

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

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

**A Subset of MLRA 113 & 114B**

**April 2006**

This correlation was prepared by John C. Doll, Soil Scientist, NRCS, Champaign, Illinois, Gary Struben, Soil Data Quality Specialist (SDQS), MLRA Region 11 team, Indianapolis, Indiana, Sam Indorante, MLRA Project Leader, Dwayne Williams, NRCS, Soil Scientist, and Bryan Fitch, NRCS, Soil Scientist. Jacey Jones, NRCS, Soil Scientist, Jon Bathgate, NRCS, GIS Specialist; Matt McCauley, NRCS Resource Soil Scientist, provided information relating to the recorrelation of the soils in Washington County, a subset of MLRA 113 & 114B. A correlation conference was held from August 23 to August 25, 2005. Those participating in the conference were the same people previously listed and Dena Marshall, NRCS, Soil Scientist, Indiana.

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 Washington County soil maps, the descriptive legend in the "Classification and Correlation of the Soils of Washington County, Illinois" – 1998, and the text and tables in the published Washington County Soil Survey Report (also designated as Illinois Agricultural Experiment Station Report No. 162) – 1998.

Headnote for detailed soil survey legend:

This update of Washington County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Areas (MLRA) 113 & 114B. Map units and their symbols and special and conventional symbols are consistent between subsets that are being updated. Most map unit symbols consist of a combination of numbers and letters. The initial numbers represent the kind of soil. A 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 Washington County, Illinois

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

Field symbols	Field map unit name	Publication symbol	Approved map unit name
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
4B	Richview silt loam, 2 to 5 percent slopes	4B	Richview silt loam, 2 to 5 percent slopes
4C2	Richview silt loam, 5 to 10 percent slopes, eroded	4C2	Richview silt loam, 5 to 10 percent slopes, eroded
5C2	Blair silt loam, 5 to 10 percent slopes, eroded	5C2	Blair silt loam, 5 to 10 percent slopes, eroded
5C3 5C3	Blair silty clay loam, 5 to 10 percent slopes, severely eroded Blair silt loam, 5 to 10 percent slopes, severely eroded	5C3	Blair silty clay loam, 5 to 10 percent slopes, severely eroded
5D 5D	Blair silt loam, 10 to 18 percent slopes Blair silt loam, 10 to 15 percent slopes	5D	Blair silt loam, 10 to 18 percent slopes
5D3 5D3	Blair silty clay loam, 10 to 18 percent, severely eroded Blair silt loam, 10 to 15 percent slopes, severely eroded	5D3	Blair silty clay loam, 10 to 18 percent, severely eroded
214D 214D3	Hosmer silt loam, 10 to 18 percent slopes Hosmer silt loam, 10 to 18 percent slopes, severely eroded		
7D3 7D3	Atlas silty clay loam, 10 to 15 percent slopes, severely eroded Atlas silty clay loam, 10 to 18 percent slopes, severely eroded	7D3	Atlas silty clay loam, 10 to 18 percent slopes, severely eroded
8D2 8D2	Hickory silt loam, 10 to 15 percent slopes, eroded Hickory silt loam, 10 to 18 percent slopes, eroded	8D2	Hickory silt loam, 10 to 18 percent slopes, eroded
8D3 8D3	Hickory silty clay loam, 10 to 15 percent slopes, severely eroded Hickory clay loam, 10 to 18 percent slopes, severely eroded	8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8E 8F	Hickory silt loam, 15 to 30 percent slopes Hickory silt loam, 18 to 35 percent slopes	8F	Hickory silt loam, 18 to 35 percent slopes
8E 8E3 8F2	Hickory silt loam, 15 to 30 percent slopes Hickory clay loam, 15 to 30 percent slopes, severely eroded Hickory silt loam, 18 to 35 percent slopes, eroded	8F2	Hickory silt loam, 18 to 35 percent slopes, eroded

Soil Correlation of Washington County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
8E3	Hickory clay loam, 15 to 30 percent slopes, severely eroded	8F3	Hickory clay loam, 18 to 35 percent slopes, severely eroded
8F3	Hickory clay loam, 18 to 35 percent slopes, severely eroded		
8G	Hickory silt loam, 35 to 70 percent slopes	8G	Hickory silt loam, 35 to 70 percent slopes
8G	Hickory silt loam, 30 to 60 percent slopes		
12	Wynoose silt loam	12A	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
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
16	Rushville silt loam	31A	Pierron silt loam, 0 to 2 percent slopes
31A	Pierron silt loam, 0 to 2 percent slopes		
165	Weir silt loam		
46A	Herrick silt loam, 0 to 2 percent slopes	46A	Herrick silt loam, 0 to 2 percent slopes
48	Ebbert silt loam	48A	Ebbert silt loam, 0 to 2 percent slopes
48A	Ebbert silt loam, 0 to 2 percent slopes		
50	Virden silt loam	50A	Virden silt loam, 0 to 2 percent slopes
50A	Virden silt loam, 0 to 2 percent slopes		
79B2	Menfro silt loam, 2 to 5 percent slopes, eroded	79B2	Menfro silt loam, 2 to 5 percent slopes, eroded
308B2	Alford silt loam, 2 to 5 percent slopes, eroded		
79C2	Menfro silt loam, 5 to 10 percent slopes, eroded	79C2	Menfro silt loam, 5 to 10 percent slopes, eroded
308C2	Alford silt loam, 5 to 10 percent slopes, eroded		
84	Okaw silt loam	84A	Okaw silt loam, 0 to 2 percent slopes
84A	Okaw silt loam, 0 to 2 percent slopes		
112	Cowden silt loam	112A	Cowden silt loam, 0 to 2 percent slopes
112A	Cowden silt loam, 0 to 2 percent slopes		
113A	Oconee silt loam, 0 to 2 percent slopes	113A	Oconee silt loam, 0 to 2 percent slopes

Soil Correlation of Washington County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
113B	Oconee silt loam, 2 to 5 percent slopes	113B	Oconee silt loam, 2 to 5 percent slopes
120 120A	Huey silt loam Huey silt loam, 0 to 2 percent slopes	120A	Huey silt loam, 0 to 2 percent slopes
127B	Harrison silt loam, 2 to 5 percent slopes	127B	Harrison silt loam, 2 to 5 percent slopes
164A	Stoy silt loam, 0 to 2 percent slopes	164A	Stoy silt loam, 0 to 2 percent slopes
164B 164B	Stoy silt loam, 2 to 5 percent slopes Stoy silt loam, 2 to 5 percent slopes	164B	Stoy silt loam, 2 to 5 percent slopes
338A	Hurst silt loam, 0 to 2 percent slopes	338A	Hurst silt loam, 0 to 2 percent slopes
423A 432B	Millstadt silt loam, 0 to 2 percent slopes Geff silt loam, 2 to 5 percent slopes	423A	Millstadt silt loam, 0 to 2 percent slopes
432B	Geff silt loam, 2 to 5 percent slopes	432B	Geff silt loam, 2 to 5 percent slopes
453B 477B	Muren silt loam, 2 to 5 percent slopes Winfield silt loam, 2 to 5 percent slopes	477B	Winfield silt loam, 2 to 5 percent slopes
453C2 477C2	Muren silt loam, 5 to 10 percent slopes, eroded Winfield silt loam, 5 to 10 percent slopes, eroded	477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
308B2 491B2	Alford silt loam, 2 to 5 percent slopes, eroded Ruma silty clay loam, 2 to 5 percent slopes, eroded	491B2	Ruma silty clay loam, 2 to 5 percent slopes, eroded
517A	Marine silt loam, 0 to 2 percent slopes	517A	Marine silt loam, 0 to 2 percent slopes
517A 517B	Marine silt loam, 0 to 2 percent slopes Marine silt loam, 2 to 5 percent slopes	517B	Marine silt loam, 2 to 5 percent slopes
533	Urban land	533	Urban land
214B 582B	Hosmer silt loam, 2 to 5 percent slopes Homen silt loam, 2 to 5 percent slopes	582B	Homen silt loam, 2 to 5 percent slopes
164C2	Stoy silt loam, 5 to 10 percent slopes, eroded	582C2	Homen silt loam, 5 to 10 percent slopes, eroded
214C2	Hosmer silt loam, 5 to 10 percent slopes, eroded		
214C3	Hosmer silt loam, 5 to 10 percent slopes, severely eroded		
582C2	Homen silt loam, 5 to 10 percent slopes, eroded		
796A 920	Huey-Burksville silt loams, 0 to 2 percent slopes Huey-Rushville complex	796A	Huey-Burksville silt loams, 0 to 2 percent slopes

Soil Correlation of Washington County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
797D3 850D3	Hickory-Homen silty clay loams, 10 to 18 percent slopes, severely eroded Hickory-Hosmer complex, 10 to 18 percent slopes, severely eroded	797D3	Hickory-Homen silty clay loams, 10 to 18 percent slopes, severely eroded
801B	Orthents, silty, undulating	801B	Orthents, silty, undulating
821C	Morristown silt loam, 3 to 12 percent slopes	821C	Morristown silt loam, 3 to 12 percent slopes
821G	Morristown channery silt loam, 12 to 60 percent slopes	821G	Morristown channery silt loam, 12 to 60 percent slopes
584C2 878C2	Grantfork silt loam, 5 to 10 percent slopes, eroded Coulterville-Grantfork silt loams, 5 to 10 percent slopes, eroded	878C2	Coulterville-Grantfork silt loams, 5 to 10 percent slopes, eroded
584C3 621C3 878C3	Grantfork silty clay loam, 5 to 10 percent slopes severely eroded Coulterville silty clay loam, 5 to 10 percent slopes, severely eroded Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded	878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded
621B2 880B2 880B2 916B2	Coulterville silt loam, 2 to 5 percent slopes, eroded Darmstadt-Coulterville complex, 2 to 5 percent slopes, eroded Darmstadt-Coulterville silt loams, 2 to 5 percent slopes, eroded Darmstadt-Oconee complex, 2 to 5 percent, eroded	880B2	Darmstadt-Coulterville silt loams, 2 to 5 percent slopes, eroded
880A 882A 909A 916A	Darmstadt-Coulterville complex, 0 to 2 percent slopes Oconee-Darmstadt-Coulterville silt loams, 0 to 2 percent slopes Coulterville-Oconee complex, 0 to 2 percent slopes Darmstadt-Oconee complex, 0 to 2 percent slopes	882A	Oconee-Darmstadt-Coulterville silt loams, 0 to 2 percent slopes
880B2 882B 909B 916B2	Darmstadt-Coulterville complex, 2 to 5 percent slopes, eroded Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes Coulterville-Oconee complex, 2 to 5 percent slopes Darmstadt-Oconee complex, 2 to 5 percent, eroded	882B	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes
621B2 884B2	Coulterville silt loam, 2 to 5 percent slopes, eroded Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded	884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded
885A 941	Viriden-Fosterburg silt loams, 0 to 2 percent slopes Piasa-Viriden complex	885A	Viriden-Fosterburg silt loams, 0 to 2 percent slopes

Soil Correlation of Washington County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
894A 995	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes Piasa-Herrick complex	894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes
900E 908F	Hickory-Wellston, complex, 18 to 30 percent slopes Hickory-Kell silt loams, 18 to 35 percent slopes	908F	Hickory-Kell silt loams, 18 to 35 percent slopes
900G 908G	Wellston-Hickory complex, 30 to 60 percent slopes Kell-Hickory silt loams, 35 to 70 percent slopes	908G	Kell-Hickory silt loams, 35 to 70 percent slopes
880A 912A 912A	Darmstadt-Coulterville complex, 0 to 2 percent slopes Hoyleton-Darmstadt silt loams, 0 to 2 percent slopes Darmstadt-Hoyleton complex, 0 to 2 percent slopes	912A	Hoyleton-Darmstadt silt loams, 0 to 2 percent slopes
912B2 912B2	Hoyleton-Darmstadt silt loams, 2 to 5 percent slopes, eroded Darmstadt-Hoyleton complex, 2 to 5 percent slopes, eroded	912B2	Hoyleton-Darmstadt silt loams, 2 to 5 percent slopes, eroded
929D3 929D3	Hickory-Ava silty clay loams, 10 to 18 percent slopes, severely eroded Hickory-Ava complex, 10 to 18 percent slopes, severely eroded	929D3	Hickory-Ava silty clay loams, 10 to 18 percent slopes, severely eroded
584D2 934D3 934D3	Grantfork silt loam, 10 to 15 percent slopes, eroded Blair-Grantfork complex, 7 to 15 percent slopes, severely eroded Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded	934D3	Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded
991 991A	Huey-Cisne complex Cisne-Huey silt loams, 0 to 2 percent slopes	991A	Cisne-Huey silt loams, 0 to 2 percent slopes
474 993 993A	Piasa silt loam Piasa-Cowden complex Cowden-Piasa silt loams, 0 to 2 percent slopes	993A	Cowden-Piasa silt loams, 0 to 2 percent slopes
1288 1288A	Petrolia silty clay loam, wet 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
1334 1334A	Birds silt loam, wet Birds silt loam, undrained, 0 to 2 percent slopes, frequently flooded	1334A	Birds silt loam, undrained, 0 to 2 percent slopes, frequently flooded
3076A 3108	Otter silt loam, 0 to 2 percent slopes, frequently flooded Bonnie silt loam, frequently flooded	3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded

Soil Correlation of Washington County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
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		
3288	Petrolia silty clay loam, frequently flooded	3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded
3288A	Petrolia silty clay 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		
3334	Birds silt loam, frequently flooded	3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded		
3336	Wilbur silt loam, frequently flooded	3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded
3336A	Wilbur 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		
3787	Banlic silt loam, frequently flooded		
3415	Orion silt loam, frequently flooded	3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded		
7084	Okaw silt loam, rarely flooded	7084A	Okaw silt loam, 0 to 2 percent slopes, rarely flooded
7084A	Okaw silt loam, 0 to 2 percent slopes, rarely flooded		
7122B	Colp silty clay loam, 2 to 5 percent slopes, eroded, rarely flooded	7122B2	Colp silt loam, 2 to 5 percent slopes, eroded, rarely flooded
7122B2	Colp silt loam, 2 to 5 percent slopes, eroded, rarely flooded		
7337A	Creal silt loam, 0 to 2 percent slopes, rarely flooded	7337A	Creal silt loam, 0 to 2 percent slopes, rarely flooded
7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded	7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded
3084	Okaw silty clay loam, frequently flooded	7468A	Lakaskia silt loam, 0 to 2 percent slopes, rarely flooded
7468A	Lakaskia silt loam, 0 to 2 percent slopes, rarely flooded		

Soil Correlation of Washington County, Illinois - continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
8109	Raccoon silt loam, occasionally flooded	8109A	Raccoon silt loam, 0 to 2 percent slopes, occasionally flooded
8109A	Raccoon silt loam, 0 to 2 percent slopes, occasionally flooded		
MW W	Miscellaneous wter Water	MW	Miscellaneous water
W	Water	W	Water

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

None

### **Series or Other Components Added to Previously Correlated Legend for Illinois Agricultural Experiment Station Report No. 162**

Biddle, Bunkum, Burksville, Fosterburg, Homen, Kell, Lakaskia, Menfro, Millstadt, Miscellaneous water, Otter, Pierron, Ruma, and Winfield

### **Series Dropped from Previously Correlated Legend for Illinois Agricultural Experiment Station Report No. 162**

Alford, Banlic, Hosmer, Rushville, Weir, and Wellston

### **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 Washington County was completed in September 1991 and published by the United States Department of Agriculture, Soil Conservation Service in September 1998. (Also designated as Illinois Agricultural Experiment Station Report No. 162). Reference to the prior soil survey and the 1937 soil survey will be included in the literature citation of the manuscript. This update replaces the 1998 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**

No Special Features are shown on the digitized maps in this update.

NRCS-SOI-37a  
 REVISED MAY 2001

Soil Survey Area Washington County

State ILLINOIS

## FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

U.S. DEPARTMENT OF AGRICULTURE  
 NATURAL RESOURCES CONSERVATION SERVICE

Date: April 2006

### SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS	<p>The diagram shows a cross-section of soil delineations. A wavy line separates a top layer labeled 'DsD' from a middle layer labeled 'DrD'. Below 'DrD' is a layer labeled 'W'. A second wavy line separates 'W' from a bottom layer labeled 'DsD'. To the right of the 'W' layer, the letters 'Fe' are written.</p>
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### CULTURAL FEATURES (Optional)

#### BOUNDARIES

County or parish	— — — — —
Field sheet matchline and neatline	—————
Public Land Survey System Section Corner Tics.	┌    ⊥    ⊕

#### ROAD EMBLEMS

Federal	
State	

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

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

Field Symbol	Publication Symbol
2	2A
2A	2A
3A	3A
3B	3B
4B	4B
4C2	4C2
5C2	5C2
5C3	5C3
5D	5D
5D3	5D3
7D3	7D3
8D2	8D2
8D3	8D3
8E	8F
8E	8F2
8E3	8F2
8E3	8F3
8F	8F
8F2	8F2
8F3	8F3
8G	8G
12	12A
12A	12A
13A	13A
13B	13B
13B2	13B2
14B	14B
14C2	14C2
14C3	14C3
16	31A
31A	31A
46A	46A
48	48A
48A	48A
50	50A
50A	50A
79B2	79B2
79C2	79C2
84	84A
84A	84A
112	112A
112A	112A
113A	113A
113B	113B
120	120A

Field Symbol	Publication Symbol
120A	120A
127B	127B
164A	164A
164B	164B
164C2	582C2
165	31A
214B	582B
214C2	582C2
214C3	582C2
214D	5D3
214D3	5D3
308B2	79B2
308B2	491B2
308C2	79C2
338A	338A
423A	423A
432B	423A
432B	432B
453B	477B
453C2	477C2
474	993A
477B	477B
477C2	477C2
491B2	491B2
517A	517A
517A	517B
517B	517B
533	533
582B	582B
582C2	582C2
584C2	878C2
584C3	878C3
584D2	934D3
621B2	880B2
621B2	884B2
621C3	878C3
796A	796A
797D3	797D3
801B	801B
821C	821C
821G	821G
850D3	797D3
878C2	878C2
878C3	878C3
880A	882A

Field Symbol	Publication Symbol
880A	912A
880B2	880B2
880B2	882B
882A	882A
882B	882B
884B2	884B2
885A	885A
894A	894A
900E	908F
900G	908G
908F	908F
908G	908G
909A	882A
909B	882B
912A	912A
912B2	912B2
916A	882A
916B2	880B2
916B2	882B
920	796A
929D3	929D3
934D3	934D3
941	885A
991	991A
991A	991A
993	993A
993A	993A
995	894A
1288	1288A
1288A	1288A
1334	1334A
1334A	1334A
3076A	3076A
3084	7468A
3108	3076A
3108	3108A
3108A	3108A
3288	3288A
3288A	3288A
3333	3333A
3333A	3333A
3334	3334A
3334A	3334A
3336	3336A
3336A	3336A

Field Symbol	Publication Symbol
3382	3382A
3382A	3382A
3415	3415A
3415A	3415A
3787	3382A
7084	7084A
7084A	7084A
7122B	7122B2
7122B2	7122B2
7337A	7337A
7338A	7338A
7468A	7468A
8109	8109A
8109A	8109A
MW	MW
W	MW
W	W

## ALPHABETIC SOIL MAP LEGEND of Washington County, Illinois

Map Symbol	Soil Name
7D3	Atlas silty clay loam, 10 to 18 percent slopes, severely eroded
14B	Ava silt loam, 2 to 5 percent slopes
14C2	Ava silt loam, 5 to 10 percent slopes, eroded
14C3	Ava silty clay loam, 5 to 10 percent slopes, severely eroded
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
1334A	Birds silt loam, undrained, 0 to 2 percent slopes, frequently flooded
934D3	Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded
5C2	Blair silt loam, 5 to 10 percent slopes, eroded
5D	Blair silt loam, 10 to 18 percent slopes
5C3	Blair silty clay loam, 5 to 10 percent slopes, severely eroded
5D3	Blair silty clay loam, 10 to 18 percent, severely eroded
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
884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded
991A	Cisne-Huey silt loams, 0 to 2 percent slopes
2A	Cisne silt loam, 0 to 2 percent slopes
7122B2	Colp silt loam, 2 to 5 percent slopes, eroded, rarely flooded
878C2	Coulterville-Grantfork silt loams, 5 to 10 percent slopes, eroded
878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded
993A	Cowden-Piasa silt loams, 0 to 2 percent slopes
112A	Cowden silt loam, 0 to 2 percent slopes
7337A	Creal silt loam, 0 to 2 percent slopes, rarely flooded
880B2	Darmstadt-Coulterville silt loams, 2 to 5 percent slopes, eroded
48A	Ebbert silt loam, 0 to 2 percent slopes
432B	Geff silt loam, 2 to 5 percent slopes
127B	Harrison silt loam, 2 to 5 percent slopes
894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes
46A	Herrick silt loam, 0 to 2 percent slopes
929D3	Hickory-Ava silty clay loams, 10 to 18 percent slopes, severely eroded
8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8F3	Hickory clay loam, 18 to 35 percent slopes, severely eroded
797D3	Hickory-Homen silty clay loams, 10 to 18 percent slopes, severely eroded
908F	Hickory-Kell silt loams, 18 to 35 percent slopes
8D2	Hickory silt loam, 10 to 18 percent slopes, eroded
8F	Hickory silt loam, 18 to 35 percent slopes
8F2	Hickory silt loam, 18 to 35 percent slopes, eroded
8G	Hickory silt loam, 35 to 70 percent slopes
582B	Homen silt loam, 2 to 5 percent slopes
582C2	Homen silt loam, 5 to 10 percent slopes, eroded
912A	Hoyleton-Darmstadt silt loams, 0 to 2 percent slopes
912B2	Hoyleton-Darmstadt silt loams, 2 to 5 percent slopes, eroded
3A	Hoyleton silt loam, 0 to 2 percent slopes
3B	Hoyleton silt loam, 2 to 5 percent slopes
796A	Huey-Burksville silt loams, 0 to 2 percent slopes
120A	Huey silt loam, 0 to 2 percent slopes
338A	Hurst silt loam, 0 to 2 percent slopes
7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded
908G	Kell-Hickory silt loams, 35 to 70 percent slopes
7468A	Lakaskia silt loam, 0 to 2 percent slopes, rarely flooded

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

<b>Map Symbol</b>	<b>Soil Name</b>
517A	Marine silt loam, 0 to 2 percent slopes
517B	Marine silt loam, 2 to 5 percent slopes
79B2	Menfro silt loam, 2 to 5 percent slopes, eroded
79C2	Menfro silt loam, 5 to 10 percent slopes, eroded
423A	Millstadt silt loam, 0 to 2 percent slopes
MW	Miscellaneous water
821G	Morristown channery silt loam, 12 to 60 percent slopes
821C	Morristown silt loam, 3 to 12 percent slopes
882B	Oconee- Coulterville-Darmstadt silt loams, 2 to 5 percent slopes
882A	Oconee-Darmstadt-Coulterville silt loams, 0 to 2 percent slopes
113A	Oconee silt loam, 0 to 2 percent slopes
113B	Oconee silt loam, 2 to 5 percent slopes
84A	Okaw silt loam, 0 to 2 percent slopes
7084A	Okaw silt loam, 0 to 2 percent slopes, rarely flooded
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
801B	Orthents, silty, undulating
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded
1288A	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
31A	Pierron silt loam, 0 to 2 percent slopes
8109A	Raccoon silt loam, 0 to 2 percent slopes, occasionally flooded
4B	Richview silt loam, 2 to 5 percent slopes
4C2	Richview silt loam, 5 to 10 percent slopes, eroded
491B2	Ruma silty clay loam, 2 to 5 percent slopes, eroded
164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 5 percent slopes
533	Urban land
885A	Viriden-Fosterburg silt loams, 0 to 2 percent slopes
50A	Viriden silt loam, 0 to 2 percent slopes
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
W	Water
3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded
477B	Winfield silt loam, 2 to 5 percent slopes
477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
12A	Wynoose silt loam, 0 to 2 percent slopes

## NUMERICAL SOIL MAP LEGEND of Washington County, Illinois

Map Symbol	Soil Name
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
4B	Richview silt loam, 2 to 5 percent slopes
4C2	Richview silt loam, 5 to 10 percent slopes, eroded
5C2	Blair silt loam, 5 to 10 percent slopes, eroded
5C3	Blair silty clay loam, 5 to 10 percent slopes, severely eroded
5D	Blair silt loam, 10 to 18 percent slopes
5D3	Blair silty clay loam, 10 to 18 percent, severely eroded
7D3	Atlas silty clay loam, 10 to 18 percent slopes, severely eroded
8D2	Hickory silt loam, 10 to 18 percent slopes, eroded
8D3	Hickory clay loam, 10 to 18 percent slopes, severely eroded
8F	Hickory silt loam, 18 to 35 percent slopes
8F2	Hickory silt loam, 18 to 35 percent slopes, eroded
8F3	Hickory clay loam, 18 to 35 percent slopes, severely eroded
8G	Hickory silt loam, 35 to 70 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
14C2	Ava silt loam, 5 to 10 percent slopes, eroded
14C3	Ava silty clay loam, 5 to 10 percent slopes, severely eroded
31A	Pierron silt loam, 0 to 2 percent slopes
46A	Herrick silt loam, 0 to 2 percent slopes
48A	Ebbert silt loam, 0 to 2 percent slopes
50A	Viriden silt loam, 0 to 2 percent slopes
79B2	Menfro silt loam, 2 to 5 percent slopes, eroded
79C2	Menfro silt loam, 5 to 10 percent slopes, eroded
84A	Okaw silt loam, 0 to 2 percent slopes
112A	Cowden silt loam, 0 to 2 percent slopes
113A	Oconee silt loam, 0 to 2 percent slopes
113B	Oconee silt loam, 2 to 5 percent slopes
120A	Huey silt loam, 0 to 2 percent slopes
127B	Harrison silt loam, 2 to 5 percent slopes
164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 5 percent slopes
338A	Hurst silt loam, 0 to 2 percent slopes
423A	Millstadt silt loam, 0 to 2 percent slopes
432B	Geff silt loam, 2 to 5 percent slopes
477B	Winfield silt loam, 2 to 5 percent slopes
477C2	Winfield silt loam, 5 to 10 percent slopes, eroded
491B2	Ruma silty clay loam, 2 to 5 percent slopes, eroded
517A	Marine silt loam, 0 to 2 percent slopes
517B	Marine silt loam, 2 to 5 percent slopes
533	Urban land
582B	Homen silt loam, 2 to 5 percent slopes
582C2	Homen silt loam, 5 to 10 percent slopes, eroded
796A	Huey-Burksville silt loams, 0 to 2 percent slopes
797D3	Hickory-Homen silty clay loams, 10 to 18 percent slopes, severely eroded
801B	Orthents, silty, undulating
821C	Morristown silt loam, 3 to 12 percent slopes
821G	Morristown channery silt loam, 12 to 60 percent slopes
878C2	Coulterville-Grantfork silt loams, 5 to 10 percent slopes, eroded
878C3	Coulterville-Grantfork silty clay loams, 5 to 10 percent slopes, severely eroded

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

<b>Map Symbol</b>	<b>Soil Name</b>
880B2	Darmstadt-Coulterville silt loams, 2 to 5 percent slopes, eroded
882A	Oconee-Darmstadt-Coulterville silt loams, 0 to 2 percent slopes
882B	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes
884B2	Bunkum-Coulterville silt loams, 2 to 5 percent slopes, eroded
885A	Viriden-Fosterburg silt loams, 0 to 2 percent slopes
894A	Herrick-Biddle-Piasa silt loams, 0 to 2 percent slopes
908F	Hickory-Kell silt loams, 18 to 35 percent slopes
908G	Kell-Hickory silt loams, 35 to 70 percent slopes
912A	Hoyleton-Darmstadt silt loams, 0 to 2 percent slopes
912B2	Hoyleton-Darmstadt silt loams, 2 to 5 percent slopes, eroded
929D3	Hickory-Ava silty clay loams, 10 to 18 percent slopes, severely eroded
934D3	Blair-Grantfork silt loams, 10 to 18 percent slopes, severely eroded
991A	Cisne-Huey silt loams, 0 to 2 percent slopes
993A	Cowden-Piasa silt loams, 0 to 2 percent slopes
1288A	Petrolia silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
1334A	Birds silt loam, undrained, 0 to 2 percent slopes, frequently flooded
3076A	Otter silt loam, 0 to 2 percent slopes, frequently flooded
3108A	Bonnie silt loam, 0 to 2 percent slopes, frequently flooded
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded
3333A	Wakeland silt loam, 0 to 2 percent slopes, frequently flooded
3334A	Birds silt loam, 0 to 2 percent slopes, frequently flooded
3336A	Wilbur silt loam, 0 to 2 percent slopes, frequently flooded
3382A	Belknap silt loam, 0 to 2 percent slopes, frequently flooded
3415A	Orion silt loam, 0 to 2 percent slopes, frequently flooded
7084A	Okaw silt loam, 0 to 2 percent slopes, rarely flooded
7122B2	Colp silt loam, 2 to 5 percent slopes, eroded, rarely flooded
7337A	Creal silt loam, 0 to 2 percent slopes, rarely flooded
7338A	Hurst silt loam, 0 to 2 percent slopes, rarely flooded
7468A	Lakaskia silt loam, 0 to 2 percent slopes, rarely flooded
8109A	Racoon silt loam, 0 to 2 percent slopes, occasionally flooded
MW	Miscellaneous water
W	Water

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

1. Many of the natric consociations and 2 way complexes were correlated to three way complexes because of the St.Clair-Clinton-Washington Counties sodium soil study in the early 1990s. The Correlation Legend describes how map units were converted. The Mapunit History Notes details the specific correlations for each mapping unit.
2. Generally west (MLRA 114B) of IL Highway 127 (Locust and Little Crooked Creeks) the soils that were mapped 880B2 (Darmstadt-Coulterville) on convex slopes are correlated to 882B (Oconee-Coulterville-Darmstadt) with this update. Soils mapped 880B2 on a concave slope are retained as 880B2. The correlation is based on loess depth thickness and the sodium study in St. Clair County.
3. The soils mapped Ava are determined to have horizons that qualify as fragipans. Ava soils classify as Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs.
4. The OSD for Huey classifies these soils as Fine-silty, mixed, superactive, mesic Typic Natraqualfs. The NSSL data for pedon 90IL189002 states that the maximum ESP at less than 16 inches is 14% instead of the required 15%. At 26 inches the ESP is 25%. The margin of error for the lab data does not justify reclassifying Huey and making it a taxadjunct. Use and management of these soils is not affected by the 1% deficiency.
5. Soils originally mapped as Hosmer do not have well developed fragipans. They are a fragic intergrades between Oxyaquic Fragiudalfs and Typic Hapludalfs. These soils are correlated to Homen.
6. The soils mapped as Hoyleton in mapping unit 912A are determined to have a fine particle size control section.
7. The soils originally mapped Piasa in mapping unit 941 have a mollic epipedon. These soils are correlated to Fosterburg with this update.

## Mapunit History Notes For Washington County, Illinois

Map Symbol	Map Unit Name	Mapunit History Notes
14B	Ava silt loam, 2 to 5 percent slopes	The soils mapped Ava are determined to have horizons that qualify as fragipans. These soils classify as Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs.
14C2	Ava silt loam, 5 to 10 percent slopes, eroded	The soils mapped Ava are determined to have horizons that qualify as fragipans. These soils classify as Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs.
14C3	Ava silty clay loam, 5 to 10 percent slopes, severely eroded	The soils mapped Ava are determined to have horizons that qualify as fragipans. These soils classify as Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs.
31A	Pierron silt loam, 0 to 2 percent slopes	Soils originally mapped Weir are now correlated to Pierron. Soils originally mapped Rushville are now correlated to Pierron.
120A	Huey silt loam, 0 to 2 percent slopes	The OSD for Huey classifies these soils as Fine-silty, mixed, superactive, mesic Typic Natraqualfs. The NSSL data for pedon 90IL189002 states that the maximum ESP at less than 16 inches is 14% instead of the required 15%. At 26 inches the ESP is 25%. The margin of error for the lab data does not justify reclassifying Huey and making it a taxadjunct. Use and management of these soils is not affected by the 1% deficiency.
477B	Winfield silt loam, 2 to 5 percent slopes	Winfield soils were correlated from soils previously mapped as Alford and Muren in the published soil surveys. Winfield soils occur on lower positions of backslopes and footslopes of simple and complex slopes where the slope becomes concave.
582B	Homen silt loam, 2 to 5 percent slopes	The soils mapped Hosmer in mapping unit 214 are correlated to Homen with this update.
582C2	Homen silt loam, 5 to 10 percent slopes, eroded	The soils mapped Hosmer in mapping unit 214 are correlated to Homen with this update.
796A	Huey-Burksville silt loams, 0 to 2 percent slopes	The NSSL data for pedon 90IL189002 states that the maximum ESP at less than 16 inches is 14% instead of the required 15%. At 26 inches the ESP is 25%. The margin of error does not justify making Huey a taxadjunct.
797D3	Hickory-Homen silty clay loams, 10 to 18 percent slopes, severely eroded	Hosmer soils are correlated to Homen with this update.
880B2	Darmstadt-Coulterville silt loams, 2 to 5 percent slopes, eroded	Generally west (MLRA 114B) of IL Highway 127 (Locust and Little Crooked Creeks) the soils that were mapped 880B2 (Darmstadt-Coulterville) on convex slopes are correlated to 882B (Oconee-Coulterville-Darmstadt) with this update. Soils mapped 880B2 on a concave slope are retained as 880B2. The correlation is based on loess depth thickness and the sodium study in St. Clair County.

## Mapunit History Notes for Washington County - continued

Map Symbol	Map Unit Name	Mapunit History Notes
882A	Oconee-Darmstadt-Coulterville silt loams, 0 to 2 percent slopes	Generally the correlation boundary is IL Highway 127 (Locust Creek and Little Crooked Creek). Soils mapped 880A (Darmstadt-Coulterville) in Washington County are correlated to 882A (Oconee-Darmstadt-Coulterville) in the western (MLRA 114B) part of the county. Mapping unit 880A is correlated to 912A (Hoyleton-Darmstadt) in the eastern (MLRA 113) part of Washington County. The correlation is based on loess depth thickness and the sodium study in St. Clair County.
882B	Oconee-Coulterville-Darmstadt silt loams, 2 to 5 percent slopes	Generally west (MLRA 114B) of IL Highway 127 (Locust and Little Crooked Creeks) the soils that were mapped 880B2 on a convex slope are correlated to 882B. On a concave slope the correlation was retained as 880B2. The correlation is based on loess depth thickness and the sodium study in St. Clair County.
885A	Virden-Fosterburg silt loams, 0 to 2 percent slopes	Map unit 941A (Piasa-Virden) is correlated to map unit 885A (Virden-Fosterburg). The soils that were mapped Piasa have a mollic epipedon and are correlated to Fosterburg.
908F	Hickory-Kell silt loams, 18 to 35 percent slopes	The soils mapped Wellston are correlated to Kell with this update.
908G	Kell-Hickory silt loams, 35 to 70 percent slopes	The soils mapped Wellston are correlated to Kell with this update.
912A	Hoyleton-Darmstadt silt loams, 0 to 2 percent slopes	The Hoyleton soils in map unit 912A have enough clay to be classified as fine.  Generally west (MLRA 114B) of IL Highway 127, (Locust Creek and Little Crooked Creek), soils mapped 880A (Darmstadt-Coulterville) are correlated to 882A (Oconee-Darmstadt-Coulterville). Mapping unit 880A is correlated to 912A (Hoyleton-Darmstadt) in the eastern (MLRA 113) part of Washington County. The correlation is based on loess depth thickness and the sodium study in St. Clair County.
7468A	Lakaskia silt loam, 0 to 2 percent slopes, rarely flooded	The soils in Washington County that were previously mapped as Okaw (3084) have a mollic epipedon and are correlated to Laskaskia (7468).

## Washington County Correlation Notes by Soil Series

SERIES NAME	SERIES NOTES
Atlas	The typical pedon is from Jefferson County, Illinois.
Ava	The typical pedon is from Edwards County, Illinois. (OSD type location)
Belknap	The typical pedon is from Wabash County, Illinois. (OSD type location)
Biddle	The typical pedon is from St. Clair County, Illinois. (OSD type location)
Birds	The typical pedon is from Lawrence County, Illinois. (OSD type location)
Blair	The typical pedon is from Perry 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.
Bunkum	The typical pedon is from St. Clair County, Illinois (OSD type location)
Burksville	The typical pedon is from Monroe County, Illinois (OSD type location)
Cisne	The typical pedon is from Jasper County, Illinois. (OSD type location)
Colp	The typical pedon is from Franklin County, Illinois.
Coulterville	The typical pedon is from Washington County, Illinois.
Cowden	The typical pedon is from St. Clair County, Illinois.
Creal	The typical pedon is from Franklin County, Illinois.
Darmstadt	The typical pedon is from St. Clair County, Illinois. (OSD type location)
Ebbert	The typical pedon is from Christian County, Illinois.
Fosterburg	The typical pedon is from St. Clair County, Illinois. (OSD type location)
Geff	The typical pedon is from Wayne County, Illinois. (OSD type location)
Grantfork	The typical pedon is from Madison County, Illinois. (OSD type location)
Harrison	The typical pedon is from Christian County, Illinois. (OSD type location)
Herrick	The typical pedon is from Washington County, Illinois.
Hickory	The typical pedon is from Jefferson County, Illinois.
Homen	The typical pedon is from Randolph County, Illinois. (OSD type location)
Hoyleton	The typical pedon is from Shelby County, Illinois. (OSD type location)
Huey	The typical pedon is from Effingham County, Illinois. (OSD type location)
Hurst	The typical pedon is from Williamson County, Illinois. (OSD type location)
Kell	The typical pedon is from Jefferson County, Illinois. (OSD type location)
Lakaskia	The typical pedon is from Washington County, Illinois.
Marine	The typical pedon is from Madison County, Illinois. (OSD type location)
Menfro	The typical pedon is from St. Clair County, Illinois.
Millstadt	The typical pedon is from St. Clair County, Illinois. (OSD type location)
Morristown	The typical pedon is from Randolph County, Illinois.
Oconee	The typical pedon is from St. Clair County, Illinois.
Okaw	The typical pedon is from Jackson County, Illinois. (OSD type location)
Orion	The typical pedon is from Washington County, Illinois.
Otter	The typical pedon is from St. Clair County, Illinois.
Petrolia	The typical pedon is from Clay County, Illinois.
Piasa	The typical pedon is from Christian County, Illinois.
Pierron	The typical pedon is from St. Clair County, Illinois.
Racoon	The typical pedon is from Saline County, Illinois. (OSD type location)
Richview	The typical pedon is from Franklin County, Illinois.
Ruma	The typical pedon is from St. Clair County, Illinois. (OSD type location)
Stoy	The typical pedon is from Gallatin County, Illinois. (OSD type location)
Virden	The typical pedon is from St. Clair County, Illinois.
Wakeland	The typical pedon is from Madison County, Illinois.
Wilbur	The typical pedon is from Washington County, Illinois.
Winfield	The typical pedon is from St. Clair County, Illinois.
Wynoose	The typical pedon is from Wayne County, Illinois. (OSD type location)

## Classification of the Soils of Washington 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
Atlas-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Ava-----	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Belknap-----	Coarse-silty, mixed, active, acid, mesic Fluvaquentic Endoaquepts
Biddle-----	Fine, smectitic, mesic Aquic Argiudolls
Birds-----	Fine-silty, mixed, superactive, nonacid, mesic Typic Fluvaquents
Blair-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Bluford-----	Fine, smectitic, mesic Aeric Fragic Epiaqualfs
Bonnie-----	Fine-silty, mixed, active, acid, mesic Typic Fluvaquents
Bunkum-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Burksville-----	Fine-silty, mixed, superactive, mesic Typic Epiaqualfs
Cisne-----	Fine, smectitic, mesic Mollic Albaqualfs
Colp-----	Fine, smectitic, mesic Aquertic Chromic Hapludalfs
Coulterville-----	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Cowden-----	Fine, smectitic, mesic Mollic Albaqualfs
Creal-----	Fine-silty, mixed, superactive, mesic Aeric Endoaqualfs
Darmstadt-----	Fine-silty, mixed, superactive, mesic Aquic Natrudalfs
Ebbert-----	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Fosterburg-----	Fine, smectitic, mesic Vertic Argiaquolls
Geff-----	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Grantfork-----	Fine-loamy, mixed, superactive, mesic Aeric Epiaqualfs
Harrison-----	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Herrick-----	Fine, smectitic, mesic Aquic Argiudolls
Hickory-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Homen-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Hoyleton-----	Fine, smectitic, mesic Aquollic Hapludalfs
Huey-----	Fine-silty, mixed, superactive, mesic Typic Natraqualfs
Hurst-----	Fine, smectitic, mesic Aeric Chromic Vertic Epiaqualfs
Kell-----	Fine-loamy, mixed, active, mesic Ultic Hapludalfs
Lakaskia-----	Fine, mixed, superactive, mesic Vertic Argiaquolls
Marine-----	Fine, smectitic, mesic Aeric Albaqualfs
Menfro-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Millstadt-----	Fine-silty, mixed, superactive, mesic Aeric Epiaqualfs
Morristown-----	Loamy-skeletal, mixed, active, calcareous, mesic Typic Udorthents
Oconee-----	Fine, smectitic, mesic Udollic Endoaqualfs
Okaw-----	Fine, smectitic, mesic Chromic Vertic Albaqualfs
Orion-----	Coarse-silty, mixed, superactive, nonacid, mesic Aquic Udifluvents
Orthents-----	Fine-silty, mixed, active, nonacid, mesic Typic Udorthents
Otter-----	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Petrolia-----	Fine-silty, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
Piasa-----	Fine, smectitic, mesic Mollic Natraqualfs
Pierron-----	Fine, smectitic, mesic Typic Albaqualfs
Racoon-----	Fine-silty, mixed, superactive, mesic Typic Endoaqualfs
Richview-----	Fine-silty, mixed, superactive, mesic Mollic Oxyaquic Hapludalfs
Ruma-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Stoy-----	Fine-silty, mixed, superactive, mesic Fragiaquic Hapludalfs
Viriden-----	Fine, smectitic, mesic Vertic Argiaquolls
Wakeland-----	Coarse-silty, mixed, superactive, nonacid, mesic Aeric Fluvaquents
Wilbur-----	Coarse-silty, mixed, superactive, mesic Fluvaquentic Eutrudepts
Winfield-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Wynoose-----	Fine, smectitic, mesic Typic Albaqualfs

**Certification Statement**

The MLRA Region 11 Team Leader certifies that:

- a. The fieldwork activities for Washington were completed in December 2004.
- b. Washington County is joined by Perry County to the south, Jefferson and Marion Counties to the east, Clinton County to the north and St. Clair County to the west.
  - Perry County - Update in progress - exact join when the updates are complete.
  - Jefferson County - Update in progress - exact join when the updates are complete.
  - Franklin County - SSURGO certified - exact join exists.
  - Marion County – Update in progress - exact join when the updates are complete.
  - St. Clair County – Updated - exact join once digital maps are checked.
- 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 Washington County, but they are representative of the taxonomic units in MLRA 113 & 114B.
- e. All typical pedons are classified according to the Keys To Soil Taxonomy, Ninth Edition, 2003.
- f. The digital soil maps 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