

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

Map Symbol	Map Unit Name	Nontechnical Descriptions
001OB	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.
011RC	RINGO-CLARESON COMPLEX, 9 TO 15 PERCENT SLOPES	Moderately deep, strongly sloping, moderately well drained and well drained, very slowly permeable and moderately slowly permeable soils on uplands. The moderately well drained Ringo soils have a silty clay surface layer and a very firm and firm, calcareous silty clay subsoil. The well drainedClareson soils have a stony silty clay loam surface layer and a very firm flaggy silty clay loam and flaggy silty clay subsoil. This map unit is highly erodible (HE).
037CE	CHEROKEE 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 soil and a very firm clay subsoil. This map unit is not highly erodible (NHE).
099VC	VERDIGRIS SILT LOAM, FREQUENTLY FLOODED	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 silty clay loam subsoil. This map unit is not highly erodible (NHE).
205BO	BATES-COLLINSVILLE LOAMS, 7 TO 20 PERCENT SLOPES	
205KO	KENOMA-OLPE COMPLEX, 2 TO 7 PERCENT SLOPES	
205RS	RINGO-SHIDLER SILTY CLAY LOAMS, 3 TO 15 PERCENT SLOPES	
205SC	SHIDLER-CATOOSA COMPLEX, 1 TO 8 PERCENT SLOPES	
AED	ARENTS, EARTHEN DAM	
Ba	BATES LOAM, 1 TO 3 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 not highly erodible (NHE).
Bc	BATES LOAM, 3 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).
Bd	BATES-COLLINSVILLE LOAMS, 1 TO 4 PERCENT SLOPES	Moderately deep and shallow, gently 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 loam and firm clay loam subsoil. The shallow Collinsville soils have a loam surface layer. This map unit is potential highly erodible (PHE).
Bh	BATES-COLLINSVILLE COMPLEX, 4 TO 20 PERCENT SLOPES	Moderately deep and shallow, moderately sloping to moderately steep, well drained, moderately permeable and moderately rapidly permeable soils on uplands. The moderately deep Bates soils have a loam surface layer and a friable loam and firm clay loam subsoil. The shallow Collinsville soils have a fine sandy loam surface layer. This map unit is highly erodible (HE).

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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).
Da	DEEPWATER SILT LOAM, 1 TO 4 PERCENT SLOPES	Deep, gently sloping, moderately well drained, moderately permeable soils on uplands. These soils have a silt loam surface layer and a firm and friable clay loam subsoil. This map unit is not highly erodible (NHE).
Db	DENNIS SILT LOAM, 1 TO 3 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 not highly erodible (NHE).
Dc	DENNIS SILT LOAM, 3 TO 6 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).
Dn	DENNIS-LANTON SILT LOAMS, 2 TO 8 PERCENT SLOPES	Deep, moderately sloping, moderately well drained, slowly permeable and moderately slowly permeable soils on the sides of upland drainageways and narrow valley floors. The Dennis soils have a silt loam surface layer and a friable silty clay loam and firm and very firm silty clay subsoil. The frequently flooded Lanton soils have a silt loam surface layer, a silty clay loam subsurface layer, and a firm clay substratum. This map unit is highly erodible (HE). Also, this map unit has inclusions of hydric soils.
Eb	ERAM SILTY CLAY LOAM, 1 TO 3 PERCENT SLOPES	Moderately deep, gently 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 subsoil. This map unit is potential highly erodible (PHE).
Ec	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).
Et	ERAM-LEBO SILTY CLAY LOAMS, 4 TO 15 PERCENT SLOPES	Moderately deep, moderately sloping to moderately steep, moderately well drained and well drained, slowly permeable and moderately permeable soils on uplands. The Eram soils have a silty clay loam surface layer and a very firm silty clay subsoil. The Lebo soils have a silty clay loam surface layer and a firm silty clay loam and shaly silty clay loam subsoil. This map unit is highly erodible (HE).
Ka	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).
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.
M-W	MISCELLANEOUS WATER	

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No	NOWATA SILT LOAM, 3 TO 7 PERCENT SLOPES	Moderately deep, moderately sloping, well drained, moderately slowly permeable soils on uplands. These soils have a silt loam surface layer and a friable silt loam and firm extremely cherty silty clay loam subsoil. This map unit is highly erodible (HE).
Od	OLPE-DENNIS COMPLEX, 3 TO 7 PERCENT SLOPES	Deep, moderately sloping, well drained and moderately well drained, slowly permeable soils on uplands. The Olpe soils have a gravelly silt loam surface layer, a very gravelly silt loam subsurface layer, and a firm and very firm extremely gravelly silty clay loam and very firm extremely gravelly and very gravelly silty clay subsoil. The Dennis soils have a silt loam surface soil and a friable silty clay loam and firm and very firm silty clay subsoil. This map unit is highly erodible (HE).
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.
Pa	PARSONS 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 soil and a 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).
Sc	SHIDLER-CATOOSA SILT LOAMS, 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 silt 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).
Sd	STEPHENVILLE-DARNELL FINE SANDY LOAMS, 3 TO 20 PERCENT SLOPES	Moderately deep and shallow, gently sloping to moderately steep, 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).
Va	VERDIGRIS SILT LOAM, OCCASIONALLY FLOODED	Deep, nearly level, moderately well drained, moderately permeable soils on flood plains. These soils have a silt loam surface soil. This map unit is not highly erodible (NHE). Also, this map unit has inclusions of hydric soils.
Vb	VERDIGRIS SILT LOAM, CHanneled	Deep, nearly level, well drained, moderately permeable soils on frequently flooded narrow drainageways and 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.
W	WATER	
Wa	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).

Nontechnical Soil Descriptions--Continued
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ZC	ZAAR SILTY CLAY, 1 TO 3 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).
Zb	ZAAR SILTY CLAY, 0 TO 2 PERCENT SLOPES	Deep, nearly level, 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).

