

NONTECHNICAL SOIL DESCRIPTIONS
Wilson County, Kansas: Detailed Soil Map Legend

Nontechnical soil descriptions describe soil properties or management considerations specific to a soil map unit or group of map units, shown in the NonTechnical Descriptions report. These descriptions are written in terminology that Non-technical users of soil survey information can understand.

Nontechnical soil descriptions are a powerful tool for creating reports. These high quality, easy to read reports can be generated by conservation planners and other NRCS employees for distribution to land users. Soil map unit descriptions and National Soil Information System records are the basis for these descriptions.

Nontechnical Soil Descriptions--Continued
Wilson County, Kansas: Detailed Soil Map Legend

Map Symbol	Map Unit Name	Nontechnical Descriptions
073CS	CLIME-SOGN COMPLEX, 5 TO 20 PERCENT SLOPES	
125BF	BATES-COLLINSVILLE COMPLEX, 1 TO 4 PERCENT SLOPES	
125BG	BATES-COLLINSVILLE COMPLEX, 4 TO 20 PERCENT SLOPES	
125ET	ERAM-TALIHINA SILTY CLAY LOAMS, 6 TO 20 PERCENT SLOPES	
125OD	OLPE-DENNIS COMPLEX, 2 TO 6 PERCENT SLOPES	
133EB	ERAM SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	
133ED	ERAM SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES	Moderately deep, moderately sloping, moderately well drained, slowly permeable soils on uplands. These soils have a silty clay loam surface layer and a firm or very firm silty clay loam and firm or very firm silty clay subsoil. This map unit is highly erodible (HE).
AED	ARENTS, EARTHEN DAM	
Ae	APPERSON SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	Deep, nearly level, moderately well drained, slowly permeable soils on uplands. These soils have a silty clay loam surface layer and a firm and very firm silty clay subsoil. This map unit is not highly erodible (NHE).
Ba	BATES LOAM, 1 TO 4 PERCENT SLOPES	Moderately deep, gently sloping, well drained, moderately permeable soils on uplands. These soils have a loam surface layer and a friable loam and firm clay loam subsoil. This map unit is potential highly erodible (PHE).
Bc	BATES LOAM, 4 TO 7 PERCENT SLOPES	Moderately deep, moderately sloping, well drained, moderately permeable soils on uplands. These soils have a loam surface layer and a friable loam and firm clay loam subsoil. This map unit is highly erodible (HE).
Bh	BATES-COLLINSVILLE LOAMS, 3 TO 7 PERCENT SLOPES	Moderately deep and shallow, moderately sloping, well drained, moderately permeable and moderately rapidly permeable soils on uplands. The moderately deep Bates soils have a loam surface layer and a friable and firm clay loam subsoil. The shallow Collinsville soils have a loam surface layer. This map unit is highly erodible (HE).
Bo	BATES-COLLINSVILLE LOAMS, 7 TO 20 PERCENT SLOPES	Moderately deep and shallow, strongly sloping, well drained, moderately permeable and moderately rapidly permeable soils on uplands. The moderately deep Bates soils have a loam surface layer and a friable and firm clay loam subsoil. The shallow Collinsville soils have a loam surface layer over sandstone. This map unit is highly erodible (HE).
Ca	CATOOSA SILT LOAM, 0 TO 2 PERCENT SLOPES	Moderately deep, nearly level and gently sloping, well drained, moderately permeable soils on uplands. These soils have a silt loam surface layer and a dominantly friable or firm silty clay loam subsoil. This map unit is not highly erodible (NHE).
Dn	DENNIS SILT LOAM, 1 TO 4 PERCENT SLOPES	Deep, gently sloping, moderately well drained, slowly permeable soils on uplands. These soils have a silt loam surface layer and a friable or firm silty clay loam and firm or very firm silty clay subsoil. This map unit is potential highly erodible (PHE).

Nontechnical Soil Descriptions--Continued
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Do	DENNIS SILT LOAM, 4 TO 7 PERCENT SLOPES	Deep, moderately sloping, moderately well drained, slowly permeable soils on uplands. These soils have a silt loam surface layer and a friable or firm silty clay loam and firm or very firm silty clay subsoil. This map unit is highly erodible (HE).
Dp	DENNIS SILTY CLAY LOAM, 2 TO 5 PERCENT SLOPES, ERODED	Deep, gently sloping, moderately well drained, slowly permeable soils on uplands. These soils have a silty clay loam surface layer that has been thinned by erosion and a friable or firm silty clay loam and firm or very firm silty clay subsoil. This map unit is highly erodible (HE).
Dw	DENNIS-DWIGHT SILT LOAMS, 1 TO 5 PERCENT SLOPES	Deep, gently sloping, moderately well drained, slowly permeable and very slowly permeable soils on uplands. The Dennis soils have a silt loam surface layer and a firm silty clay loam and very firm silty clay subsoil. The Dwight soils have a silt loam surface layer and a very firm silty clay subsoil. This map unit is potential highly erodible (PHE).
Eb	ERAM SILT LOAM, 1 TO 3 PERCENT SLOPES	Moderately deep, gently sloping, moderately well drained, slowly permeable soils on uplands. These soils have a silt loam surface layer and a firm or very firm silty clay subsoil. This map unit is potential highly erodible (PHE).
Ec	ERAM SILT LOAM, 3 TO 7 PERCENT SLOPES	Moderately deep, moderately sloping, moderately well drained, slowly permeable soils on uplands. These soils have a silt loam surface layer and a firm silty clay loam and an extremely firm or very firm silty clay subsoil. This map unit is highly erodible (HE).
Ef	ERAM SILTY CLAY LOAM, 3 TO 7 PERCENT SLOPES, ERODED	Moderately deep, moderately sloping, moderately well drained, slowly permeable soils on uplands. These soils have a silty clay loam surface layer that has been thinned by erosion and a firm, very firm, or extremely firm silty clay subsoil. This map unit is highly erodible (HE).
Gr	GIRARD SILTY CLAY LOAM, FREQUENTLY FLOODED	Moderately deep, nearly level, poorly drained, slowly permeable soils on flood plains. These soils are frequently flooded. They have a silty clay loam surface layer and a firm and very firm silty clay subsoil. This map unit is not highly erodible (NHE). Also, this map unit is a hydric soil.
Iv	IVAN SILT LOAM, OCCASIONALLY FLOODED	Deep, nearly level, well drained, moderately permeable soils on flood plains. These soils have a calcareous silt loam surface layer, a calcareous silty clay loam subsurface layer, and a friable, calcareous silty clay loam subsoil. This map unit is not highly erodible (NHE).
Ke	KENOMA SILT LOAM, 1 TO 3 PERCENT SLOPES	Deep, gently sloping, moderately well drained, very slowly permeable soils on uplands. These soils have a silt loam surface layer and a firm, very firm, or extremely firm silty clay subsoil. This map unit is potential highly erodible (PHE).
Ko	KENOMA-OLPE SILT LOAMS, 2 TO 7 PERCENT SLOPES	Deep, moderately sloping, moderately well drained and well drained, very slowly permeable and slowly permeable soils on uplands. The Kenoma soils have a silt loam surface layer and a very firm silty clay subsoil. The Olpe soils have a silt loam surface layer, a silty clay loam subsurface layer, and a very firm very gravelly and extremely gravelly silty clay subsoil. This map unit is highly erodible (HE).
La	LANTON SILT LOAM, OCCASIONALLY FLOODED	Deep, nearly level, somewhat poorly drained, moderately slowly permeable soils on flood plains. These soils have a silt loam surface layer and a friable silt loam substratum. This map unit is not highly erodible (NHE). Also, this map unit has inclusions of hydric soils.

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Map Symbol	Map Unit Name	Nontechnical Descriptions
M-W	MISCELLANEOUS WATER	
Ma	MASON SILT LOAM, RARELY FLOODED	Deep, nearly level, well drained, moderately slowly permeable soils on stream terraces. These soils have a silt loam surface layer and a friable or firm silty clay loam subsoil. This map unit is not highly erodible (NHE). Also, this map unit has inclusions of hydric soils.
Nd	NIOTAZE-DARNELL COMPLEX, 4 TO 30 PERCENT SLOPES	Moderately deep and shallow, moderately sloping to moderately steep, somewhat poorly drained and well drained, slowly permeable and moderately rapidly permeable soils on uplands. The moderately deep Niotaze soils have a cobbly fine sandy loam surface layer, a fine sandy loam subsurface layer, and a very firm silty clay subsoil. The shallow Darnell soils have a fine sandy loam surface layer and a friable fine sandy loam subsoil. This map unit is highly erodible (HE).
Or	OSAGE SILTY CLAY LOAM, OCCASIONALLY FLOODED	Deep, nearly level, poorly drained, very slowly permeable soils on flood plains. These soils have a silty clay loam surface layer and a very firm or extremely firm silty clay subsoil. This map unit is not highly erodible (NHE). Also, this map unit is a hydric soil.
Os	OSAGE SILTY CLAY, OCCASIONALLY FLOODED	Deep, nearly level, poorly drained, very slowly permeable soils on flood plains. These soils have a silty clay surface layer and a very firm or extremely firm silty clay subsoil. This map unit is not highly erodible (NHE). Also, this map unit is a hydric soil.
Pe	PRUE LOAM, 2 TO 5 PERCENT SLOPES	Deep, moderately sloping, moderately well drained, moderately slowly permeable soils on uplands. These soils have a loam surface layer and a friable and firm clay loam and very firm silty clay subsoil. This map unit is not highly erodible (NHE).
Pt	PITS, QUARRIES	These are areas that have been excavated and the underlying soil and rock have been removed. The remaining pits have vertical walls and many have filled with water. The pits are surrounded by piles of overburden that contain fragments of rock. These areas are almost barren of vegetation. This map unit is potential highly erodible (PHE).
Rn	RINGO SILTY CLAY LOAM, 15 TO 35 PERCENT SLOPES	Moderately deep, moderately steep and steep, moderately well drained, very slowly permeable soils on uplands. These soils have a calcareous silty clay loam surface layer and a very firm and firm, calcareous silty clay subsoil. This map unit is highly erodible (HE).
Rs	RINGO-SHIDLER SILTY CLAY LOAMS, 3 TO 15 PERCENT SLOPES	Moderately deep and shallow, moderately sloping and strongly sloping, moderately well drained and well drained, very slowly permeable and moderately permeable soils on uplands. The moderately deep Ringo soils have a calcareous silty clay loam surface layer and a very firm and firm, calcareous silty clay subsoil. The shallow Shidler soils have a silty clay loam surface layer. This map unit is highly erodible (HE).
Sc	SHIDLER-CATOOSA COMPLEX, 1 TO 8 PERCENT SLOPES	Shallow and moderately deep, gently sloping and moderately sloping, well drained, moderately permeable soils on uplands. The shallow Shidler soils have a silty clay loam surface layer. The moderately deep Catoosa soils have a silt loam surface layer and a firm silty clay loam subsoil. This map unit is highly erodible (HE). Also, this map unit has inclusions of hydric soils.

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Sf	STEEDMAN GRAVELLY SILT LOAM, 4 TO 25 PERCENT SLOPES, STONY	Moderately deep, moderately sloping to moderately steep, moderately well drained, slowly permeable soils on uplands. These soils have numerous sandstone rocks scattered on the surface. They have a gravelly silt loam surface layer and a very firm silty clay subsoil. This map unit is highly erodible (HE).
Sm	STEPHENVILLE-DARNELL FINE SANDY LOAMS, 2 TO 6 PERCENT SLOPES	Moderately deep and shallow, gently sloping and moderately sloping, well drained, moderately permeable and moderately rapidly permeable soils on uplands. The moderately deep Stephenville soils have a fine sandy loam surface soil and a firm or friable sandy clay loam subsoil. The shallow Darnell soils have a fine sandy loam surface layer and a very friable or friable fine sandy loam subsoil. This map unit is potential highly erodible (PHE).
Sp	STEPHENVILLE-DARNELL FINE SANDY LOAMS, 6 TO 20 PERCENT SLOPES	Moderately deep and shallow, strongly sloping, well drained, moderately permeable and moderately rapidly permeable soils on uplands. The moderately deep Stephenville soils have a fine sandy loam surface soil and a firm or friable sandy clay loam subsoil. The shallow Darnell soils have a fine sandy loam surface layer and a very friable or friable fine sandy loam subsoil. This map unit is highly erodible (HE).
Vc	VERDIGRIS SILT LOAM, CHanneled	Deep, nearly level, moderately well drained, moderately permeable soils on frequently flooded narrow drainageways. These soils have a silt loam surface soil and a friable or firm silt loam subsoil. This map unit is not highly erodible (NHE). Also, this map unit has inclusions of hydric soils.
Vf	VERDIGRIS SILT LOAM, OCCASIONALLY FLOODED	Deep, nearly level, moderately well drained, moderately permeable soils on flood plains. These soils have a silt loam surface layer, a silty clay loam subsurface layer, and a friable or firm silty clay loam subsoil. This map unit is not highly erodible (NHE). Also, this map unit has inclusions of hydric soils.
W	WATER	
Wo	WOODSON SILT LOAM, 0 TO 1 PERCENT SLOPES	Deep, nearly level, somewhat poorly drained, very slowly permeable soils on uplands. These soils have a silt loam surface layer and a very firm silty clay subsoil. This map unit is not highly erodible (NHE).
Za	ZAAR SILTY CLAY, 0 TO 1 PERCENT SLOPES	Deep, nearly level, somewhat poorly drained, very slowly permeable soils on uplands. These soils have a silty clay loam surface layer, a silty clay subsurface layer, and a very firm and extremely firm silty clay subsoil. This map unit is not highly erodible (NHE).
Zb	ZAAR SILTY CLAY, 1 TO 4 PERCENT SLOPES	Deep, gently sloping, somewhat poorly drained, very slowly permeable soils on uplands. These soils have a silty clay surface soil and a firm, very firm, or extremely firm silty clay subsoil. This map unit is not highly erodible (NHE).

