

RECREATIONAL INTERPRETATIONS  
Harper County, Kansas

## Recreation

The soils of the survey area are rated in the following tables according to limitations that affect their suitability for recreation. The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the recreational uses. Not limited indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. Slightly limited indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. Somewhat limited indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. Very limited indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The ratings in the tables are based on restrictive soil features, such as wetness, slope, and texture of the surface layer. Susceptibility to flooding is considered. Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, vegetation, access to water, potential water impoundment sites, and access to public sewer lines. The capacity of the soil to absorb septic tank effluent and the ability of the soil to support vegetation also are important. Soils that are subject to flooding are limited for recreational uses by the duration and intensity of flooding and the season when flooding occurs. In planning recreational facilities, onsite assessment of the height, duration, intensity, and frequency of flooding is essential.

The information in this table can be supplemented by other information in this survey, for example, interpretations for building site development, construction materials, sanitary facilities, and water management.

Camp areas require site preparation, such as shaping and leveling the tent and parking areas, stabilizing roads and intensively used areas, and installing sanitary facilities and utility lines. Camp areas are subject to heavy foot traffic and some vehicular traffic. The ratings are based on the soil properties that affect the ease of developing camp areas and the performance of the areas after development. Slope, stoniness, and depth to bedrock or a cemented pan are the main concerns affecting the development of camp areas.

The soil properties that affect the performance of the areas after development are those that influence trafficability and promote the growth of vegetation, especially in heavily used areas. For good trafficability, the surface of camp areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Picnic areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking areas. The ratings are based on the soil properties that affect the ease of developing picnic areas and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of picnic areas. For good trafficability, the surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Playgrounds require soils that are nearly level, are free of stones, and can withstand intensive foot traffic. The ratings are based on the soil properties that affect the ease of developing playgrounds and that influence trafficability and the growth of vegetation after development. Slope and stoniness are the main concerns affecting the development of playgrounds. For good trafficability, the surface of the playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry. The soil properties that influence trafficability are texture of the surface layer, depth to a water table, ponding, flooding, permeability, and large stones. The soil properties that affect the growth of plants are depth to bedrock or a cemented pan, permeability, and toxic substances in the soil.

Paths and trails for hiking and horseback riding should require little or no slope modification through cutting and filling. The ratings are based on the soil properties that affect trafficability and erodibility. These properties are stoniness, depth to a water table, ponding, flooding, slope, and texture of the surface layer.

Golf fairways are subject to heavy foot traffic and some light vehicular traffic. Cutting or filling may be required. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer. The suitability of the soil for traps, tees, roughs, and greens is not considered in the ratings.

RECREATIONAL INTERPRETATIONS--Continued  
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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
007AE: Albion-----	55	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope	1.00
Shellabarger-----	45	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Gravel content Very limited Slope	0.06 1.00
007AS: Clairemont-----	100	Very limited Flooding Salinity	1.00 1.00	Very limited Salinity Flooding	1.00 0.40	Very limited Flooding Salinity	1.00 1.00
007FU: Farnum-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
007KA: Kanza-----	100	Very limited Flooding Depth to saturated zone Too sandy	1.00 0.98 0.92	Somewhat limited Too sandy Depth to saturated zone Flooding	0.92 0.75 0.40	Very limited Flooding Depth to saturated zone Too sandy	1.00 0.98 0.92
095AD: Albion-----	100	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope Gravel content	1.00 0.06
095DA: Dillwyn-----	60	Somewhat limited Depth to saturated zone Too sandy	0.39 0.37	Somewhat limited Too sandy Depth to saturated zone	0.37 0.19	Somewhat limited Depth to saturated zone Too sandy	0.39 0.37
Plevna-----	40	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.40	Very limited Flooding Depth to saturated zone	1.00 1.00
095LA: Lincoln-----	100	Very limited Flooding Too sandy	1.00 0.79	Somewhat limited Too sandy	0.79	Somewhat limited Too sandy Flooding	0.79 0.60
095NB: Nashville-----	60	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope Depth to bedrock	1.00 0.65
Quinlan-----	40	Very limited Depth to bedrock Slope	1.00 0.16	Very limited Depth to bedrock Slope	1.00 0.16	Very limited Depth to bedrock Slope	1.00 1.00
095SA: Shellabarger-----	100	Somewhat limited Too sandy	0.81	Somewhat limited Too sandy	0.81	Somewhat limited Too sandy Slope	0.81 0.00
095SC: Shellabarger-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
095SD: Shellabarger-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
095ZA: Zenda-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60
191EA: Elandco-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60
191EC: Elandco-----	100	Very limited Flooding	1.00	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
191LS: Lincoln-----	100	Very limited Flooding Too sandy	1.00 0.79	Somewhat limited Too sandy Flooding	0.79 0.40	Very limited Flooding Too sandy	1.00 0.79
191OP: Wellsford-----	65	Very limited Depth to bedrock Slope Restricted permeability	1.00 0.96 0.45	Very limited Depth to bedrock Slope Restricted permeability	1.00 0.96 0.45	Very limited Depth to bedrock Slope Restricted permeability	1.00 1.00 0.45
Elandco-----	35	Very limited Flooding	1.00	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
191PD: Pond Creek-----	100	Not limited		Not limited		Somewhat limited Slope	0.50
191RA: Renfrow-----	70	Somewhat limited		Somewhat limited		Somewhat limited	

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Harper County, Kansas

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Grainola-----	30	Restricted permeability	0.45	Restricted permeability	0.45	Restricted permeability	0.45
		Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Slope Somewhat limited Restricted permeability	0.00
						Content of large stones	0.03
						Slope	0.00
191TA: Tabler-----	100	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45
191US: Ustifluvents-----	100	Very limited Restricted permeability Slope	1.00	Very limited Restricted permeability Slope	1.00	Very limited Slope	1.00
			1.00		1.00	Restricted permeability	1.00
1439: Crisfield-----	100	Very limited Flooding Too sandy	1.00	Somewhat limited Too sandy	0.00	Somewhat limited Too sandy	0.00
An: Kaski-----	100	Very limited Flooding	1.00	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
At: Attica-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Be: Bethany-----	100	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39
Bh: Bethany-----	100	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability Slope	0.00
Bm: Lincoln-----	100	Very limited Flooding Too sandy	1.00	Somewhat limited Too sandy	0.79	Somewhat limited Too sandy Flooding	0.79
Bo: Gerlane-----	100	Very limited Flooding Too sandy	1.00	Somewhat limited Too sandy Restricted permeability	0.79	Somewhat limited Too sandy Flooding	0.79
			0.79		0.39		0.60
		Restricted permeability	0.39			Restricted permeability	0.39
Bp: Woodward-----	65	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Port-----	35	Very limited Flooding	1.00	Somewhat limited Flooding	0.40	Depth to bedrock Very limited Flooding Slope	0.42
Br: Broken Alluvial Land	100	Very limited Flooding Slope	1.00	Very limited Slope Flooding	1.00	Very limited Flooding Slope	1.00
			1.00		0.40		1.00
Ca: Carwile-----	100	Very limited Depth to saturated zone Restricted permeability	1.00	Very limited Depth to saturated zone Restricted permeability	1.00	Very limited Depth to saturated zone Restricted permeability	1.00
			0.94		0.94		0.94
Cc: Case-----	70	Not limited		Not limited		Somewhat limited Slope	0.50
Clark-----	30	Not limited		Not limited		Somewhat limited Slope	0.50
Ce: Corbin-----	100	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39
Cf: Corbin-----	100	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability	0.39	Somewhat limited Restricted permeability Slope	0.00
Fa: Farnum-----	100	Not limited		Not limited		Somewhat limited	

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Slope	0.87
Fm: Farnum-----	100	Not limited		Not limited		Not limited	
Fn: Farnum-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Fu: Farnum-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
Ge: Gerlane-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60
Gn: Grant-----	100	Not limited		Not limited		Not limited	
Gr: Grant-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
GRP: Gravel Pits-----	100	Not rated		Not rated		Not rated	
Gs: Grant-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
INT: Aguolls-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Restricted permeability	1.00
		Restricted permeability	1.00	Restricted permeability	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Ponding	1.00	Ponding	1.00
Ka: Kanza-----	100	Very limited Flooding	1.00	Somewhat limited Too sandy	0.92	Very limited Flooding	1.00
		Depth to saturated zone	0.98	Depth to saturated zone	0.75	Depth to saturated zone	0.98
		Too sandy	0.92	Flooding	0.40	Too sandy	0.92
Kk: Kaski-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60
Km: Kirkland-----	100	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45
Kr: Kirkland-----	70	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45
						Slope	0.00
Renfrow-----	30	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45
						Slope	0.00
Kw: Kirkland-----	70	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45
						Slope	0.00
Renfrow-----	30	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45
						Slope	0.00
Mc: Minco-----	100	Not limited		Not limited		Not limited	
Mn: Minco-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Mo: Minco-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
Na: Nashville-----	100	Not limited		Not limited		Not limited	
Ne: Nashville-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Nh: Nashville-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
						Depth to bedrock	0.65
Nn: Nashville-----	100	Not limited		Not limited		Somewhat limited Slope	0.87

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
No: Norge-----	100	Not limited		Not limited		Depth to bedrock	0.46
Pc: Pond Creek-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Pd: Pond Creek-----	100	Not limited		Not limited		Not limited	
Pe: Pond Creek-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Pg: Pond Creek-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
Ph: Dale-----	100	Very limited Flooding	1.00	Not limited		Not limited	
Pk: Port-----	100	Very limited Flooding Salinity	1.00 0.13	Somewhat limited Salinity	0.13	Somewhat limited Salinity	0.13
Pm: Pratt-----	100	Somewhat limited Too sandy	0.37	Somewhat limited Too sandy	0.37	Very limited Slope Too sandy	1.00 0.37
Pn: Pratt-----	100	Somewhat limited Too sandy	0.37	Somewhat limited Too sandy	0.37	Very limited Slope Depth to bedrock Too sandy	1.00 0.42 0.37
Po: Pratt-----	65	Somewhat limited Depth to saturated zone Too sandy	0.98 0.37	Somewhat limited Depth to saturated zone Too sandy	0.75 0.37	Very limited Slope Depth to saturated zone Too sandy	1.00 0.98 0.37
Carwile-----	35	Very limited Depth to saturated zone Restricted permeability	1.00 0.94	Very limited Depth to saturated zone Restricted permeability	1.00 0.94	Very limited Depth to saturated zone Restricted permeability	1.00 0.94
Pt: Pratt-----	50	Somewhat limited Slope Too sandy	0.63 0.37	Somewhat limited Slope Too sandy	0.63 0.37	Very limited Slope Too sandy	1.00 0.37
Tivoli-----	50	Somewhat limited Too sandy Slope	0.92 0.63	Somewhat limited Too sandy Slope	0.92 0.63	Very limited Slope Too sandy	1.00 0.92
Qa: Quinlan-----	100	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00
Qn: Quinlan-----	100	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock Slope	1.00 0.00
Qu: Quinlan-----	100	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock Slope	1.00 0.87
Rc: Renfrow-----	65	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability Slope	0.45 0.00
Vernon-----	35	Very limited Sodium content Restricted permeability	1.00 0.45	Very limited Sodium content Restricted permeability	1.00 0.45	Very limited Sodium content Restricted permeability Slope	1.00 0.45 0.00
Re: Ruella-----	100	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00
Rh: Ruella-----	100	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock Slope	1.00 0.00
Ru: Ruella-----	100	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock Slope	1.00 0.87

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Sa: Lesho-----	100	Very limited Flooding Salinity	1.00 0.13	Somewhat limited Salinity	0.13	Somewhat limited Flooding Salinity	0.60 0.13
Sb: Shellabarger-----	100	Not limited		Not limited		Not limited	
Se: Shellabarger-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Sf: Shellabarger-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
Sg: Shellabarger-----	100	Not limited		Not limited		Somewhat limited Slope	0.87
Sh: Zellmont-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
SHH: Shellabarger-----	100	Not limited		Not limited		Somewhat limited Slope	0.00
Sk: Zellmont-----	100	Not limited		Not limited		Somewhat limited Slope Depth to bedrock	0.87 0.29
Sm: Zellmont, eroded----	100	Not limited		Not limited		Somewhat limited Slope Depth to bedrock	0.87 0.29
Sn: Shellabarger-----	100	Somewhat limited Too sandy	0.94	Somewhat limited Too sandy	0.94	Somewhat limited Too sandy Slope	0.94 0.00
So: Shellabarger-----	70	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Albion-----	30	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope Gravel content	1.00 0.06
Sp: Drummond-----	100	Very limited Salinity Restricted permeability	1.00 0.45	Very limited Salinity Restricted permeability	1.00 0.45	Very limited Salinity Restricted permeability	1.00 0.45
Ta: Tabler-----	100	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45
Th: Tivoli-----	100	Very limited Too sandy Slope	1.00 0.63	Very limited Too sandy Slope	1.00 0.63	Very limited Slope Too sandy	1.00 1.00
Vr: Vernon-----	60	Very limited Sodium content Restricted permeability	1.00 0.45	Very limited Sodium content Restricted permeability	1.00 0.45	Very limited Sodium content Slope	1.00 0.50
Renfrow-----	40	Somewhat limited Restricted permeability	0.45	Somewhat limited Restricted permeability	0.45	Restricted permeability Somewhat limited Slope	0.45 0.50
W: Water-----	100	Not rated		Not rated		Restricted permeability Not rated	0.45
Wa: Kingman-----	100	Very limited Flooding	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Restricted permeability	0.15	Flooding	0.60
		Restricted permeability	0.15			Restricted permeability	0.15
Wd: Quinlan-----	50	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00
Woodward-----	50	Not limited		Not limited		Somewhat limited Slope	0.00

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Map symbol and soil name	Pct of map unit	Camp areas		Picnic areas		Playgrounds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
We: Quinlan-----	50	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00
Woodward-----	50	Not limited		Not limited		Slope Somewhat limited Slope	0.00
Ww: Quinlan-----	50	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00	Very limited Depth to bedrock	1.00
Woodward-----	50	Not limited		Not limited		Slope Somewhat limited Slope Depth to bedrock	0.87 0.87 0.42
Za: Canadian-----	100	Very limited Flooding	1.00	Not limited		Not limited	
Zf: Zenda-----	100	Very limited Flooding	1.00	Not limited		Somewhat limited Flooding	0.60

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
007AE: Albion-----	55	Not limited		Somewhat limited Slope	0.16
Shellabarger-----	45	Not limited		Somewhat limited Slope	0.16
007AS: Clairemont-----	100	Somewhat limited Flooding	0.40	Very limited Flooding Salinity	1.00 1.00
007FU: Farnum-----	100	Not limited		Not limited	
007KA: Kanza-----	100	Somewhat limited Too sandy Depth to saturated zone Flooding	0.92 0.44 0.40	Very limited Flooding Depth to saturated zone Droughty	1.00 0.75 0.04
095AD: Albion-----	100	Not limited		Somewhat limited Slope	0.37
095DA: Dillwyn-----	60	Somewhat limited Too sandy	0.37	Somewhat limited Droughty Depth to saturated zone	0.22 0.19
Plevna-----	40	Very limited Depth to saturated zone Flooding	1.00 0.40	Very limited Flooding Depth to saturated zone	1.00 1.00
095LA: Lincoln-----	100	Somewhat limited Too sandy	0.79	Somewhat limited Droughty Flooding	0.92 0.60
095NB: Nashville-----	60	Not limited		Somewhat limited Depth to bedrock Slope	0.65 0.04
Quinlan-----	40	Not limited		Very limited Depth to bedrock Droughty Slope	1.00 0.87 0.16
095SA: Shellabarger-----	100	Somewhat limited Too sandy	0.81	Not limited	
095SC: Shellabarger-----	100	Not limited		Not limited	
095SD: Shellabarger-----	100	Not limited		Not limited	
095ZA: Zenda-----	100	Not limited		Somewhat limited Flooding	0.60
191EA: Elandco-----	100	Not limited		Somewhat limited Flooding	0.60
191EC: Elandco-----	100	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
191LS: Lincoln-----	100	Somewhat limited Too sandy Flooding	0.79 0.40	Very limited Flooding Droughty	1.00 0.90
191OP: Wellsford-----	65	Not limited		Very limited Depth to bedrock Droughty Slope	1.00 1.00 0.96
Elandco-----	35	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
191PD: Pond Creek-----	100	Not limited		Not limited	
191RA: Renfrow-----	70	Not limited		Not limited	
Grainola-----	30	Not limited		Somewhat limited Depth to bedrock Content of large stones	0.06 0.03
191TA: Tabler-----	100	Not limited		Not limited	
191US: Ustifluvents-----	100	Very limited		Very limited	



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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
		Water erosion Slope	1.00 0.00	Slope	1.00
1439: Crisfield-----	100	Somewhat limited Too sandy	0.00	Somewhat limited Droughty	0.31
An: Kaski-----	100	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
At: Attica-----	100	Not limited		Not limited	
Be: Bethany-----	100	Not limited		Not limited	
Bh: Bethany-----	100	Not limited		Not limited	
Bm: Lincoln-----	100	Somewhat limited Too sandy	0.79	Somewhat limited Droughty Flooding	0.65 0.60
Bo: Gerlane-----	100	Somewhat limited Too sandy	0.79	Somewhat limited Droughty Flooding	0.86 0.60
Bp: Woodward-----	65	Not limited		Somewhat limited Depth to bedrock Slope	0.42 0.37
Port-----	35	Somewhat limited Flooding	0.40	Very limited Flooding	1.00
Br: Broken Alluvial Land	100	Somewhat limited Flooding Slope	0.40 0.00	Very limited Flooding Slope	1.00 1.00
Ca: Carwile-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Cc: Case-----	70	Not limited		Not limited	
Clark-----	30	Not limited		Not limited	
Ce: Corbin-----	100	Not limited		Not limited	
Cf: Corbin-----	100	Not limited		Not limited	
Fa: Farnum-----	100	Not limited		Not limited	
Fm: Farnum-----	100	Not limited		Not limited	
Fn: Farnum-----	100	Not limited		Not limited	
Fu: Farnum-----	100	Not limited		Not limited	
Ge: Gerlane-----	100	Not limited		Somewhat limited Flooding	0.60
Gn: Grant-----	100	Not limited		Not limited	
Gr: Grant-----	100	Not limited		Not limited	
GRP: Gravel Pits-----	100	Not rated		Not rated	
Gs: Grant-----	100	Not limited		Not limited	
INT: Aquolls-----	100	Very limited Depth to saturated zone Ponding	1.00 1.00	Very limited Depth to saturated zone Ponding	1.00 1.00
Ka: Kanza-----	100	Somewhat limited Too sandy Depth to saturated zone Flooding	0.92 0.44 0.40	Very limited Flooding Depth to saturated zone Droughty	1.00 0.75 0.04
Kk: Kaski-----	100	Not limited		Somewhat limited Flooding	0.60
Km: Kirkland-----	100	Not limited		Not limited	

RECREATIONAL INTERPRETATIONS--Continued  
Harper County, Kansas

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Kr:					
Kirkland-----	70	Not limited		Not limited	
Renfrow-----	30	Not limited		Not limited	
Kw:					
Kirkland-----	70	Not limited		Not limited	
Renfrow-----	30	Not limited		Not limited	
Mc:					
Minco-----	100	Not limited		Not limited	
Mn:					
Minco-----	100	Not limited		Not limited	
Mo:					
Minco-----	100	Not limited		Not limited	
Na:					
Nashville-----	100	Not limited		Somewhat limited Depth to bedrock	0.65
Ne:					
Nashville-----	100	Not limited		Somewhat limited Depth to bedrock	0.65
Nh:					
Nashville-----	100	Not limited		Somewhat limited Depth to bedrock	0.65
Nn:					
Nashville-----	100	Not limited		Somewhat limited Depth to bedrock	0.46
No:					
Norge-----	100	Not limited		Not limited	
Pc:					
Pond Creek-----	100	Not limited		Not limited	
Pd:					
Pond Creek-----	100	Not limited		Not limited	
Pe:					
Pond Creek-----	100	Not limited		Not limited	
Pg:					
Pond Creek-----	100	Not limited		Not limited	
Ph:					
Dale-----	100	Not limited		Not limited	
Pk:					
Port-----	100	Not limited		Somewhat limited Salinity	0.13
Pm:					
Pratt-----	100	Somewhat limited Too sandy	0.37	Not limited	
Pn:					
Pratt-----	100	Somewhat limited Too sandy	0.37	Somewhat limited Depth to bedrock Droughty	0.42 0.14
Po:					
Pratt-----	65	Somewhat limited Depth to saturated zone Too sandy	0.44 0.37	Somewhat limited Depth to saturated zone	0.75
Carwile-----	35	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Pt:					
Pratt-----	50	Somewhat limited Too sandy	0.37	Somewhat limited Slope	0.63
Tivoli-----	50	Somewhat limited Too sandy	0.92	Somewhat limited Droughty Slope	0.98 0.63
Qa:					
Quinlan-----	100	Not limited		Very limited Depth to bedrock Droughty	1.00 1.00
Qn:					
Quinlan-----	100	Not limited		Very limited Depth to bedrock Droughty	1.00 1.00
Qu:					
Quinlan-----	100	Not limited		Very limited Depth to bedrock Droughty	1.00 1.00
Rc:					
Renfrow-----	65	Not limited		Not limited	
Vernon-----	35	Not limited		Very limited Sodium content Depth to bedrock Droughty	1.00 0.29 0.15
Re:					
Ruella-----	100	Not limited		Very limited Depth to bedrock	1.00

RECREATIONAL INTERPRETATIONS--Continued  
Harper County, Kansas

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Rh: Ruella-----	100	Not limited		Droughty	1.00
				Very limited Depth to bedrock	1.00
				Droughty	1.00
Ru: Ruella-----	100	Not limited		Very limited Depth to bedrock	1.00
				Droughty	1.00
Sa: Lesho-----	100	Not limited		Somewhat limited Flooding Salinity	0.60 0.13
Sb: Shellabarger-----	100	Not limited		Not limited	
Se: Shellabarger-----	100	Not limited		Not limited	
Sf: Shellabarger-----	100	Not limited		Not limited	
Sg: Shellabarger-----	100	Not limited		Not limited	
Sh: Zellmont-----	100	Not limited		Somewhat limited Depth to bedrock	0.29
SHH: Shellabarger-----	100	Not limited		Not limited	
Sk: Zellmont-----	100	Not limited		Somewhat limited Depth to bedrock	0.29
Sm: Zellmont, eroded----	100	Not limited		Somewhat limited Depth to bedrock	0.29
Sn: Shellabarger-----	100	Somewhat limited Too sandy	0.94	Not limited	
So: Shellabarger-----	70	Not limited		Somewhat limited Slope	0.37
Albion-----	30	Not limited		Somewhat limited Slope	0.37
Sp: Drummond-----	100	Not limited		Very limited Salinity Droughty	1.00 0.68
Ta: Tabler-----	100	Not limited		Not limited	
Th: Tivoli-----	100	Very limited Too sandy	1.00	Very limited Droughty Slope	1.00 0.63
Vr: Vernon-----	60	Not limited		Very limited Sodium content Droughty	1.00 0.15
Renfrow-----	40	Not limited		Not limited	
W: Water-----	100	Not rated		Not rated	
Wa: Kingman-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Flooding	1.00 0.60
Wd: Quinlan-----	50	Not limited		Very limited Depth to bedrock Droughty	1.00 1.00
				Somewhat limited Depth to bedrock	0.42
We: Quinlan-----	50	Not limited		Very limited Depth to bedrock Droughty	1.00 1.00
				Somewhat limited Depth to bedrock	0.90
Ww: Quinlan-----	50	Not limited		Very limited Depth to bedrock Droughty	1.00 1.00
Woodward-----	50	Not limited		Somewhat limited	

RECREATIONAL INTERPRETATIONS--Continued  
Harper County, Kansas

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Map symbol and soil name	Pct of map unit	Paths and trails		Golf fairways	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Za:				Depth to bedrock	0.42
Canadian-----	100	Not limited		Not limited	
Zf:				Somewhat limited	
Zenda-----	100	Not limited		Flooding	0.60

