A	Patton silty clay loam, 0 to 2 percent slopes		
142+	Patton silt loam, overwash	142A+	Patton silt loam, overwash, 0 to 2 percent slopes
142A+	Patton silt loam, overwash, 0 to 2 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 5 percent slopes	164B	Stoy silt loam, 2 to 5 percent slopes
165	Weir silt loam	165A	Weir silt loam, 0 to 2 percent slopes
165A	Weir silt loam, 0 to 2 percent slopes		
173A	McGary silt loam, 0 to 2 percent slopes	173A	McGary silt loam, 0 to 2 percent slopes
173B2	McGary silt loam, 2 to 5 percent slopes, eroded	173B2	McGary silt loam, 2 to 5 percent slopes, eroded
176	Marissa silt loam	176A	Marissa silt loam, 0 to 2 percent slopes
176A	Marissa silt loam, 0 to 2 percent slopes		
178	Ruark loam	178A	Ruark loam, 0 to 2 percent slopes
178A	Ruark loam, 0 to 2 percent slopes		
184	Roby fine sandy loam	184A	Roby fine sandy loam, 0 to 2 percent slopes
184A	Roby fine sandy loam, 0 to 2 percent slopes		
208	Sexton silt loam	208A	Sexton silt loam, 0 to 2 percent slopes
208A	Sexton silt loam, 0 to 2 percent slopes		
214B	Hosmer silt loam, 2 to 5 percent slopes	214B	Hosmer silt loam, 2 to 5 percent slopes

214B2	Hosmer silt loam, 2 to 5 percent slopes, eroded	214B2	Hosmer silt loam, 2 to 5 percent slopes, eroded
214C2	Hosmer silt loam, 5 to 10 percent slopes, eroded	214C2	Hosmer silt loam, 5 to 10 percent slopes, eroded
214C3	Hosmer silty clay loam, 5 to 10 percent slopes, severely eroded	214C3	Hosmer silty clay loam, 5 to 10 percent slopes, severely eroded
231	Evansville silt loam	231A	Evansville silt loam, 0 to 2 percent slopes
231A	Evansville silt loam, 0 to 2 percent slopes		
301B	Grantsburg silt loam, 2 to 5 percent slopes	301B	Grantsburg silt loam, 2 to 5 percent slopes
308B	Alford silt loam, 2 to 5 percent slopes	308B	Alford silt loam, 2 to 5 percent slopes
308B2	Alford silt loam, 2 to 5 percent slopes, eroded	308B2	Alford silt loam, 2 to 5 percent slopes, eroded
308C2	Alford silt loam, 5 to 10 percent slopes, eroded	308C2	Alford silt loam, 5 to 10 percent slopes, eroded
308C3	Alford silty clay loam, 5 to 10 percent slopes, severely eroded	308C3	Alford silty clay loam, 5 to 10 percent slopes, severely eroded
308D2	Alford silt loam, 10 to 18 percent slopes, eroded	308D2	Alford silt loam, 10 to 18 percent slopes, eroded
308D3	Alford silty clay loam, 10 to 18 percent slopes, severely eroded	308D3	Alford silty clay loam, 10 to 18 percent slopes, severely eroded
337	Creal silt loam	337A	Creal silt loam, 0 to 2 percent slopes
337A	Creal silt loam, 0 to 2 percent slopes		
339F	Wellston silt loam, 18 to 35 percent slopes	339F	Wellston silt loam, 18 to 35 percent slopes
339F	Wellston silt loam, 18 to 30 percent slopes		
340C2	Zanesville silt loam, 5 to 10 percent slopes, eroded	340C2	Zanesville silt loam, 5 to 10 percent slopes, eroded
340C3	Zanesville silty clay loam, 5 to 10 percent slopes, severely eroded	340C3	Zanesville silty clay loam, 5 to 10 percent slopes, severely eroded
340C3	Zanesville silt loam, 5 to 10 percent slopes, severely eroded		
340D2	Zanesville silt loam, 10 to 18 percent slopes, eroded	340D2	Zanesville silt loam, 10 to 18 percent slopes, eroded
340D3	Zanesville silt loam, 10 to 18 percent slopes, severely eroded	340D3	Zanesville silty clay loam, 10 to 18 percent slopes, severely eroded
340D3	Zanesville silty clay loam, 10 to 18 percent slopes, severely eroded		
434A	Ridgway silt loam, 0 to 2 percent slopes	434A	Ridgway silt loam, 0 to 2 percent slopes
434B	Ridgway silt loam, 2 to 5 percent slopes	434B	Ridgway silt loam, 2 to 5 percent slopes
434C2	Ridgway silt loam, 5 to 10 percent slopes, eroded	434C2	Ridgway silt loam, 5 to 10 percent slopes, eroded

436A	Meadowbank silt loam, 0 to 2 percent slopes	436A	Meadowbank silt loam, 0 to 2 percent slopes
436B	Meadowbank silt loam, 2 to 5 percent slopes	436B	Meadowbank silt loam, 2 to 5 percent slopes
445 445A	Newhaven loam Newhaven loam, 0 to 2 percent slopes	445A	Newhaven loam, 0 to 2 percent slopes
446 446A	Springerton loam Springerton loam, 0 to 2 percent slopes	446A	Springerton loam, 0 to 2 percent slopes
453B	Muren silt loam, 2 to 5 percent slopes	453B	Muren silt loam, 2 to 5 percent slopes
467B2	Markland silt loam, 2 to 5 percent slopes, eroded	467B2	Markland silt loam, 2 to 5 percent slopes, eroded
467C2	Markland silt loam, 5 to 10 percent slopes, eroded	467C2	Markland silt loam, 5 to 10 percent slopes, eroded
467C3	Markland silty clay loam, 5 to 10 percent slopes, severely eroded	467C3	Markland silty clay loam, 5 to 10 percent slopes, severely eroded
482B	Uniontown silt loam, 2 to 5 percent slopes	482B	Uniontown silt loam, 2 to 5 percent slopes
482B2	Uniontown silt loam, 2 to 5 percent slopes, eroded	482B2	Uniontown silt loam, 2 to 5 percent slopes, eroded
482C2	Uniontown silt loam, 5 to 10 percent slopes, eroded	482C2	Uniontown silt loam, 5 to 10 percent slopes, eroded
482C3	Uniontown silty clay loam, 5 to 10 percent slopes, severely eroded	482C3	Uniontown silty clay loam, 5 to 10 percent slopes, severely eroded
483 483A	Henshaw silt loam Henshaw silt loam, 0 to 2 percent slopes	483A	Henshaw silt loam, 0 to 2 percent slopes
484 484A	Harco silt loam Harco silt loam, 0 to 2 percent slopes	484A	Harco silt loam, 0 to 2 percent slopes
585F 585F	Negley loam, 18 to 30 percent slopes Negley loam, 18 to 35 percent slopes	585F	Negley loam, 18 to 35 percent slopes
19C3 630C3	Sylvan silty clay loam, 5 to 10 percent slopes, severely eroded Navlys silty clay loam, 5 to 10 percent slopes, severely eroded	630C3	Navlys silty clay loam, 5 to 10 percent slopes, severely eroded
19D3 630D3	Sylvan silty clay loam, 10 to 18 percent slopes, severely eroded Navlys silty clay loam, 10 to 18 percent slopes, severely eroded	630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded
750A	Skelton fine sandy loam, 0 to 2 percent slopes	750A	Skelton fine sandy loam, 0 to 2 percent slopes
750B	Skelton fine sandy loam, 2 to 5 percent slopes	750B	Skelton fine sandy loam, 2 to 5 percent slopes
750C2	Skelton fine sandy loam, 5 to 10 percent slopes, eroded	750C2	Skelton fine sandy loam, 5 to 10 percent slopes, eroded

751	Crawleyville fine sandy loam	751A	Crawleyville fine sandy loam, 0 to 2 percent slopes
751A	Crawleyville fine sandy loam, 0 to 2 percent slopes		
784F	Berks loam, 18 to 35 percent slopes	784F	Berks loam, 18 to 35 percent slopes
784F	Berks loam, 18 to 30 percent slopes		
802B	Orthents, loamy, nonacid, 1 to 7 percent slopes	802B	Orthents, loamy, nonacid, 1 to 7 percent slopes
865	Pits, gravel	865	Pits, gravel
898G	Sylvan-Hickory silt loams, 35 to 70 percent slopes	898G	Sylvan-Hickory silt loams, 35 to 70 percent slopes
898G	Sylvan-Hickory complex, 30 to 50 percent slopes		
8G	Hickory loam, 30 to 50 percent slopes	908G	Kell-Hickory silt loams, 35 to 70 percent slopes
908G	Kell-Hickory silt loams, 35 to 70 percent slopes		
929D3	Ava-Hickory complex, 10 to 18 percent slopes, severely eroded	929D3	Hickory-Ava silty clay loams, 10 to 18 percent slopes, severely eroded
929D3	Hickory-Ava silty clay loams, 10 to 18 percent slopes, severely eroded		
1288	Petrolia silty clay loam, wet	1288A	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
1288A	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded		
3092	Sarpy sandy loam, frequently flooded	3092A	Sarpy sandy loam, 0 to 2 percent slopes, frequently flooded
3092A	Sarpy sandy loam, 0 to 2 percent slopes, frequently flooded		
3103	Houghton muck, frequently flooded	3103L	Houghton muck, 0 to 2 percent slopes, frequently flooded, long duration
3103L	Houghton muck, 0 to 2 percent slopes, frequently flooded, long duration		
3108	Bonnie silt loam, frequently flooded	3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded
3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded		
3142	Patton silty clay loam, frequently flooded	3142A	Patton silty clay loam, 0 to 2 percent slopes, frequently flooded
3142A	Patton silty clay loam, 0 to 2 percent slopes, frequently flooded		
3178	Ruark loam, frequently flooded	3178A	Ruark loam, 0 to 2 percent slopes, frequently flooded
3178A	Ruark loam, 0 to 2 percent slopes, frequently flooded		
3231	Evansville silt loam, frequently flooded	3231A	Evansville silt loam, 0 to 2 percent slopes, frequently flooded
3231A	Evansville silt loam, 0 to 2 percent slopes, frequently flooded		

3302	Ambraw loam, frequently flooded	3302A	Ambraw loam, 0 to 2 percent slopes, frequently flooded
3302A	Ambraw loam, 0 to 2 percent slopes, frequently flooded		
3304	Landes sandy loam, frequently flooded	3304A	Landes sandy loam, 0 to 2 percent slopes, frequently flooded
3304A	Landes sandy loam, 0 to 2 percent slopes, frequently flooded		
3331	Haymond silt loam, frequently flooded	3331A	Haymond silt loam, 0 to 2 percent slopes, frequently flooded
3331A	Haymond silt loam, 0 to 2 percent slopes, frequently flooded		
3333	Wakeland silt loam, frequently flooded	3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded		
3382	Belknap silt loam, frequently flooded	3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded		
3420	Piopolis silty clay loam, frequently flooded	3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded
3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded		
3465	Montgomery silty clay, frequently flooded	3465A	Montgomery silty clay, 0 to 2 percent slopes frequently flooded
3465A	Montgomery silty clay, 0 to 2 percent slopes frequently flooded		
3524	Zipp silty clay, frequently flooded	3524A	Zipp silty clay, 0 to 2 percent slopes, frequently flooded
3524A	Zipp silty clay, 0 to 2 percent slopes, frequently flooded		
3597	Armiesburg silty clay loam, frequently flooded	3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded
3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded		
3601	Nolin silty clay loam, frequently flooded	3601A	Nolin silty clay loam, 0 to 2 percent slopes, frequently flooded
3601A	Nolin silty clay loam, 0 to 2 percent slopes, frequently flooded		
3602	Newark silty clay loam, frequently flooded	3602A	Newark silty clay loam, 0 to 2 percent slopes, frequently flooded
3602A	Newark silty clay loam, 0 to 2 percent slopes, frequently flooded		
3665	Stonelick loam, frequently flooded	3665A	Stonelick loam, 0 to 2 percent slopes, frequently flooded
3665A	Stonelick loam, 0 to 2 percent slopes, frequently flooded		
7087	Dickinson fine sandy loam, rarely flooded	7087A	Dickinson fine sandy loam, 0 to 2 percent slopes, rarely flooded
7087A	Dickinson fine sandy loam, 0 to 2 percent slopes, rarely flooded		

7109	Racoon silt loam, rarely flooded	7109A	Racoon silt loam, 0 to 2 percent slopes, rarely flooded
7109A	Racoon silt loam, 0 to 2 percent slopes, rarely flooded		
7131A	Alvin fine sandy loam, 0 to 2 percent slopes, 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	7131B	Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded
7142	Patton silty clay loam, rarely flooded	7142A	Patton silty clay loam, 0 to 2 percent slopes, rarely flooded
7142A	Patton silty clay loam, 0 to 2 percent slopes, rarely flooded		
7142+	Patton silt loam, overwash, rarely flooded	7142A+	Patton silt loam, overwash, 0 to 2 percent slopes, rarely flooded
7142A+	Patton silt loam, overwash, 0 to 2 percent slopes, rarely flooded		
7173A	McGary silt loam, 0 to 2 percent slopes, rarely flooded	7173A	McGary silt loam, 0 to 2 percent slopes, rarely flooded
7173B	McGary silt loam, 2 to 5 percent slopes, eroded, rarely flooded	7173B2	McGary silt loam, 2 to 5 percent slopes, eroded, rarely flooded
7173B2	McGary silt loam, 2 to 5 percent slopes, eroded, rarely flooded		
7176	Marissa silt loam, rarely flooded	7176A	Marissa silt loam, 0 to 2 percent slopes, rarely flooded
7176A	Marissa silt loam, 0 to 2 percent slopes, rarely flooded		
7178	Ruark loam, rarely flooded	7178A	Ruark loam, 0 to 2 percent slopes, rarely flooded
7178A	Ruark loam, 0 to 2 percent slopes, rarely flooded		
7184	Roby fine sandy loam, rarely flooded	7184A	Roby fine sandy loam, 0 to 2 percent slopes, rarely flooded
7184A	Roby fine sandy loam, 0 to 2 percent slopes, rarely flooded		
7208	Sexton silt loam, rarely flooded	7208A	Sexton silt loam, 0 to 2 percent slopes, rarely flooded
7208A	Sexton silt loam, 0 to 2 percent slopes, rarely flooded		
7434A	Ridgway silt loam, 0 to 2 percent slopes, rarely flooded	7434A	Ridgway silt loam, 0 to 2 percent slopes, rarely flooded
7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded	7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded
7436	Meadowbank silt loam, rarely flooded	7436A	Meadowbank silt loam, 0 to 2 percent slopes, rarely flooded
7436A	Meadowbank silt loam, 0 to 2 percent slopes, rarely flooded		
7445	Newhaven loam, rarely flooded	7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded
7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded		

7446	Springerton loam, rarely flooded	7446A	Springerton loam, 0 to 2 percent slopes, rarely flooded
7446A	Springerton loam, 0 to 2 percent slopes, rarely flooded		
7462A	Sciotoville 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	7462B	Sciotoville silt loam, 2 to 5 percent slopes, rarely flooded
7465	Montgomery silty clay, rarely flooded	7465A	Montgomery silty clay, 0 to 2 percent slopes, rarely flooded
7465A	Montgomery silty clay, 0 to 2 percent slopes, rarely flooded		
7467B	Markland silt loam, 2 to 5 percent slopes, eroded, rarely flooded	7467B2	Markland silt loam, 2 to 5 percent slopes, eroded, rarely flooded
7467B2	Markland silt loam, 2 to 5 percent slopes, eroded, rarely flooded		
7467C	Markland silt loam, 5 to 10 percent slopes, eroded, rarely flooded	7467C2	Markland silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7467C2	Markland silt loam, 5 to 10 percent slopes, eroded, rarely flooded		
7482B	Uniontown silt loam, 2 to 5 percent slopes, rarely flooded	7482B	Uniontown silt loam, 2 to 5 percent slopes, rarely flooded
7482C	Uniontown silt loam, 5 to 10 percent slopes, eroded, rarely flooded	7482C2	Uniontown silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7482C2	Uniontown silt loam, 5 to 10 percent slopes, eroded, rarely flooded		
7483	Henshaw silt loam, rarely flooded	7483A	Henshaw silt loam, 0 to 2 percent slopes, rarely flooded
7483A	Henshaw silt loam, 0 to 2 percent slopes, rarely flooded		
7484	Harco silt loam, rarely flooded	7484A	Harco silt loam, 0 to 2 percent slopes, rarely flooded
7484A	Harco silt loam, 0 to 2 percent slopes, rarely flooded		
7524	Zipp silty clay, rarely flooded	7524A	Zipp silty clay, 0 to 2 percent slopes, rarely flooded
7524A	Zipp silty clay, 0 to 2 percent slopes, rarely flooded		
7524+	Zipp silt loam, overwash, rarely flooded	7524A+	Zipp silt loam, overwash, 0 to 2 percent slopes, rarely flooded
7524A+	Zipp silt loam, overwash, 0 to 2 percent slopes, rarely flooded		
7750A	Skelton fine sandy loam, 0 to 2 percent slopes, rarely flooded	7750A	Skelton fine sandy loam, 0 to 2 percent slopes, rarely flooded
7750B	Skelton fine sandy loam, 2 to 5 percent slopes, rarely flooded	7750B	Skelton fine sandy loam, 2 to 5 percent slopes, rarely flooded
7750C	Skelton fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded	7750C2	Skelton fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded
7750C2	Skelton fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded		

7751	Crawleyville fine sandy loam, 0 to 2 percent slopes, rarely flooded	7751A	Crawleyville fine sandy loam, 0 to 2 percent slopes, rarely flooded
7787	Banlic silt loam, rarely flooded	7787A	Banlic silt loam, 0 to 2 percent slopes, rarely flooded
7787A	Banlic silt loam, 0 to 2 percent slopes, rarely flooded		
7812E	Typic hapludalfs, 10 to 30 percent slopes, rarely flooded	7812E	Typic Hapludalfs, 10 to 30 percent slopes, rarely flooded
7812E	Typic Hapludalfs, 10 to 30 percent slopes, rarely flooded		
8072	Sharon silt loam, occasionally flooded	8072A	Sharon silt loam, 0 to 2 percent slopes, occasionally flooded
8072A	Sharon silt loam, 0 to 2 percent slopes, occasionally flooded		
8460	Ginat silt loam, occasionally flooded	8460A	Ginat silt loam, 0 to 2 percent slopes, occasionally flooded
8460A	Ginat silt loam, 0 to 2 percent slopes, occasionally flooded		
MW	Miscellaneous water	MW	Miscellaneous water
W	Water		
W	Water	W	Water

Series Established by this Correlation

None

Series or Other Components Added to Previously Correlated Legend:

Kell

Series Dropped from Previously Correlated Legend:

None

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 White County was completed in September 1989 and published by the United States Department of Agriculture, Soil Conservation Service in September 1996. (Also designated as Illinois Agricultural Experiment Station Report No. 152).

Reference to the prior soil survey will be included in the literature citation of the manuscript. This update replaces the September 1996 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

This county was digitized using the Orthomapper Process. NRCS soil scientists and GIS Specialists edited the maps into their final form. The soil maps will be sent to the Kansas Digitizing Center for SSURGO Certification.

Conventional and Special Symbols Legend

No Special Features or ad hoc symbols are shown on the digitized maps in this update.

NRCS-SOI-37a
 REVISED MAY 2001
 Soil Survey Area **White County**
 State **ILLINOIS**

**FEATURE AND SYMBOL LEGEND
 FOR SOIL SURVEY**

U.S. DEPARTMENT OF AGRICULTURE
 NATURAL RESOURCES
 CONSERVATION SERVICE
 Date: **June 2006**

SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS	
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CULTURAL FEATURES

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

ROAD EMBLEMS

Interstate	
Federal	
State	

Soil Mapunit Symbol Conversion Legend of White County, Illinois

Field Symbol	Publication Symbol
2	2A
2A	2A
3A	3A
3B	3B
8D2	8D2
8F	8F
8G	908G
12	12A
12A	12A
13A	13A
13B	13B
13B2	13B2
14B	14B
14B2	14B2
14C2	14C2
14C3	14C3
15B	15B
15C2	15C2
15D2	15D2
19C3	630C3
19D3	630D3
19F	19F
53B	53B
53C	53C
53D	53D
75B	75B
87A	87A
87B	87B
109	109A
109A	109A
131A	131A
131B	131B
131C	131C
131F	131F
142	142A
142+	142A+
142A	142A
142A+	142A+

Field Symbol	Publication Symbol
164A	164A
164B	164B
165	165A
165A	165A
173A	173A
173B2	173B2
176	176A
176A	176A
178	178A
178A	178A
184	184A
184A	184A
208	208A
208A	208A
214B	214B
214B2	214B2
214C2	214C2
214C3	214C3
231	231A
231A	231A
301B	301B
308B	308B
308B2	308B2
308C2	308C2
308C3	308C3
308D2	308D2
308D3	308D3
337	337A
337A	337A
339F	339F
340C2	340C2
340C3	340C3
340D2	340D2
340D3	340D3
434A	434A
434B	434B
434C2	434C2

Field Symbol	Publication Symbol
436A	436A
436B	436B
445	445A
445A	445A
446	446A
446A	446A
453B	453B
467B2	467B2
467C2	467C2
467C3	467C3
482B	482B
482B2	482B2
482C2	482C2
482C3	482C3
483	483A
483A	483A
484	484A
484A	484A
585F	585F
630C3	630C3
630D3	630D3
750A	750A
750B	750B
750C2	750C2
751	751A
751A	751A
784F	784F
802B	802B
865	865
898G	898G
908G	908G
929D3	929D3
1288	1288A
1288A	1288A
3092	3092A
3092A	3092A
3103	3103L
3103L	3103L

Field Symbol	Publication Symbol
3108	3108A
3108A	3108A
3142	3142A
3142A	3142A
3178	3178A
3178A	3178A
3231	3231A
3231A	3231A
3302	3302A
3302A	3302A
3304	3304A
3304A	3304A
3331	3331A
3331A	3331A
3333	3333A
3333A	3333A
3382	3382A
3382A	3382A
3420	3420A
3420A	3420A
3465	3465A
3465A	3465A
3524	3524A
3524A	3524A
3597	3597A
3597A	3597A
3601	3601A
3601A	3601A
3602	3602A
3602A	3602A
3665	3665A
3665A	3665A
7087	7087A
7087A	7087A
7109	7109A
7109A	7109A
7131A	7131A
7131B	7131B
7142	7142A

Field Symbol	Publication Symbol
7142+	7142A+
7142A	7142A
7142A+	7142A+
7173A	7173A
7173B	7173B2
7173B2	7173B2
7176	7176A
7176A	7176A
7178	7178A
7178A	7178A
7184	7184A
7184A	7184A
7208	7208A
7208A	7208A
7434A	7434A
7434B	7434B
7436	7436A
7436A	7436A
7445	7445A
7445A	7445A
7446	7446A
7446A	7446A
7462A	7462A
7462B	7462B
7465	7465A
7465A	7465A
7467B	7467B2
7467B2	7467B2
7467C	7467C2
7467C2	7467C2
7482B	7482B
7482C	7482C2
7482C2	7482C2
7483	7483A
7483A	7483A
7484	7484A
7484A	7484A
7524	7524A
7524+	7524A+

Field Symbol	Publication Symbol
7524A	7524A
7524A+	7524A+
7750A	7750A
7750B	7750B
7750C	7750C2
7750C2	7750C2
7751	7751A
7751A	7751A
7787	7787A
7787A	7787A
7812E	7812E
8072	8072A
8072A	8072A
8460A	8460A
MW	MW
W	MW
W	W

Soil Identification Legend According to Alphabetic Sequence

308B	Alford silt loam, 2 to 5 percent slopes
308B2	Alford silt loam, 2 to 5 percent slopes, eroded
308C2	Alford silt loam, 5 to 10 percent slopes, eroded
308D2	Alford silt loam, 10 to 18 percent slopes, eroded
308C3	Alford silty clay loam, 5 to 10 percent slopes, severely eroded
308D3	Alford silty clay loam, 10 to 18 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
131F	Alvin fine sandy loam, 18 to 35 percent slopes
3302A	Ambraw loam, 0 to 2 percent slopes, frequently flooded
3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded
14B	Ava silt loam, 2 to 5 percent slopes
14B2	Ava silt loam, 2 to 5 percent slopes, eroded
14C2	Ava silt loam, 5 to 10 percent slopes, eroded
14C3	Ava silty clay loam, 5 to 10 percent slopes, severely eroded
7787A	Banlic silt loam, 0 to 2 percent slopes, rarely flooded
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
784F	Berks loam, 18 to 35 percent slopes
53B	Bloomfield fine sand, 1 to 5 percent slopes
53C	Bloomfield fine sand, 5 to 10 percent slopes
53D	Bloomfield fine sand, 10 to 18 percent slopes
13A	Bluford silt loam, 0 to 2 percent slopes
13B	Bluford silt loam, 2 to 5 percent slopes
13B2	Bluford silt loam, 2 to 5 percent slopes, eroded
3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded
2A	Cisne silt loam, 0 to 2 percent slopes
751A	Crawleyville fine sandy loam, 0 to 2 percent slopes
7751A	Crawleyville fine sandy loam, 0 to 2 percent slopes, rarely flooded
337A	Creal silt loam, 0 to 2 percent slopes
87A	Dickinson fine sandy loam, 0 to 2 percent slopes
7087A	Dickinson fine sandy loam, 0 to 2 percent slopes, rarely flooded
87B	Dickinson fine sandy loam, 2 to 5 percent slopes
75B	Drury silt loam, 2 to 5 percent slopes
231A	Evansville silt loam, 0 to 2 percent slopes
3231A	Evansville silt loam, 0 to 2 percent slopes, frequently flooded
8460A	Ginat silt loam, 0 to 2 percent slopes, occasionally flooded
301B	Grantsburg silt loam, 2 to 5 percent slopes
484A	Harco silt loam, 0 to 2 percent slopes
7484A	Harco silt loam, 0 to 2 percent slopes, rarely flooded
3331A	Haymond silt loam, 0 to 2 percent slopes, frequently flooded
483A	Henshaw silt loam, 0 to 2 percent slopes
7483A	Henshaw silt loam, 0 to 2 percent slopes, rarely flooded
929D3	Hickory-Ava silty clay loams, 10 to 18 percent slopes, severely eroded
8D2	Hickory silt loam, 10 to 18 percent slopes, eroded
8F	Hickory silt loam, 18 to 35 percent slopes
214B	Hosmer silt loam, 2 to 5 percent slopes
214B2	Hosmer silt loam, 2 to 5 percent slopes, eroded
214C2	Hosmer silt loam, 5 to 10 percent slopes, eroded
214C3	Hosmer silty clay loam, 5 to 10 percent slopes, severely eroded
3103L	Houghton muck, 0 to 2 percent slopes, frequently flooded, long duration
3A	Hoyleton silt loam, 0 to 2 percent slopes
3B	Hoyleton silt loam, 2 to 5 percent slopes

908G	Kell-Hickory silt loams, 35 to 70 percent slopes
3304A	Landes sandy loam, 0 to 2 percent slopes, frequently flooded
176A	Marissa silt loam, 0 to 2 percent slopes
7176A	Marissa silt loam, 0 to 2 percent slopes, rarely flooded
467B2	Markland silt loam, 2 to 5 percent slopes, eroded
7467B2	Markland silt loam, 2 to 5 percent slopes, eroded, rarely flooded
467C2	Markland silt loam, 5 to 10 percent slopes, eroded
7467C2	Markland silt loam, 5 to 10 percent slopes, eroded, rarely flooded
467C3	Markland silty clay loam, 5 to 10 percent slopes, severely eroded
173A	McGary silt loam, 0 to 2 percent slopes
7173A	McGary silt loam, 0 to 2 percent slopes, rarely flooded
173B2	McGary silt loam, 2 to 5 percent slopes, eroded
7173B2	McGary silt loam, 2 to 5 percent slopes, eroded, rarely flooded
436A	Meadowbank silt loam, 0 to 2 percent slopes
7436A	Meadowbank silt loam, 0 to 2 percent slopes, rarely flooded
436B	Meadowbank silt loam, 2 to 5 percent slopes
MW	Miscellaneous water
3465A	Montgomery silty clay, 0 to 2 percent slopes frequently flooded
7465A	Montgomery silty clay, 0 to 2 percent slopes, rarely flooded
453B	Muren silt loam, 2 to 5 percent slopes
630C3	Navlys silty clay loam, 5 to 10 percent slopes, severely eroded
630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded
585F	Negley loam, 18 to 35 percent slopes
3602A	Newark silty clay loam, 0 to 2 percent slopes, frequently flooded
445A	Newhaven loam, 0 to 2 percent slopes
7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded
3601A	Nolin silty clay loam, 0 to 2 percent slopes, frequently flooded
802B	Orthents, loamy, nonacid, 1 to 7 percent slopes
15B	Parke silt loam, 2 to 5 percent slopes
15C2	Parke silt loam, 5 to 10 percent slopes, eroded
15D2	Parke silt loam, 10 to 18 percent slopes, eroded
142A+	Patton silt loam, overwash, 0 to 2 percent slopes
7142A+	Patton silt loam, overwash, 0 to 2 percent slopes, rarely flooded
142A	Patton silty clay loam, 0 to 2 percent slopes
3142A	Patton silty clay loam, 0 to 2 percent slopes, frequently flooded
7142A	Patton silty clay loam, 0 to 2 percent slopes, rarely flooded
1288A	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded
865	Pits, gravel
109A	Racoon silt loam, 0 to 2 percent slopes
7109A	Racoon silt loam, 0 to 2 percent slopes, rarely flooded
434A	Ridgway silt loam, 0 to 2 percent slopes
7434A	Ridgway silt loam, 0 to 2 percent slopes, rarely flooded
434B	Ridgway silt loam, 2 to 5 percent slopes
7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded
434C2	Ridgway silt loam, 5 to 10 percent slopes, eroded
184A	Roby fine sandy loam, 0 to 2 percent slopes
7184A	Roby fine sandy loam, 0 to 2 percent slopes, rarely flooded
178A	Ruark loam, 0 to 2 percent slopes
3178A	Ruark loam, 0 to 2 percent slopes, frequently flooded
7178A	Ruark loam, 0 to 2 percent slopes, rarely flooded
3092A	Sarpy sandy loam, 0 to 2 percent slopes, frequently flooded
7462A	Sciotoville silt loam, 0 to 2 percent slopes, rarely flooded
7462B	Sciotoville silt loam, 2 to 5 percent slopes, rarely flooded
208A	Sexton silt loam, 0 to 2 percent slopes
7208A	Sexton silt loam, 0 to 2 percent slopes, rarely flooded
8072A	Sharon silt loam, 0 to 2 percent slopes, occasionally flooded
750A	Skelton fine sandy loam, 0 to 2 percent slopes

7750A	Skelton fine sandy loam, 0 to 2 percent slopes, rarely flooded
750B	Skelton fine sandy loam, 2 to 5 percent slopes
7750B	Skelton fine sandy loam, 2 to 5 percent slopes, rarely flooded
750C2	Skelton fine sandy loam, 5 to 10 percent slopes, eroded
7750C2	Skelton fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded
446A	Springerton loam, 0 to 2 percent slopes
7446A	Springerton loam, 0 to 2 percent slopes, rarely flooded
3665A	Stonelick loam, 0 to 2 percent slopes, frequently flooded
164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 5 percent slopes
898G	Sylvan-Hickory silt loams, 35 to 70 percent slopes
19F	Sylvan silt loam, 18 to 35 percent slopes
7812E	Typic Hapludalfs, 10 to 30 percent slopes, rarely flooded
482B	Uniontown silt loam, 2 to 5 percent slopes
482B2	Uniontown silt loam, 2 to 5 percent slopes, eroded
7482B	Uniontown silt loam, 2 to 5 percent slopes, rarely flooded
482C2	Uniontown silt loam, 5 to 10 percent slopes, eroded
7482C2	Uniontown silt loam, 5 to 10 percent slopes, eroded, rarely flooded
482C3	Uniontown silty clay loam, 5 to 10 percent slopes, severely eroded
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
W	Water
165A	Weir silt loam, 0 to 2 percent slopes
339F	Wellston silt loam, 18 to 35 percent slopes
12A	Wynoose silt loam, 0 to 2 percent slopes
340C2	Zanesville silt loam, 5 to 10 percent slopes, eroded
340D2	Zanesville silt loam, 10 to 18 percent slopes, eroded
340C3	Zanesville silty clay loam, 5 to 10 percent slopes, severely eroded
340D3	Zanesville silty clay loam, 10 to 18 percent slopes, severely eroded
7524A+	Zipp silt loam, overwash, 0 to 2 percent slopes, rarely flooded
3524A	Zipp silty clay, 0 to 2 percent slopes, frequently flooded
7524A	Zipp silty clay, 0 to 2 percent slopes, rarely flooded

Soil Identification Legend According to Numeric Sequence

2A	Cisne silt loam, 0 to 2 percent slopes
3A	Hoyleton silt loam, 0 to 2 percent slopes
3B	Hoyleton silt loam, 2 to 5 percent slopes
8D2	Hickory silt loam, 10 to 18 percent slopes, eroded
8F	Hickory silt loam, 18 to 35 percent slopes
12A	Wynoose silt loam, 0 to 2 percent slopes
13A	Bluford silt loam, 0 to 2 percent slopes
13B	Bluford silt loam, 2 to 5 percent slopes
13B2	Bluford silt loam, 2 to 5 percent slopes, eroded
14B	Ava silt loam, 2 to 5 percent slopes
14B2	Ava silt loam, 2 to 5 percent slopes, eroded
14C2	Ava silt loam, 5 to 10 percent slopes, eroded
14C3	Ava silty clay loam, 5 to 10 percent slopes, severely eroded
15B	Parke silt loam, 2 to 5 percent slopes
15C2	Parke silt loam, 5 to 10 percent slopes, eroded
15D2	Parke silt loam, 10 to 18 percent slopes, eroded
19F	Sylvan silt loam, 18 to 35 percent slopes
53B	Bloomfield fine sand, 1 to 5 percent slopes
53C	Bloomfield fine sand, 5 to 10 percent slopes
53D	Bloomfield fine sand, 10 to 18 percent slopes
75B	Drury silt loam, 2 to 5 percent slopes
87A	Dickinson fine sandy loam, 0 to 2 percent slopes
87B	Dickinson fine sandy loam, 2 to 5 percent slopes
109A	Racoon silt 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
131C	Alvin fine sandy loam, 5 to 10 percent slopes
131F	Alvin fine sandy loam, 18 to 35 percent slopes
142A	Patton silty clay loam, 0 to 2 percent slopes
142A+	Patton silt loam, overwash, 0 to 2 percent slopes
164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 5 percent slopes
165A	Weir silt loam, 0 to 2 percent slopes
173A	McGary silt loam, 0 to 2 percent slopes
173B2	McGary silt loam, 2 to 5 percent slopes, eroded
176A	Marissa silt loam, 0 to 2 percent slopes
178A	Ruark loam, 0 to 2 percent slopes
184A	Roby fine sandy loam, 0 to 2 percent slopes
208A	Sexton silt loam, 0 to 2 percent slopes
214B	Hosmer silt loam, 2 to 5 percent slopes
214B2	Hosmer silt loam, 2 to 5 percent slopes, eroded
214C2	Hosmer silt loam, 5 to 10 percent slopes, eroded
214C3	Hosmer silty clay loam, 5 to 10 percent slopes, severely eroded
231A	Evansville silt loam, 0 to 2 percent slopes
301B	Grantsburg silt loam, 2 to 5 percent slopes
308B	Alford silt loam, 2 to 5 percent slopes
308B2	Alford silt loam, 2 to 5 percent slopes, eroded
308C2	Alford silt loam, 5 to 10 percent slopes, eroded
308C3	Alford silty clay loam, 5 to 10 percent slopes, severely eroded
308D2	Alford silt loam, 10 to 18 percent slopes, eroded
308D3	Alford silty clay loam, 10 to 18 percent slopes, severely eroded
337A	Creal silt loam, 0 to 2 percent slopes
339F	Wellston silt loam, 18 to 35 percent slopes
340C2	Zanesville silt loam, 5 to 10 percent slopes, eroded
340C3	Zanesville silty clay loam, 5 to 10 percent slopes, severely eroded

340D2	Zanesville silt loam, 10 to 18 percent slopes, eroded
340D3	Zanesville silty clay loam, 10 to 18 percent slopes, severely eroded
434A	Ridgway silt loam, 0 to 2 percent slopes
434B	Ridgway silt loam, 2 to 5 percent slopes
434C2	Ridgway silt loam, 5 to 10 percent slopes, eroded
436A	Meadowbank silt loam, 0 to 2 percent slopes
436B	Meadowbank silt loam, 2 to 5 percent slopes
445A	Newhaven loam, 0 to 2 percent slopes
446A	Springerton loam, 0 to 2 percent slopes
453B	Muren silt loam, 2 to 5 percent slopes
467B2	Markland silt loam, 2 to 5 percent slopes, eroded
467C2	Markland silt loam, 5 to 10 percent slopes, eroded
467C3	Markland silty clay loam, 5 to 10 percent slopes, severely eroded
482B	Uniontown silt loam, 2 to 5 percent slopes
482B2	Uniontown silt loam, 2 to 5 percent slopes, eroded
482C2	Uniontown silt loam, 5 to 10 percent slopes, eroded
482C3	Uniontown silty clay loam, 5 to 10 percent slopes, severely eroded
483A	Henshaw silt loam, 0 to 2 percent slopes
484A	Harco silt loam, 0 to 2 percent slopes
585F	Negley loam, 18 to 35 percent slopes
630C3	Navlys silty clay loam, 5 to 10 percent slopes, severely eroded
630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded
750A	Skelton fine sandy loam, 0 to 2 percent slopes
750B	Skelton fine sandy loam, 2 to 5 percent slopes
750C2	Skelton fine sandy loam, 5 to 10 percent slopes, eroded
751A	Crawleyville fine sandy loam, 0 to 2 percent slopes
784F	Berks loam, 18 to 35 percent slopes
802B	Orthents, loamy, nonacid, 1 to 7 percent slopes
865	Pits, gravel
898G	Sylvan-Hickory silt loams, 35 to 70 percent slopes
908G	Kell-Hickory silt loams, 35 to 70 percent slopes
929D3	Hickory-Ava silty clay loams, 10 to 18 percent slopes, severely eroded
1288A	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
3092A	Sarpy sandy loam, 0 to 2 percent slopes, frequently flooded
3103L	Houghton muck, 0 to 2 percent slopes, frequently flooded, long duration
3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded
3142A	Patton silty clay loam, 0 to 2 percent slopes, frequently flooded
3178A	Ruark loam, 0 to 2 percent slopes, frequently flooded
3231A	Evansville silt loam, 0 to 2 percent slopes, frequently flooded
3302A	Ambraw loam, 0 to 2 percent slopes, frequently flooded
3304A	Landes sandy loam, 0 to 2 percent slopes, frequently flooded
3331A	Haymond silt loam, 0 to 2 percent slopes, frequently flooded
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
3420A	Piopolis silty clay loam, 0 to 2 percent slopes, frequently flooded
3465A	Montgomery silty clay, 0 to 2 percent slopes frequently flooded
3524A	Zipp silty clay, 0 to 2 percent slopes, frequently flooded
3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded
3601A	Nolin silty clay loam, 0 to 2 percent slopes, frequently flooded
3602A	Newark silty clay loam, 0 to 2 percent slopes, frequently flooded
3665A	Stonelick loam, 0 to 2 percent slopes, frequently flooded
7087A	Dickinson fine sandy loam, 0 to 2 percent slopes, rarely flooded
7109A	Racoon silt loam, 0 to 2 percent slopes, 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
7142A	Patton silty clay loam, 0 to 2 percent slopes, rarely flooded
7142A+	Patton silt loam, overwash, 0 to 2 percent slopes, rarely flooded
7173A	McGary silt loam, 0 to 2 percent slopes, rarely flooded

7173B2	McGary silt loam, 2 to 5 percent slopes, eroded, rarely flooded
7176A	Marissa silt loam, 0 to 2 percent slopes, rarely flooded
7178A	Ruark loam, 0 to 2 percent slopes, rarely flooded
7184A	Roby fine sandy loam, 0 to 2 percent slopes, rarely flooded
7208A	Sexton silt loam, 0 to 2 percent slopes, rarely flooded
7434A	Ridgway silt loam, 0 to 2 percent slopes, rarely flooded
7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded
7436A	Meadowbank silt loam, 0 to 2 percent slopes, rarely flooded
7445A	Newhaven loam, 0 to 2 percent slopes, rarely flooded
7446A	Springerton 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
7465A	Montgomery silty clay, 0 to 2 percent slopes, rarely flooded
7467B2	Markland silt loam, 2 to 5 percent slopes, eroded, rarely flooded
7467C2	Markland silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7482B	Uniontown silt loam, 2 to 5 percent slopes, rarely flooded
7482C2	Uniontown silt loam, 5 to 10 percent slopes, eroded, rarely flooded
7483A	Henshaw silt loam, 0 to 2 percent slopes, rarely flooded
7484A	Harco silt loam, 0 to 2 percent slopes, rarely flooded
7524A	Zipp silty clay, 0 to 2 percent slopes, rarely flooded
7524A+	Zipp silt loam, overwash, 0 to 2 percent slopes, rarely flooded
7750A	Skelton fine sandy loam, 0 to 2 percent slopes, rarely flooded
7750B	Skelton fine sandy loam, 2 to 5 percent slopes, rarely flooded
7750C2	Skelton fine sandy loam, 5 to 10 percent slopes, eroded, rarely flooded
7751A	Crawleyville fine sandy loam, 0 to 2 percent slopes, rarely flooded
7787A	Banlic silt loam, 0 to 2 percent slopes, rarely flooded
7812E	Typic Hapludalfs, 10 to 30 percent slopes, rarely flooded
8072A	Sharon silt loam, 0 to 2 percent slopes, occasionally flooded
8460A	Ginat silt loam, 0 to 2 percent slopes, occasionally flooded
MW	Miscellaneous water
W	Water

Notes to Accompany the Classification and Correlation of the Soils of White County, Illinois.

Prepared by Dwayne Williams

1. Some published map units did not have a slope class letter in the map symbol and the slope range was not in the map unit name. This update adds a slope class letter to the mapunit symbol and a slope range to the mapunit name.
2. Some of the slope class ranges of the published mapping units were adjusted to Match the MLRA legends.
3. Hickory(8G) soils on the steeper slopes are correlated to Kell-Hickory complex (908G).

Map Unit History Notes

630C3	Navlys silty clay loam, 5 to 10 percent slopes, severely eroded	The soils originally mapped as Sylvan on 5 to 10 percent slopes are correlated to Navlys.
630D3	Navlys silty clay loam, 10 to 18 percent slopes, severely eroded	The soils originally mapped as Sylvan on 10 to 18 percent slopes are correlated to Navlys.
908G	Kell-Hickory silt loams, 35 to 70 percent slopes	The moderately deep Kell soils are added to the legend as a component in complex with Hickory soils to recognize soils that have thin glacial drift and are moderately deep to sandstone, siltstone, or shale.
7787A	Banlic silt loam, 0 to 2 percent slopes, rarely flooded	evaluate the correct classification of the Banlic series. An evaluation of 7 pedons in the mid-80's indicated 4 were Udepts and 3 were Aquepts. The current OSD typifying pedon for Banlic is a pedon in Wayne County and classifies as a Fragic Epiaquept. A pedon from Perry County is used as the typifying pedon for White County. It is dominantly brown in the first layer below the Ochric epipedon. Therefore, the Banlic soils in White County are taxadjuncts that classify as a Coarse-silty, mixed, active, mesic Fragiaquic Dystrudept.

Notes by Series

Alford	The typical pedon is from Hardin County, Illinois.
Alvin	The typical pedon is from Massac County, Illinois.
Ambraw	The typical pedon is from White County, Illinois.
Armiesburg	The typical pedon is from Massac County, Illinois. The typical pedon is described with low chroma clay films in the solum. The depth to the base of the cambic is more than 60 inches. Armiesburg needs to be field checked in the future to determine if these conditions are typical for the Southern 7 counties.
Ava	The typical pedon is from Edwards County, Illinois. (OSD type location)
*Banlic	The typical pedon is from Perry County, Illinois. Banlic is a taxadjunct to the series because the colors are not gray enough to meet the Aquepts criteria. The soil classifies as Coarse-silty, mixed, active, mesic Fraguaquic Dystrudepts. (See also Map Unit History notes.)
Belknap	The typical pedon is from Wabash County, Illinois. (OSD type location)
Berks	The typical pedon is from Massac County, Illinois.
Bloomfield	The typical pedon is from Lawrence County, Illinois. (OSD type location)
Bluford	The typical pedon is from Crawford County, Illinois. (OSD type location)
Bonnie	The typical pedon is from Franklin County, Illinois.
Cisne	The typical pedon is from Jasper County, Illinois. (OSD type location)
Crawleyville	The typical pedon is from White County, Illinois.
Creal	The typical pedon is from Hamilton County, Illinois. (OSD type location)
Dickinson	The typical pedon is from White County, Illinois.
Drury	The typical pedon is from Union County, Illinois.
Evansville	The typical pedon is from White County, Illinois.
Ginat	The typical pedon is from Pope County, Illinois. Limited field investigations for this update. The OSD for Ginat has been reclassified from a Fine-silty, mixed, mesic Typic Fraguaqualfs to a Fine-silty, mixed, active, mesic Typic Endoaqualfs. The typical pedon correlated in 1991 had a weak 'pan' at best. Other pedons described and observed in White County indicate that fragic properties exist. These soils will be evaluated to determine if fragic properties are dominant. These soils are not considered to be taxadjuncts in White County.
Grantsburg	The typical pedon is from Pope County, Illinois. (OSD type location)
Harco	The typical pedon is from Gallatin County, Illinois. (OSD type location)
Haymond	The typical pedon is from Union County, Illinois.
Henshaw	The typical pedon is from White County, Illinois.
Hickory	The typical pedon is from Jefferson County, Illinois.
Hosmer	The typical pedon is from Union County, Illinois.
Houghton	The typical pedon is from White County, Illinois.
Hoyleton	The typical pedon is from Shelby County, Illinois. (OSD type location)
Kell	The typical pedon is from Jefferson County, Illinois. (OSD type location)
Landes	The typical pedon is from Cass County, Illinois. (OSD type location)
Marissa	The typical pedon is from Gallatin County, Illinois. (OSD type location)
Markland	The typical pedon is from White County, Illinois.
McGary	The typical pedon is from White County, Illinois.
Meadowbank	The typical pedon is from White County, Illinois. (OSD type location)
*Montgomery	The typical pedon is from White County, Illinois. NSSL data indicates that the clay fraction of these soils is dominated by smectitic clays. These soils are taxadjuncts which classify as Fine, smectitic, mesic Vertic Endoaquolls..
Muren	The typical pedon is from White County, Illinois.
Navlys	The typical pedon is from Fulton County, Illinois. (OSD type location)
Negley	The typical pedon is from White County, Illinois.
Newark	The typical pedon is from White County, Illinois.
Newhaven	The typical pedon is from White County, Illinois. (OSD type location)
Nolin	The typical pedon is from White County, Illinois.
Parke	The typical pedon is from White County, Illinois.
Patton	The typical pedon is from Edwards County, Illinois. (OSD type location)
Petrolia	The typical pedon is from Clay County, Illinois.
Piopolis	The typical pedon is from Hamilton County, Illinois. (OSD type location)
Racoon	The typical pedon is from Saline County, Illinois. (OSD type location)
Ridgway	The typical pedon is from White County, Illinois. (OSD type location)
Roby	The typical pedon is from White County, Illinois.
Ruark	The typical pedon is from Alexander County, Illinois. (OSD type location)
Sarpy	The typical pedon is from White County, Illinois.

*Sciotoville	The typical pedon is from Massac County, Illinois. The Sciotoville soils are taxadjuncts to the series. They have fragic soil properties, not a well developed fragipan like the established series. They classify as Fine-loamy, mixed, active, mesic Fragiaquic Hapludalfs.
Sexton	The typical pedon is from Edgar County, Illinois. (OSD type location)
Sharon	The typical pedon is from Williamson County, Illinois. (OSD type location)
Skelton	The typical pedon is from White County, Illinois.
Springerton	The typical pedon is from White County, Illinois. (OSD type location)
Stonelick	The typical pedon is from White County, Illinois.
Stoy	The typical pedon is from Gallatin County, Illinois. (OSD type location)
Sylvan	The typical pedon is from White County, Illinois.
Uniontown	The typical pedon is from White County, Illinois.
Wakeland	The typical pedon is from Madison County, Illinois.
Weir	The typical pedon is from Lawrence County, Illinois. (OSD type location)
Wellston	The typical pedon is from Massac County, Illinois.
Wynoose	The typical pedon is from Wayne County, Illinois. (OSD type location)
Zanesville	The typical pedon is from Pope County, Illinois.
Zipp	The typical pedon is from White County, Illinois.

An * indicates that the soil is a taxadjunct in White County.

Certification Statement

The MLRA Region 11 Team Leader certifies that:

- a. The fieldwork activities were completed in September 1989, the end of the “once over” mapping of the soils in White County, Illinois. The evaluation of the mapping in White County indicated that no additional field work was necessary for this update.
- b. White County is joined by Wayne, Edwards and Wabash Counties to the north, the Wabash River to the east, Gallatin County to the south and Hamilton County to the west.

Edwards County - A SSURGO initiative county, an acceptable join exists.

Gallatin County - A SSURGO initiative county, an acceptable join exists.

Hamilton County - A SSURGO initiative county, an acceptable join exists.

Wabash County - A SSURGO initiative county, an acceptable join exists.

Wayne County - Update in progress – exact join when the updates are complete.

- c. Interpretations have been coordinated and agree with adjoining survey areas.
- d. The locations of all typical pedons have been checked for accuracy, and that they occur in delineations using those names. Not all typical pedons are located in White County, but they are representative of the taxonomic units in MLRA 113 & 115A.
- e. All typical pedons are classified according to Keys To Soil Taxonomy, Ninth Edition, 2003.
- f. 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

Classification of the Soils in White County, Illinois

<u>Series</u>	<u>Classification</u>
Alford-----	Fine-silty, mixed, superactive, mesic Ultic Hapludalfs
Alvin-----	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Ambraw-----	Fine-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls
Armiesburg-----	Fine-silty, mixed, superactive, mesic Fluventic Hapludolls
Ava-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
*Banlic-----	Coarse-silty, mixed, active, mesic Fragiaquic Dystrudepts
Belknap-----	Coarse-silty, mixed, active, acid, mesic Fluvaquentic Endoaquepts
Berks-----	Loamy-skeletal, mixed, active, mesic Typic Dystrudepts
Bloomfield-----	Sandy, mixed, mesic Lamellic Hapludalfs
Bluford-----	Fine, smectitic, mesic Aeric Fragic Epiaqualfs
Bonnie-----	Fine-silty, mixed, active, acid, mesic Typic Fluvaquents
Cisne-----	Fine, smectitic, mesic Mollic Albaqualfs
Crawleyville-----	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
Creal-----	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Dickinson-----	Coarse-loamy, mixed, superactive, mesic Typic Hapludolls
Drury-----	Fine-silty, mixed, superactive, mesic Dystric Eutrudepts
Evansville-----	Fine-silty, mixed, superactive, nonacid, mesic Typic Endoaquepts
Ginat-----	Fine-silty, mixed, active, mesic Typic Endoaqualfs
Grantsburg-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Hapludalfs-----	Typic Hapludalfs
Harco-----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Haymond-----	Coarse-silty, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Henshaw-----	Fine-silty, mixed, active, mesic Aquic Hapludalfs
Hickory-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Hosmer-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Houghton-----	Euic, mesic Typic Haplosaprists
Hoyleton-----	Fine, smectitic, mesic Aquollic Hapludalfs
Kell-----	Fine-loamy, mixed, active, mesic Ultic Hapludalfs
Landes-----	Coarse-loamy, mixed, superactive, mesic Fluventic Hapludolls
Marissa-----	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Markland-----	Fine, mixed, active, mesic Typic Hapludalfs
McGary-----	Fine, mixed, mesic Aeric Epiaqualfs
Meadowbank-----	Fine-silty, mixed, superactive, mesic Typic Argiudolls
*Montgomery-----	Fine, smectitic, mesic Vertic Endoaquolls
Muren-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Navlys-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Negley-----	Fine-loamy, mixed, active, mesic Typic Paleudalfs
Newark-----	Fine-silty, mixed, active, nonacid, mesic Fluventic Endoaquepts
Newhaven-----	Fine-loamy, mixed, superactive, mesic Aquic Argiudolls
Nolin-----	Fine-silty, mixed, active, mesic Dystric Fluventic Eutrudepts
Orthents-----	Fine-loamy, mixed, active, nonacid, mesic Typic Udorthents
Parke-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Patton-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Petrolia-----	Fine-silty, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
Piopolis-----	Fine-silty, mixed, active, acid, mesic Fluvaquentic Endoaquepts
Racoon-----	Fine-silty, mixed, superactive, mesic Typic Endoaqualfs
Ridgway-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Roby-----	Coarse-loamy, mixed, superactive, mesic Aquic Hapludalfs
Ruark-----	Fine-loamy, mixed, active, mesic Typic Endoaqualfs
Sarpy-----	Mixed, mesic Typic Udipsamments
*Sciotoville-----	Fine-loamy, mixed, active, mesic Fragiaquic Hapludalfs
Sexton-----	Fine, smectitic, mesic Typic Endoaqualfs
Sharon-----	Coarse-silty, mixed, active, acid, mesic Oxyaquic Udifluvents
Skelton-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Springerton-----	Fine-loamy, mixed, active, mesic Typic Endoaquolls
Stonelick-----	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udifluvents
Stoy-----	Fine-silty, mixed, superactive, mesic Fragiaquic Hapludalfs
Sylvan-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Uniontown-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Wakeland-----	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Weir-----	Fine, smectitic, mesic Typic Endoaqualfs
Wellston-----	Fine-silty, mixed, active, mesic Ultic Hapludalfs
Wynoose-----	Fine, smectitic, mesic Typic Albaqualfs
Zanesville-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Zipp-----	Fine, mixed, active, nonacid, mesic Typic Endoaquepts