United States Department of Agriculture

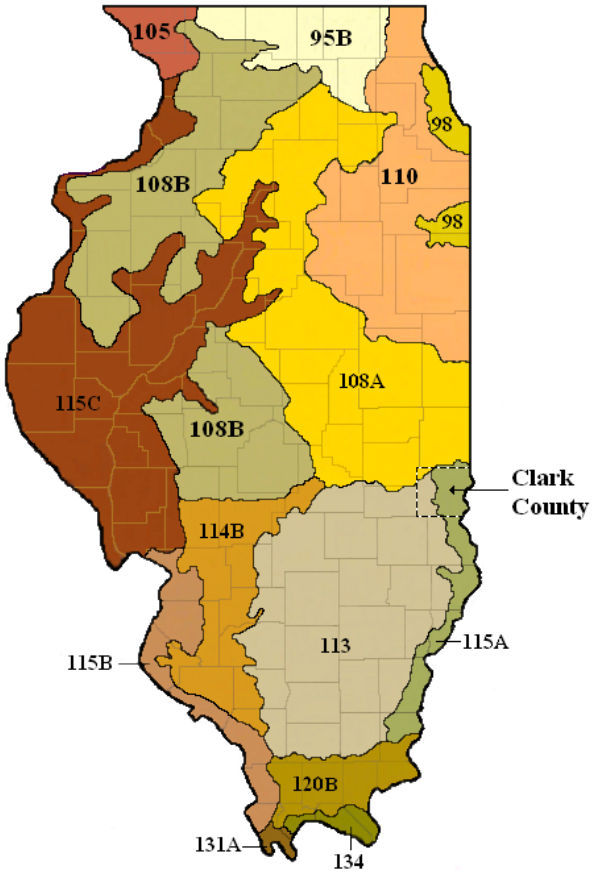
Natural Resources Conservation Service

East Central Glaciated Regional MLRA Soil Survey Office Indianapolis, IN

Classification and Correlation of Soils in Clark County, Illinois

A Subset of MLRA 108A, 113 and 115A

September 2006



LEGEND

95B -- Southern Wisconsin and Northern Illinois Drift Plain

98 -- Southern Michigan and Northern Indiana Drift Plain

105 -- Northern Mississippi Valley Loess Hills

108A and B -- Illinois and Iowa Deep Loess and Drift

110 -- Northern Illinois and Indiana Heavy Till Plain

113 -- Central Claypan Area

114B -- Southern Illinois and Indiana Thin Loess and Till Plain, Western Part

115A, B, and C -- Central Mississippi Valley Wooded Slopes

120B -- Kentucky and Indiana Sandstone and Shale Hills and Valleys, Northwestern Part

131A -- Southern Mississippi Valley Alluvium

134 -- Southern Mississippi Valley Loess

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CLASSIFICATION AND CORRELATION
OF THE SOILS OF
CLARK COUNTY, ILLINOIS

A SUBSET OF MLRA 108A, MLRA 113 and MLRA 115A

September 2006

This correlation amendment was prepared by Ron Collman, Chris Cochran, and Gregory H. Clark, MLRA Soil Scientists, Charleston, IL; John C. Doll, Soil Scientist, Champaign, IL; and Asghar A. Chowdhery, Soil Data Quality Specialist (SDQS) MLRA Region 11 team, Indianapolis, IN. It was prepared as part of the update of the Soil Survey of Clark County, a subset of MLRA's 108A, 113 and 115A. It is based on transect data, pedon descriptions, laboratory data, field soil maps, join statements, and a descriptive legend. Sources used in the literature review include "Classification and Correlation of the Soils of Clark County, Illinois" – December, 1974, and the published "Soil Survey of Clark County, Illinois" – September, 1979.

HEADNOTE FOR DETAILED SOIL SURVEY LEGEND

This update of Clark County, Illinois is an update subset of the Soil Survey of Major Land Resource Areas (MLRA's) 108A, 113 and 115A. Map unit names, the map unit symbols, and special and conventional symbols are consistent between subsets that are being updated. Map unit symbols consist of a combination of numbers and letters. The initial numbers represent the kind of soil. A capital letter following those numbers indicates the class of slope. A final number of 2 following the slope letter indicate 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 unit symbols without a following capital letter are for miscellaneous units.

Soil Correlation Of
Clark County, Illinois

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
2	Cisne silt loam	2A	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
3B	Hoyleton silt loam, 2 to 4 percent slopes		
3C2	Hoyleton silt loam, 4 to 7 percent slopes, eroded		
8F	Hickory silt loam, 18 to 35 percent slopes	8F	Hickory silt loam, 18 to 35 percent slopes
8F2	Hickory loam, 18 to 60 percent slopes, eroded		
8F2	Hickory loam, 18 to 60 percent slopes, eroded	8G	Hickory loam, 35 to 60 percent slopes
8G	Hickory loam, 35 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 4 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 4 percent slopes	14B	Ava silt loam, 2 to 5 percent slopes
14B	Ava silt loam, 2 to 5 percent slopes		
14C2	Ava silt loam, 4 to 7 percent slopes, eroded	14C2	Ava silt loam, 5 to 10 percent slopes, eroded
14C2	Ava silt loam, 5 to 10 percent slopes, eroded		
14D2	Ava silt loam, 7 to 12 percent slopes, eroded		
31A	Pierron silt loam, 0 to 2 percent slopes	31A	Pierron silt loam, 0 to 2 percent slopes
165	Weir silt loam		
48	Ebbert silt loam	48A	Ebbert silt loam, 0 to 2 percent slopes
48A	Ebbert silt loam, 0 to 2 percent slopes		
48	Ebbert silt loam	50A	Virden silt loam, 0 to 2 percent slopes
50A	Virden silt loam, 0 to 2 percent slopes		
79B	Menfro silt loam, 2 to 5 percent slopes	79B	Menfro silt loam, 2 to 5 percent slopes
308B	Alford silt loam, 2 to 7 percent slopes		
79D2	Menfro silt loam, 10 to 18 percent slopes, eroded	79D2	Menfro silt loam, 10 to 18 percent slopes, eroded
308D2	Alford silt loam, 7 to 12 percent slopes, eroded		
109	Racoon silt loam	109A	Racoon silt loam, 0 to 2 percent slopes
109A	Racoon 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 Clark County, Illinois (Continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
113B	Oconee silt loam, 2 to 4 percent slopes	113B	Oconee silt loam, 2 to 5 percent slopes
113B	Oconee silt loam, 2 to 5 percent slopes		
116A	Whitson silt loam, 0 to 2 percent slopes	116A	Whitson silt loam, 0 to 2 percent slopes
165	Weir silt loam		
122B	Colp silt loam, 2 to 5 percent slopes	122B	Colp silt loam, 2 to 5 percent slopes
122B	Colp silt loam, 1 to 7 percent slopes		
122D2	Colp silt loam, 7 to 12 percent slopes, eroded	122D2	Colp silt loam, 10 to 18 percent slopes, eroded
122D2	Colp silt loam, 10 to 18 percent slopes, eroded		
131B	Alvin fine sandy loam, 1 to 4 percent slopes	131B	Alvin fine sandy loam, 2 to 5 percent slopes
131B	Alvin fine sandy loam, 2 to 5 percent slopes		
131C2	Alvin fine sandy loam, 4 to 7 percent slopes, eroded	131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded
131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded		
131D2	Alvin fine sandy loam, 7 to 12 percent slopes, eroded		
132	Starks silt loam	132A	Starks silt loam, 0 to 2 percent slopes
132A	Starks silt loam, 0 to 2 percent slopes		
134A	Camden silt loam, 0 to 2 percent slopes	134A	Camden silt loam, 0 to 2 percent slopes
134B	Camden silt loam, 2 to 7 percent slopes	134B	Camden silt loam, 2 to 5 percent slopes
134B	Camden silt loam, 2 to 5 percent slopes		
134C2	Camden silt loam, 5 to 10 percent slopes, eroded	134C2	Camden silt loam, 5 to 10 percent slopes, eroded
134D2	Camden silt loam, 7 to 15 percent slopes, eroded		
136	Brooklyn silt loam	136A	Brooklyn silt loam, 0 to 2 percent slopes
136A	Brooklyn silt loam, 0 to 2 percent slopes		
138	Shiloh silty clay loam	138A	Shiloh silty clay loam, 0 to 2 percent slopes
138A	Shiloh silty clay loam, 0 to 2 percent slopes		
149	Brenton silt loam	149A	Brenton silt loam, 0 to 2 percent slopes
149A	Brenton silt loam, 0 to 2 percent slopes		
152	Drummer silty clay loam	152A	Drummer silty clay loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 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
927C2	Blair-Atlas silt loams, 4 to 10 percent slopes, eroded		
927C3	Blair-Atlas silty clay loams, 4 to 10 percent slopes, severely eroded		
165	Weir silt loam	165A	Weir silt loam, 0 to 2 percent slopes
165A	Weir silt loam, 0 to 2 percent slopes		

Soil Correlation Of Clark County, Illinois (Continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
175D2	Lamont fine sandy loam, 10 to 18 percent slopes, eroded	175D2	Lamont fine sandy loam, 10 to 18 percent slopes, eroded
175E2	Lamont fine sandy loam, 12 to 25 percent slopes, eroded		
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 4 percent slopes	214B	Hosmer silt loam, 2 to 5 percent slopes
214B	Hosmer silt loam, 2 to 5 percent slopes		
218	Newberry silt loam	218A	Newberry silt loam, 0 to 2 percent slopes
218A	Newberry silt loam, 0 to 2 percent slopes		
219	Millbrook silt loam	219A	Millbrook silt loam, 0 to 2 percent slopes
219A	Millbrook silt loam, 0 to 2 percent slopes		
287	Chauncey silt loam	287A	Chauncey silt loam, 0 to 2 percent slopes
287A	Chauncey silt loam, 0 to 2 percent slopes		
291B	Xenia silt loam, 2 to 5 percent slopes	291B	Xenia silt loam, 2 to 5 percent slopes
291B	Xenia silt loam, 2 to 7 percent slopes		
315	Channahon silt loam	315A	Channahon silt loam, 0 to 2 percent slopes
315A	Channahon silt loam, 0 to 2 percent slopes		
134A	Camden silt loam, 0 to 2 percent slopes	434A	Ridgway silt loam, 0 to 2 percent slopes
434A	Ridgway silt loam, 0 to 2 percent slopes		
134B	Camden silt loam, 2 to 7 percent slopes	434B	Ridgway silt loam, 2 to 5 percent slopes
434B	Ridgway silt loam, 2 to 5 percent slopes		
134D2	Camden silt loam, 7 to 15 percent slopes, eroded	434D2	Ridgway silt loam, 10 to 18 percent slopes, eroded
434D2	Ridgway silt loam, 10 to 18 percent slopes, eroded		
453A	Muren silt loam, 0 to 2 percent slopes	453A	Muren silt loam, 0 to 2 percent slopes
454A	Iva silt loam, 0 to 2 percent slopes		
453B	Muren silt loam, 2 to 5 percent slopes	453B	Muren silt loam, 2 to 5 percent slopes
453B	Muren silt loam, 1 to 6 percent slopes		
27C2	Miami silt loam, 4 to 7 percent slopes, eroded	618C2	Senachwine silt loam, 5 to 10 percent slopes, eroded
618C2	Senachwine silt loam, 5 to 10 percent slopes, eroded		
27C3	Miami clay loam, 4 to 7 percent slopes, severely eroded	618C3	Senachwine clay loam, 5 to 10 percent slopes, severely eroded
618C3	Senachwine clay loam, 5 to 10 percent slopes, severely eroded		
27D2	Miami silt loam, 7 to 15 percent slopes, eroded	618D2	Senachwine silt loam, 10 to 18 percent slopes, eroded
618D2	Senachwine silt loam, 10 to 18 percent slopes, eroded		

Soil Correlation Of Clark County, Illinois (Continued)

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
27D3	Miami clay loam, 7 to 15 percent slopes, severely eroded	618D3	Senachwine clay loam, 10 to 18 percent slopes, severely eroded
618D3	Senachwine clay loam, 10 to 18 percent slopes, severely eroded		
802D	Orthents loamy, 2 to 20 percent slopes	802D	Orthents loamy, 2 to 20 percent slopes
BP	BORROW PIT, BP, B.P.		
DAM	DAM Symbol		
ML	M.L. (Made Land)		
830B	Landfills	830B	Landfills
SANLAN	SANITARY LANDFILL		
8F2	Hickory loam, 18 to 60 percent slopes, eroded	842G	Hickory-Rock outcrop complex, 35 to 60 percent slopes
842G	Hickory-Rock outcrop complex, 35 to 60 percent slopes		
864	Pits, quarries	864	Pits, quarries
LQ	LIMESTONE QUARRY, L.Q.		
QU	QU, QUARRY		
865	Pits, gravel	865	Pits, gravel
GP	GRAVEL PIT, GP, G.P.		
927C2	Blair-Atlas silt loams, 4 to 10 percent slopes, eroded	927C2	Blair-Atlas silt loams, 5 to 10 percent slopes, eroded
927C2	Blair-Atlas silt loams, 5 to 10 percent slopes, eroded		
927C3	Blair-Atlas silty clay loams, 5 to 10 percent slopes, severely eroded	927C3	Blair-Atlas silty clay loams, 5 to 10 percent slopes, severely eroded
927C3	Blair-Atlas silty clay loams, 4 to 10 percent slopes, severely eroded		
8D2	Hickory loam, 7 to 12 percent slopes, eroded	946D2	Hickory-Atlas loams, 10 to 18 percent slopes, eroded
8E2	Hickory loam, 12 to 18 percent slopes, eroded		
14C2	Ava silt loam, 4 to 7 percent slopes, eroded		
946D2	Hickory-Atlas loams, 10 to 18 percent slopes, eroded		
8D3	Hickory clay loam, 7 to 12 percent slopes, severely eroded	946D3	Hickory-Atlas clay loams, 10 to 18 percent slopes, severely eroded
8E3	Hickory clay loam, 12 to 18 percent slopes, severely eroded		
946D3	Hickory-Atlas clay loams, 10 to 18 percent slopes, severely eroded		
2	Cisne silt loam	991A	Cisne-Huey silt loams, 0 to 2 percent slopes
120	Huey silt loam		
991A	Cisne-Huey silt loams, 0 to 2 percent slopes		
28	Jules silt loam	3028A	Jules silt loam, 0 to 2 percent slopes, frequently flooded
3028A	Jules silt loam, 0 to 2 percent slopes, frequently flooded		
71	Darwin silty clay	3071A	Darwin silty clay, 0 to 2 percent slopes, frequently flooded
3071A	Darwin silty clay, 0 to 2 percent slopes, frequently flooded		

Soil Correlation Of Clark County, Illinois (Continued)

Field symbols	Field map unit name	Publication symbol	Approved map unit name
431	Genesee silt loam	3226A	Wirt loam, 0 to 2 percent slopes, frequently flooded
3226A	Wirt loam, 0 to 2 percent slopes, frequently flooded		
284	Tice silty clay loam	3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded
3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded		
288	Petrolia silty clay loam	3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded		
302	Ambraw clay loam	3302A	Ambraw clay loam, 0 to 2 percent slopes, frequently flooded
3302A	Ambraw clay loam, 0 to 2 percent slopes, frequently flooded		
424	Shoals silt loam	3424A	Shoals silt loam, 0 to 2 percent slopes, frequently flooded
3424A	Shoals silt loam, 0 to 2 percent slopes, frequently flooded		
431	Genesee silt loam	3431A	Genesee silt loam, 0 to 2 percent slopes,
3431A	Genesee silt loam, 0 to 2 percent slopes, frequently flooded		
451	Lawson silt loam	3450A	Brouillett silt loam, 0 to 2 percent slopes, frequently flooded
3450A	Brouillett silt loam, 0 to 2 percent slopes, frequently flooded		
597	Armiesburg silty clay loam	3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded
3597A	Armiesburg silty clay loam, 0 to 2 percent slopes, frequently flooded		
665	Stonelick fine sandy loam	3665A	Stonelick loam, 0 to 2 percent slopes, frequently flooded
3665A	Stonelick loam, 0 to 2 percent slopes, frequently flooded		
98B	Ade loamy sand, 1 to 6 percent slopes	7098B	Ade loamy sand, 2 to 5 percent slopes, rarely flooded
7098B	Ade loamy sand, 2 to 5 percent slopes, rarely flooded		
131B	Alvin fine sandy loam, 1 to 4 percent slopes	7131B	Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded
7131B	Alvin fine sandy loam, 2 to 5 percent slopes, rarely flooded		
155B	Stockland sandy loam, 0 to 4 percent slopes	7155A	Stockland gravelly sandy loam, 0 to 2 percent slopes, rarely flooded
7155A	Stockland gravelly sandy loam, 0 to 2 percent slopes, rarely flooded		
155B	Stockland sandy loam, 0 to 4 percent slopes	7155B	Stockland gravelly sandy loam, 2 to 5 percent slopes, rarely flooded
7155B	Stockland gravelly sandy loam, 2 to 5 percent slopes, rarely flooded		

Soil Correlation Of Clark County, Illinois (Continued)

Field symbols	Field map unit name	Publi-cation symbol	Approved map unit name
155C	Stockland sandy loam, 4 to 7 percent slopes	7155C	Stockland gravelly sandy loam, 5 to 10 percent slopes, rarely flooded
7155C	Stockland gravelly sandy loam, 5 to 10 percent slopes, rarely flooded		
175B	Lamont fine sandy loam, 1 to 6 percent slopes	7175B	Lamont fine sandy loam, 2 to 5 percent slopes, rarely flooded
7175B	Lamont fine sandy loam, 2 to 5 percent slopes, rarely flooded		
266B	Disco sandy loam, 1 to 4 percent slopes	7266B	Disco sandy loam, 2 to 5 percent slopes, rarely flooded
7266B	Disco sandy loam, 2 to 5 percent slopes, rarely flooded		
286	Carmi sandy loam	7286A	Carmi sandy loam, 0 to 2 percent slopes, rarely flooded
7286A	Carmi sandy loam, 0 to 2 percent slopes, rarely flooded		
134A	Camden silt loam, 0 to 2 percent slopes	7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded
134B	Camden silt loam, 2 to 7 percent slopes		
7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded		
132	Starks silt loam	7571A	Whitaker loam, 0 to 2 percent slopes, rarely flooded
7571A	Whitaker loam, 0 to 2 percent slopes, rarely flooded		
431	Genesee silt loam	8431A	Genesee sandy loam, 0 to 2 percent slopes, occasionally flooded
8431A	Genesee sandy loam, 0 to 2 percent slopes, occasionally flooded		
665	Stonelick fine sandy loam	8665A	Stonelick fine sandy loam, 0 to 2 percent slopes, occasionally flooded
8665A	Stonelick fine sandy loam, 0 to 2 percent slopes, occasionally flooded		
M-W	Miscellaneous water	M-W	Miscellaneous water
SEWLAG	SEWAGE LAGOON, S.L.		
W	Water		
8F2	Hickory loam, 18 to 60 percent slopes, eroded	W	Water
424	Shoals silt loam		
665	Stonelick fine sandy loam		
W	Water		

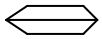
Series established by this correlation: Whitson (re-activated).

Series or components added to the previous correlated legend (December 1974): Brouillett; Landfills; Menfro; Miscellaneous water; Orthents; Pierron; Pits, quarries; Pits, gravel; Ridgway; Senachwine; Virden; Wirt; Whitaker; and Whitson

Series dropped from the previously correlated legend (December 1974): Alford, Iva, Miami, Lawson

Series Made Inactive: None

Standard Landform and Miscellaneous Surface Features Dropped with this Correlation:

Dam	
Dumps and other similar non soil areas	~ ~ ~
Saline spot	+

Verification of exact cooperator names: For the front cover and half-title page:

United States Department of Agriculture
Natural Resources Conservation Service
in Cooperation with
Illinois Agricultural Experiment Station

The cooperators to be listed on the inside of the front cover are the same as those on the front cover, and in addition state: "This soil survey update is part of the technical assistance provided to Clark County Soil and Water Conservation District. Financial assistance was made available by the Clark County Board and the Illinois Department of Agriculture."

The last soil survey of Clark County was completed in 1973 and was published by the United States Department of Agriculture, Natural Resources Conservation Service in 1979. It is Illinois Agricultural Experiment Station Soil Report No. 103, “Soil Survey of Clark County, Illinois". Reference to the prior soil survey will be included in the literature citation of the manuscript. This update replaces the 1979 soil survey and provides additional data, updated soil interpretations, and digital soil maps at a 1:12,000 scale on an orthophoto base.

Disposition of field sheets: The publication soil map materials used for Soil Report No. 103 were compiled using “Ortho-Mapper” software to match orthophoto quarter quads at a scale of 1:12,000. The quarter quads were vectorized and labeled in ArcInfo, and delivered to the Kansas Digitizing Center. The final SSURGO certified product will be available at the Soil Datamart, the NRCS state office, and will be provided to the Clark County Board as part of the cost share cooperative agreement.

Instructions for map compilation and map finishing: The digital maps and supporting documentation will be delivered to the Kansas Digitizing Center. The Charleston MLRA team and GIS staff at the state office will complete a final check before SSURGO certification.

Conventional and special symbols legend: Only those symbols indicated on the attached NRCS-SOILS-37A will be shown on the legend and placed on the maps.

NRCS-SOI-37a
REVISED MAY 2001

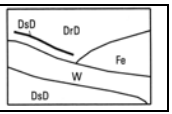
FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Soil Survey Area: Clark County
State: Illinois

Date: 15 May, 2006

SOIL SURVEY FEATURES

SOIL DELINEATIONS AND LABELS	

STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES

Levee	
Short steep slope	.....
Gravel pit	
Gravely spot	
Mine or quarry	
Rock outcrop	
Sandy spot	
Severely eroded spot	
Sinkhole	
Sodic spot	
Wet spot	

AD HOC FEATURES

OBS	26	

CULTURAL FEATURES (Optional)

National, state or providence	
County or parish	
Reservation (national or state forest or park)	
Field sheet matchline and neatline	
Public Land Survey System Section Corner Tics.	

ROAD EMBLEMS

Interstate	
Federal	
State	

DESCRIPTIONS FOR STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES FOR CLARK COUNTY, ILLINOIS

LABEL	NAME	
ERO	Severely eroded spot	An area where on the average 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units that are named severely eroded, very severely eroded, or gullied. Typically 1/4 to 2 acres.
GPI	Gravel pit	An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 1/2 to 2 1/2 acres.
GRA	Gravelly spot	A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area with less than 15 percent fragments. Typically 1/2 to 3 acres.
LVS	Levee	An embankment that confines or controls water, especially one built along the banks of a river to prevent overflow of lowlands.
MPI	Mine or quarry	An open excavation from which soil and underlying material are removed and bedrock is exposed. Also denotes surface openings to underground mines. Typically 1/4 to 3 acres.
ROC	Rock outcrop	An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are shallow over bedrock or where "Rock outcrop" is a named component of the map unit. Typically ¼ to 2 ½ acres.
SAN	Sandy spot	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 1/2 to 3 acres.
SLP	Short, steep slope	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.
SNK	Sinkhole	A closed depression formed either by solution of the surficial rock or by collapse of underlying caves. Typically 1/8 to 1 acre.
SOD	Sodic spot	An area where the surface layer has a sodium adsorption ratio that is at least 10 more than the surrounding map unit which has a sodium adsorption ratio of 5 or less. Typically ¼ to 1 1/2 acres.
WET	Wet spot	A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 1/2 to 2 1/2 acres.
DESCRIPTION FOR AD HOC FEATURES		
OBS	Oil Brine Spot	Saline spot due to oil well activity. An area where the surface layer has an electrical conductivity of 8 mmhos cm -1 more than the surface layer of the named soils in the surrounding map unit, which has an EC of 2 mmhos cm -1 or less. Typically 1/8 to 1 acre.

Soil Map Unit Symbol Conversion Legend, Clark County, Illinois

Field symbol	Publication symbol
2	2A
2	991A
2A	2A
3A	3A
3B	3B
3C2	3B
8D2	946D2
8D3	946D3
8E2	946D2
8E3	946D3
8F	8F
8F2	8F
8F2	8G
8F2	842G
8F2	W
8G	8G
12	12A
12A	12A
13A	13A
13B	13B2
13B2	13B2
14B	14B
14C2	14C2
14C2	946D2
14D2	14C2
27C2	618C2
27C3	618C3
27D2	618D2
27D3	618D3
28	3028A
31A	31A
48	48A
48	50A*
48A	48A
50A	50A
71	3071A
79B	79B
79D2	79D2
98B	7098B
109	109A
109A	109A
112	112A
112A	112A
113A	113A
113B	113B

Field symbol	Publication symbol
116A	116A
120	991A
122B	122B
122D2	122D2
131B	131B
131B	7131B
131C2	131C2
131D2	131C2
132	132A
132	7571A
132A	132A
134A	134A
134A	434A
134A	7434B
134B	134B
134B	434B
134B	7434B
134C2	134C2
134D2	134C2
134D2	434D2
136	136A
136A	136A
138	138A
138A	138A
149	149A
149A	149A
152	152A
152A	152A
155B	7155A
155B	7155B
155C	7155C
164A	164A
164B	164B
165	31A *
165	116A
165	165A *
165A	165A
175B	7175B
175D2	175D2
175E2	175D2
208	208A
208A	208A
214B	214B
218	218A
218A	218A

Field symbol	Publication symbol
219	219A
219A	219A
266B	7266B
284	3284A
286	7286A
287	287A
287A	287A
288	3288A
291B	291B
302	3302A
308B	79B
308D2	79D2
315	315A
315A	315A
424	3424A
424	W
431	3226A
431	3431A
431	8431A *
434A	434A
434B	434B
434D2	434D2
451	3450A
453A	453A
453B	453B
454A	453A
597	3597A
618C2	618C2
618C3	618C3
618D2	618D2
618D3	618D3
665	3665A
665	8665A*
665	W
802D	802D
830B	830B
842G	842G
864	864
865	865
927C2	164B*
927C2	927C2
927C3	164B *
927C3	927C3
946D2	946D2
946D3	946D3

Field symbol	Publication symbol
991A	991A
3028A	3028A
3071A	3071A
3226A	3226A
3284A	3284A
3288A	3288A
3302A	3302A
3424A	3424A
3431A	3431A
3450A	3450A
3597A	3597A
3665A	3665A
7098A	7098A
7131A	7131A
7155A	7155A
7155B	7155B
7155C	7155C
7175B	7175B
7266B	7266B
7286A	7286A
7434B	7434B
7571A	7571A
8431A	8431A
8665A	8665A
B.P.	802D
Borrow Pit	802D
G.P.	865
GP	865
Gravel pit	865
Limestone quarry	864
L.Q.	864
M.L.	802D
QU	864
Quarry	864
Sanitary Landfill	830B
S.L.	M-W
Sewage Lagoon	M-W
W	M-W
W	W
✚	⌀
~~	802D
⟺	802D

* This conversion occurs only at the county line for join purposes

Soil Identification Legend According to Alphabetical Sequence

Map symbol	Approved map unit name
7098B	Ade loamy sand, 2 to 5 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
131C2	Alvin fine sandy loam, 5 to 10 percent slopes, eroded
3302A	Ambraw clay 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
14C2	Ava silt loam, 5 to 10 percent slopes, eroded
927C2	Blair-Atlas silt loams, 5 to 10 percent slopes, eroded
927C3	Blair-Atlas silt loams, 5 to 10 percent slopes, severely eroded
13A	Bluford silt loam, 0 to 2 percent slopes
13B2	Bluford silt loam, 2 to 5 percent slopes, eroded
149A	Brenton silt loam, 0 to 2 percent slopes
136A	Brooklyn silt loam, 0 to 2 percent slopes
3450A	Brouillett silt loam, 0 to 2 percent slopes, frequently flooded
134A	Camden silt loam, 0 to 2 percent slopes
134B	Camden silt loam, 2 to 5 percent slopes
134C2	Camden silt loam, 5 to 10 percent slopes, eroded
7286A	Carmi sandy loam, 0 to 2 percent slopes, rarely flooded
315A	Channahon silt loam, 0 to 2 percent slopes
287A	Chauncey silt loam, 0 to 2 percent slopes
2A	Cisne silt loam, 0 to 2 percent slopes
991A	Cisne-Huey silt loams, 0 to 2 percent slopes
122B	Colp silt loam, 2 to 5 percent slopes
122D2	Colp silt loam, 10 to 18 percent slopes, eroded
112A	Cowden silt loam, 0 to 2 percent slopes
3071A	Darwin silty clay, 0 to 2 percent slopes
7266B	Disco sandy loam, 2 to 5 percent slopes, rarely flooded
152A	Drummer silty clay loam, 0 to 2 percent slopes
48A	Ebbert silt loam, 0 to 2 percent slopes
3431A	Genesee silt loam, 0 to 2 percent slopes, frequently flooded
8431A	Genesee sandy loam, 0 to 2 percent slopes, occasionally flooded
946D2	Hickory-Atlas loam, 10 to 18 percent slopes, eroded
946D3	Hickory-Atlas loam, 10 to 18 percent slopes, severely eroded
8F	Hickory silt loam, 18 to 35 percent slopes
8G	Hickory loam, 35 to 60 percent slopes
842G	Hickory-Rock Outcrop complex, 35 to 60 percent slopes
214B	Hosmer silt loam, 2 to 5 percent slopes
3A	Hoyleton silt loam, 0 to 2 percent slopes
3B	Hoyleton silt loam, 2 to 5 percent slopes
3028A	Jules silt loam, 0 to 2 percent slopes

Map symbol	Approved map unit name
7175B	Lamont fine sandy loam, 2 to 5 percent slopes, rarely flooded
175D2	Lamont fine sandy loam, 10 to 18 percent slopes, eroded
830B	Landfills
79B	Menfro silt loam, 2 to 5 percent slopes
79D2	Menfro silt loam, 10 to 18 percent slopes, eroded
219A	Millbrook silt loam, 0 to 2 percent slopes
453A	Muren silt loam, 0 to 2 percent slopes
453B	Muren silt loam, 2 to 5 percent slopes
218A	Newberry 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
802D	Orthents, loamy, 2 to 20 percent slopes
3288A	Petrolia silty clay loam, 0 to 2 percent slopes, frequently flooded
31A	Pierron silt loam, 0 to 2 percent slopes
865	Pits, gravel
864	Pits, quarries
109A	Racoon 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
434D2	Ridgway silt loam, 10 to 18 percent slopes, eroded
7434B	Ridgway silt loam, 2 to 5 percent slopes, rarely flooded
618C2	Senachwine silt loam, 5 to 10 percent slopes, eroded
618C3	Senachwine silt loam, 5 to 10 percent slopes, severely eroded
618D2	Senachwine silt loam, 10 to 18 percent slopes, eroded
618D3	Senachwine silt loam, 10 to 18 percent slopes, severely eroded
208A	Sexton silt loam, 0 to 2 percent slopes
138A	Shiloh silty clay loam, 0 to 2 percent slopes
3424A	Shoals silt loam, 0 to 2 percent slopes, frequently flooded
132A	Starks silt loam, 0 to 2 percent slopes
7155A	Stockland sandy loam, 0 to 2 percent slopes, rarely flooded
7155B	Stockland sandy loam, 2 to 5 percent slopes, rarely flooded
7155C	Stockland sandy loam, 5 to 10 percent slopes, rarely flooded
3665A	Stonelick loam, 0 to 2 percent slopes, frequently flooded
8665A	Stonelick fine sandy loam, 0 to 2 percent slopes, occasionally flooded
164A	Stoy silt loam, 0 to 2 percent slopes
164B	Stoy silt loam, 2 to 5 percent slopes
3284A	Tice silty clay loam, 0 to 2 percent slopes, frequently flooded
50A	Virden silt loam, 0 to 2 percent slopes
165A	Weir silt loam, 0 to 2 percent slopes
7571A	Whitaker loam, 0 to 2 percent slopes, rarely flooded
116A	Whitson silt loam, 0 to 2 percent slopes
3226A	Wirt loam, 0 to 2 percent slopes, frequently flooded
12A	Wynoose silt loam, 0 to 2 percent slopes

Map symbol	Approved map unit name
291B	Xenia silt loam, 2 to 5 percent slopes

CLASSIFICATION OF PEDONS
SAMPLED FOR LABORATORY ANALYSIS
CLARK COUNTY, ILLINOIS
A SUBSET OF MLRA's 108A, 113 and 115A

A. Laboratory Data from National Soil Survey Laboratory in Lincoln, Nebraska

Sampled As	Lab Number	Publication Symbol	Component Name
Ambraw	S63IL-12-1* (63IL-023-001)	3302A	Ambraw
Alford	63IL-023-001	79B or 79D2	Menfro
Carmi	73IL-023-001	7286A or 7286B	Carmi
Stockland	79IL-023-000	7286A or 7286B	Stockland

B. Laboratory Data from the University of Illinois Pedology Laboratory in Champaign, Illinois

Sampled As	Lab Number	Publication Symbol	Component Name
Bloomfield	S72IL-12-1*	7175B	Lamont taxadjunct
Bluford	S71IL-12-1*	13A or 13B2	Bluford
Bluford	S71IL-12-4*	13A or 13B2	Bluford
Bluford	S71IL-12-5*	13A or 13B2	Bluford
Carmi	S71IL-12-7*	7286A	Carmi
Carmi	S72IL-12-6*	7286A	Carmi
Carmi	S72IL-12-7*	7286A	Carmi
Carmi	S72IL-12-2*	7286A	Carmi
Carmi	S72IL-12-9*	7286A	Carmi
Carmi	S72IL-12-8*	7286A	Carmi
Carmi	S72IL-12-4*	7286A	Carmi
Cisne	U of I-21340-21373; S68IL-023-002	2A	Cisne
Huey var.	S68IL-023-004	2A	Huey incl. in Cisne
Ebbert var.	S69IL-023-002	2A	Cisne
Newberry var.	S69IL-023-003	2A	Newberry incl. in Cisne
Cisne	S69IL-023-004	2A	Cisne
Ebbert var.	S69IL-023-001	48A	Ebbert
Ebbert var.	S67IL-023-001	991A	Ebbert incl. in Cisne-Huey
Colp	S72IL-12-10*	122B	Colp
Darwin	S71IL-12-6*	3071A	Darwin
Hoyleton	S68IL-023-003	3A or 3B	Hoyleton
Petrolia	S72IL-12-11*	3288A	Petrolia
Shiloh	S68IL-023-001	138A	Shiloh
Stockland	S72IL-12-1*	7155A or 7175B	Stockland
Stockland	S72IL-12-3*	7155A or 7175B	Stockland
Stonington	S72IL-12-5*	7155A or 7175B	Stockland
Wynoose	S71IL-12-2*	12A	Wynoose

C. Engineering Test Data from Illinois Department of Transportation, Springfield, Illinois

Sampled As	Lab Number	Publication Symbol	Component Name
Ava	67-14789 to 67-14791	14B or 14C2	Ava
Birds	67-14784 and 67-14785	3424A	Shoals
Carmi	S72IL-12-7*	7286A	Carmi
Cisne	S72IL-12-4*	2A	Cisne
Hickory	S72IL-12-6*	946D2, 946D3, 8F, 8G, or 842G	Hickory
Miami	67-14786 to 67-14788	618C2, 618D2, 618C3, or 618D3	Senachwine
Newberry	S72IL-12-5*	218A	Newberry
Weir	S73IL-12-14*	116A	Whitson

*Laboratory sample numbers that have the number “12” representing Clark County, following the “IL” may be updated in some records to “023”, the County FIPS number for Clark County, Illinois.

Notes to accompany the
Classification and Correlation
of the Soils in
Clark County, Illinois

Prepared by Ron Collman and Greg Clark

Most of these series were previously correlated for soil survey report #103. Series added or dropped are added below.

Standardization of Slope Ranges: All slopes for Clark County have been updated to the standard slope ranges in use at the time of this correlation. Orthents are exceptions.

A -slope -- 0 to 2 percent	B-slope -- 2 to 5 percent	C-slope -- 5 to 10 percent
D-slope -- 10 to 18 percent	F-slope -- 18 to 35 percent	G-slope -- 35 to 60 percent

Units correlated to Rarely flooded: These soils typically occur in areas of the FEMA flood zone or predicted flood area based on flooding data of the Wabash River, elevation maps, and FEMA maps.

Edgar County Joins -- As noted below, joins to Edgar County affect Edgar County correlation. Edgar County will need revision to the MLRA legend, some linking to shared data map units, some minor line changes, and recertification to achieve a perfect join.

Joins: Edgar County will correlate 946D2 from 7D2 at the join. Two units of 927C2 and 1 unit of 927C3 in Clark County went to 164B at join with Edgar. Two units of 14C2 and 1 unit of 8E2 in Clark County went to 946D2 at join to Edgar. Edgar County correlation amendment is needed to add 946D2 to the legend. (See Atlas, Blair, Hickory, and Stoy).

Crawford County Joins -- Two units of 7C2 in Crawford County will be changed to 3B to facilitate join. The maps will need to be re-certified. (See Atlas and Hoyleton).

Coles County Joins – One unit of Lawson in Coles County will be changed to Brouillett to facilitate join. The maps will need to be re-certified.

Ade (tax) -- Ade 98B is correlated to 7098B. DMU is 502663. TUD is 73IL023008.

Taxadjunct Statement: Ade soils in Clark County have more sand and are slightly less acid in the B horizon than is defined for the Ade series. This difference, however, does not affect the use and management of the soils. The taxadjunct classifies as Sandy, mixed, mesic Lamellic Argiudolls.

Alford -- Dropped. See Menfro and Muren.

Alvin -- Alvin 131D2 is correlated to 131C2. Units of 131B and 131C2 on or adjacent to flood plains are correlated to 7131B (rarely flooded). 131B DMU is 153448. 131C2 DMU is 462989. 7131B DMU is 510803. TUD is OSD85IL183024. (See also Lamont).

Ambraw -- Ambraw 302 is correlated to 3302A. OSD is in Clark. 3302A DMU is 497670. TUD is OSD73IL023006.

Armiesburg -- Armiesburg 597 is correlated to 3597A. 3597A DMU is 463564. TUD is 87IL033030.

Atlas (tax's) -- 927C2 DMU is 508320. 927C3 DMU is 508321. 946D2 DMU is 463166. 946D3 DMU is 508322. Atlas TUD is 88IL033021.

Hickory-Atlas Complex, 946D2 and 946D3 map units are added with this correlation. (See Blair and Hickory).

Taxadjunct feature: The Atlas soils in Clark County are taxadjuncts to the series because they do not have vertic properties. This difference, however, does not significantly affect the use and management of the soils. The moderately eroded Atlas soils classify as Fine, smectitic mesic Aquic Hapludalfs. The severely eroded Atlas soils classify as Fine, smectitic, mesic Aeric Endoaqualfs.

Ava -- Ava 14D2 is correlated to 14C2. 14B DMU is 155488. 14C2 DMU is 155489. Ava TUD is OSD51IL047001.

Blair -- Originally correlated as a Fine-loamy, mixed, mesic Aquic Hapludalfs. "Correlation and Classification of the Soils of Clark County" (1974) states: "Blair soils contain about the minimal amount of sand allowed in the range of the series and are marginal to the fine-silty textural family". Blair (fine-silty) is retained instead of fine-loamy Passport. 927C2 DMU is 508320. 927C3 DMU is 508321. Blair TUD is 88IL045059. (See Atlas).

Bluford -- Bluford 13B is correlated to Bluford 13B2, eroded for join with adjacent MLRA update counties. 13A DMU is 155486. 13B2 DMU is 493989. Bluford TUD is OSD86IL033026.

Borrow Pit -- Previously delineated and labeled B.P. or BORROW PIT, but not on legend. This map unit is correlated to 802D, Orthents, loamy. (See Orthents).

Brenton -- Brenton 149 is correlated to Brenton 149A. 149A DMU is 410848. Brenton TUD is OSD01IL113003. Some delineations in the southeastern part of the county were correlated to other map units.

Brooklyn -- Brooklyn 136 is correlated to 136A. 136A DMU is 473145. Brooklyn TUD is OSD98IL041004. Some delineations in the southeastern part of the county were correlated to other units.

Brouillett -- Added. Lawson 451 is correlated to Brouillett 3450A. Descriptions of Lawson soils fit fine-loamy family. 3450A DMU is 132889. Brouillett TUD is OSD91IL045010. (See Lawson).

Camden -- Camden 134D2 is correlated to 134C2. Some short, steep slope symbols were added. 134A DMU is 153463. 134B DMU is 151633. 134C2 DMU is 131428. Camden TUD is OSD77IL019008.

Camden soils mapped in the southern part of the county, away from the moraine and in floodplains are correlated to Ridgway. (See Ridgway).

Carmi -- Carmi 286 is correlated to 7286A. 7286A DMU is 155684. Carmi TUD is OSD00IL023001.

Channahon -- Channahon 315 is correlated to 315A. Some delineations are in areas that could be subject to rare flooding. 315A DMU is 504926. Channahon TUD is 73IL023005.

Chauncey -- Chauncey 287 is correlated to 287A. 287A DMU is 506496. Chauncey TUD is 73IL023002.

Cisne -- Cisne 2 is correlated to 2A. Some areas mapped as Cisne adjacent to Huey soils are correlated to 991A Cisne-Huey Complex. 2A DMU is 155381. Cisne TUD is OSD84IL079040. 991A DMU is 496838. (See Huey).

Colp (tax) -- Colp 122B and 122D2. 122B DMU is 514647. 122D2 DMU is 515047. Colp TUD is 72IL023011.

Taxadjunct Statement: Colp soils in Clark County are less gray in the upper part of the argillic horizon and have less expansive clays than is defined for the series. These differences, however, do not significantly affect the use and management of the soils. They classify as Fine, smectitic, mesic Oxyaquic Hapludalfs.

Cowden -- Cowden 112 is correlated to 112A. 112A DMU is 464214. Cowden TUD is OSDIL135.

Darwin -- Darwin 71 is correlated to 3071A. 3071A DMU is 466013. Darwin TUD is OSD63IL101001.

Disco -- Disco 266B is correlated to 7266B. 7266B DMU is 505084. Disco TUD is 71IL023008. The typical pedon probably has organic carbon content at 50 inches of less than .3, therefore it would classify as Pachic, not Cumulic. The DMU reflects this. However, it is not considered a taxadjunct because there is no lab data to support a change.

Drummer -- Drummer 152 is correlated to 152A. 152A DMU is 151641. Drummer TUD is OSD77IL019034.

Ebbert -- Ebbert 48 is correlated to 48A. Four units of Ebbert (48) were correlated to Virden 50A for the join to Edgar County. 48A DMU is 489440. Ebbert TUD is OSDIL049. (See Virden).

Genesee -- Genesee 431 is correlated to 3431A on the Wabash River floodplain, 431 Genesee is correlated to Genesee 8431A for joins to Edgar County. 431 Genesee is correlated to Wirt 3226A along tributaries and on alluvial fans of tributaries of the Wabash River. 3431A DMU is 515245. 8431A DMU is 514569. Genesee TUD is 87IL045041. (See Wirt).

Hickory -- Hickory 8D2 and 8E2 are correlated to Hickory-Atlas Complex, 946D2; Hickory 8D3 and 8E3 are correlated to Hickory-Atlas Complex, 946D3. This is consistent with other update correlations in MLRA 115A. Hickory 8F2, loam surface is correlated to three map units: 8F, silt loam surface; 8G, loam surface; and Hickory-Rock Outcrop, 842G, loam surface. 8F DMU is 140215. 8G DMU is 508468. 842G DMU is 508469. Hickory TUD is OSDIL005.

Hosmer -- 214B DMU is 464645. Hosmer TUD is 87IL033020.

Hoyleton -- Hoyleton 3C2 is correlated to 3B. 3A DMU is 155382. 3B DMU is 451739. Hoyleton TUD is OSD86IL173058.

Huey -- Huey 120 is correlated to Cisne-Huey Complex 991A. Delineations of 991A will include some adjacent delineations of 2A Cisne. 991A DMU is 496838. Huey TUD is OSD80IL049005. Huey needs to have “n” added to horizonation and there is a typo in one of the depths in the remarks section of the OSD. (See also Cisne).

Iva -- Dropped. (See Muren).

Jules -- Jules 28 is correlated to 3028A. 3028A DMU is 505760. Jules TUD is 71IL023007.

Lamont -- Lamont 175B is correlated to 7175B. Two delineations of Lamont 175B were correlated to Alvin, 131B because they do not appear to be subject to flooding. Lamont 175E2 is correlated to 175D2. 7175B DMU is 505225. 175D2 DMU is 505320. Lamont TUD is 72IL023002. (See Alvin).

Landfill -- Added. Previously on maps labeled "SANITARY LANDFILL", but not on legend. Sanitary Landfill delineation is correlated to 830B. 830B DMU is 154002. (See Sanitary Landfill).

Lawson -- Dropped. (See Brouillett).

Limestone Quarry -- (See Pits, quarries).

Made Land -- (See Orthents).

Menfro -- Added. Alford 308B and 308D2 are correlated to Menfro, 79B and 79D2. Alford was reclassified to an Ultic subgroup since the published survey and it no longer typifies these soils in Clark County. 79B DMU is 463722. 79D2 DMU is 464019. Menfro TUD is 00IL033006.

Millbrook (tax) -- 219 is correlated to 219A. Delineations in the southeastern part of the county were correlated to other units. 219A DMU is 151648. Millbrook TUD is OSD77IL019021.

Taxadjunct feature: The Millbrook soils in this survey area are less gray in the upper part of the argillic horizon than is defined for the series. This difference, however, this does not significantly affect the use and management of these soils. They classify as Fine-silty, mixed, superactive, mesic Aquollic Hapludalfs.

Miami -- Dropped. (See Senachwine).

Miscellaneous Water -- Added. The published survey delineated SEWAGE LAGOON and S.L., but did not recognize them on the legend. These delineations are correlated to miscellaneous water. Other areas of M-W are added to the maps. M-W DMU is 155361.

Muren -- Iva, 454A is correlated to Muren, 453A. Clark County descriptions of the Iva soils classify as Muren. 453A DMU is 155693. 453B DMU is 505536. Muren TUD is 73IL023013. (See Iva).

Newberry -- Newberry 218 is correlated to 218A. 218A DMU is 155517. Newberry TUD is OSD03IL159002.

Oconee -- 113A DMU is 140754. 113B DMU is 142093. Oconee TUD is OSD IL119.

Orthents, loamy -- Added with this correlation. Areas on maps with tilde symbols (~ ~) or the dam symbol  ; or delineated and labeled M.L. , BORROW PIT, or B.P. are correlated to 802D, Orthents loamy, 0 to 20 percent slopes. 802D DMU is 443076. (See Made Land and Borrow Pit).

Petrolia -- Petrolia 288 is correlated to 3288A. 3288A DMU is 465504. Petrolia TUD is 90IL025083.

Pierron -- Added. Weir 165 is correlated to Pierron 31A for join to Crawford County. 31A DMU is 142073. Pierron TUD is OSD. (See Weir).

Pits, quarries -- Added. Areas on maps delineated and identified as LIMESTONE QUARRY, L.Q., and QUARRY are correlated to Pits, quarries 864. 864 DMU is 155280.

Pits, gravel -- Added with this correlation. Areas on maps delineated and identified as GRAVEL PIT, GP, or G.P. are correlated to Pits, gravel 865. 865 DMU is 153492.

Racoon -- Racoon 109 is correlated to 109A. 109A DMU is 492895. Racoon TUD is OSDIL165.

Ridgway -- Added with this correlation. Camden 134A, 134B, and 134D2 are correlated to Ridgway 434A, 434B, and 434D2 in non-flooded areas away from the moraine. In addition, some areas of 134A and 134B are correlated to 7434B. 434A DMU is 459586. 434B DMU is 466026. 434D2 DMU is 508467. 7434B DMU is 510805. Ridgway TUD is OSDIL193. (See Camden).

Sanitary Landfill -- (See Landfill).

Senachwine -- Added. Miami soils (27C2, 27C3, 27D2, 27D3) are correlated to Senachwine series 618C2, 618C3, 618D2, and 618D3. 618C2 DMU is 153459. 618C3 DMU is 154667. 618D2 DMU is 153460. 618D3 DMU is 154668. Senachwine TUD is OSD82IL011187.

Sewage lagoon – (See Miscellaneous Water).

Sexton -- Sexton 208 is correlated to 208A. Some delineations are in areas that could be subject to rare flooding. 208A DMU is 140771. Sexton TUD is OSD04IL045001.

Shiloh -- Shiloh 138 is correlated to 138A. 138A DMU is 464247. Shiloh TUD is OSD81IL049004.

Shoals -- Shoals 424 is correlated to 3424A. Wet spot symbols in Shoals units should be investigated in future updates. 3424A DMU is 140780. Shoals TUD is 88IL045067.

Starks (tax) -- Starks 132 is correlated to Starks taxadjunct, 132A. Some Starks 132 soils mapped adjacent to loamy floodplains on high stream and outwash terraces are correlated to Whitaker, 7571A. 132A DMU is 494347. Starks TUD is 82IL029022. (See Whitaker).

Taxadjunct feature: Starks soils in Clark County are less gray in the upper part of the argillic horizon than is defined for the series. This difference, however, does not affect the use and management of the soils. They classify as Fine-silty, mixed, superactive, mesic Aquic Hapludalfs.

Stockland -- Stockland 155B is correlated to Stockland 7155A and 7155B. Stockland 155C is correlated to 7155C. The Stockland OSD is in Clark County. 7155A DMU is 155506. 7155B DMU is 155507. 7155C DMU is 155508. Stockland TUD is OSD72IL023001.

Stonelick -- Stonelick fine sandy loam 665 is correlated to 3665 loam in most of the county and joining Crawford. 665 is correlated to 8665A fine sandy loam surface for the join to Edgar County. 3665A DMU is 155706. 8665A DMU is 506293. Stonelick TUD is 88IL033047.

Stoy -- 164A DMU is 140765. 164B DMU is 140766. Stoy TUD is OSDIL059.

Tice -- Tice 284 is correlated to 3284A. 3284A DMU is 463698. Tice TUD is 80IL115046.

Virden -- Added. Four units of Ebbert, 48 were correlated to Virden 50A for the join to Edgar County. 50A DMU is 515440. Virden TUD is 90IL045014.

Water -- Water (W). W DMU is 155171.

Weir -- Weir 165 is correlated to three series: Weir 165A for join to Edgar County; Pierron 31A for join to Crawford County; and Whitson 116A in the central part of Clark County. Weir TUD is 88IL045015. DMU is 514489. The Weir soils in this area have more fine and coarser sand in the series control section than is defined for the series. Much of this extra "sand" is sand size manganese nodules. (See Pierron and Whitson).

Whitson -- Weir 165 is correlated to Whitson 116A. Weir was a fine-silty taxadjunct as it was originally mapped in Clark County. The Whitson OSD is to be re-activated with the range to include more acid soils. There are over 28,000 acres of Whitson in Clark County. 116A DMU is 503405. Whitson TUD is new OSD73IL023014.

Whitaker -- Added. Starks 132 soils mapped adjacent to loamy floodplains on high stream and outwash terraces are correlated to Whitaker loam, 7571A. 7571A DMU is 511996. Whitaker TUD is 84IL183052.

Wirt (tax) -- Added. Soils previously mapped as frequently flooded Genesee 431 in tributaries of the Wabash River are correlated to 3226A Wirt. TUD is 06IL023001. DMU is 514499.

Taxadjunct feature: The Wirt soils in Clark County have slightly more clay in the subsoil than is defined for the series. This difference does not affect the use and management of the soils. They classify as Fine-loamy, mixed, superactive, mesic Dystric Fluventic Eutrudepts.

Wynoose -- Wynoose 12 is correlated to 12A. 12A DMU is 155485. Wynoose TUD is OSD84IL191018.

Xenia -- 291B DMU is 151661. Xenia TUD is 76IL019042.

Classification of the Soils

(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
*Ade	Sandy, mixed, mesic Lamellic Argiudolls
Alvin	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Ambraw	Fine-loamy, mixed, superactive, mesic Fluvaquentic Endoaquolls
Armiesburg	Fine-silty, mixed, superactive, mesic Fluventic Hapludolls
*Atlas	Fine, smectitic, mesic Aeric Endoaqualfs
*Atlas	Fine, smectitic, mesic Aquic Hapludalfs
Ava	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Blair	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Bluford	Fine, smectitic, mesic Aeric Fragic Epiaqualfs
Brenton	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Brooklyn	Fine, smectitic, mesic Mollic Albaqualfs
Brouillett	Fine-loamy, mixed, superactive, mesic Aquic Cumulic Hapludolls
Camden	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Carmi	Coarse-loamy, mixed, superactive, mesic Pachic Hapludolls
Channahon	Loamy, mixed, superactive, mesic Lithic Argiudolls
Chauncey	Fine, smectitic, mesic Typic Argialbolls
Cisne	Fine, smectitic, mesic Mollic Albaqualfs
*Colp	Fine, smectitic, mesic Oxyaquic Hapludalfs
Cowden	Fine, smectitic, mesic Mollic Albaqualfs
Darwin	Fine, smectitic, mesic Fluvaquentic Vertic Endoaquolls
Disco	Coarse-loamy, mixed, superactive, mesic Cumulic Hapludolls
Drummer	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Ebbert	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
Genesee	Fine-loamy, mixed, superactive, mesic Fluventic Eutrudepts
Hickory	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Hosmer	Fine-silty, mixed, active, mesic Oxyaquic Fragiudalfs
Hoyleton	Fine, smectitic, mesic Aquollic Hapludalfs
Huey	Fine-silty, mixed, superactive, mesic Typic Natraqualfs
Jules	Coarse-silty, mixed, superactive, calcareous, mesic Typic Udifluvents
Lamont	Coarse-loamy, mixed, superactive, mesic Typic Hapludalfs
Menfro	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
*Millbrook	Fine-silty, mixed, superactive, mesic Aquollic Hapludalfs
Muren	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Newberry	Fine-silty, mixed, superactive, mesic Mollic Endoaqualfs
Oconee	Fine, smectitic, mesic Udollic Endoaqualfs
Orthents	Fine-loamy, mixed, active, nonacid, mesic Aquic Udorthents
Orthents, loamy	Loamy, mesic Udorthents
Petrolia	Fine-silty, mixed, superactive, nonacid, mesic Fluvaquentic Endoaquepts
Pierron	Fine, smectitic, mesic Typic Albaqualfs
Racoon	Fine-silty, mixed, superactive, mesic Typic Endoaqualfs
Ridgway	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Senachwine	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Sexton	Fine, smectitic, mesic Typic Endoaqualfs
Shiloh	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Shoals	Fine-loamy, mixed, superactive, nonacid, mesic Fluventic Endoaquepts
*Starks	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs
Stockland	Loamy-skeletal, mixed, superactive, mesic Pachic Hapludolls
Stonelick	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udifluvents
Stoy	Fine-silty, mixed, superactive, mesic Fragiaquic Hapludalfs
Tice	Fine-silty, mixed, superactive, mesic Fluvaquentic Hapludolls
Virden	Fine, smectitic, mesic Vertic Argiaquolls
Weir	Fine, smectitic, mesic Typic Endoaqualfs
Whitaker	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs
Whitson	Fine-silty, mixed, superactive, mesic Typic Endoaqualfs
*Wirt	Fine-loamy, mixed, superactive, mesic Dystric Fluventic Eutrudepts
Wynoose	Fine, smectitic, mesic Typic Albaqualfs
Xenia	Fine-silty, mixed, superactive, mesic Aquic Hapludalfs

CERTIFICATION STATEMENT

The MLRA Region 11 Team Leader certifies that:

a. The fieldwork activities were completed in September 2005.

b. Clark County, published in 1979, joins seven modern soil surveys all of which are SSURGO certified.

   The Clark County update joins exactly with the following update survey areas:

   Coles County to the northeast.
   Jasper County to the southwest.
   Crawford County to the south.
   Edgar County to the north.

   Clark County joins acceptably with the following survey areas:

   Cumberland County to the west.
   Vigo County, Indiana to the east.
   Sullivan County, Indiana to the southeast

   An exact join will be completed when these counties are updated to the MLRA legend.

c. Interpretations have been coordinated and agree with adjoining survey areas.

d. The location of all typical pedons has been checked for correct location and for the soil delineations using that name. Not all typical pedons are located in Clark County.

e. All typical pedons are classified according to Keys of Soil Taxonomy, ninth edition, 2003.

f. The digital soil maps will be reviewed for accuracy and consistency.

Approval Signatures and Date

/s/

Travis Neely Date
MLRA Region 11 Team Leader
USDA, NRCS
Indianapolis, Indianapolis

/s/

William J. Gradle Date
State Conservationist
USDA, NRCS
Champaign, Illinois