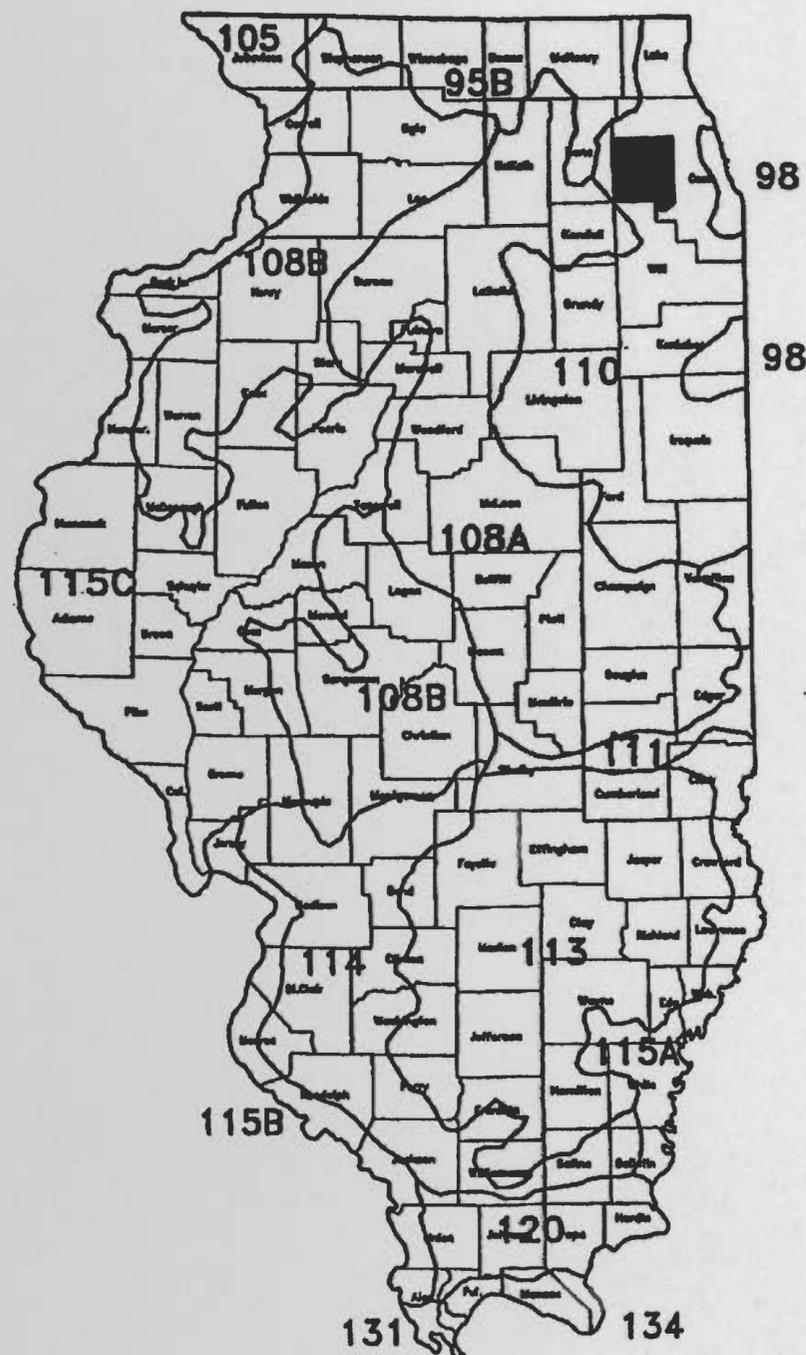


United States
Department of
Agriculture

Natural Resources
Conservation Service

East Central Glaciated
Regional MLRA
Soil Survey Office
Indianapolis, IN

Classification and Correlation of Soils in DuPage County, Illinois



January, 1998

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**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE**

**CLASSIFICATION AND CORRELATION
OF THE SOILS OF
DUPAGE COUNTY, ILLINOIS**

A SUBSET OF MLRA 110

DECEMBER 1997

This correlation was prepared by Asghar A. Chowdhery, Soil Data Quality Specialist (SDQS) MLRA Region 11 team, Indianapolis, IN and Dale E. Calsyn, MLRA team leader, Naperville, IL. It was prepared as part of the update of the Soil Survey of DuPage County, a subset of MLRA 110. A progress field review was held June 10-12, 1997. Those participating were: Asghar A. Chowdhery, MLRA Region 11 SDQS; Dale E. Calsyn, MLRA team leader; Mike Walker, MLRA soil scientist; and LeAnn Colburn, MLRA soil scientist. This correlation is based on decisions arrived at the progress review, updated MUIR tables, transect data, field notes, pedon descriptions, laboratory data, field soil maps, descriptive legend, and the published soil survey report.

HEADNOTE FOR DETAILED SOIL SURVEY LEGEND:

This update of DuPage County, Illinois is an update of a subset of the Soil Survey of Major Land Resource Area (MLRA) 110. Map units and their 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 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.

**SOIL CORRELATION OF
DUPAGE COUNTY, ILLINOIS
DECEMBER 1997**

Field symbols	Field map unit name	Publication symbol	Approved map unit name
23	Blount silt loam	23A	Blount silt loam, 0 to 2 percent slopes
23B	Blount silt loam, 2 to 5 percent slopes	23B	Blount silt loam, 2 to 4 percent slopes
49	Watseka loamy fine sand	49A	Watseka loamy fine sand, 0 to 2 percent slopes
67	Harpster silty clay loam	67A	Harpster silty clay loam, 0 to 2 percent slopes
69	Milford silty clay loam	69A	Milford silty clay loam, 0 to 2 percent slopes
91	Swygert silty clay loam	91A	Swygert silty clay loam, 0 to 2 percent slopes
125	Selma loam	125A	Selma loam, 0 to 2 percent slopes
141	Wesley fine sandy loam	141A	Wesley fine sandy loam, 0 to 2 percent slopes
146	Elliott silt loam	146A	Elliott silt loam, 0 to 2 percent slopes
146B	Elliott silt loam, 2 to 5 percent slopes	146B	Elliott silt loam, 2 to 4 percent slopes
152	Drummer silty clay loam	152A	Drummer silty clay loam, 0 to 2 percent slopes
189	Martinton silt loam	189A	Martinton silt loam, 0 to 2 percent slopes

DUPAGE COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
192	Del Rey silt loam	192A	Del Rey silt loam, 0 to 2 percent slopes
206	Thorp silt loam	206A	Thorp silt loam, 0 to 2 percent slopes
223B	Varna silt loam, 2 to 5 percent slopes	223B	Varna silt loam, 2 to 4 percent slopes
60C2, 294C2	La Rose silt loam, 5 to 10 percent slopes, eroded	223C2	Varna silt loam, 4 to 6 percent slopes, eroded
232	Ashkum silty clay loam	232A	Ashkum silty clay loam, 0 to 2 percent slopes
290C2	Warsaw silt loam, 5 to 10 percent slopes	290C2	Warsaw silt loam, 4 to 6 percent slopes, eroded
298	Beecher silt loam	298A	Beecher silt loam, 0 to 2 percent slopes
298B, 320B	Beecher silt loam, 2 to 5 percent slopes	298B	Beecher silt loam, 2 to 4 percent slopes
318C2	Lorenzo loam, 5 to 10 percent slopes, eroded	318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318D2	Lorenzo loam, 10 to 15 percent slopes, eroded	318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
323C2	Casco loam, 5 to 10 percent slopes, eroded	323C2	Casco loam, 4 to 6 percent slopes, eroded
323D2	Casco loam, 10 to 15 percent slopes, eroded	323D2	Casco loam, 6 to 12 percent slopes, eroded
327B	Fox silt loam, 2 to 6 percent slopes	327B	Fox silt loam, 2 to 4 percent slopes

DUPAGE COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
327C2	Fox silt loam, 4 to 6 percent slopes, eroded	327C2	Fox silt loam, 4 to 6 percent slopes, eroded
330	Peotone silty clay loam	330A	Peotone silty clay loam, 0 to 2 percent slopes
369B, 290B, 2290B	Waupecan silt loam, 1 to 5 percent slopes	369B	Waupecan silt loam, 2 to 4 percent slopes
442	Mundelein silt loam	442A	Mundelein silt loam, 0 to 2 percent slopes
443B	Barrington silt loam, 2 to 5 percent slopes	443B	Barrington silt loam, 2 to 4 percent slopes
494B	Kankakee loam, 2 to 7 percent slopes	494B	Kankakee fine sandy, loam, 2 to 4 percent slopes
503B	Rockton loam, 2 to 7 percent slopes	503B	Rockton silt loam, 2 to 6 percent slopes
329, 300	Will silty clay loam	523A	Dunham silty clay loam, 0 to 2 percent slopes
343, 343A	Kane silt loam	526A	Grundelein silt loam, 0 to 2 percent slopes
194B, 27B, 2194B	Morley silt loam, 2 to 5 percent slopes	530B	Ozaukee silt loam, 2 to 4 percent slopes
194C2, 27C2	Morley silt loam, 5 to 10 percent slopes, eroded	530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
194D, 2194D	Morley silt loam, 7 to 15 percent slopes	530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded

DUPAGE COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
194D3	Morley silty clay loam, 7 to 15 percent slopes, severely eroded	530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
530E	Ozaukee silt loam, 12 to 20 percent slopes	530E	Ozaukee silt loam, 12 to 20 percent slopes
194F	Morley silt loam, 15 to 35 percent slopes	530F	Ozaukee silt loam, 20 to 30 percent slopes
531B	Markham silt loam, 2 to 5 percent slopes	531B	Markham silt loam, 2 to 4 percent slopes
531C2	Markham silt loam, 5 to 10 percent slopes, eroded	531C2	Markham silt loam, 4 to 6 percent slopes, eroded
535	Orthents, stony	535B	Orthents, stony, undulating
536	Dumps	536	Dumps
145B, 294B	Saybrook silt loam, 2 to 5 percent slopes	541B	Graymont silt loam, 2 to 5 percent slopes
557A	Millstream silt loam, 0 to 2 percent slopes	557A	Millstream silt loam, 0 to 2 percent slopes
59, 59A, 293, 293A	Lisbon silt loam	614A	Chenoa silt loam, 0 to 2 percent slopes
696B	Zurich silt loam, 2 to 5 percent slopes	696B	Zurich silt loam, 2 to 4 percent slopes
696C2	Zurich silt loam, 5 to 10 percent slopes, eroded	696C2	Zurich silt loam, 4 to 6 percent slopes, eroded
697, 365	Wauconda silt loam	697A	Wauconda silt loam, 0 to 2 percent slopes
698B	Grays silt loam, 2 to 5 percent slopes	698B	Grays silt loam, 2 to 4 percent slopes

DUPAGE COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
791B	Rush silt loam, 2 to 5 percent slopes	791B	Rush silt loam, 2 to 4 percent slopes
792B	Bowes silt loam, 2 to 5 percent slopes	792B	Bowes silt loam, 2 to 4 percent slopes
392	Urban land-orthents complex, loamy	802B	Orthents, loamy, undulating
802D	Orthents, loamy, 6 to 12 percent slopes	802D	Orthents, loamy, rolling
534, 533	Urban land-orthents, clayey, complex	805B	Orthents, clayey, undulating
926B	Urban land-Drummer-Barrington complex, 1 to 7 slopes	848B	Drummer-Barrington-Mundelein complex, 1 to 6 percent slopes
924A	Urban land-Milford-Martinton complex, 0 to 2 percent slopes	849A	Milford-Martinton complex, 0 to 2 percent slopes
923B	Urban land-Markham-Ashkum complex, 1 to 7 percent slopes	854B	Markham-Ashkum-Beecher complex, 1 to 6 percent slopes
864	Pits, quarry	864	Pits, quarry
865	Pits, gravel	865	Pits, gravel
903	Muskego and Houghton mucks	903A	Muskego and Houghton mucks, 0 to 2 percent slopes
93F	Rodman soils, 15 to 40 percent slopes	969F	Casco-Rodman complex, 20 to 30 percent slopes
1107, 107	Sawmill silty clay loam, wet	1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded

DUPAGE COUNTY, ILLINOIS -- Continued

Field symbols	Field map unit name	Publication symbol	Approved map unit name
1152	Drummer silty clay loam, wet	1152A	Drummer silty clay loam, undrained, 0 to 2 percent slopes
1330	Peotone silty clay loam, wet	1330A	Peotone silty clay loam, undrained, 0 to 2 percent slopes
1516	Faxon silty clay loam, wet	1516A	Faxon silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
1523A	Dunham silty clay loam, 0 to 2 percent slopes, undrained	1523A	Dunham silty clay loam, undrained, 0 to 2 percent slopes
1903	Muskego and Houghton mucks, wet	1903A	Muskego and Houghton mucks, undrained, 0 to 2 percent slopes
2107	Urban land-sawmill complex	3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
316	Romeo silt loam	3316A	Romeo silt loam, 0 to 2 percent slopes, frequently flooded
904	Muskego and Peotone soils, ponded	4904A	Muskego and Peotone soils, ponded, 0 to 2 percent slopes
W	Water	W	Water

Series established by this correlation: None

Series added to previous correlated legend (Soil Report #108 - May 1979): Bowes, Casco, Chenoa, Dunham, Graymont, Grundelein, Millstream, Ozaukee, and Rush

Series dropped (Soil Report #108 - May 1979): Andres, Chatsworth, Frankfort, Kane, La Rose, Lisbon, Miami, Morley, Saybrook, Symerton, and Will

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 the Kane-DuPage Soil and Water Conservation District. Financial assistance was made available by the DuPage County Board and the Illinois Department of Agriculture."

Prior soil survey publication: The last soil survey of DuPage County was completed in 1976 and published by the United States Department of Agriculture, Soil Conservation Service in May 1979. It is Illinois Agricultural Experiment Station Soil Report No. 108, "Soil Survey of DuPage and Part of Cook Counties, Illinois". Reference to the prior soil survey will be included in the literature citation of the manuscript. This survey replaces the 1979 soil survey and provides additional data, updated soil interpretations, and larger soil maps at a 1:12,000 scale on an orthophoto base.

Join statement: DuPage County which was published in 1979 joins three modern day soil surveys. These are Cook, Kane, and Will Counties in Illinois. A perfect join with these adjacent counties has been completed within the geographic area of the recompiled orthoquarter quads.

Cook County to the north, east, and south was published in 1979. It was mapped as a joint project with DuPage County.

Kane County to the west was published in 1979. It is currently an update project with a projected publication date of 1999.

Will County to the south was published in 1962. It is currently an update project with a projected publication date of 2000.

Disposition of field sheets: The original soil maps used for Soil Report #108 were ratioed and then converted from a scale of 1:15,840 to 1:12,000. These maps were then recompiled onto mylars which were orthophoto quarter quads at a scale of 1:12,000. Geographic area of the complete quarter quad was compiled, i.e. map compilation extended beyond the Dupage County line in order to complete the compilation of soils on the photo base. The compiled maps and accompanying material have been delivered to the GIS staff at the Illinois state office. Copies of a computer tape of the final product will remain at the state office, be certified for SSURGO at NCG, and be provided to the DuPage County Board as part of the cost share cooperative agreement.

Instructions for map compilation and map finishing: Map recompilation was completed by the Naperville MLRA team in July 1997. Soils, water, and cultural features were all compiled onto the orthoquarter quads. Symbols for map finishing were those approved for SSURGO standards and as shown in this document. The compiled maps and supporting documentation was delivered to the GIS staff at the Illinois state office in July 1997. These recompiled maps were sent to a contractor for scanning and digitizing in October 1997. The contractor is scheduled to deliver the product January 1998. The Naperville MLRA team and GIS staff at the Illinois state office will complete a final check before delivering the product to NCG for SSURGO certification.

CONVENTIONAL AND SPECIAL SYMBOLS LEGEND

Soil Survey Area: DuPage County
State: Illinois

Date: 1-98

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
CULTURAL FEATURES		CULTURAL FEATURES (cont.)		SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO	
BOUNDARIES		MISCELLANEOUS CULTURAL FEATURES			
National, state, or province		Farmstead, house (omit in urban areas)		SOIL DELINEATIONS AND SOIL SYMBOLS 	
✓ County or parish		Church		LANDFORM FEATURES ESCARPMENTS Bedrock	
Minor civil division		School		✓ Other than bedrock ✓ SHORT STEEP SLOPE	
✓ Reservation (national forest or park, state forest or park)		Other Religion (label)		GULLY	
County Forest Preserve		Located object (label)		✓ DEPRESSION, closed SINKHOLE	
Indian Boundary Line		Tank (label)			
Land grant		Lookout Tower			
Limit of soil survey (label) and/or denied access areas		Oil and/or Natural Gas Wells		EXCAVATIONS PITS	
✓ Field sheet matchline & neatline		Windmill		Borrow pit	
Previously Published Survey		Lighthouse		Gravel pit	
OTHER BOUNDARY (label)				Mine or quarry	
✓ Airport, airfield		HYDROGRAPHIC FEATURES		LANDFILL	
✓ Cemetery		STREAMS		MISCELLANEOUS SURFACE FEATURES Blowout	
City/county park		✓ Perennial, double line		Clay spot	
STATE COORDINATE TICK		✓ Perennial, single line		✓ Gravelly spot Lava flow	
LAND DIVISION CORNERS (section and land grants)		✓ Intermittent		✓ Marsh or swamp ✓ Rock outcrop (includes sandstone and shale)	
GEOGRAPHIC COORDINATE TICK		✓ Drainage end		Saline spot ✓ Sandy spot	
TRANSPORTATION		DRAINAGE AND IRRIGATION ✓ Double line canal (label)		✓ Severely eroded spot Slide or slip	
✓ Divided roads		✓ Perennial drainage and/or irrigation ditch		Sodie spot Spoil area	
✓ Other roads		Intermittent drainage and/or irrigation ditch		Stony spot Very stony spot	
✓ Trail		SMALL LAKES, PONDS AND RESERVOIRS ✓ Perennial water		Wet spot	
ROAD EMBLEMS & DESIGNATIONS		✓ Miscellaneous water		RECOMMENDED AD HOC SOIL SYMBOLS	
✓ Interstate		Flood pool line		LABEL SYMBOL ID SYMBOL LABEL SYMBOL ID SYMBOL	
✓ Federal				----- 1 ----- * ----- 23 -----	
✓ State				----- 2 ----- □ ----- 24 -----	
County, farm or ranch				----- 3 ----- □ ----- 25 -----	
✓ RAILROAD				----- 4 ----- X ----- 26 -----	
POWER TRANSMISSION LINE					

LABEL	NAME	DESCRIPTION
BLO	Blowout	A small saucer cup, or trough-shaped hollow or depression formed by wind erosion, on a pre-existing sand deposit. Typically ___ to ___ acres.
BPI	Borrow pit	An open excavation from which soil and underlying material have been removed, usually for road construction. Typically ___ to ___ acres.
CLA	Clay spot	Surface texture is silty clay or clay. Typically ___ to ___ acres.
DEP	Depression, closed	A shallow, saucer-shaped area slightly lower on the landscape than the surrounding area, but without a natural outlet for surface drainage. Typically ___ to ___ acres.
ESB	Escarpment, bedrock	A relatively continuous and steep slope or cliff produced by erosion or faulting breaking the general continuity of more gently sloping land surfaces. Exposed material is hard or soft bedrock.
ESO	Escarpment, other	A relatively continuous and steep slope or cliff generally produced by erosion, but can be produced by faulting breaking the continuity of more gently sloping land surfaces. Exposed nonbedrock material is nonsoil or very shallow, poorly developed soil.
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 ___ to ___ acres.
GRA	Gravelly spot	Surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than 3 inches in diameter. Typically ___ to ___ acres.
GUL	Gully	A very small channel with steep sides cut by running water and through which water ordinarily runs only after a rain or an ice or snow melt. Generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.
LDF	Landfill	An area of accumulated waste products of human habitation which can be above or below natural ground level. Typically ___ to ___ acres.
LAV	Lava flow	A solidified body of rock formed from lateral, surficial outpouring of molten lava from a vent or fissure. Often lobate in shape. Typically ___ to ___ acres.
LVS	Levee	An embankment to confine or control water, especially one built along the banks of a river to prevent overflow of lowlands.
MAR	Marsh or swamp	A water saturated, very poorly drained area, intermittently or permanently water-covered. Marsh areas are dominantly covered by sedges, cattails, and rushes. Swamps are dominantly covered by trees or shrubs. Not used in map units where poorly drained or very poorly drained soils are the named components. Typically ___ to ___ acres.
MPI	Mine or quarry	An open excavation from which soil and underlying material is removed exposing the bedrock. Also used to denote surface openings to underground mines. Typically ___ to ___ acres.
MIS	Miscellaneous water	Small manmade water area used for industrial, sanitary, or mining applications that contain water most of the year. Typically ___ to ___ acres.
WAT	Perennial water	Small natural or manmade lake, pond, or pit that contains water most of the year. Typically ___ to ___ 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. Typically ___ to ___ acres.
SAL	Saline spot	Surface layer with an electrical conductivity of 8 decisiemens per meter more than the surface layer of the named soils in the surrounding map unit, which has an EC of 4 decisiemens per meter or less. Typically ___ to ___ acres.
SAN	Sandy spot	Surface layer with sand content greater than 75 percent in areas where the surface layer of the named soils of the surrounding map unit have less than about 25 percent sand. Typically ___ to ___ acres.
ERO	Severely eroded spot	An area where on the average 75 percent or more of the original surface layer has been lost from accelerated erosion. Typically ___ to ___ acres.
SLP	Short, steep slope	Narrow soil area that has slopes that are at least 2 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. Complexes of sinkholes in carbonate-rock terrain are the main components of karst topography. Typically ___ to ___ acres.
SLI	Slide or slip	Prominent landform scars or ridges caused by fairly recent mass movement or descent of earthy material resulting from failure of earth or rock under shear stress along one or several surfaces. Typically ___ to ___ acres.

**GUIDELINES FOR USE OF CONVENTIONAL AND SPECIALS SYMBOLS
FOR
DUPAGE COUNTY, ILLINOIS
A SUBSET OF MLRA 110
Scale - 1:12,000**

<u>DESCRIPTION</u>	<u>LABEL</u>	<u>DEFINITIONS AND GUIDELINES</u>
CULTURAL FEATURES		
OTHER BOUNDARY		
Airport	AIRP	These features are labeled with proper names.
Cemetery	CEME	Show if one acre or larger. Label with the proper name or the word cemetery if the tract is large enough. Label smaller cemeteries with the cross symbol.
ROAD EMBLEMS AND DESIGNATIONS		
Interstate, Federal, and State		Use appropriate symbols for interstate, federal, and state roads. Other roads will not be labeled.
RAILROAD		Label with the symbol R.R. within the neatlines to show location of active railroads.
LANDFORM FEATURES		
Soil Sample Site	SOIS	The location in the subset of a typical pedon for a taxonomic unit.
HYDROGRAPHIC FEATURES		
STREAMS		
Perennial, double line	PDDR	Used with streams that are 100 feet or more in width on the landscape or 0.10 inch or more on the atlas sheet. Generally labeled with proper name.
Perennial, single line	PSDR	Streams which generally flow water throughout most the year during years of normal rainfall. They are less than 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.

<u>DESCRIPTION</u>	<u>LABEL</u>	<u>DEFINITIONS AND GUIDELINES</u>
STREAMS (cont.)		
Intermittent	INDR	Streams or drainageways that are free of water during the driest time of year during years of normal rainfall. They are less than 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.
Drainage end	DEND	Shows the point where concentrated water flow stops, and there is no channel within 250 feet or more on the landscape or 0.25 inch or more on the atlas sheet.
DRAINAGE AND IRRIGATION		
Perennial drainage ditch	DDIT	Water channels which have been excavated or straightened and that generally flow water throughout most the year during years normal rainfall. They are less 100 feet in width on the landscape or less than 0.10 inch on the atlas sheet.
SMALL LAKES, PONDS, AND RESERVOIRS		
Perennial water	WAT	Areas which hold water throughout most of the year during years of normal rainfall. Show bodies of water that are one acre or larger and delineate to conform to the photobase imagery. Label the bodies with proper name or the word water if large enough, otherwise label with a w in the smaller bodies.

<u>DESCRIPTION</u>	<u>LABEL</u>	<u>DEFINITIONS AND GUIDELINES</u>
SPECIAL SYMBOLS FOR SOIL SURVEY AND SSURGO		
LANDFORM FEATURES		
ESCARPMENTS other than bedrock	ESO	A relatively steep and continuous slope or cliff produced by erosion or faulting breaking the general continuity of more gently sloping land surfaces. Exposed nonbedrock material is nonsoil or very shallow, poorly developed soil. These areas have an elevation change of 15 feet or greater.
SHORT STEEP SLOPES	SLP	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding unit. It generally represents a drop in elevation from one terrace level to another or from a terrace to bottomland.
DEPRESSION, closed	DEP	A shallow, saucer-shaped area slightly lower on the landform than the surrounding area, but without a natural outlet for surface drainage. Typically 0.5 to 2 acres in size.
MISCELLANEOUS SURFACE FEATURES		
Gravelly spot	GRA	Surface layer has more than 35 percent, by volume, of rock fragments that are mostly less than three inches in diameter. Surface layer of the named soils of the surrounding map unit has less than 15 percent rock fragments. Typically 0.5 to 2 acres in size.
Marsh	MAR	A water saturated, very poorly drained area, intermittently or permanently water-covered. It is dominantly covered by sedges, cattails, and rushes. Typically 0.5 to 2 acres in size.

<u>DESCRIPTION</u>	<u>LABEL</u>	<u>DEFINITIONS AND GUIDELINES</u>
MISCELLANEOUS SURFACE FEATURES (continued)		
Rock outcrop	ROC	An exposure of bedrock at the surface of the earth. Not used where the named soils of the surrounding map unit are very shallow over bedrock. Typically 0.5 to 2 acres in size.
Sandy spot	SAN	Surface layer with sand content greater than 75 percent and clay content less than 10 percent. The surface layer of the named soils of the surrounding map unit have less than 50 percent sand and greater than 10 percent clay. Typically 0.5 to 2 acres in size.
Severely eroded spot	ERC	An area where on average 75 percent or more of the original surface layer has been lost from accelerated erosion. Used only in none to slightly eroded and moderately eroded map units. Typically 0.5 to 2 acres in size.
Wet spot	WET	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 0.5 to 2 acres in size.
RECOMMENDED AD HOC SOIL SYMBOLS		
Calcareous spot	CSP (29)	An area in which the soil contains carbonates in the surface layer. The surface layer of the named soils in the surrounding map unit is noncalcareous. Typically 0.5 to 2 acres in size.
Muck spot	MUC (30)	Poorly drained or very poorly drained area that has a surface layer consisting of organic soil material. The surface layer of the named soils in the surrounding map unit consists of mineral soil material. Typically 0.5 to 2 acres in size.

**CONVERSION LEGEND FOR
DUPAGE COUNTY, ILLINOIS
DECEMBER 1997**

Field symbol	Publi- cation symbol						
W	W	294C2	223C2	791B	791B		
23	23A	298	298A	792B	792B		
23B	23B	298B	298B	802D	802D		
27B	530B	300	523A	864	864		
27C2	530C2	316	3316A	865	865		
49	49A	318C2	318C2	903	903A		
59	614A	318D2	318D2	904	4904A		
59A	614A	320B	298B	923B	854B		
60C2	223C2	323C2	323C2	924A	849A		
67	67A	323D2	323D2	926B	848B		
69	69A	327B	327B	1107	1107A		
91	91A	327C2	327C2	1152	1152A		
93F	969F	329	523A	1330	1330A		
107	1107A	330	330A	1516	1516A		
125	125A	343	526A	1523A	1523A		
141	141A	343A	526A	1903	1903A		
145B	541B	365	697A	2107	3107A		
146	146A	369B	369B	2194B	530B		
146B	146B	392	802B	2194D	530D2		
152	152A	442	442A	2290B	369B		
189	189A	443B	443B				
192	192A	494B	494B				
194B	530B	503B	503B				
194C2	530C2	530E	530E				
194D	530D2	531B	531B				
194D3	530D3	531C2	531C2				
194F	530F	533	805B				
206	206A	534	805B				
223B	223B	535	535B				
232	232A	536	536				
290B	369B	557A	557A				
290C2	290C2	696B	696B				
293	614A	696C2	696C2				
293A	614A	697	697A				
294B	541B	698B	698B				

**MLRA 110
DUPAGE COUNTY SUBSET
ALPHABETICAL IDENTIFICATION LEGEND**

SYMBOL	SOIL NAME
232A	Ashkur silty clay loam, 0 to 2 percent slopes
443B	Barrington silt loam, 2 to 4 percent slopes
298A	Beecher silt loam, 0 to 2 percent slopes
298B	Beecher silt loam, 2 to 4 percent slopes
23A	Blount silt loam, 0 to 2 percent slopes
23B	Blount silt loam, 2 to 4 percent slopes
792B	Bowes silt loam, 2 to 4 percent slopes
323C2	Casco loam, 4 to 6 percent slopes, eroded
323D2	Casco loam, 6 to 12 percent slopes, eroded
969F	Casco-Rodman complex, 20 to 30 percent slopes
614A	Chenoa silt loam, 0 to 2 percent slopes
192A	Del Rey silt loam, 0 to 2 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
1152A	Drummer silty clay loam, undrained, 0 to 2 percent slopes
848B	Drummer-Barrington-Mundelein complex, 1 to 6 percent slopes
536	Dumps
523A	Dunham silty clay loam, 0 to 2 percent slopes
1523A	Dunham silty clay loam, undrained, 0 to 2 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes
146B	Elliott silt loam, 2 to 4 percent slopes
1516A	Faxon silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
327B	Fox silt loam, 2 to 4 percent slopes
327C2	Fox silt loam, 4 to 6 percent slopes, eroded
541B	Graymont silt loam, 2 to 5 percent slopes
698B	Grays silt loam, 2 to 4 percent slopes
526A	Grundelein silt loam, 0 to 2 percent slopes
67A	Harpster silty clay loam, 0 to 2 percent slopes
494B	Kankakee fine sandy loam, 2 to 4 percent slopes
318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
531B	Markham silt loam, 2 to 4 percent slopes
531C2	Markham silt loam, 4 to 6 percent slopes, eroded
854B	Markham-Ashkum-Beecher complex, 1 to 6 percent slopes
189A	Martinton silt loam, 0 to 2 percent slopes
69A	Milford silty clay loam, 0 to 2 percent slopes
849A	Milford-Martinton complex, 0 to 2 percent slopes
557A	Millstream silt loam, 0 to 2 percent slopes
442A	Mundelein silt loam, 0 to 2 percent slopes

SYMBOL	SOIL NAME
903A	Muskego and Houghton mucks, 0 to 2 percent slopes
1903A	Muskego and Houghton mucks, undrained, 0 to 2 percent slopes
4904A	Muskego and Peotone soils, ponded, 0 to 2 percent slopes
805B	Orthents, clayey, undulating
802B	Orthents, loamy, undulating
802D	Orthents, loamy, rolling
535B	Orthents, stony, undulating
530B	Ozaukee silt loam, 2 to 4 percent slopes
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
530E	Ozaukee silt loam, 12 to 20 percent slopes
530F	Ozaukee silt loam, 20 to 30 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes
1330A	Peotone silty clay loam, undrained, 0 to 2 percent slopes
865	Pits, gravel
864	Pits, quarry
503B	Rockton silt loam, 2 to 6 percent slopes
3316A	Romeo silt loam, 0 to 2 percent slopes, frequently flooded
791B	Rush silt loam, 2 to 4 percent slopes
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
125A	Selma loam, 0 to 2 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes
206A	Thorp silt loam, 0 to 2 percent slopes
223B	Varna silt loam, 2 to 4 percent slopes
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
290C2	Warsaw silt loam, 4 to 6 percent slopes, eroded
49A	Watseka loamy fine sand, 0 to 2 percent slopes
697A	Wauconda silt loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 4 percent slopes
141A	Wesley fine sandy loam, 0 to 2 percent slopes
696B	Zurich silt loam, 2 to 4 percent slopes
696C2	Zurich silt loam, 4 to 6 percent slopes, eroded

**MLRA 110
DUPAGE COUNTY SUBSET
NUMERICAL IDENTIFICATION LEGEND**

SYMBOL	SOIL NAME
23A	Blount silt loam, 0 to 2 percent slopes
23B	Blount silt loam, 2 to 4 percent slopes
49A	Watseka loamy fine sand, 0 to 2 percent slopes
67A	Harpster silty clay loam, 0 to 2 percent slopes
69A	Milford silty clay loam, 0 to 2 percent slopes
91A	Swygert silty clay loam, 0 to 2 percent slopes
125A	Selma loam, 0 to 2 percent slopes
141A	Wesley fine sandy loam, 0 to 2 percent slopes
146A	Elliott silt loam, 0 to 2 percent slopes
146B	Elliott silt loam, 2 to 4 percent slopes
152A	Drummer silty clay loam, 0 to 2 percent slopes
189A	Martinton silt loam, 0 to 2 percent slopes
192A	Del Rey silt loam, 0 to 2 percent slopes
206A	Thorp silt loam, 0 to 2 percent slopes
223B	Varna silt loam, 2 to 4 percent slopes
223C2	Varna silt loam, 4 to 6 percent slopes, eroded
232A	Ashkur silty clay loam, 0 to 2 percent slopes
290C2	Warsaw silt loam, 4 to 6 percent slopes, eroded
298A	Beecher silt loam, 0 to 2 percent slopes
298B	Beecher silt loam, 2 to 4 percent slopes
318C2	Lorenzo loam, 4 to 6 percent slopes, eroded
318D2	Lorenzo loam, 6 to 12 percent slopes, eroded
323C2	Casco loam, 4 to 6 percent slopes, eroded
323D2	Casco loam, 6 to 12 percent slopes, eroded
327B	Fox silt loam, 2 to 4 percent slopes
327C2	Fox silt loam, 4 to 6 percent slopes, eroded
330A	Peotone silty clay loam, 0 to 2 percent slopes
369B	Waupecan silt loam, 2 to 4 percent slopes
442A	Mundelein silt loam, 0 to 2 percent slopes
443B	Barrington silt loam, 2 to 4 percent slopes
494B	Kankakee fine sandy loam, 2 to 4 percent slopes
503B	Rockton silt loam, 2 to 6 percent slopes
523A	Dunham silty clay loam, 0 to 2 percent slopes
526A	Grundelein silt loam, 0 to 2 percent slopes
530B	Ozaukee silt loam, 2 to 4 percent slopes
530C2	Ozaukee silt loam, 4 to 6 percent slopes, eroded
530D2	Ozaukee silt loam, 6 to 12 percent slopes, eroded
530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
530E	Ozaukee silt loam, 12 to 20 percent slopes
530F	Ozaukee silt loam, 20 to 30 percent slopes
531B	Markhan silt loam, 2 to 4 percent slopes

SYMBOL	SOIL NAME
531C2	Markham silt loam, 4 to 6 percent slopes, eroded
535B	Orthents, stony, undulating
536	Dumps
541B	Graymont silt loam, 2 to 5 percent slopes
557A	Millstream silt loam, 0 to 2 percent slopes
614A	Chenoa silt loam, 0 to 2 percent slopes
696B	Zurich silt loam, 2 to 4 percent slopes
696C2	Zurich silt loam, 4 to 6 percent slopes, eroded
697A	Wauconda silt loam, 0 to 2 percent slopes
698B	Grays silt loam, 2 to 4 percent slopes
791B	Rush silt loam, 2 to 4 percent slopes
792B	Bowes silt loam, 2 to 4 percent slopes
802B	Orthents, loamy, undulating
802D	Orthents, loamy, rolling
805B	Orthents, clayey, undulating
848B	Drummer-Barrington-Mundelein complex, 1 to 6 percent slopes
849A	Milford-Martinton complex, 0 to 2 percent slopes
854B	Markham-Ashkum-Beecher complex, 1 to 6 percent slopes
864	Pits, quarry
865	Pits, gravel
903A	Muskego and Houghton mucks, 0 to 2 percent slopes
969F	Casco-Rodman complex, 20 to 30 percent slopes
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
1152A	Drummer silty clay loam, undrained, 0 to 2 percent slopes
1330A	Peotone silty clay loam, undrained, 0 to 2 percent slopes
1516A	Faxon silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
1523A	Dunham silty clay loam, undrained, 0 to 2 percent slopes
1903A	Muskego and Houghton mucks, undrained, 0 to 2 percent slopes
3107A	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded
3316A	Romeo silt loam, 0 to 2 percent slopes, frequently flooded
4904A	Muskego and Peotone soils, ponded, 0 to 2 percent slopes

**CLASSIFICATION OF PEDONS SAMPLED FOR LABORATORY
ANALYSIS
FOR
DUPAGE COUNTY, ILLINOIS
A SUBSET OF MLRA 110**

1. Laboratory Data from NSSL

<u>Sampled As</u>	<u>Pedon Number</u>	<u>Approved Series Name</u>
Unnamed ¹	S71IL-043-017	Markham
Drummer	93IL-043-001	Milford. Mapped as an inclusion in Drummer.
Peotone	93IL-043-002	Peotone

2. Laboratory Data from the U of IL Pedology Lab

<u>Sampled As</u>	<u>Pedon Number</u>	<u>Approved Series Name</u>
Morley ¹	S71IL-043-015	Ozaukee

3. Engineering Test Data from IL Dept. of Transportation

<u>Sampled As</u>	<u>Pedon Number</u>	<u>Approved Series Name</u>
Aptakisic ¹	S73IL-043-001	Wauconda
Grays ¹	S74IL-043-001	Grays
Mundelein ¹	S73IL-043-047	Mundelein
Wauconda ¹	S73IL-043-002	Wauconda
Zurich ¹	S73IL-043-003	Zurich

¹ Pedon was previously identified in the "Classification and Correlation of the Soils of DuPage and part of Cook Counties, Illinois", dated August 1976.

**Notes to Accompany the
Classification and Correlation
of the Soils of DuPage County
Prepared by Dale E. Calsyn**

Andres - was previously correlated in soil report #108. The material above the silty clay loam till was found to be predominantly silty rather than loamy. This soil is correlated to Chenoa.

Ashkum - typical pedon is from Will County (OSD 96IL-197-023). The OSD type location was recently relocated within Will County.

Barrington - typical pedon is from Livingston County (86IL-105-051). The OSD type location is presently in Lake County. New typical pedon is needed, since present site is now developed and has been disturbed.

Beecher - typical pedon is from Kankakee County (OSD 97IL-091-002). The type location was recently moved from Will County to Kankakee County.

Blount - typical pedon is from Livingston County (87IL-105-090). The OSD type location was recently moved from Will County Illinois to Ohio.

Bowes - typical pedon is from DuPage County (97IL-043-006).

Casco - typical pedon is from DuPage County (97IL-043-007).

Chatsworth - only 4 acres were previously mapped in soil report #108. This soil was included with Ozaukee.

Chenoa - typical pedon is from Livingston County (OSD 87IL-105-121).

Del Rey - typical pedon is from Iroquois County (OSD 65IL-075-001). Lab samples from U of IL are 19865-19872

Drummer - typical pedon is from Livingston County (88IL-105-074).

Dunham - typical pedon is from DuPage County (97IL-043-003). Transects in the units which were mapped Westland (300) on the original field sheets and later correlated to Will (329) in the published report were found to be dominantly fine-silty and not contrasting.

Elliott - typical pedon is from Livingston County (OSD 85IL-105-034). The OSD type location was recently moved from Will County to Livingston County.

Faxon - pedon is from Grundy County (97IL-063-002).

DuPage County Correlation Notes (continued)

Fox - typical pedon is from DuPage County (97IL-043-011).

Frankfort - only 26 acres were previously mapped in soil report #108. This soil was mapped in areas where the associated soils averaged 35 to 45 percent clay in the particle-size control section. It was included with Beecher.

Graymont - typical pedon is from Livingston County (OSD 90IL-105-001).

Grays - typical pedon is from Lake County (97IL-097-001). Typical pedon for OSD is presently in Lake County, but site is disturbed. New pedon is needed.

Grundelein - typical pedon is from DuPage County (97IL-043-012). Areas that were originally mapped Kane (343) were commonly found to have a particle-size that was fine-silty and not contrasting. Those units were correlated to Grundelein.

Harpster - typical pedon is from Ford County (OSD 67IL-053-001). Lab samples from U of IL are 19767-19773.

Houghton - typical pedon is from Livingston County (88IL-105-027). Mapped in undifferentiated unit with Muskego.

Kane - was previously correlated in soil report #108. This soil was correlated to Grundelein. See "Grundelein" notes.

Kankakee - typical pedon is from Kankakee County (OSD 97IL-091-001). OSD typical pedon was pulled and redescribed.

La Rose - was previously correlated in soil report #108. The glacial till was found to be predominantly silty rather than loamy. Also the particle-size was fine rather than fine-loamy. This soil was correlated to Varna.

Lisbon - was previously correlated in soil report #108. The glacial till was found to be predominantly silty rather than loamy. This soil was correlated to Chenoa.

Lorenzo - typical pedon is from LaSalle County (OSD 97IL-099-001).

Markham - typical pedon is from DuPage County (97IL-043-010). A new typical pedon for the OSD is needed. The present site is in Lake County, and the unit is now developed and disturbed.

DuPage County Correlation Notes (continued)

Martinton - typical pedon is from Livingston County (87IL-105-083). The OSD (type location in Iroquois County, a subset of MLRA 110) was not chosen as the typical pedon. The OSD typical pedon has a silty clay loam surface layer texture. A silt loam surface layer texture is preferred. Of the 10 subsets in MLRA 110 that have correlated Martinton, 9 have a surface layer texture of silt loam.

Miami - was previously correlated in soil report #108. The glacial till was found to be predominantly silty rather than loamy. Also the particle-size was fine rather than fine-loamy. This soil was correlated to Ozaukee.

Milford - typical pedon is from Iroquois County (OSD).

Millstream - typical pedon is from DuPage County (97IL-043-013). Areas of Wauconda which were mapped in the Batavia geologic member commonly had sand and gravel in the lower part of the profile. These units were correlated to Millstream.

Morley - was previously correlated in soil report #108. See "Ozaukee" notes.

Mundelein - typical pedon is from Lake County (97IL-097-005). Present OSD site is also in Lake County, but the unit is now developed and disturbed. Will use pedon 97IL-097-005 for OSD.

Muskego - typical pedon is from DuPage County (97IL-043-014). Mapped in an undifferentiated unit with Houghton.

Ozaukee - typical pedon is from DuPage County (97IL-043-004). Was formerly mapped Morley, but pedons in the county average over 50 percent silt in the lower part of the control section which is outside the range for the Morley series. Family mineralogy for the Ozaukee series was changed from mixed to illitic.

Peotone - typical pedon is from Ford County (OSD 83IL-053-021). The OSD type location was recently moved from Will County to Ford County.

Rockton - typical pedon is from Livingston County (89IL-105-009).

Rodman - typical pedon is from Will County (97IL-197-009). Unit was checked in the field as part of the Will County initial field review.

Romeo - typical pedon is from Will County (96IL-197-020). This pedon will replace the present OSD typical pedon which is also in Will County.

Rush - typical pedon is from Kane County (94IL-089-002).

DuPage County Correlation Notes (continued)

Saybrook - was previously correlated in soil report #108. The glacial till was found to be predominantly silty rather than loamy. This soil was correlated to Graymont.

Sawmill - typical pedon is from Livingston County (86IL-105-052).

Selma - typical pedon is from Grundy County (OSD 97IL-063-003).

Swygert - typical pedon is from Iroquois County (OSD 77IL-075-005). Lab samples from the NSSL are 77P 1071 - 77P 1078.

Symerton - was previously correlated in soil report #108. The material above the silty clay loam till was found to be predominantly silty rather than loamy. This soil was correlated to Graymont.

Thorp - typical pedon is from Livingston County (89IL-105-089).

Varna - typical pedon is from Kankakee County (OSD 97IL-091-003). The map unit 223C2- Varna silt loam, 4 to 6 percent slopes, eroded, in this subset of MLRA 110, have a thinner darker surface layer than is defined as the range for the series. This difference, however, does not significantly affect the use or behavior of the soils.

Warsaw - typical pedon is from Will County (97IL-197-008). Unit was checked in the field as part of the Will County initial field review. The Warsaw soils in this subset of MLRA 110, have a thinner darker surface layer than is defined as the range for the series. This difference, however, does not significantly affect the use or behavior of the soils.

Watseka - typical pedon is from Kankakee County (OSD 97IL-091-004).

Wauconda - typical pedon is from Lake County (97IL-097-002). A new typical pedon for the OSD is needed. The present site is in Lake County, and the unit is now developed and disturbed.

Waupecan - typical pedon is from DuPage County (97IL-043-015).

Wesley - typical pedon is from Livingston County (89IL-105-011). OSD type location which is currently in Cook County needs to be moved since the site is now developed.

Will - was previously correlated in soil report #108. See "Dunham" notes.

Zurich - typical pedon is from Lake County (OSD 97IL-097-004). Present OSD site was resampled and redescribed.

**PRIME FARMLAND
DUPAGE COUNTY, ILLINOIS**

Prime Map Symbol	Farm- land Code	Soil Mapunit Name
23A	2	Blount silt loam, 0 to 2 percent slopes
23B	1	Blount silt loam, 2 to 4 percent slopes
67A	2	Harpster silty clay loam, 0 to 2 percent slopes
69A	2	Milford silty clay loam, 0 to 2 percent slopes
91A	1	Swygert silty clay loam, 0 to 2 percent slopes
125A	2	Selma loam, 0 to 2 percent slopes
141A	1	Wesley fine sandy loam, 0 to 2 percent slopes
146A	1	Elliott silt loam, 0 to 2 percent slopes
146B	1	Elliott silt loam, 2 to 4 percent slopes
152A	2	Drummer silty clay loam, 0 to 2 percent slopes
189A	1	Martinton silt loam, 0 to 2 percent slopes
192A	2	Del Rey silt loam, 0 to 2 percent slopes
206A	2	Thorp silt loam, 0 to 2 percent slopes
223B	1	Varna silt loam, 2 to 4 percent slopes
223C2	1	Varna silt loam, 4 to 6 percent slopes, eroded
232A	2	Ashkum silty clay loam, 0 to 2 percent slopes
290C2	1	Warsaw silt loam, 4 to 6 percent slopes, eroded
298A	2	Beecher silt loam, 0 to 2 percent slopes
298B	1	Beecher silt loam, 2 to 4 percent slopes
327B	1	Fox silt loam, 2 to 4 percent slopes
327C2	1	Fox silt loam, 4 to 6 percent slopes, eroded
330A	2	Peotone silty clay loam, 0 to 2 percent slopes
369B	1	Waupecan silt loam, 2 to 4 percent slopes
442A	1	Mundelein silt loam, 0 to 2 percent slopes
443B	1	Barrington silt loam, 2 to 4 percent slopes
494B	1	Kankakee fine sandy loam, 2 to 4 percent slopes
503B	1	Rockton silt loam, 2 to 6 percent slopes
523A	2	Dunham silty clay loam, 0 to 2 percent slopes
526A	1	Grundelein silt loam, 0 to 2 percent slopes
530B	1	Ozaukee silt loam, 2 to 4 percent slopes
530C2	1	Ozaukee silt loam, 4 to 6 percent slopes, eroded
531B	1	Markham silt loam, 2 to 4 percent slopes
531C2	1	Markham silt loam, 4 to 6 percent slopes, eroded
541B	1	Graymont silt loam, 2 to 5 percent slopes
557A	1	Millstream silt loam, 0 to 2 percent slopes
614A	1	Chenoa silt loam, 0 to 2 percent slopes
696B	1	Zurich silt loam, 2 to 4 percent slopes
696C2	1	Zurich silt loam, 4 to 6 percent slopes, eroded
697A	2	Wauconda silt loam, 0 to 2 percent slopes
698B	1	Grays silt loam, 2 to 4 percent slopes
791B	1	Rush silt loam, 2 to 4 percent slopes
792B	1	Bowes silt loam, 2 to 4 percent slopes
3107A	5	Sawmill silty clay loam, 0 to 2 percent slopes, frequently flooded

Dupage County Prime Farmland (continued)

Prime
Farmland
Code

Description

- | | |
|---|--|
| 1 | All areas are prime farmland. |
| 2 | Only drained areas are prime farmland. |
| 5 | Only drained areas that are either protected from flooding or not frequently flooded during the growing season are prime farmland. |

**SOIL SURVEY OF
DUPAGE COUNTY, ILLINOIS**

CLASSIFICATION OF THE SOILS

Soil name	Family or higher taxonomic class
Ashkum-----	Fine, mixed, superactive, mesic Typic Endoaquolls
Barrington---	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Beecher-----	Fine, illitic, mesic Udollic Epiqualfs
Blount-----	Fine, illitic, mesic Aeric Epiqualfs
Bowes-----	Fine-silty, mixed, superactive, mesic Mollic Hapludalfs
Casco-----	Fine-loamy over sandy or sandy-skeletal, superactive, mixed, mesic Typic Hapludalfs
Chenoa-----	Fine, illitic, mesic Aquic Argiudolls
Del Rey-----	Fine, illitic, mesic Aeric Epiqualfs
Drummer-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Dunham-----	Fine-silty, mixed, superactive, mesic Typic Endoaquolls
Elliott-----	Fine, illitic, mesic Aquic Argiudolls
Faxon-----	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
Fox-----	Fine-loamy over sandy or sandy-skeletal, superactive, mixed, mesic Typic Hapludalfs
Graymont-----	Fine-silty, mixed, superactive, mesic Oxyaquic Argiudolls
Grays-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs
Grundelein---	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Harpster-----	Fine-silty, mesic Typic Calciaquolls
Houghton-----	Euic, mesic Typic Medisaprists
Kankakee-----	Loamy-skeletal, mixed, superactive, mesic Typic Hapludolls
Lorenzo-----	Fine-loamy over sandy or sandy-skeletal, active, mixed, mesic Typic Argiudolls
Markham-----	Fine, illitic, mesic Oxyaquic Hapludalfs
Martinton----	Fine, illitic, mesic Aquic Argiudolls
Milford-----	Fine, mixed, superactive, mesic Typic Endoaquolls
Millstream---	Fine-silty, mixed, superactive, mesic Aquollic Hapludalfs
Mundelein----	Fine-silty, mixed, superactive, mesic Aquic Argiudolls
Muskego-----	Coprogenous, euic, mesic Limnic Medisaprists
Orthents, clayey	Fine, mixed, active, mesic Typic Udorthents
Orthents, loamy	Fine-loamy, mixed, active, mesic Typic Udorthents
Orthents, stony	Fine-loamy, mixed, active, calcareous, mesic Typic Udorthents
Ozaukee-----	Fine, illitic, mesic Oxyaquic Hapludalfs
Peotone-----	Fine, smectitic, mesic Cumulic Vertic Endoaquolls
Rockton-----	Fine-loamy, mixed, superactive, mesic Typic Argiudolls
Rodman-----	Sandy-skeletal, mixed, mesic Typic Hapludolls
Romeo-----	Loamy, mixed, superactive, mesic Lithic Endoaquolls
Rush-----	Fine-silty, mixed, superactive, mesic Typic Hapludalfs
Sawmill-----	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls

DU PAGE COUNTY, ILLINOIS --Continued

Soil name	Family or higher taxonomic class
Selma-----	Fine-loamy, mixed, superactive, mesic Typic Endoaquolls
Swygert-----	Fine, mixed, superactive, mesic Aquertic Argiudolls
Thorp-----	Fine-silty, mixed, superactive, mesic Argiaquic Argialbolls
**Varna-----	Fine, illitic, mesic Oxyaquic Argiudolls
*Warsaw-----	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Argiudolls
Watseka-----	Sandy, mixed, mesic Aquic Hapludolls
Wauconda-----	Fine-silty, mixed, superactive, mesic Udollic Endoaqualfs
Waupecan-----	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Wesley-----	Coarse-loamy, mixed, superactive, mesic Aquic Hapludolls
Zurich-----	Fine-silty, mixed, superactive, mesic Oxyaquic Hapludalfs

(One asterisk in the first column indicates that the soil is a taxadjunct to the series. Two asterisks in the first column indicate that only certain map units are taxadjuncts to the series. See text for a description of those characteristics of the soil that are outside the range of the series.)

CERTIFICATION STATEMENT

The MLRA Region 11 Team Leader certifies that:

- a. The fieldwork activities were completed in June 1997.
- b. DuPage County joins the following survey areas:
Cook County to the north, east, and south, published 1979
Kane County to the west, soil survey update in progress
Will County to the south, soil survey update in progress.

The joining has been checked for the detailed soils maps and a perfect join with these adjacent counties has been completed within the geographic area of the recompiled orthoquarter quads. Detailed soil maps join within the survey area.

- 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. Typical pedons are those that represent the taxonomic units in MLRA 110. Not all typical pedons are located in DuPage County but are within other subsets of MLRA 110.
- e. All typical pedons are classified according to Keys to Soil Taxonomy, Seventh Edition, 1996.
- f. The soil maps are complete, accurate, and consistent.

Approval Signature and Date:

Travis Neely 1/29/98
Travis Neely Date
MLRA Region 11 Team Leader
USDA, NRCS
Indianapolis, IN 46278

William J. Gradle 1-21-98
William J. Gradle Date
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Champaign, IL 61820