

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
1A	Colvard fine sandy loam; frequently flooded	Very deep, well drained, dark yellowish brown sandy floodplain soils; developed in alluvial materials derived from upland soil material weathered from predominantly metamorphic and crystalline rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Within 100-year floodplain; frequent flooding; rare ponding	NOT SUITED Flooding potential
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.2	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
2A	Codorus loam; frequently flooded	Very deep, moderately well drained, yellowish brown loamy soils with intermittent high water tables on floodplains; developed in alluvium washed from crystalline and metamorphic rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Within 100-year floodplain; frequent flooding; rare ponding	NOT SUITED Flooding potential
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Very low				VERY HIGH		
3A	Suches loam; frequently flooded	Very deep, well drained, yellowish brown silty soils on floodplains; developed in alluvium washed from metamorphic and crystalline rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Within 100-year floodplain; frequent flooding; rare ponding	NOT SUITED Flooding potential
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				HIGH		
4A	Hatboro silt loam; frequently flooded	Very deep, poorly drained, gray loamy soils with intermittent high water tables on concave depressions in floodplains; developed in alluvium washed from crystalline and metamorphic rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Within 100-year floodplain; frequent flooding; occasional ponding; high water table	NOT SUITED Flooding potential
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.2	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
		HYDRIC SOIL	Bearing Capacity:	Very low				MODERATELY LOW		
5A	Rowland silt loam; frequently flooded	Very deep, moderately well drained, mottled yellowish-brown and weak red silty soils with high water tables on floodplains; developed in alluvium from Triassic uplands	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Within 100-year floodplain; frequent flooding; occasional ponding; intermittent high water table	NOT SUITED Flooding potential
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.43	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Very low				MODERATELY HIGH		

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6A	Bowmansville silt loam; frequently flooded	Very deep, somewhat poorly to poorly drained, gray and strong brown clayey soils in back channels and depressions in floodplains; developed from alluvium washed from Triassic uplands	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Within 100-year floodplain; frequent flooding; occasional ponding; intermittent high water table	NOT SUITED Flooding potential
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	0 - 20	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
		HYDRIC SOIL	Bearing Capacity:	Very low			MODERATELY HIGH			
7A	Bermudian silt loam; occasionally flooded	Very deep, well drained, brown loamy soils on narrow floodplains; developed in alluvium washed from Triassic uplands	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Within 100-year floodplain; occasional flooding; rare ponding	NOT SUITED Flooding potential
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: High			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			HIGH			
8A	Codorus Variant loam; frequently flooded	Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent high water tables on floodplains; developed in alluvium washed from crystalline and metamorphic rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Within 100-year floodplain; frequent flooding; occasional ponding; high water table	NOT SUITED Flooding potential
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Very low			MODERATELY HIGH			
9A	Mongle loam, very stony	Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent high water tables in concave landscapes, along small drainageways and on alluvial fans; contains 0.1 - 3% surface stones; developed in recent colluvium/alluvium washed from basic and acidic rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow- significant destructive potential during flooding events; surface stones	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	NOT SUITED		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATELY LOW			
9B	Mongle loam, very stony	Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent high water tables in concave landscapes, along small drainageways and on alluvial fans; contains 0.1 - 3% surface stones; developed in recent colluvium/alluvium washed from basic and acidic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow- significant destructive potential during flooding events; surface stones	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	NOT SUITED		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATELY LOW			

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10A	Mongle loam	Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent high water tables in concave landscapes, along small drainageways and on alluvial fans; developed in recent colluvium/alluvium washed from basic and acidic rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATE		
10B	Mongle loam	Very deep, somewhat poorly drained, yellowish brown loamy soils with intermittent high water tables in concave landscapes, along small drainageways and on alluvial fans; developed in recent colluvium/alluvium washed from basic and acidic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.				MODERATE		
11A	Rohrersville loam; stony	Very deep, somewhat poorly drained, brownish-yellow loam soils with intermittent high water tables in drainageways; developed in recent greenstone colluvium/alluvium washed from steep rocky slopes	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
12A	Rohrersville loam	Very deep, somewhat poorly drained, brownish-yellow loam soils with intermittent high water tables in drainageways; developed in recent greenstone colluvium/alluvium	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
12B	Rohrersville loam	Very deep, somewhat poorly drained, brownish-yellow loam soils with intermittent high water tables in drainageways; developed in recent greenstone colluvium/alluvium	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; frequent flooding; high water table; concentrated runoff from higher areas; overland flow-significant destructive potential during flooding events	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		

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13A	Sumerduck loam	Very deep, moderately well to somewhat poorly drained, strong brown loamy soils with intermittent high water tables in drainageways; developed in alluvium and colluvium from adjacent uplands	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; concentrated runoff from higher areas; intermittent high water table; low bearing capacity	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATE			
13B	Sumerduck loam	Very deep, moderately well to somewhat poorly drained, strong brown loamy soils with intermittent high water tables in drainageways; developed in alluvium and colluvium from adjacent uplands	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; concentrated runoff from higher areas; intermittent high water table; low bearing capacity	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATE			
14A	Sowego loam	Deep, well to moderately-well drained dark reddish-brown loamy soils with intermittent high water tables in concave upland landscapes (swales) and drainageways; developed in local colluvium and residuum of materials derived from Triassic siltstone, shale and conglomerate	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; concentrated runoff from higher areas; intermittent high water table; low bearing capacity	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 60	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY HIGH			
14B	Sowego loam	Deep, well to moderately-well drained dark reddish-brown loamy soils with intermittent high water tables in concave upland landscapes (swales) and drainageways; developed in local colluvium and residuum of materials derived from Triassic siltstone, shale and conglomerate	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; concentrated runoff from higher areas; intermittent high water table; low bearing capacity	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 60	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY HIGH			
14C	Sowego loam	Deep, well to moderately-well drained dark reddish-brown loamy soils with intermittent high water tables in concave upland landscapes (swales) and drainageways; developed in local colluvium and residuum of materials derived from Triassic siltstone, shale and conglomerate	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; concentrated runoff from higher areas; intermittent high water table; low bearing capacity	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 60	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY HIGH			

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15A	Seneca loam	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent high water tables in concave swales and along small drainageways; developed in recent colluvium and local wash from crystalline and metamorphic uplands	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing capacity when wet	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATELY HIGH			
15B	Seneca loam	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent high water tables in concave swales and along small drainageways; developed in recent colluvium and local wash from crystalline and metamorphic uplands	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing capacity when wet	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATELY HIGH			
15C	Seneca loam	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent high water tables in concave swales and along small drainageways; developed in recent colluvium and local wash from crystalline and metamorphic uplands	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing capacity when wet	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATELY HIGH			
16A	Meadowville loam	Very deep, well drained, yellowish-brown to reddish-brown loamy soils with intermittent high water tables in concave uplands and along small drainageways; developed in recent colluvium and local wash from acid rock materials	Slope (%)	0 - 2	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing capacity when wet	NOT SUITED Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATELY HIGH			
16B	Meadowville loam	Very deep, well drained, yellowish-brown to reddish-brown loamy soils with intermittent high water tables in concave uplands and along small drainageways; developed in recent colluvium and local wash from acid rock materials	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing capacity when wet	NOT SUITED Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATELY HIGH			

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16C	Meadowville loam	Very deep, well drained, yellowish-brown to reddish-brown loamy soils with intermittent high water tables in concave uplands and along small drainageways; developed in recent colluvium and local wash from acid rock materials	Slope (%)	7 - 14	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing capacity when wet	NOT SUITED Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATELY HIGH			
17A	Middleburg loam	Very deep, well drained, brown loamy soils in concave swales and along small drainageways; developed in recent colluvium and local wash from crystalline uplands	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing capacity when wet	NOT SUITED Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			HIGH			
17B	Middleburg loam	Very deep, well drained, brown loamy soils in concave swales and along small drainageways; developed in recent colluvium and local wash from crystalline uplands	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing capacity when wet	NOT SUITED Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			HIGH			
17C	Middleburg loam	Very deep, well drained, brown loamy soils in concave swales and along small drainageways; developed in recent colluvium and local wash from crystalline uplands	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; intermittent high water table; concentrated runoff from higher areas; low bearing capacity when wet	NOT SUITED Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			HIGH			

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			K <sub>Sat</sub>			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
18B	Tankerville- Purcellville Complex, very rocky	TANKERVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Rock outcrop Stoniness	POOR Shallow to rock
		Moderately deep, well drained, strong brown, coarse-loamy on undulating summits and gently sloping backslopes; 2-10% rock outcrop and 0.1-3% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		PURCELLVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown silty (Purcellville) soils on undulating summits and gently sloping backslopes; 2-10% rock outcrop and 0.1-3% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
18C	Tankerville- Purcellville Complex, very rocky	TANKERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Rock outcrop Stoniness	POOR Shallow to rock
		Moderately deep, well drained, strong brown, coarse-loamy on rolling summits and strongly sloping backslopes; 2-10% rock outcrop and 0.1-3% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		PURCELLVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown silty soils on rolling summits and strongly sloping backslopes; 2-10% rock outcrop and 0.1-3% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
18D	Tankerville loam, very rocky	Moderately deep, well drained, strong brown, coarse-loamy soils on moderately steep backslopes; 2-10% rock outcrop and 3-15% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Steep slopes Stoniness	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
18E	Tankerville loam, very rocky	Moderately deep, well drained, strong brown, coarse-loamy soils on steep backslopes; 2-10% rock outcrop and 1-20% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes Rock outcrops Stoniness	NOT SUITED Very steep slopes Rock outcrops
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
18F	Tankerville loam, very rocky	Moderately deep, well drained, strong brown, coarse-loamy soils on very steep backslopes; 2-10% rock outcrop and 1-20% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Slope (%)	> 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes Rock outcrops Stoniness	NOT SUITED Verysteep slopes Rock outcrops
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
19B	Tankerville- Rock outcrop complex	Moderately deep, well drained, strong brown, coarse-loamy soils on undulating summits and gently sloping backslopes; 10 to 25% rock outcrops; loose stones and/or boulders cover 0 to 45% of the surface.; developed in residuum from granite, granite gneiss and granitic schist	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Rock outcrops Stoniness	NOT SUITED Rock outcrops
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
19C	Tankerville- Rock outcrop complex	Moderately deep, well drained, strong brown, coarse-loamy soils on rolling summits and strongly sloping backslopes; 10 to 25% rock outcrops; loose stones and/or boulders cover 0 to 45% of the surface.; developed in residuum from granite, granite gneiss and granitic schist	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Rock outcrops Stoniness	NOT SUITED Rock outcrops
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
19D	Tankerville- Rock outcrop complex	Moderately deep, well drained, strong brown, coarse-loamy soils on moderately steep backslopes and 10 to 25% rock outcrops; loose stones and/or boulders cover 0 to 45% of the surface.; developed in residuum from granite, granite gneiss and granitic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	VERY POOR Rock outcrops Steep slopes Stoniness	NOT SUITED Rock outcrops Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
19E	Tankerville- Rock outcrop complex	Moderately deep, well drained, strong brown, coarse-loamy soils on steep backslopes and 10 to 25% rock outcrop; 0-60% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Rock outcrops Very steep slopes Stoniness	NOT SUITED Rock outcrops Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
19F	Tankerville- Rock outcrop complex	Moderately deep, well drained, strong brown, coarse-loamy soils on very steep backslopes and 10 to 25% rock outcrop; 0-60% stones and/or boulders cover the surface; developed in residuum from granite, granite gneiss and granitic schist	Slope (%)	> 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Rock outcrops Very steep slopes Stoniness	NOT SUITED Rock outcrops Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
20B	Tankerville – Purcellville complex, Rocky	TANKERVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Moderately deep, well drained, strong brown coarse-loamy soils on undulating summits and gently sloping backslopes; 0.1 – 2% rock outcrop; developed in residuum from granite, schist and gneiss	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		PURCELLVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown fine-silty soils on undulating summits and gently sloping backslopes; 0.1 – 2% rock outcrop; developed in residuum from granite, schist and gneiss	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
20C	Tankerville – Purcellville complex, Rocky	TANKERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Moderately deep, well drained, strong brown coarse-loamy soils rolling summits and strongly sloping backslopes; 0.1 – 2% rock outcrop; developed in residuum from granite, schist and gneiss	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		PURCELLVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown fine-silty soils (Purcellville) on rolling summits and strongly sloping backslopes; 0.1 – 2% rock outcrop; developed in residuum from granite, schist and gneiss	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
20D	Tankerville – Purcellville complex, Rocky	TANKERVILLE	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Steep slopes	POOR Shallow to rock Steep slopes
		Moderately deep, well drained, strong brown coarse-loamy soils on moderately steep backslopes; 0.1 – 2% rock outcrop; developed in residuum from granite, schist and gneiss	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		PURCELLVILLE	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, strong brown fine-silty soils on moderately steep backslopes; 0.1 – 2% rock outcrop; developed in residuum from granite, schist and gneiss	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
20E	Tankerville loam; rocky	Moderately deep, well drained, strong brown, coarse- loamy soils on steep backslopes; 0.1 – 2% rock outcrop; developed in residuum from granite, granite gneiss and granitic schist	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes Shallow to rock	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			$K_{Sat}$		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
21A	Edneytown loam	Very deep, well drained, yellowish-brown loamy soils on nearly level summits and backslopes; developed in residuum from, augen gneiss, granite gneiss and granite	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
21B	Edneytown loam	Very deep, well drained, yellowish-brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from, augen gneiss, granite gneiss and granite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
21C	Edneytown loam	Very deep, well drained, yellowish-brown loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from, augen gneiss, granite gneiss and granite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
21D	Edneytown loam	Very deep, well drained, yellowish-brown loamy soils on moderately steep backslopes; developed in residuum from, augen gneiss, granite gneiss and granite	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
22B	Purcellville - Swampoodle complex	PURCELLVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; concentrated runoff from higher areas; low bearing capacity	POOR Intermittent high water table Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
		Very deep, well drained, strong brown silty soils on broad summits and slight depressions developed in local colluvium and residuum from granitic rocks	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
		Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)			
		Bearing Capacity:	Mod.				MODERATELY HIGH			
		SWAMPOODLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, moderately well drained, brownish yellow loamy soils with intermittent high water tables on broad summits and slight depressions; may have shrink-swell clay in subsoil; developed in local colluvium and residuum from granitic rocks	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
		Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate				
		Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)			
		Bearing Capacity:	low				MODERATELY HIGH			
23B	Purcellville loam	Very deep, well drained, strong brown fine-silty soils on undulating summits and gently sloping backslopes; developed in residuum from granite, schist and gneiss	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
23C	Purcellville loam	Very deep, well drained, strong brown fine-silty soils on strongly sloping backslopes; developed in residuum from granite, schist and gneiss	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
23D3	Purcellville loam; gullied	Very deep, well drained, strong brown fine-silty soils on moderately steep backslopes; developed in residuum from granite, schist and gneiss	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep Slopes	FAIR Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
24B	Edgemont - Culpeper Complex	EDGEMONT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
		Very deep, well drained, yellowish- brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from meta-arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		CULPEPER	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from meta-arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
24C	Edgemont loam	Very deep, well drained, yellowish- brown loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from meta- arkosic sandstone and meta- graywacke	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
24D	Edgemont loam	Very deep, well drained, yellowish- brown loamy soils on moderately steep backslopes; developed in residuum from meta-arkosic sandstone and meta-graywacke	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Slow percolation Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
25B	Hazel - Edgemont Complex	HAZEL	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Moderately deep, excessively well drained, yellowish-brown coarse- loamy soils on undulating summits and gently sloping backslopes; developed in residuum from arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		EDGEMONT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from arkosic sandstone and meta- graywacke	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
25C	Hazel - Edgemont Complex; rocky	HAZEL	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Moderately deep, excessively well drained, yellowish-brown coarse- loamy soils on rolling summits and strongly sloping backslopes; 0.1 to 2% rock outcrop; developed in residuum from arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
		EDGEMONT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on rolling summits and strongly sloping backslopes; 0.1 to 2% rock outcrop; developed in residuum from arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			K <sub>Sat</sub>			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
25C3	Hazel - Edgemont Complex; gullied	HAZEL	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Gullies	POOR Shallow to rock Gullies
		Moderately deep, excessively well drained, yellowish-brown coarse- loamy soils on rolling summits and strongly sloping backslopes with gullies ; developed in residuum from arkosic sandstone and meta- graywacke	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
		EDGEMONT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on rolling summits and strongly sloping backslopes with gullies ; developed in residuum from arkosic sandstone and meta- graywacke	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
25D	Hazel loam; rocky	Moderately deep, excessively well drained, yellowish-brown coarse- loamy soils on narrow summits and moderately steep backslopes; 0.1 to 2% rock outcrop; developed in residuum from arkosic sandstone and meta-graywacke	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Steep slopes Rock outcrop	POOR Shallow to rock Steep slopes Rock outcrop
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
25D3	Hazel - Edgemont Complex; gullied	HAZEL	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Steep slopes Gullies	POOR Shallow to rock Steep slopes Gullies
		Moderately deep, excessively well drained, yellowish-brown coarse- loamy soils on moderately steep backslopes with gullies; developed in residuum from arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
		EDGEMONT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on moderately steep backslopes with gullies; developed in residuum from arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
25E	Hazel loam; rocky	Moderately deep, excessively well drained, yellowish-brown coarse-loamy soils on steep backslopes, developed in residuum from arkosic sandstone and meta-graywacke	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep Slopes Shallow to rock	NOT SUITED Very steep slopes Shallow to rock	
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED			
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate				
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.				LOW			
26B	Culpeper fine sandy loam	Very deep, well drained, red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from meta-arkosic sandstone and meta-graywacke	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation	
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND			
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate				
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.				MODERATE			
26C	Culpeper fine sandy loam	Very deep, well drained, red clayey soils on rolling summits and strongly sloping backslopes; developed in residuum from meta-arkosic sandstone and meta-graywacke	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation	
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND			
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate				
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.				MODERATE			
28B	Fauquier and Eubanks Complex	FAUQUIER	Very deep, well drained, red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from sheared granite or granodiorite intruded by dikes of greenstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
				Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
				Watertable Depth (in.):	> 60	K Factor (subsoil):	0.28	Substratum: Moderate			
				Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
				Bearing Capacity:	Mod.				MODERATELY HIGH		
		EUBANKS	Very deep, well drained, red loamy soils on undulating summits and gently sloping backslopes; developed in residuum from sheared granite or granodiorite intruded by dikes of greenstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
				Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
				Watertable Depth (in.):	> 60	K Factor (subsoil):	0.32	Substratum: Moderate			
				Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
				Bearing Capacity:	Mod.				MODERATELY HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
28C	Fauquier and Eubanks Complex	FAUQUIER	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
		Very deep, well drained, red clayey soils on rolling summits and strongly sloping backslopes; developed in residuum from sheared granite or granodiorite intruded by dikes of greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
		EUBANKS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from sheared granite or granodiorite intruded by dikes of greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
28D	Fauquier and Eubanks Complex	FAUQUIER	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes Slow percolation
		Very deep, well drained, red clayey soils on moderately steep backslopes; developed in residuum from sheared granite or granodiorite intruded by dikes of greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
		EUBANKS	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red loamy soils on moderately steep backslopes; developed in residuum from sheared granite or granodiorite intruded by dikes of greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
30B	Edneytown - Chestnut Complex; rocky	EDNEYTOWN	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Very deep, well drained, yellowish-brown loamy soil on undulating summits and gently sloping backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss; 0.1 to 2 percent rock outcrop	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		CHESTNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained dark brown coarse-loamy soil on undulating summits and gently sloping backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss; 0.1 to 2 percent rock outcrop	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
30C	Edneytown - Chestnut Complex; rocky	EDNEYTOWN	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Very deep, well drained, yellowish-brown loamy soil on rolling summits and strongly sloping backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss; 0.1 to 2 percent rock outcrop	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		CHESTNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained dark brown coarse-loamy soil on rolling summits and strongly sloping backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss; 0.1 to 2 percent rock outcrop	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
30D	Edneytown - Chestnut Complex; rocky	<b>EDNEYTOWN</b>	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	<b>AGRICULTURE</b>	FAIR Shallow to rock Steep slopes	MARGINAL Shallow to rock Steep slopes
		Very deep, well drained, yellowish-brown loamy soil on moderately steep backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss; 0.1 to 2 percent rock outcrop	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		<b>CHESTNUT</b>	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	<b>AGRICULTURE</b>		
		Moderately deep, well drained dark brown coarse-loamy soil on moderately steep backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss; 0.1 to 2 percent rock outcrop	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				LOW		
31B	Purcellville – Tankerville Complex	<b>PURCELLVILLE</b>	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>	FAIR Shallow to rock	MARGINAL Shallow to rock
		Very deep, well drained, strong brown, fine-silty soils on undulating summits and gently sloping backslopes; developed in residuum from granite, granite gneiss and granitic schist	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		<b>TANKERVILLE</b>	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>		
		Moderately deep, well drained, strong brown, coarse-loamy soils on undulating summits and gently sloping backslopes; developed in residuum from granite, granite gneiss and granitic schist	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
31C	Purcellville – Tankerville Complex	PURCELLVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
		Very deep, well drained, strong brown, fine-silty soils on strongly sloping backslopes; developed in residuum from granite, granite gneiss and granitic schist	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
			TANKERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate		
		Moderately deep, well drained, strong brown, coarse-loamy soils on strongly sloping backslopes; developed in residuum from granite, granite gneiss and granitic schist	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
33B	Brinklow silt loam	Moderately deep, well drained, yellowish-red silty soils on gently sloping backslopes and convex undulating summits; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
33B3	Brinklow silt loam; Severely eroded	Moderately deep, well drained, yellowish-red silty soils on strongly sloping sideslopes that have been severely eroded; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
33C	Brinklow silt loam	Moderately deep, well drained, yellowish-red silty soils on strongly sloping sideslopes; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
33C3	Brinklow silt loam; Severely eroded	Moderately deep, well drained, yellowish-red silty soils on strongly sloping sideslopes that have been severely eroded; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
33D	Brinklow silt loam	Moderately deep, well drained, yellowish-red silty soils on moderately steep backslopes; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
33D2	Brinklow silt loam; Moderately eroded	Moderately deep, well drained, yellowish-red silty soils on moderately steep backslopes that have been moderately eroded; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
33D3	Brinklow silt loam; Severely eroded	Moderately deep, well drained, yellowish-red silty soils on moderately steep backslopes that have been severely eroded; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
33E	Brinklow silt loam	Moderately deep, well drained, yellowish-red silty soils on steep backslopes; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	25 - 45	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
33E3	Brinklow silt loam; Severely eroded	Moderately deep, well drained, yellowish-red silty soils on steep backslopes; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	25 - 45	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
34B	Yellowbottom loam	Very deep, well drained, yellowish- red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from sericite, biotite schist and meta- monzonite granite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
34C	Yellowbottom loam	Very deep, well drained, yellowish- red clayey soils on strongly sloping backslopes; developed in residuum from sericite, biotite schist and meta- monzonite granite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
34D	Yellowbottom loam	Very deep, well drained, yellowish- red clayey soils on moderately steep backslopes in dissected uplands; developed in residuum from sericite and biotite schist and gneiss	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Slow percolation Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
35B	Penhook silt loam	Very deep, well drained, red clayey soils on undulating summits and gently sloping backslopes in dissected uplands; developed in residuum from sericite schist, phyllonite, and phyllite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
35C	Penhook silt loam	Very deep, well drained, red clayey soils strongly sloping backslopes in dissected uplands; developed in residuum from sericite schist, phylionite, and phyllite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
35C3	Penhook silt loam; Severely eroded	Very deep, well drained, red clayey soils strongly sloping backslopes in dissected uplands that have been severely eroded; developed in residuum from sericite schist, phylionite, and phyllite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
35D	Penhook silt loam	Very deep, well drained, red clayey soils moderately steep backslopes in dissected uplands; developed in residuum from sericite schist, phylionite, and phyllite	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
38A	Swampoodle loam	Very deep, moderately well drained, brownish-yellow loamy soils with intermittent high water tables on broad summits and slight depressions; shrink- swell clays may occur in lower subsoil of some soil profiles; developed in local colluvium and residuum from granitic rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Occasional ponding; intermittent high water table; concentrated runoff from higher areas; possible shrink- swell clays	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY HIGH			
38B	Swampoodle loam	Very deep, moderately well drained, mottled brownish-yellow and strong brown loamy soils with intermittent high water tables on broad summits and slight depressions; may have shrink-swell clay in subsoil; developed in local colluvium and residuum from granitic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Intermittent high water table; Possible shrink- swell clays	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY HIGH			

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
40B	Myersville silt loam	Deep, well drained, strong brown silty soils on undulating summits and gently sloping backslopes; developed in residuum from greenstone and chloritic schist	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
40C	Myersville silt loam	Deep, well drained, strong brown silty soils on rolling summits and strongly sloping backslopes; developed in residuum from greenstone and chloritic schist	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
40C3	Myersville silt loam; Severely eroded	Deep, well drained, strong brown silty soils on rolling summits and strongly sloping backslopes that has been severely eroded; developed in residuum from greenstone and chloritic schist	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
40D	Myersville silt loam, stony	Deep, well drained, strong brown silty soils on moderately steep backslopes; stones cover 0.02 – 0.1% of the soil surface; developed in residuum from greenstone and chloritic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Steep slopes Shallow to rock	MARGINAL Steep slopes Shallow to rock
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
40E	Pignut silt loam, stony	Moderately deep, well drained, strong brown silty soils on steep backslopes; with cobbles and stones ranging from .01 – 0.1% on the soil surface; developed in residuum from greenstone and chloritic schist	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes Shallow to rock	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
41B	Alanthus – Pignut complex; very stony	ALANTHUS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock Stoniness	MARGINAL Shallow to rock
		Very deep, well drained, yellowish red silty soils on undulating summits and gently sloping backslopes; surface cover is represented by .05 – 4% stones, 0 – 4% cobbles and 0 – 0.1% rock outcrop; developed in residuum from greenstone and chloritic schist.	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		PIGNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on undulating summits and gently sloping backslopes; surface cover is represented by .05 – 4% stones, 0 – 4% cobbles and 0 – 0.1% rock outcrop; developed in residuum from greenstone and chloritic schist.	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
41C	Alanthus – Pignut complex; very stony	ALANTHUS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock Stoniness	MARGINAL Shallow to rock
		Very deep, well drained, yellowish red silty soils on strongly sloping backslopes; surface cover is represented by 0.1 – 3% stones, 0 – 3% cobbles and 0 – 0.01% rock outcrop; developed in residuum from greenstone and chloritic schist.	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		PIGNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on strongly sloping backslopes; surface cover is represented by 0.1 – 3% stones, 0 – 3% cobbles and 0 – 0.01% rock outcrop; developed in residuum from greenstone and chloritic schist.	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
41D	Pignut – Alanthus complex, extremely stony	PIGNUT  Moderately deep, well drained, strong brown silty soils on moderately steep backslopes; surface cover is represented by 3 – 15% stones, 0 – 3% cobbles and 0 – 0.01% rock outcrop; developed in residuum from greenstone and chloritic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Steep slopes Shallow to rock Stoniness	POOR Steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		ALANTHUS  Very deep, well drained, yellowish red silty soils on moderately steep backslopes; surface cover is represented by 3 – 15% stones, 0 – 3% cobbles and 0 – 0.01% rock outcrop; developed in residuum from greenstone and chloritic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
41E	Pignut silt loam, extremely stony	Moderately deep, well drained, strong brown silty soils on steep backslopes; surface cover is represented by 3 – 15% stones, 0 – 3% cobbles and 0 – 0.01% rock outcrop; developed in residuum from greenstone and chloritic schist	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes shallow to rock Stoniness	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
42C	Pignut - Rock Outcrop Complex	Moderately deep, well drained, strong brown silty soils and 10 – 25% rock outcrop on strongly sloping backslopes; surface cover is represented by 1 – 15% cobbles, 3 – 25% stones, and 0 – 20% boulders; developed in residuum from greenstone and chloritic schist	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Rock outcrops Shallow to rock	NOT SUITED Rock outcrop Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
42D	Pignut - Rock Outcrop Complex	Moderately deep, well drained, strong brown silty soils and 15 – 25% rock outcrop on moderately steep backslopes; surface cover is represented by 0 – 15% cobbles, 3 – 25% stones, and 0 – 20% boulders; developed in residuum from greenstone and chloritic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Rock outcrops Steep slopes Shallow to rock	NOT SUITED Rock outcrop Steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
42E	Pignut - Rock Outcrop Complex	Moderately deep, well drained, strong brown silty soils and 15 – 25% rock outcrop on steep backslopes; surface cover is represented by 0 – 15% cobbles, 3 – 25% stones, and 0 – 20% boulders; developed in residuum from greenstone and chloritic schist	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Rock outcrops Very steep slopes Shallow to rock	NOT SUITED Rock outcrop Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
43B	Alanthus silt loam	Very deep, well drained, yellowish-red silty soils on undulating summits and gently sloping backslopes; developed in residuum from greenstone and chloritic schist	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
43C	Alanthus silt loam	Very deep, well drained, yellowish-red silty soils on strongly sloping backslopes; developed in residuum from greenstone and chloritic schist	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
43C3	Alanthus silty clay loam; severely eroded	Very deep, well drained, yellowish-red silty soils on strongly sloping backslopes that have been severely eroded; developed in residuum from greenstone and chloritic schist	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
43D	Alanthus silt loam	Very deep, well drained, yellowish-red silty soils on moderately steep backslopes; developed in residuum from greenstone and chloritic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
43D3	Alanthus silty clay loam; severely eroded	Very deep, well drained, yellowish- red silty soils on moderately steep backslopes that have been severely eroded; developed in residuum from greenstone and chloritic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
45B	Fauquier silt loam	Very deep, well drained, red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from massive greenstone and chloritic schist	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
45B3	Fauquier silty clay loam; severely eroded	Very deep, well drained, red clayey soils on undulating summits and gently sloping backslopes that have been severely eroded; developed in residuum from massive greenstone and chloritic schist	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
45C	Fauquier silt loam	Very deep, well drained, red clayey soils on strongly sloping backslopes; developed in residuum from massive greenstone and chloritic schist	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
45C3	Fauquier silty clay loam; severely eroded	Very deep, well drained, red clayey soils on strongly sloping backslopes that have been severely eroded; developed in residuum from massive greenstone and chloritic schist	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
45D	Fauquier silt loam	Very deep, well drained, red clayey soils on moderately steep backslopes; developed in residuum from massive greenstone and chloritic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
45D3	Fauquier silty clay loam; severely eroded	Very deep, well drained, red clayey soils on moderately steep backslopes that have been severely eroded; developed in residuum from massive greenstone and chloritic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
47B	Elioak - Fauquier complex	ELIOAK	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
		Very deep, well drained, micaceous, dark red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from micaceous acid crystalline rock and chloritic schist	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
		FAUQUIER	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from micaceous acid crystalline rock and chloritic schist	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
47C	Elioak - Fauquier complex	ELIOAK	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
		Very deep, well drained, micaceous, dark red clayey soils on rolling summits and strongly sloping backslopes; developed in residuum from micaceous acid crystalline rock and chloritic schist	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
		FAUQUIER	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils on rolling summits and strongly sloping backslopes; developed in residuum from micaceous acid crystalline rock and chloritic schist	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
47C3	Elioak - Fauquier Complex; severely eroded	ELIOAK	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
		Very deep, well drained, micaceous, dark red clayey soils on rolling summits and strongly sloping backslopes; developed in residuum from micaceous acid crystalline rock and chloritic schist	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
		FAUQUIER	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, red clayey soils on rolling summits and strongly sloping backslopes; developed in residuum from micaceous acid crystalline rock and chloritic schist	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		

MAP. UNIT SYMBOL	SOIL NAME	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES				K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)		Erosional Hazard Potential:					
47D	Elioak - Fauquier Complex	<b>ELIOAK</b>	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	<b>AGRICULTURE</b>	FAIR Steep slope	MARGINAL Steep slopes Slow percolation
		Very deep, well drained, micaceous, yellowish-red clayey soils on moderately steep backslopes; developed in residuum from micaceous acid rocks.	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	low				MODERATELY HIGH		
		<b>FAUQUIER</b>	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	<b>AGRICULTURE</b>		
		Very deep, well drained, red clayey soils on moderately steep backslopes; developed in residuum from greenstone.	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				HIGH		
48A	Fletcher ville – Myersville Complex	<b>FLETCHERVILLE</b>	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	<b>AGRICULTURE</b>	POOR Intermittent high water table; high shrink-swell clays occur locally	POOR High water table Landscape position
		Deep, moderately well drained, light yellowish-brown clayey soils in saddles and heads of drainageways; developed in residuum from greenstone schist	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Weathered Bedrock: Impermeable	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH		
		<b>MYERSVILLE</b>	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	<b>AGRICULTURE</b>		
		Deep, well drained, strong brown silty soils in saddles and heads of drainageways; developed in residuum from greenstone schist	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATELY HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
48B	Fletcher ville – Myersville Complex	FLETCHERVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Intermittent high water table; high shrink-swell clays occur locally	POOR High water table Landscape position
		Deep, moderately well drained, light yellowish-brown clayey soils in saddles and heads of drainageways; developed in residuum from greenstone schist.	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH		
		MYERSVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, well drained, strong brown silty soils in saddles and heads of drainageways; developed in residuum from greenstone schist.	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
48C	Myersville - Fletcher ville Complex	MYERSVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Intermittent high water table; high shrink-swell clays occur locally	POOR High water table
		Deep, well drained, strong brown silty soils on strongly sloping backslopes; developed in residuum from greenstone schist.	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Monderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
		FLETCHERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, moderately well drained, light yellowish-brown clayey soils on strongly sloping backslopes; developed in residuum from greenstone schist	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
48C3	Myersville - Fletcher ville Complex; severely eroded	MYERSVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Intermittent high water table; high shrink-swell clays occur locally	POOR High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		FLETCHERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATE		
50A	Goldvein fine gravely silt loam	Very deep, moderately well drained, yellowish-brown loamy fragipan soil on broad, nearly level summits; developed in residuum from quartz monzonite and granite pegmatite	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table Fragipan
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
50B	Goldvein fine gravely silt loam	Very deep, moderately well drained, yellowish-brown loamy fragipan soil on broad, undulating summits and gently sloping backslopes; developed in residuum from quartz monzonite and granite pegmatite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table Fragipan
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
50C	Goldvein fine gravely silt loam	Very deep, moderately well drained, yellowish-brown loamy fragipan soil on strongly sloping backslopes; developed in residuum from quartz monzonite and granite pegmatite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table Fragipan
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
51D	Stumptown- Rock Outcrop Complex	Moderately deep, well drained, strong brown loamy soils containing more than 35% rock fragments and 10 – 20 % rock outcrop on hilly summits and moderately steep backslopes; soil surface is covered with 0 – 15 % flagstones and/or boulders; developed from local creep and residuum from interbedded quartzite, quartz muscovite schist and phyllite.	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	VERY POOR Steep slopes Shallow to rock	NOT SUITED Shallow to rock Steep slopes Rock outcrop
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
51E	Stumptown- Rock Outcrop Complex	Moderately deep, well drained, strong brown loamy soils containing more than 35% rock fragments and 10 – 20 % rock outcrop on steep backslopes; soil surface is covered with 0 – 15 % flagstones and/or boulders; developed from local creep and residuum from interbedded quartzite, quartz muscovite schist and phyllite	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes Shallow to rock	NOT SUITED Shallow to rock Very steep slopes Rock outcrop
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.2	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
53B	Glenelg loam	Very deep, well drained, micaceous, dark brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from micaceous acid crystalline rock	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD High mica content in substratum may interfere with compaction	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
53C	Glenelg loam	Very deep, well drained, micaceous, dark brown loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from micaceous acid crystalline rock	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	GOOD High mica content in substratum may interfere with compaction	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
53D	Glenelg loam	Very deep, well drained, micaceous, yellowish-red loamy soils on moderately steep backslopes in dissected uplands; developed in residuum from mica schist and mica gneiss	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	FAIR High mica content in substratum may interfere with compaction	MARGINAL Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
55B	Elioak loam	Very deep, well drained, micaceous, dark red clayey soils on broad summits and gently sloping backslopes; developed in residuum from micaceous acid crystalline rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD High mica content in substratum may interfere with compaction	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
55C	Elioak loam	Very deep, well drained, micaceous, dark red clayey soils on rolling summits and strongly sloping backslopes; developed in residuum from micaceous acid crystalline rocks	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD High mica content in substratum may interfere with compaction	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
56B	Cardova silt loam	Moderately deep, somewhat excessively drained, olive gray silty soils on undulating summits and gently sloping backslopes; developed in residuum from black graphitic schist	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock; High silt content (low bearing capacity); High corrosivity to steel and concrete; High soil acidity will make stabilization difficult	MARGINAL Shallow to rock Fiberglass septic tanks, distribution boxes, etc. will have to be used instead of concrete due to high acidity
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low		Hard Bedrock: Impermeable	LOW			
56C	Cardova silt loam	Moderately deep, somewhat excessively drained, olive gray silty soils on rolling summits and strongly sloping backslopes; developed in residuum from black graphitic schist	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock; High silt content (low bearing capacity); High corrosivity to steel and concrete; High soil acidity will make stabilization difficult	POOR Shallow to rock Fiberglass septic tanks, distribution boxes, etc. will have to be used instead of concrete due to high acidity
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low		Hard Bedrock: Impermeable	LOW			
56D	Cardova silt loam	Moderately deep, somewhat excessively drained, olive gray silty soils on hilly summits and moderately steep backslopes; developed in residuum from black graphitic schist	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; High silt content (low bearing capacity); Steep slopes; High corrosivity to steel and concrete; High soil acidity will make stabilization difficult	POOR Shallow to rock Steep slopes Fiberglass septic tanks, distribution boxes, etc. will have to be used instead of concrete due to high acidity
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low		Hard Bedrock: Impermeable	LOW			

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
56E	Cardova silt loam	Moderately deep, somewhat excessively drained, olive gray silty soils on steep backslopes; developed in residuum from black graphitic schist	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock; High silt content (low bearing capacity); Very steep slopes; High corrosivity to steel and concrete; High soil acidity will make stabilization difficult	NOT SUITED Shallow to rock Very steep slopes Fiberglass septic tanks, distribution boxes, etc. will have to be used instead of concrete due to high acidity
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low		Hard Bedrock: Impermeable	LOW			
56F	Cardova silt loam	Moderately deep, somewhat excessively drained, olive gray silty soils on very steep backslopes; developed in residuum from black graphitic schist	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock; High silt content (low bearing capacity); Very steep slopes; High corrosivity to steel and concrete; High soil acidity will make stabilization difficult	NOT SUITED Shallow to rock Very steep slopes Fiberglass septic tanks, distribution boxes, etc. will have to be used instead of concrete due to high acidity
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		WHEN DISTURBED CAN PRODUCE HIGH ACIDITY	Bearing Capacity:	low		Hard Bedrock: Impermeable	LOW			
59B	Mongle loam, rubbly	Very deep, somewhat poorly drained, yellowish brown loamy soils with high water tables in concave landscapes, along small drainageways and on alluvial fans; developed in recent colluvium/alluvium washed from basic and acidic rocks; 15 - 50 % cobbles, stones and/or boulders cover the soil surface	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Frequent flooding; High water table; Concentrated runoff from higher areas; Overland flow-significant destructive potential during storm events	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	NOT SUITED		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			
59C	Mongle loam, rubbly	Very deep, somewhat poorly drained, yellowish brown loamy soils with high water tables in concave landscapes, along small drainageways and on alluvial fans; developed in recent colluvium/alluvium washed from basic and acidic rocks; 15 - 50 % cobbles, stones and/or boulders cover the soil surface	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Frequent flooding; High water table; Concentrated runoff from higher areas; Overland flow-significant destructive potential during storm events	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	NOT SUITED		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.37	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			

MAP. UNIT SYMBOL	SOIL NAME	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$	CENTRAL WATER AND CENTRAL SEWER		CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
			Slope (%)		Erosional Hazard Potential:					
60A	Ott-Catlett Complex	OTT	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	NOT SUITED Shallow to rock
		Moderately deep, well drained, loamy, dark yellowish brown soils on nearly level summits and backslopes; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		CATLETT	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Shallow, well drained, loamy-skeletal, dark gray soils containing more than 35% rock fragments on nearly level summits and backslopes; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
60B	Ott-Catlett Complex	OTT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	NOT SUITED Shallow to rock
		Moderately deep, well drained, loamy, dark yellowish brown soils on undulating summits and gently sloping backslopes; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		CATLETT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Shallow, well drained, loamy-skeletal, dark gray soils containing more than 35% rock fragments on undulating summits and gently sloping backslopes; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
60C	Ott-Catlett Complex	OTT	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	NOT SUITED Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
		CATLETT	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
60D	Catlett gravelly silt loam	Shallow, well drained, grayish-brown loamy-skeletal soils containing more than 35% rock fragments on moderately steep backslopes; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Steep slopes Shallow to rock	NOT SUITED Steep slopes Shallow to rock
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
61A	Brecknock silt loam	Deep, well drained, dark yellowish brown silty soils on nearly level summits and backslopes; developed in residuum from bluish-gray thermally altered Triassic shale and siltstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	GOOD Low bearing capacity when wet due to high silt content	MARGINAL Slow percolation
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
61B	Brecknock silt loam	Deep, well drained, dark yellowish brown silty soils on undulating summits and gently sloping backslopes; developed in residuum from bluish-gray thermally altered Triassic shale and siltstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD Low bearing capacity when wet due to high silt content	MARGINAL Slow percolation
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
61C	Brecknock silt loam	Deep, well drained, dark yellowish brown silty soils on rolling summits and strongly sloping backslopes; developed in residuum from bluish-gray thermally altered Triassic shale and siltstone	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	GOOD Low bearing capacity when wet due to high silt content	MARGINAL Slow percolation
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
62A	Sycoline silt loam	Moderately deep, moderately well to somewhat poorly drained, brown silty soils with intermittent high water tables on nearly level summits and backslopes; developed in residuum from bluish-gray thermally altered Triassic shale and siltstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR Intermittent high watertable; Low bearing capacity when wet; Shallow to rock	NOT SUITED High water table
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.43	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			
62B	Sycoline silt loam	Moderately deep, moderately well to somewhat poorly drained, brown silty soils with intermittent high water tables on undulating summits and gently sloping backslopes; developed in residuum from bluish-gray thermally altered Triassic shale and siltstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Intermittent high watertable; Low bearing capacity when wet; Shallow to rock	NOT SUITED High water table
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.43	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			
63A	Kelly silt loam	Deep, somewhat poorly drained, yellowish-brown clay pan soils with intermittent high water tables on broad upland flats and concave areas; developed in old alluvial capping underlain by residuum from thermally-altered Triassic shale and granulate	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR High shrink-swell clay layers in the subsoil; High watertable; Shallow to rock; Low relief; Low bearing capacity	NOT SUITED High water table Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			
63B	Kelly Variant silt loam	Moderately deep, somewhat poorly drained, yellowish-brown clay pan soils with intermittent high water tables on broad upland flats and concave areas; developed in old alluvial capping underlain by residuum from thermally-altered Triassic shale and granulate	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR High shrink-swell clay layers in the subsoil; High watertable; Shallow to rock; Low relief; Low bearing capacity	NOT SUITED High water table Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES		$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
63C	Kelly Variant silt loam	Moderately deep, somewhat poorly drained, yellowish-brown clay pan soils with intermittent high water tables in saddles and heads of drainageways; developed in old alluvial capping underlain by residuum from thermally-altered Triassic shale and granulite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR High shrink-swell clay layers in the subsoil; High watertable; Shallow to rock; Low relief; Low bearing capacity	NOT SUITED High water table Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			
64B	Oakhill - Legore Complex	OAKHILL	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Moderately deep, well drained, yellowish-red, loamy-skeletal soils containing more than 35% rock fragments in the subsoil on broad summits; developed in residuum from basalt	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
		LEGORE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-red loamy soils on broad summits; developed in residuum from basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
64C	Oakhill loam	Moderately deep, well drained, yellowish-red loamy-skeletal soils containing more than 35% rock fragments in the subsoil on strongly sloping backslopes; developed in residuum from basalt	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
64D	Oakhill loam, stony	Moderately deep, well drained, yellowish-red loamy-skeletal soils containing more than 35% rock fragments in the subsoil on moderately steep backslopes; stones and cobbles cover 0.01 – 0.1% of the soil surface; developed in residuum from basalt	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
64E	Oakhill loam, stony	Moderately deep, well drained, yellowish-red loamy-skeletal soils containing more than 35% rock fragments in the subsoil on steep backslopes; stones and cobbles cover 0.01 – 0.1% of the soil surface; developed in residuum from basalt	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
65A	Montalto loam	Very deep, well drained, red clayey soils on nearly level summits and backslopes; developed in residuum from diabase and basalt	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
65B	Montalto loam	Very deep, well drained, red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from diabase and basalt	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
65C	Montalto loam	Very deep, well drained, red clayey soils on rolling summits and strongly sloping backslopes; developed in residuum from diabase and basalt	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
66A	Waxpool silt loam	Very deep, poorly drained, light olive brown clay pan soils with intermittent high water tables on broad nearly level summits; developed in residuum from diabase and basalt	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Frequent ponding; Extremely plastic shrink- swell clay pan in the subsoil; High water table; Low relief	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.43	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
		HYDRIC SOIL	Bearing Capacity:	low				LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
67A	Jackland and Haymarket silt loams	JACKLAND	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Extremely plastic shrink-swell clay pan in the subsoil; Intermittent high water table	NOT SUITED High water table
		Very deep, moderately well to somewhat poorly drained, yellowish brown to olive brown clay pan soils with intermittent high water tables on nearly level summits and backslopes; developed in residuum	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
		HAYMARKET	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Very deep, well drained dark brown clay pan soils on nearly level summits and backslopes; developed in residuum from diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
67B	Jackland and Haymarket silt loams	JACKLAND	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Extremely plastic shrink-swell clay pan in the subsoil; Intermittent high water table	NOT SUITED High water table
		Very deep, moderately well drained to somewhat poorly, yellowish brown to olive brown clay pan soils with intermittent high water tables on undulating summits and gently sloping backslopes; developed in residuum from diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
		HAYMARKET	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained dark brown clay pan soils on undulating summits and gently sloping backslopes; developed in residuum from diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
67C	Jackland and Haymarket silt loams	JACKLAND	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	VERY POOR Extremely plastic shrink-swell clay pan in the subsoil; Intermittent high water table	NOT SUITED High water table
		Very deep, moderately well to somewhat poorly drained, yellowish brown to olive brown clay pan soils with intermittent high water tables on strongly sloping backslopes; developed in residuum from diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
		HAYMARKET	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained dark brown clay pan soils on strongly sloping backslopes; developed in residuum from diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
68B	Jackland and Haymarket silt loams, very stony	JACKLAND	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Extremely plastic shrink-swell clay pan in the subsoil; Intermittent high water table; Large amounts of stones and boulders on the surface	NOT SUITED High water table Stone content
		Very deep, moderately well drained to somewhat poorly, yellowish brown to olive brown clay pan soils with intermittent high water tables on undulating summits and gently sloping backslopes; soil surface is covered by 0.2 - 4% stones and 0 - 0.05 boulders; developed in residuum from diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
		HAYMARKET	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained dark brown clay pan soils on undulating summits and gently sloping backslopes; soil surface is covered by 0.2 - 4% stones and 0 - 0.05 boulders; developed in residuum from diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			May have Hydric Soil inclusions	Bearing Capacity:	low					

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			K <sub>Sat</sub>			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
68C	Jackland and Haymarket silt loams, very stony	<b>JACKLAND</b>	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>	VERY POOR Extremely plastic shrink-swell clay pan in the subsoil; Intermittent high water table; Large amounts of stones and boulders on the surface	NOT SUITED High water table Stone content
		Very deep, moderately well drained to somewhat poorly, yellowish brown to olive brown clay pan soils with intermittent high water tables on strongly sloping backslopes; soil surface is covered by 0.2 – 4% stones and 0 – 0.05 boulders; developed in residuum from diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	<b>SECONDARY PASTURE</b>		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	low				<b>MODERATELY LOW</b>		
		<b>HAYMARKET</b>	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>		
		Very deep, well drained dark brown clay pan soils on strongly sloping backslopes; soil surface is covered by 0.2 – 4% stones and 0 – 0.05 boulders; developed in residuum from diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	<b>SECONDARY PASTURE</b>		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	low				<b>MODERATELY LOW</b>		
69A	Elbert silt loam	Deep, poorly drained, dark gray clay pan soils in drainageways; formed in alluvium and residuum from diabase and basalt	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	<b>AGRICULTURE</b>	VERY POOR Frequent flooding; Occasional ponding; Concentrated runoff from higher area; High shrink-swell clays; High water table; Low relief	NOT SUITED High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	<b>SECONDARY PASTURE</b>		
			Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.24	Substratum: low			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Weathered Bedrock: Impermeable	<b>FORESTRY (HARDWOOD)</b>		
		<b>HYDRIC SOIL</b>	Bearing Capacity:	low			<b>LOW</b>			
70A	Mt. Lucas loam	Deep, somewhat poorly drained, yellowish-brown loamy over clayey soils on nearly level summits and footslopes; developed in colluvium over residuum from basalt and diabase	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	<b>AGRICULTURE</b>	POOR High water table; Shrink-swell clay may occur in lower subsoil	NOT SUITED High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	<b>PRIME PASTURE</b>		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		<b>FORESTRY (HARDWOOD)</b>		
		May have Hydric Soil inclusions	Bearing Capacity:	low			<b>MODERATE</b>			
71A	Panorama silt loam	Deep, well drained, reddish-brown silty soils on nearly level summits; developed in residuum from red Triassic shale, siltstone and fine-grained sandstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	<b>AGRICULTURE</b>	GOOD Low bearing capacity when wet due to high silt content	MARGINAL Slow percolation
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	<b>PRIME CROPLAND</b>		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: low	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	low				<b>MODERATE</b>		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
71B	Panorama silt loam	Deep, well drained, reddish-brown silty soils on undulating summits and gently sloping backslopes; developed in residuum from red Triassic shale, siltstone and fine-grained sandstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD Low bearing capacity when wet due to high silt content	MARGINAL Slow percolation
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
71C	Panorama silt loam	Deep, well drained, dark reddish-brown silty soils rolling summits and strongly sloping backslopes; developed in residuum from red Triassic shale and sandstone	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD Low bearing capacity when wet due to high silt content	MARGINAL Slow percolation
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
71D	Panorama silt loam	Deep, well drained, dark reddish-brown silty soils moderately steep backslopes; developed in residuum from red Triassic shale and sandstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Low bearing capacity when wet due to high silt content; Steep slopes	MARGINAL Slow percolation Steep slopes
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
73A	Penn loam	Moderately deep, well drained, red silty soils on nearly level summits, developed in residuum from Triassic shale, siltstone and fine-grained sandstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	GOOD Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
73B	Penn loam	Moderately deep, well drained, red silty soils on undulating summits and gently sloping backslopes, developed in residuum from Triassic shale, siltstone and fine-grained sandstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
73C	Penn loam	Moderately deep, well drained, red silty soils on strongly sloping backslopes, developed in residuum from Triassic shale, siltstone and fine grained sandstone	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	GOOD Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
73D	Penn loam	Moderately deep, well drained, red silty soils on moderately steep backslopes, developed in residuum from Triassic shale, siltstone and fine grained sandstone	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes Shallow to rock	POOR Steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
74A	Ashburn silt loam	Moderately deep, moderately well drained, strong brown silty soils with intermittent high water tables on broad, nearly level upland flats; developed from thin fluvial capping over Triassic siltstone, fine grained sandstone and shale	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high silt content and/or shrink-swell clay in lower horizons	POOR Shallow to rock Water table
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
74B	Ashburn silt loam	Moderately deep, moderately well drained, strong brown silty soils with intermittent high water tables on broad undulating summits and gently sloping backslopes; developed from thin fluvial capping over Triassic siltstone, fine grained sandstone and shale	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high silt content and/or shrink-swell clay in lower horizons	POOR Shallow to rock Water table
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
74C	Ashburn silt loam	Moderately deep, moderately well drained, strong brown silty soils with intermittent high water tables on strongly sloping backslopes; developed from thin fluvial capping over Triassic siltstone, fine grained sandstone and shale	Slope (%)	7 - 14	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high silt content and/or shrink-swell clay in lower horizons	POOR Shallow to rock Water table
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
75A	Clover loam	Very deep, well drained, dark-red and reddish-yellow clayey soils on nearly level summits; developed in residuum from Triassic conglomerate, siltstone and shale	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
75B	Clover loam	Very deep, well drained, dark-red and reddish yellow clayey soils on broad, undulating summits; developed in residuum from Triassic conglomerate, shale and siltstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
75C	Clover loam	Very deep, well drained, dark-red and reddish yellow clayey soils on strongly sloping backslopes; developed in residuum from Triassic conglomerate, shale and siltstone	Slope (%)	7 -15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
75D	Clover loam	Very deep, well drained, dark-red and reddish-yellow clayey soils on moderately steep backslopes; developed in residuum from interbedded Triassic conglomerate, shale and siltstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES				K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
		Slope (%)		Erosional Hazard Potential:						
76B	Sudley - Oatlands Complex	<b>SUDLEY</b>	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>	GOOD Shallow to rock	MARGINAL Shallow to rock Slow percolation with depth
		Very deep, well drained strong brown to reddish-brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from Triassic conglomerate and sandstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATE		
		<b>OATLANDS</b>	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>		
		Moderately deep, well drained strong brown to reddish-brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from Triassic conglomerate and sandstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATE		
76C	Sudley - Oatlands Complex	<b>SUDLEY</b>	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>	GOOD Shallow to rock	MARGINAL Shallow to rock Slow percolation with depth
		Very deep well drained strong brown to reddish-brown loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from Triassic conglomerate and sandstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATE		
		<b>OATLANDS</b>	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>		
		Moderately deep, well drained strong brown to reddish-brown loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from Triassic conglomerate and sandstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
76D	Sudley - Oatlands Complex	<b>SUDLEY</b>	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	<b>AGRICULTURE</b>	FAIR Steep slopes Shallow to rock	MARGINAL Steep slopes Shallow to rock Slow percolation with depth
		Very deep, well drained strong brown to reddish-brown loamy soils on moderately steep backslopes; developed in residuum from Triassic conglomerate and sandstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATE		
		<b>OATLANDS</b>	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	<b>AGRICULTURE</b>		
		Moderately deep, well drained strong brown to reddish-brown loamy soils on moderately steep backslopes; developed in residuum from Triassic conglomerate and sandstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATE		
76E	Sudley - Oatlands Complex	<b>SUDLEY</b>	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	<b>AGRICULTURE</b>	POOR Very steep slopes Shallow to rock	NOT SUITED Very steep slopes Shallow to rock Slow percolation with depth
		Very deep, well drained strong brown to reddish-brown loamy soils on steep backslopes; developed in residuum from Triassic conglomerate and sandstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		<b>OATLANDS</b>	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	<b>AGRICULTURE</b>		
		Moderately deep, well drained strong brown to reddish-brown loamy soils on steep backslopes; developed in residuum from Triassic conglomerate and sandstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL	SOIL NAME	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES				K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
			Slope (%)		Erosional Hazard Potential:					
77A	Arcola - Nestoria Complex	ARCOLA	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock; Little soil available for landscaping or grading	POOR Shallow to rock
		Moderately deep, well drained dark red silty soils on nearly level summits; developed in residuum from Triassic siltstone and shale	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
		NESTORIA	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE		
		Shallow, well to excessively drained, yellowish red silty soil containing more than 35% rock fragments in the subsoil on nearly level summits; developed in residuum from Triassic siltstone and shale	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
77B	Arcola - Nestoria Complex	ARCOLA	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock; Little soil available for landscaping or grading	POOR Shallow to rock
		Moderately deep, well drained dark red silty soil on undulating summits and gently sloping backslopes; developed in residuum from Triassic siltstone and shale	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
		NESTORIA	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Shallow, well to excessively drained, yellowish red silty soil containing more than 35% rock fragments in the subsoil on undulating summits and gently sloping backslopes; developed in residuum from Triassic siltstone and shale	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
77B3	Arcola - Nestoria Complex; gullied	ARCOLA	Slope (%)	2 - 7	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; Little soil available for landscaping or grading	NOT SUITED Shallow to rock
		Moderately deep, well drained dark red silty soil with gullies on gently sloping backslopes; developed in residuum from Triassic siltstone and shale	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
		NESTORIA	Slope (%)	2 - 7	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Shallow, well to excessively drained, yellowish red silty soil containing more than 35% rock fragments in the subsoil with gullies on gently sloping backslopes; developed in residuum from Triassic siltstone and shale	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
77C	Arcola - Nestoria Complex	ARCOLA	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock; Little soil available for landscaping or grading	POOR Shallow to rock
		Moderately deep, well drained dark red silty soil on strongly sloping backslopes; developed in residuum from Triassic siltstone and shale	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
		NESTORIA	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Shallow, well to excessively drained, yellowish red silty soil containing more than 35% rock fragments in the subsoil on strongly sloping backslopes; developed in residuum from Triassic siltstone and shale	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
77C3	Nestoria – Arcola complex, gullied	NESTORIA	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; Little soil available for landscaping or grading	NOT SUITED Shallow to rock	
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE			
		Shallow, well to excessively drained, eroded reddish-brown silty soils with gullies on strongly sloping convex backslopes in dissected terrain; developed in residuum from Triassic siltstone and shale	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate				
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW			
			ARCOLA	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate			AGRICULTURE
		Bedrock Depth (in.):		20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE			
		Watertable Depth (in.):		> 40	K Factor (subsoil):	0.1	Substratum: Moderate				
		Shrink-Swell Potential:		low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)			
		Moderately deep, well drained eroded reddish-brown silty soils with gullies on strongly sloping convex backslopes in dissected terrain; developed in residuum from Triassic siltstone and shale	Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW			
77D	Nestoria gravelly loam		Shallow, well to excessively drained reddish-brown loamy soils containing more than 35% rock fragments on moderately steep backslopes; developed in residuum from Triassic siltstone and shale	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; Steep slopes; little soil material available for landscaping or grading	NOT SUITED Shallow to rock Steep slopes
				Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
				Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
		Shrink-Swell Potential:		low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)			
		Bearing Capacity:		Mod.			Hard Bedrock: Impermeable	MODERATELY LOW			
77E	Nestoria gravelly loam	Shallow, well to excessively drained reddish-brown loamy soils containing more than 35% rock fragments on steep backslopes; developed in residuum from Triassic siltstone and shale	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; Steep slopes; little soil material available for landscaping or grading	NOT SUITED Shallow to rock Steep slopes	
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE			
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate				
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW			
78A	Dulles silt loam	Deep, moderately well and somewhat poorly drained, light yellowish-brown clayey soils with intermittent high water table water tables on broad, nearly level interflues and concave areas; developed in local colluvium and residuum from red Triassic shale and sandstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; Frequent flooding; Occasional ponding; High water table; Low relief; Low bearing capacity when wet due to high silt content and shrink-swell clay in the subsoil	NOT SUITED High water table Landscape position	
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	PRIME PASTURE			
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.43	Substratum: low				
			Shrink-Swell Potential:	High	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)			
		May have Hydric Soil inclusions	Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW			

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
78B	Dulles silt loam	Deep, moderately well and somewhat poorly drained, light yellowish-brown clayey soils with intermittent high water table water tables drainageways; developed in local colluvium and alluvium over residuum from red Triassic shale and sandstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; Frequent flooding; Occasional ponding; High water table; Low relief; Low bearing capacity when wet due to high silt content and shrink-swell clay in the subsoil	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.43	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	D	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low		Hard Bedrock: Impermeable	MODERATELY LOW			
79A	Albano silt loam	Deep, poorly drained, mottled reddish-brown and gray clayey soils with intermittent high water table water tables on upland flats and in drainageways; developed in local alluvium and residuum from red Triassic shale and sandstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; Frequent flooding; Occasional ponding; High water table; Low relief; Low bearing capacity when wet due to high silt content and shrink-swell clay in the subsoil	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.32	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		HYDRIC SOIL	Bearing Capacity:	low			MODERATELY LOW			
81B	Brumbaugh loam	Very deep, moderately well drained, light yellowish-brown to strong brown loamy soils on footslopes and toeslopes of mountains and in broad gently sloping interfluves; semi-rounded stones make up 5 -50% of the soil; developed in old mountain colluvium from mixed acidic and basic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.2	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
81C	Brumbaugh loam	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes and toeslopes of mountains and in broad, strongly sloping interfluves; semi-rounded stones make up 5-50% of the soil; developed in old mountain colluvium from mixed acidic and basic rocks	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.2	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
81D	Brumbaugh loam	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes and toeslopes of mountains and in broad, moderately steep interfluves; semi-rounded stones make up 5-50% of the soil; developed in old mountain colluvium from mixed acidic and basic rocks	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes Intermittent high water table	POOR Steep slopes High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.2	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
82B	Scattersville loam, stony	Very deep, somewhat poorly drained, brownish yellow loamy soils on gently sloping footslopes; soil surface is covered by 0.01 – 0.1% stones; developed in colluvium from felsic to mafic crystalline rock	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR High water table; stoniness; Overland flow - significant destructive potential during flooding events	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			
82C	Scattersville loam, stony	Very deep, somewhat poorly drained, brownish yellow loamy soils on strongly sloping footslopes; soil surface is covered by 0.01 – 0.1% stones; developed in colluvium from felsic to mafic crystalline rock	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR High water table; stoniness; Overland flow - significant destructive potential during flooding events	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			
83C	Braddock gravelly loam; stony	Very deep, well drained reddish- brown clayey soils on footslopes, broad, rolling summits and strongly sloping backslopes; rounded stones make up 0 - 50% of the soil mass; soil surface is covered by 0.01 – 0.1% stones with some cobbles and gravel; developed in old colluvium from mixed acidic and basic rocks	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Stoniness	MARGINAL Slow percolation Stoniness
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
83D	Braddock gravelly loam; stony	Very deep, well drained reddish- brown clayey soils on moderately steep backslopes; rounded stones make up 0 - 50% of the soil mass; soil surface is covered by 0.01 – 0.1% stones with some cobbles and gravel; developed in old colluvium from mixed acidic and basic rocks	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes; Stoniness	MARGINAL Slow percolation Stoniness Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
84C	Braddock gravelly loam; very stony	Very deep, well drained reddish- brown clayey soils on footslopes, broad, rolling summits and strongly sloping backslopes; rounded stones make up 0 - 50% of the soil mass; soil surface is covered by 0.1 – 3% stones with some cobbles and gravel; developed in old colluvium from mixed acidic and basic rocks	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Stoniness; Little soil material available for landscaping or grading	POOR Stoniness Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
87B	Tate loam	Very deep, well drained, dark yellowish-brown loamy soils on footslopes and benches; semi-rounded stones and cobbles make up 5-50% of the soil; developed in recent colluvium from granitic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Some areas are subject to overland flow; Significant destructive potential during storm events if at the base of long steep slopes	MARGINAL Landscape positions
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
87C	Tate loam	Very deep, well drained, dark yellowish brown loamy soils on footslopes and benches; semi-rounded stones and cobbles make up 5-50% of the soil mass; developed in recent colluvium from granitic rocks	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Some areas are subject to overland flow; Significant destructive potential during storm events if at the base of long steep slopes	MARGINAL Landscape positions
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
87D	Tate loam	Very deep, well drained, dark yellowish brown loamy soils on steep footslopes; semi-rounded stones and cobbles make up 5-50% of the soil mass; developed in recent colluvium from granitic rocks	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Some areas are subject to overland flow; Significant destructive potential during storm events if at the base of long steep slopes	MARGINAL Landscape positions
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
88C	Low gravelly silt loam, very stony	Very deep, well drained yellowish-red loamy - skeletal soils in swales, saddles and drainageways; rock fragments average more than 35% in the soil mass; soil surface is covered by 0.05 - 4% stones with some gravels, cobbles and boulders; developed from recent mountain colluvium of greenstone rock material	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Subject to slippage; Unstable when undercut	MARGINAL Slow percolation Lateral groundwater flow
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.17	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
88D	Low gravelly silt loam, very stony	Very deep, well drained yellowish-red loamy - skeletal soils on moderately steep back slopes; rock fragments average more than 35% in the soil mass; soil surface is covered by 0.05 - 4% stones with some gravels, cobbles and boulders; developed from recent mountain colluvium of greenstone rock material	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	VERY POOR Steep slopes; Subject to slippage; Unstable when undercut	MARGINAL Steep slopes Slow percolation Lateral groundwater flow
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.17	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
88E	Low gravelly silt loam, very stony	Very deep, well drained yellowish- red loamy - skeletal soils on steep back slopes; rock fragments average more than 35% in the soil mass; soil surface is covered by 0.05 – 4% stones with some gravels, cobbles and boulders; developed from recent mountain colluvium of greenstone rock material	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Steep slopes; Subject to slippage; Unstable when undercut	NOT SUITED Very steep slopes Slow percolation Lateral groundwater flow
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.17	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
89C	Weverton gravelly loam, very stony	Deep, well drained strong brown loamy-skeletal soils on strongly sloping backslopes and benches; gravels and flagstones range from 15 – 70% of the soil mass; soil surface is covered with 0.1 – 4% flagstones; formed in colluvium from interbedded quartzite, quartz muscovite schist and phyllite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock Stoniness	MARGINAL Shallow to rock Stoniness
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
89D	Weverton gravelly loam, very stony	Deep, well drained strong brown loamy-skeletal soils on moderately steep backslopes; gravels and flagstones range from 15 – 70% of the soil mass; soil surface is covered with 0.1 – 4% flagstones; formed in colluvium from interbedded quartzite, quartz muscovite schist and phyllite	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock Steep slopes Stoniness	MARGINAL Shallow to rock Steep slopes Stoniness
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
89E	Weverton gravelly loam, very stony	Deep, well drained strong brown loamy-skeletal soils on steep backslopes; gravels and flagstones range from 15 – 70% of the soil mass; soil surface is covered with 0.1 – 4% flagstones; formed in colluvium from interbedded quartzite, quartz muscovite schist and phyllite	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Very steep slopes Stoniness	NOT SUITED Shallow to rock Very steep slopes Stoniness
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
93A	Delanco loam	Very deep, moderately well to somewhat poorly drained, yellowish- brown loamy soils with high water tables on nearly level low terraces along major streams; developed in old alluvium washed from uplands underlain by a wide variety of rocks common to the county	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR May be within 100-year floodplain; Rare flooding; intermittent high water table	POOR Flooding potential High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY HIGH			

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
93B	Delanco loam	Very deep, moderately well to somewhat poorly drained, yellowish-brown loamy soils with intermittent high water table water tables on gently sloping low terraces along major streams; developed in old alluvium washed from uplands underlain by a wide variety of rocks common to the county	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR May be within 100-year floodplain; Rare flooding; intermittent high water table	POOR Flooding potential High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY HIGH		
94B	Elsinboro loam	Very deep, well drained, strong brown loamy soils on low terraces along major streams, developed in old alluvium washed from uplands underlain by a wide variety of rocks common to the county	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR May be within the 100-year floodplain; Rare flooding	MARGINAL Infrequent flooding hazard
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
				Bearing Capacity:	Mod.			MODERATELY HIGH		
97B	Goresville loam	Very deep, well drained, dark red clayey soils on gently sloping high river terrace positions; developed in old alluvium washed from uplands underlain by a wide variety of rocks common to the county	Slope (%)	0 - 2	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
				Bearing Capacity:	Mod.			MODERATE		
100	Mines and Quarries	Disturbed areas of mines and quarries	HIGHLY VARIABLE							
110A	Mongle Variant silt loam	Very deep, poorly drained, gray and yellowish brown clayey soils with high water tables in concave landscapes, along small drainageways and on alluvial fans; developed in recent colluvium/alluvium washed from basic and acidic rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; Frequent ponding; Concentrated runoff from higher areas; Prolonged high water tabl; Overland flow-significant destructive potential during flooding events	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.37	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		HYDRIC SOIL	Bearing Capacity:	low			MODERATE			

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
116B	Meadowville silt loam; very stony	Very deep, moderately well to well drained, yellowish-brown to reddish-brown loamy soils with intermittent high water tables in concave uplands and along small drainageways; 0.1 – 3% stones and cobbles cover the soil surface; developed in recent colluvium and local wash from acid rock materials	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; Concentrated runoff from higher areas; Intermittent high water table; Low bearing capacity when wet	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	20 - 60	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATE			
116C	Meadowville silt loam; very stony	Very deep, moderately well to well drained, yellowish-brown to reddish-brown loamy soils with intermittent high water tables in concave uplands and along small drainageways; 0.1 – 3% stones and cobbles cover the soil surface; developed in recent colluvium and local wash from acid rock materials	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; Concentrated runoff from higher areas; Intermittent high water table; Low bearing capacity when wet	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	20 - 60	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			MODERATE			
117B	Middleburg loam; very stony	Very deep, well drained, brown loamy soils in concave swales and along small drainageways ; 0.1 – 3% stones and cobbles cover the soil surface; developed in recent colluvium from mixed basic and acidic rock	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; Concentrated runoff from higher areas; Low bearing capacity when wet	NOT SUITED Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			HIGH			
117C	Middleburg loam; very stony	Very deep, well drained, brown loamy soils in concave swales and along small drainageways; 0.1 – 3% stones and cobbles cover the soil surface; developed in recent colluvium from mixed basic and acidic rock	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Frequent flooding; Concentrated runoff from higher areas; Low bearing capacity when wet	NOT SUITED Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	Mod.			HIGH			

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
121B	Pigeonroost – Edneytown Complex, very stony	<b>PIGEONROOST</b>	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>	FAIR Shallow to rock Stoniness	MARGINAL Shallow to rock
		Moderately deep, well drained, yellowish-brown loamy soils on undulating summits and gently sloping backslopes of the Blue Ridge; rock outcrops cover 0.01-0.1% and loose stones cover 0.1-3% of the surface; developed in residuum from granite and granite gneiss	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Moderate	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
		<b>EDNEYTOWN</b>	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>		
		Very deep, well drained, yellowish-brown loamy soils on undulating summits and gently sloping backslopes of the Blue Ridge; rock outcrops cover 0.01-0.1% and loose stones cover 0.1-3% of the surface; developed in residuum from granite and granite gneiss	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATE		
121C	Pigeonroost – Edneytown Complex, very stony	<b>PIGEONROOST</b>	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>	FAIR Shallow to rock Stoniness	MARGINAL Shallow to rock
		Moderately deep, well drained, yellowish-brown loamy soils on rolling summits and strongly sloping backslopes of the Blue Ridge; rock outcrops cover 0.01 – 0.1% and loose stones cover 0.1 - 3% of the surface; developed in residuum from granite and granite gneiss	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Moderate	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
		<b>EDNEYTOWN</b>	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	<b>AGRICULTURE</b>		
		Very deep, well drained, yellowish-brown loamy soils on rolling summits and strongly sloping backslopes of the Blue Ridge; rock outcrops cover 0.01 – 0.1% and loose stones cover 0.1 - 3% of the surface; developed in residuum from granite and granite gneiss	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
121D	Pigeonroost – Edneytown Complex, very stony	<b>PIGEONROOST</b>  Moderately deep, well drained, yellowish-brown loamy soils on moderately steep backslopes of the Blue Ridge; rock outcrops cover 0.01– 0.1% and loose stones cover 0.1-3% of the surface; developed in residuum from granite and granite gneiss	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Steep slopes Shallow to rock Stoniness	MARGINAL Steep Slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Moderate	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
		<b>EDNEYTOWN</b>  Very deep, well drained, yellowish- brown loamy soils on moderately steep backslopes of the Blue Ridge; rock outcrops cover 0.01– 0.1% and loose stones cover 0.1-3% of the surface; developed in residuum from granite and granite gneiss	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				MODERATE		
121E	Pigeonroost loam, very stony	Moderately deep, well drained, yellowish-brown loamy soils on steep backslopes of the Blue Ridge; rock outcrops cover 0.01– 0.1% and loose stones cover 0.1 - 3% of the surface; developed in residuum from granite and granite gneiss	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock; Very steep slopes	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Moderate	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
125B	Hazel very stony loam; rocky	Moderately deep, excessively well drained light yellowish-brown loamy soils on undulating summits and gently sloping backslopes; loose stones cover 0.1-5% and rock outcrop 0.1 – 3% of the surface; developed in residuum from meta- arkosic sandstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Stoniness Rock outcrops	POOR Shallow to rock Stoniness
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				VERY LOW		
125C	Hazel very stony loam; rocky	Moderately deep, excessively well drained light yellowish-brown loamy soils on rolling summits and strongly sloping backslopes; loose stones cover 0.1-5% and rock outcrop 0.1 – 3% of the surface; developed in residuum from meta-arkosic sandstone	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Stoniness Rock outcrops	POOR Shallow to rock Stoniness
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	<b>FORESTRY (HARDWOOD)</b>		
			Bearing Capacity:	Mod.				VERY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES				K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
125D	Hazel very stony loam; rocky	Moderately deep, excessively well drained light yellowish-brown loamy soils on narrow summits and moderately steep backslopes; loose stones cover 0.1-5% and rock outcrop 0.1 – 2% of the surface; developed in residuum from meta- arkosic sandstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Steep slopes Shallow to rock Stoniness Rock outcrops	POOR Steep slopes Shallow to rock Stoniness
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				VERY LOW		
125E	Hazel very stony loam; rocky	Moderately deep, excessively well drained light yellowish-brown loamy soils on steep backslopes; loose stones cover 0.1-5% and rock outcrop 0.1 – 2% of the surface; developed in residuum from meta- arkosic sandstone	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Very steep slopes Shallow to rock Stoniness Rock outcrops	NOT SUITED Very steep slopes Shallow to rock Stoniness
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				VERY LOW		
130B	Edneytown loam; stony	Very deep, well drained, yellowish- brown loamy soils on undulating summits and gently sloping backslopes; loose stones cover 0.01- 1% of the soil surface; developed in residuum from, augen gneiss, granite gneiss and granite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
130C	Edneytown loam; stony	Very deep, well drained, yellowish- brown loamy soils on rolling summits and strongly sloping backslopes; loose stones cover 0.01-1% of the soil surface; developed in residuum from, augen gneiss, granite gneiss and granite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
131D	Purcellville – Tankerville Complex	PURCELLVILLE	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes Shallow to rock	MARGINAL Steep slopes Shallow to rock
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		Very deep, well drained , strong brown , fine-silty soils on moderately steep backslopes; developed in residuum from granite, granite gneiss and granitic schist	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
			TANKERVILLE	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate		
		Moderately deep, well drained, strong brown, coarse-loamy soils on moderately steep backslopes; developed in residuum from granite, granite gneiss and granitic schist	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
133C	Brinklow variant silt loam		Shallow, well drained, yellowish-red silty soils on strongly sloping sideslopes; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	7 - 15	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock
		Bedrock Depth (in.):		10 - 20	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
		Watertable Depth (in.):		> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
		Shrink-Swell Potential:		low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		Bearing Capacity:		Mod.			Hard Bedrock: Impermeable	LOW		
133D	Brinklow variant silt loam	Shallow, well drained, yellowish-red silty soils on moderately steep sideslopes; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Steep slopes Shallow to rock	NOT SUITED Steep slopes Shallow to rock
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
133E	Brinklow variant silt loam	Shallow, well drained, yellowish-red silty soils on steep sideslopes; developed in residuum from sericite and biotite schist; gneiss and phyllites.	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Steep slopes Shallow to rock	NOT SUITED Steep slopes Shallow to rock
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
134B	Happyland loam	Very deep, well drained, brownish-yellow loamy soils on gently sloping backslopes; developed in residuum from phyllite and meta-monzonite granite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: low	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
134C	Happyland loam	Very deep, well drained, brownish-yellow loamy soils on strongly sloping backslopes; developed in residuum from phyllite and meta-monzonite granite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: low	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
134D	Happyland loam	Very deep, well drained, brownish-yellow loamy soils on moderately steep backslopes; developed in residuum from phyllite and meta-monzonite granite	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: low	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
140B	Pignut silt loam	Moderately deep, well drained, strong brown silty soils on undulating summits and gently sloping backslopes in highly dissected landscapes; developed in residuum from greenstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
140C	Pignut silt loam	Moderately deep, well drained, strong brown silty soils with few rock outcrops, stones and boulders on convex strongly sloping backslopes in highly dissected landscapes; developed in residuum from greenstone	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			K <sub>Sat</sub>			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
140C3	Pignut silty clay loam, severely eroded	Moderately deep, well drained, strong brown silty soils with few rock outcrops, stones and boulders on convex strongly sloping backslopes in highly dissected landscapes; developed in residuum from greenstone	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
140D	Pignut silt loam	Moderately deep, well drained, strong brown silty soils on moderately steep backslopes in highly dissected landscapes; developed in residuum from greenstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes Shallow to rock	POOR Steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
140D3	Pignut silty clay loam, severely eroded	Moderately deep, well drained, strong brown silty soils on moderately steep backslopes in highly dissected landscapes that have been severely eroded; developed in residuum from greenstone	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes Shallow to rock	POOR Steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONSDARY PASTURE		
			Watertable Depth (in.):	> 41	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
140E	Pignut silt loam	Moderately deep, well drained, strong brown silty soils on steep backslopes in highly dissected landscapes; developed in residuum from greenstone	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	FAIR Very steep slopes Shallow to rock	POOR Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
140E3	Pignut silty clay loam, severely eroded	Moderately deep, well drained, strong brown silty soils on steep backslopes in highly dissected landscapes that have been severely eroded; developed in residuum from greenstone	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	NOT SUITED Very steep slopes Shallow to rock	POOR Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			K <sub>Sat</sub>			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
141D	Pignut – Alanthus Complex, very stony	PIGNUT Moderately deep, well drained, strong brown silty soils on moderately steep backslopes; surface cover is represented by .01 – 3% stones and cobbles, and 0 – 0.1% rock outcrop; developed in residuum from greenstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Steep slopes Shallow to rock Stoniness	POOR Steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		ALANTHUS Very deep, well drained, yellowish-red silty soils on moderately steep backslopes; surface cover is represented by .01 – 3% stones and cobbles, and 0 – 0.1% rock outcrop; developed in residuum from greenstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
141E	Pignut silt loam; very stony	Moderately deep, well drained, strong brown silty soils on steep backslopes; surface cover is represented by .01 – 3% stones and cobbles, and 0 – 0.1% rock outcrop; developed in residuum from greenstone	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Very steep slopes Stoniness	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
141F	Pignut silt loam; very stony	Moderately deep, well drained, strong brown silty soils on very steep backslopes; surface cover is represented by .01 – 3% stones and cobbles, and 0 – 0.1% rock outcrop; developed in residuum from greenstone	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock Very steep slopes Stoniness	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			K <sub>Sat</sub>			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
148B	Catoctin (Shallow phase) – Fletcherville Complex	CATOCTIN (Shallow phase)	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; High water table; Shrink-swell clay in subsoil	NOT SUITED Shallow to rock High water table Shrink-swell clay in subsoil
		Shallow, well drained, olive brown loamy skeletal soils on convex/concave sideslopes and summits; developed in residuum from greenstone schist	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
		FLETCHERVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, moderately well drained, light yellowish brown, shrink-swell clay soils on convex/concave sideslopes and summits; developed in residuum from greenstone schist	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH		
148C	Catoctin (Shallow phase) – Fletcherville Complex	CATOCTIN (Shallow phase)	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; High water table; Shrink-swell clay in subsoil	NOT SUITED Shallow to rock High water table Shrink-swell clay in subsoil
		Shallow, well drained, olive brown, loamy skeletal soils on convex/concave sideslopes; developed in residuum from greenstone schist	Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
		FLETCHERVILLE	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, moderately well drained, light yellowish brown, shrink-swell clay soils on convex/concave sideslopes; developed in residuum from greenstone schist	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH		
153B3	Glenelg loam, severely eroded	Very deep, well drained, micaceous, dark brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from micaceous acid crystalline rock. Surface layers and portion of subsoil removed by erosion or during site development.	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD High mica in substratum may interfere with compaction	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
153C3	Glenelg loam, severely eroded	Very deep, well drained, micaceous, dark brown loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from micaceous acid crystalline rock. Surface layers and portion of subsoil removed by erosion or during site development.	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	GOOD High mica in substratum may interfere with compaction	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
153D3	Glenelg loam, severely eroded	Very deep, well drained, micaceous, dark brown loamy soils on moderately steep backslopes in dissected uplands; developed in residuum from micaceous acid crystalline rock. Surface layers and portion of subsoil removed by erosion or during site development.	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes; High mica in substratum may interfere with compaction	MARGINAL Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
153E	Glenelg loam	Very deep, well drained, micaceous, yellowish-red loamy soils on steep backslopes in dissected uplands; developed in residuum from mica schist and mica gneiss	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Very steep slopes; High mica in substratum may interfere with compaction	NOT SUITED Very steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
153E3	Glenelg loam, severely eroded	Very deep, well drained, micaceous, dark brown loamy soils on steep backslopes in dissected uplands; developed in residuum from micaceous acid crystalline rock. Surface layers and portion of subsoil removed by erosion or during site development.	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Very steep slopes; High mica in substratum may interfere with compaction	NOT SUITED Very steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.43	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
160B	Ott silt loam	Moderately deep, well drained, grayish-brown silty soils on gently sloping backslopes; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
163A	Remington silt loam	Deep, moderately well drained, yellowish-brown clay pan soils with intermittent high water tables on broad upland flats and concave areas; developed in old alluvial capping underlain by residuum from thermally-altered Triassic shale and granulate	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR High shrink-swell clay layers in the subsoil; Intermittent high Water table; Low relief	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.43	Substratum: low			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
163B	Remington silt loam	Deep, moderately well drained, yellowish-brown clay pan soils with intermittent high water tables on gently sloping backslopes; developed in old alluvial capping underlain by residuum from thermally-altered Triassic shale and granulate	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR High shrink-swell clay layers in the subsoil; Intermittent high Water table; Low relief	NOT SUITED High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.43	Substratum: low			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
163C	Remington silt loam	Deep, moderately well drained, yellowish-brown clay pan soils with intermittent high water tables on strongly sloping backslopes; developed in old alluvial capping underlain by residuum from thermally-altered Triassic shale and granulate	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR High shrink-swell clay layers in the subsoil; Intermittent high Water table	NOT SUITED High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.43	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.43	Substratum: low			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
164B	Oakhill-Rock Outcrop Complex	Moderately deep, well drained, yellowish-red loamy soils with more than 35% rock fragments in the soil mass and 10 - 25% rock outcrops on gently sloping backslopes; soil surface is covered by 0.01 - 0.2% stones and cobbles; developed in residuum from basalt	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Rock outcrops; Stones and boulders	NOT SUITED Rock outcrops Shallow to rock Stone content
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
164C	Oakhill-Rock Outcrop Complex	Moderately deep, well drained, yellowish-red loamy soils with more than 35% rock fragments in the soil mass and 10 - 25% rock outcrops on strongly sloping backslopes; soil surface is covered by 0.01 - 0.2% stones and cobbles; developed in residuum from basalt	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Rock outcrops Stones and boulders	NOT SUITED Rock outcrops Shallow to rock Stone content
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
164D	Oakhill-Rock Outcrop Complex	Moderately deep, well drained, yellowish-red loamy soils with more than 35% rock fragments in the soil mass and 10 – 25% rock outcrops on moderately steep and steep backslopes; soil surface is covered by 0.01 – 0.2% stones and cobbles; developed in residuum from basalt	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	VERY POOR Steep slopes Rock outcrops Stones and boulders	NOT SUITED Steep slopes Rock outcrops Shallow to rock Stone content
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
167A	Haymarket silt loam	Very deep, well drained, dark brown clayey soils on nearly level summits; developed in residuum from Triassic diabase and basalt	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR High shrink-swell clay in the subsoil	POOR Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.2	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
167B	Haymarket silt loam	Very deep, well drained, dark brown clayey soils on undulating summits and gently sloping backslopes; developed in residuum from Triassic diabase and basalt	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR High shrink-swell clay in the subsoil	POOR Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
167C	Montalto and Haymarket soils	MONTALTO	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR High shrink-swell clay in subsoil	MARGINAL Slow percolation
		Very deep, well drained, red clayey soils on strongly sloping backslopes; developed in residuum from Triassic diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
		HAYMARKET	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, dark brown clayey soils on strongly sloping backslopes; developed in residuum from Triassic diabase and basalt	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.2	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
Bearing Capacity:	low					MODERATE				

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
167C3	Montalto and Haymarket soils; severely eroded	MONTALTO	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR High shrink-swell clay in subsoil	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
		Very deep, well drained, red clayey soils and/or dark brown clayey soils on strongly sloping backslopes; developed in residuum from Triassic diabase and basalt	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
			HAYMARKET	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate		
		Bedrock Depth (in.):		> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
		Very deep, well drained, red clayey soils and/or dark brown clayey soils on strongly sloping backslopes; developed in residuum from Triassic diabase and basalt	Watertable Depth (in.):	> 40	K Factor (subsoil):	0.2	Substratum: Moderate			
			Shrink-Swell Potential:	Very High	Hydrologic Group:	D		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
170A	Mt. Lucas Variant loam	Deep, moderately well drained, strong brown loamy over clayey soils on nearly level summits and footslopes; developed in colluvium over residuum from basalt and diabase	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR Intermittent high water tabl; Shrink-swell clay in lower subsoil	NOT SUITED High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
170B	Mt. Lucas Variant loam	Deep, moderately well drained, strong brown loamy over clayey soils on undulating summits and gently sloping footslopes; developed in colluvium over residuum from basalt and diabase	Slope (%)	2 - 7	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	POOR Intermittent high water tabl; Shrink-swell clay in lower subsoil	NOT SUITED High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
171B	Panorama Variant very gravelly silt loam	Very deep, well drained, dark reddish-brown silty soils on undulating summits and broad, gently sloping backslopes; developed in residuum from red Triassic shale and sandstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Low bearing capacity when wet due to high silt content; Very gravelly surface	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low						

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
171C	Panorama Variant very gravelly silt loam	Very deep, well drained, dark reddish- brown silty soils on rolling summits and strongly sloping backslopes; developed in residuum from red Triassic shale and sandstone	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Low bearing capacity when wet due to high silt content; Very gravelly surface	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
173A	Penn gravelly silt loam; (WET PHASE)	Moderately deep, moderately well drained, reddish-brown silty soils on nearly level summits and upper backslopes; developed in residuum from Triassic siltstone, shale and conglomerate	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table Shallow to rock	POOR High water table Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
173B	Penn gravelly silt loam; (WET PHASE)	Moderately deep, moderately well drained, reddish-brown silty soils on undulating summits and gently sloping backslopes, developed in residuum from Triassic siltstone and shale	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table Shallow to rock	POOR High water table Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
173C	Penn gravelly silt loam; (WET PHASE)	Moderately deep, moderately well drained, reddish-brown silty soils on rolling summits and strongly sloping backslopes, developed in residuum from Triassic siltstone and shale	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table Shallow to rock	POOR High water table Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY LOW		
174B	Ashburn very gravelly silt loam	Moderately deep, moderately well drained, yellowish-brown silty soils with intermittent high water tables on gently sloping landscapes; developed from thin fluvial capping over Triassic siltstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table Shallow to rock	POOR High water table Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
175B	Clover very gravelly silt loam	Very deep, well drained, red to dark red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from Triassic siltstone and conglomerate	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Very gravelly surface	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
176B	Oatlands very gravelly silt loam; (WET PHASE)	Moderately deep, moderately well drained, strong brown to reddish- brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from Triassic siltstone and conglomerate	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Shallow to rock; Very gravelly surfaces	POOR High water table Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
178A	Dulles Variant silt loam	Moderately deep, somewhat poorly drained, yellowish-brown mottled with gray loamy soils with intermittent high water tables in concave landscapes (swales) and drainageways; developed in local alluvium washed from Triassic uplands	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; High water table; Low relief; Low bearing capacity when wet due to high silt content	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				LOW		
178B	Dulles Variant silt loam	Moderately deep, somewhat poorly drained, yellowish-brown mottled with gray loamy soils with intermittent high water table water tables in concave landscapes (swales) and drainageways; developed in local alluvium washed from Triassic uplands	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; High water table; Low relief; Low bearing capacity when wet due to high silt content	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				LOW		
179A	Albano Variant silt loam	Moderately deep, poorly drained, gray loamy soils with high water tables in concave landscapes (swales) and drainageways; developed in local alluvium washed from Triassic uplands	Slope (%)	0 - 2	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR May be within 100-year floodplain; High water table; Low relief; Low bearing capacity when wet due to high silt content and shrink-swell clay in the subsoil	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
		HYDRIC SOIL	Bearing Capacity:	low				LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
181B	Brumbaugh loam; very stony	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes and toeslopes of mountains and in broad gently sloping interfluvies; semi-rounded stones make up 5-50% of the soil surface; 0.1-3% stones cover the soil surface; developed in old mountain colluvium from mixed acidic and basic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table Stoniness	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.2	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
183B	Braddock gravelly loam	Very deep, well drained, reddish- brown clayey soils on footslopes, broad, undulating summits and gently sloping backslopes; rounded stones make up 0 - 50% of the soil mass; developed in old colluvium from mixed acidic and basic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
183C	Braddock gravelly loam	Very deep, well drained reddish- brown clayey soils on footslopes, broad, rolling summits and strongly sloping backslopes; rounded stones make up 0 - 50% of the soil mass; developed in old colluvium from mixed acidic and basic rocks	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
183D	Braddock gravelly loam	Very deep, well drained reddish- brown clayey soils on steep backslopes; rounded stones make up 0 - 50% of the soil mass; developed in old colluvium from mixed acidic and basic rocks	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Slow percolation Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY HIGH		
187B	Tate loam; very stony	Very deep, well drained, dark yellowish-brown soils on gently sloping footslopes and benches; semi- rounded stones and cobbles make up 5-50% of the soil; 0.1-3% stones cover the soil surface; developed in recent colluvium from granitic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Subject to overland flow; significant destructive potential during storm event; stoniness	MARGINAL Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
187C	Tate loam; very stony	Very deep, well drained, dark yellowish-brown soils on strongly sloping footslopes and benches; semi-rounded stones and cobbles make up 5-50% of the soil; 0.1-3% stones cover the soil surface; developed in recent colluvium from granitic rocks	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Subject to overland flow; significant destructive potential during storm event; stoniness	MARGINAL Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
187D	Tate loam; very stony	Very deep, well drained, dark yellowish-brown soils on moderately steep footslopes and backslopes; semi-rounded stones and cobbles make up 5-50% of the soil; 0.1-3% stones cover the soil surface; developed in recent colluvium from granitic rocks	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Subject to overland flow; significant destructive potential during storm event; stoniness; Steep slopes	MARGINAL Landscape position Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
189B	Weverton gravelly loam	Deep, well drained, strong brown loamy-skeletal soils on gently sloping backslopes and benches; gravels and flagstones range from 15 – 70% of the soil mass; formed in colluvium from interbedded quartzite, quartz muscovite schist and phyllite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Shallow to rock
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
189C	Weverton gravelly loam	Deep, well drained strong brown loamy-skeletal soils on strongly sloping backslopes and benches; gravels and flagstones range from 15 – 70% of the soil mass; formed in colluvium from interbedded quartzite, quartz muscovite schist and phyllite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Shallow to rock
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
189D	Weverton gravelly loam	Deep, well drained strong brown loamy-skeletal soils on moderately steep backslopes and benches; gravels and flagstones range from 15 – 70% of the soil mass; formed in colluvium from interbedded quartzite, quartz muscovite schist and phyllite	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Shallow to rock Steep slopes
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.15	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING			
			SOIL FEATURES		$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD		
200	Cut and/or Fill	Disturbed areas of cutting and/ or filling	HIGHLY VARIABLE								
220B	Tankerville loam	Moderately deep, well drained, strong brown coarse-loamy soils on undulating summits and gently sloping backslopes; developed in residuum from granite, schist and gneiss	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock	
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND			
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate				
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW			
220C	Tankerville loam	Moderately deep, well drained, strong brown coarse-loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from granite, schist and gneiss	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock	
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND			
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate				
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW			
220D	Tankerville loam	Moderately deep, well drained, strong brown coarse-loamy soils on moderately steep backslopes; developed in residuum from granite, schist and gneiss	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Steep slopes Shallow to rock	POOR Steep slopes Shallow to rock	
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE			
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate				
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW			
220E	Tankerville loam	Moderately deep, well drained, strong brown coarse-loamy soils on steep backslopes; developed in residuum from granite, schist and gneiss	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes Shallow to rock	NOT SUITED Very steep slopes Shallow to rock	
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE			
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate				
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)			
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW			

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
220F	Tankerville loam	Moderately deep, well drained, strong brown coarse-loamy soils on very steep backslopes; developed in residuum from granite, schist and gneiss	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes; Shallow to rock	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
221D	Pigeonroost – Rock-Outcrop Complex	Moderately deep, well drained, dark yellowish-brown loamy soils on moderately steep backslopes of the Blue Ridge; rock outcrops cover 5 – 15% and loose stones cover 10-40% of the surface; developed in residuum from granite and granite gneiss	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	VERY POOR Steep slopes Rock outcrop	NOT SUITED Steep slopes Rock outcrop
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
221E	Pigeonroost – Rock-Outcrop Complex	Moderately deep, well drained, dark yellowish-brown loamy soils on steep backslopes of the Blue Ridge; rock outcrops cover 5 – 15% and loose stones cover 10-40% of the surface; developed in residuum from granite and granite gneiss	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes Rock outcrop	NOT SUITED Very steep slopes Rock outcrop
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Moderate	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
225D	Hazel-Rock Outcrop Complex	Moderately deep, excessively drained, yellowish-brown loamy soils and 10 – 25% rock outcrops on moderately steep backslopes; loose stones and cobbles cover 1-45% of the surface; developed in residuum from arkosic sandstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	VERY POOR Rock outcrops Steep slopes	NOT SUITED Rock outcrops Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
225E	Hazel-Rock Outcrop Complex	Moderately deep, excessively drained, yellowish-brown loamy soils and 10 – 25% rock outcrops on steep backslopes; loose stones and cobbles cover 1-45% of the surface; developed in residuum from arkosic sandstone	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	NOT SUITED Very steep slopes Rock outcrops	NOT SUITED Rock outcrops Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
228B	Eubanks loam	Very deep, well drained, red loamy soils on undulating summits and gently sloping backslopes; developed in residuum from sheared granite or granodiorite intruded by dikes of greenstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
228C	Eubanks loam	Very deep, well drained, red loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from sheared granite or granodiorite intruded by dikes of greenstone	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
228D	Eubanks loam	Very deep, well drained, red loamy soils on moderately steep backslopes; developed in residuum from sheared granite or granodiorite intruded by dikes of greenstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Slow percolation Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
230B	Edneytown – Chestnut Complex	EDNEYTOWN	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Very deep, well drained, yellowish-brown loamy soil on undulating summits in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		CHESTNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained dark brown coarse-loamy soil on undulating summits in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
Bearing Capacity:	Mod.					MODERATELY LOW				

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
230C	Edneytown – Chestnut Complex	EDNEYTOWN	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Very deep, well drained, yellowish-brown loamy soil on rolling summits and strongly sloping backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		CHESTNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained dark brown coarse-loamy soil on rolling summits and strongly sloping backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
230D	Edneytown – Chestnut Complex	EDNEYTOWN	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes Shallow to rock	MARGINAL Steep slopes Shallow to rock
		Very deep, well drained, yellowish-brown loamy soil on moderately steep backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		CHESTNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, dark brown coarse-loamy soil on moderately steep backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES				K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
230E	Edneytown – Chestnut Complex	EDNEYTOWN	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Very steep slopes Shallow to rock	NOT SUITED Very steep slopes Shallow to rock
		Very deep, well drained, yellowish-brown loamy soil on steep backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss	Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		CHESTNUT	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained dark brown coarse-loamy soil on steep backslopes in dissected landscapes; developed in residuum from coarse-textured granite and granite gneiss	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
238A	Belvoir loam	Very deep, somewhat poorly drained, mottled brownish-yellow fragipan soils with intermittent high water tables on broad, nearly level summits and slight depressions; developed in local colluvium and residuum from granitic rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table Fragipan
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
238B	Belvoir loam	Very deep, somewhat poorly drained, mottled brownish-yellow fragipan soils with intermittent high water tables on broad, undulating summits and slight depressions; developed in local colluvium and residuum from granitic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table Fragipan
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		
238C	Belvoir loam	Very deep, somewhat poorly drained, mottled brownish-yellow fragipan soils with intermittent high water tables on broad, rolling summits and slight depressions; developed in local colluvium and residuum from granitic rocks	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table Fragipan
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
240B	Catoctin silt loam (shallow phase)	Shallow, well drained, olive brown, loamy- skeletal soils on gently sloping backslopes; may have a few cobbles and/or stones on the surface; developed in residuum from greenstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock	NOT SUITED Shallow to rock
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
240C	Catoctin silt loam (shallow phase)	Shallow, well drained, olive brown, loamy- skeletal soils on strongly sloping backslopes; may have a few cobbles and/or stones on the surface; developed in residuum from greenstone	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock	NOT SUITED Shallow to rock
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
240D	Catoctin silt loam (shallow phase)	Shallow, well drained, olive brown, loamy- skeletal soils on moderately steep backslopes; may have a few cobbles and/or stones on the surface; developed in residuum from greenstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Steep slopes; Shallow to rock	NOT SUITED Steep slopes Shallow to rock
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
240E	Catoctin silt loam (shallow phase)	Shallow, well drained, olive brown, loamy- skeletal soils on steep backslopes; may have a few cobbles and/or stones on the surface; developed in residuum from greenstone	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Very steep slopes; Shallow to rock	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
241B	Alanthus-Pignut Complex	ALANTHUS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Very deep, well drained, yellowish-red silty soils on undulating summits; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
		PIGNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on undulating summits; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
241B3	Alanthus - Pignut Complex; severely eroded	ALANTHUS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Very deep, well drained, yellowish-red silty soils on undulating summits that have been severely eroded; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		PIGNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on undulating summits that have been severely eroded; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
241C	Alanthus – Pignut Complex	ALANTHUS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Very deep, well drained, yellowish-red silty soils on rolling summits and strongly sloping backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
		PIGNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on rolling summits and strongly sloping backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
241C3	Alanthus – Pignut Complex; severely eroded	ALANTHUS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Very deep, well drained, yellowish-red silty soils on rolling summits and strongly sloping backslopes that have been severely eroded; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		PIGNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, well drained, strong brown silty soils on rolling summits and strongly sloping backslopes that have been severely eroded; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL	SOIL NAME	SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
241D	Pignut – Alanthus complex	PIGNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; Steep slopes	POOR Shallow to rock Steep slopes
		Moderately deep, well drained, strong brown silty soils on moderately steep backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATE		
		ALANTHUS	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-red silty soils on moderately steep backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
241D3	Pignut – Alanthus Complex; severely eroded	PIGNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; Steep slopes	POOR Shallow to rock Steep slopes
		Moderately deep, well drained, strong brown silty soils on moderately steep backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		ALANTHUS	Slope (%)	15 - 25	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-red silty soils on moderately steep backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
241E	Pignut – Alanthus Complex	PIGNUT	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock; Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
		Moderately deep, well drained, strong brown silty soils on steep backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		ALANTHUS	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-red silty soils on steep backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
241E3	Pignut – Alanthus Complex; severely eroded	PIGNUT	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock; Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
		Moderately deep, well drained, strong brown silty soils on steep backslopes that have been severely eroded; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
		ALANTHUS	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish-red silty soils on steep backslopes that have been severely eroded; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
248B	Fletcher ville variant – Myersville complex	FLETCHERVILLE Variant	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR Intermittent high water table; High shrink-swell clays occur locally	VERY POOR High water table
		Deep, somewhat poorly drained, light yellowish-brown clay soils in saddles and heads of drainageways; developed in residuum from greenstone schist	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.32	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low			Hard Bedrock: Impermeable	MODERATELY HIGH		
		MYERSVILLE	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Deep, well drained, strong brown silty soils in saddles and heads of drainageways; developed in residuum from greenstone schist	Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: Monderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
260E	Catlett gravelly silt loam; rocky	Shallow, well drained, grayish-brown silty soils containing more than 35% rock fragments on steep backslopes with 0.5 to 2 percent rock-outcrop; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock; Very steep slopes; Rock outcrops	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.1	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
265B	Montalto silty clay loam, stony	Very deep, well drained, red clayey soils with few stones and boulders on undulating summits; developed in residuum from Triassic diabase.	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
265C	Montalto silty clay loam, stony	Very deep, well drained, red clayey soils with few stones and boulders on strongly sloping backslopes; developed in residuum from Triassic diabase.	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
265D	Montalto silty clay loam, stony	Very deep, well drained, red clayey soils with few stones and boulders on moderately steep backslopes; developed in residuum from Triassic diabase.	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Slow percolation Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
269A	Meetze very gravelly silt loam	Deep, poorly drained, dark gray loamy-skeletal soils (containing more than 35 percent gravels and cobbles in the subsoil) in drainageways; formed in alluvium from diabase and basalt	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR Frequent flooding; Occasional ponding; Concentrated runoff from higher areas; high water table; low relief; High shrink-swell clays in lower substratum	NOT SUITED High water table Landscape position
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.2	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	0 - 10	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	D	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)		
		HYDRIC SOIL	Bearing Capacity:	low			LOW			
270B	Mt. Lucas loam	Deep, somewhat poorly drained, yellowish-brown loamy over clayey soils on undulating summits and gently sloping footslopes; developed in colluvium over residuum from basalt and diabase	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR High water table; Shrink-swell may occur in lower subsoil	NOT SUITED High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATE			
274A	Ashburn gravelly silt loam	Moderately deep, moderately well drained, yellowish-brown silty soils with intermittent high water table water tables on nearly level landscapes; developed from thin fluvial capping over Triassic siltstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high silt content and/or shrink-swell clay in lower subsoil	POOR Shallow to rock High water table
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
274B	Ashburn gravelly silt loam	Moderately deep, moderately well drained, yellowish-brown silty soils with intermittent high water table water tables gently sloping landscapes; developed from thin fluvial capping over Triassic siltstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high silt content and/or shrink-swell clay in lower subsoil	POOR Shallow to rock High water table
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
275B	Clover gravelly silt loam	Very deep, well drained, red to dark- red clayey soils on undulating summits; developed in residuum from Triassic siltstone and conglomerate	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
276B	Sudley very gravelly silt loam	Very deep, well drained, strong brown to reddish-brown loamy soils on undulating summits and gently sloping backslopes; developed in residuum from Triassic conglomerate	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Very gravelly surface	MARGINAL Slow percolation with depth
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
276C	Sudley very gravelly silt loam	Very deep, well drained, strong brown to reddish-brown loamy soils on strongly sloping backslopes; developed in residuum from Triassic conglomerate	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Very gravelly surface	MARGINAL Slow percolation with depth
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
300	Urban land	This unit consists of areas where more than 80 percent of the surface is covered by parking lots, buildings, and other structures.	HIGHLY VARIABLE							
313A	Sumerduck Variant silt loam	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes, heads of drainageways and benches; developed in local wash and residuum from sericite and biotite schist and gneiss	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR High water table	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
313B	Sumerduck Variant silt loam	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes, heads of drainageways and benches; developed in local wash and residuum from sericite and biotite schist and gneiss	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR High water table	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
313C	Sumerduck Variant silt loam	Very deep, moderately well drained, yellowish-brown loamy soils on footslopes, heads of drainageways and benches; developed in local wash and residuum from sericite and biotite schist and gneiss	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR High water table	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
320B	Tankerville loam, very stony	Moderately deep, well drained, strong brown coarse-loamy soils on undulating summits and gently sloping backslopes; 0.1 – 3% surface stones; developed in residuum from granite, schist and gneiss	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock Stones	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
320C	Tankerville loam, very stony	Moderately deep, well drained, strong brown coarse-loamy soils on rolling summits and strongly sloping backslopes; 0.1 – 3% surface stones; developed in residuum from granite, schist and gneiss	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock Stones	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
320D	Tankerville loam, very stony	Moderately deep, well drained, strong brown coarse-loamy soils on moderately steep backslopes; 0.1 – 3% surface stones; developed in residuum from granite, schist and gneiss	Slope (%)	15 - 25	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; Stones Steep slopes	POOR Steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
320E	Tankerville loam, very stony	Moderately deep, well drained, strong brown coarse-loamy soils on steep backslopes; 0.1 – 3% surface stones; developed in residuum from granite, schist and gneiss	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock Stones Very steep slopes	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
320F	Tankerville loam, very stony	Moderately deep, well drained, strong brown coarse-loamy soils on very steep backslopes; 0.1 – 3% surface stones; developed in residuum from granite, schist and gneiss	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock Stones Very steep slopes	NOT SUITED Very steep slopes Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
325C	Hazel – Edgemont Complex	HAZEL	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	MARGINAL Shallow to rock
		Moderately deep, excessively drained, yellowish-brown coarse- loamy soils on narrow summits and strongly sloping backslopes; developed in residuum from arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		EDGEMONT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on narrow summits and strongly sloping backslopes; developed in residuum from arkosic sandstone and meta- graywacke	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
325D	Hazel – Edgemont Complex	HAZEL	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock Steep slopes	MARGINAL Shallow to rock Steep slopes
		Moderately deep, excessively drained, yellowish-brown coarse- loamy soils on moderately steep backslopes; developed in residuum from arkosic sandstone and meta- graywacke	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		EDGEMONT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on moderately steep backslopes; developed in residuum from arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
325E	Hazel – Edgemont Complex	HAZEL	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
		Moderately deep, excessively drained, yellowish-brown coarse- loamy soils on steep backslopes; developed in residuum from arkosic sandstone and meta-graywacke	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
		EDGEMONT	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE		
		Very deep, well drained, yellowish- brown loamy soils on steep backslopes; developed in residuum from arkosic sandstone and meta- graywacke	Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
330C	Peaks sandy loam; very stony	Moderately deep, excessively well drained, dark brown, loamy skeletal soil on rolling summits and strongly sloping backslopes; contains greater than 35% coarse fragments in the subsoil; developed in residuum from coarse-grained granite; predominantly found on the Cobbler mountain formations	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock Stoniness	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	High				LOW		
330D	Peaks sandy loam; very stony	Moderately deep, excessively well drained, dark brown, loamy skeletal soil on moderately steep backslopes; contains greater than 35% coarse fragments in the subsoil; developed in residuum from coarse-grained granite; predominantly found on the Cobbler Mountain formations	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock Stoniness Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	High				LOW		
330E	Peaks sandy loam; very stony	Moderately deep, excessively well drained, dark brown, loamy skeletal soil on steep backslopes; contains greater than 35% coarse fragments in the subsoil; developed in residuum from coarse-grained granite; predominantly found on the Cobbler Mountain formations	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Stoniness Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	High				LOW		
340B	Catoctin silt loam	Moderately deep, well drained, strong brown loamy-skeletal soils containing more than 35% rock fragments in the subsoil on undulating summits and gently sloping backslopes in highly dissected landscapes; developed in residuum from greenstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
340C	Catoctin silt loam	Moderately deep, well drained, strong brown loamy-skeletal soils containing more than 35% rock fragments in the subsoil on rolling summits and strongly sloping backslopes in highly dissected landscapes; developed in residuum from greenstone	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES				K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
340D	Catoctin silt loam	Moderately deep, well drained, strong brown loamy-skeletal soils containing more than 35% rock fragments in the subsoil on moderately steep backslopes in highly dissected landscapes; developed in residuum from greenstone	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock; Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
340E	Catoctin silt loam	Moderately deep, well drained, strong brown loamy-skeletal soils containing more than 35% rock fragments in the subsoil on steep backslopes in highly dissected landscapes; developed in residuum from greenstone	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
360A	Catlett gravelly silt loam; (Wet Phase)	Shallow, somewhat poorly drained, loamy-skeletal, dark gray soils containing more than 35% rock fragments on nearly level summits and backslopes; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock High water table	NOT SUITED Shallow to rock High water table
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.15	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
360B	Catlett gravelly silt loam; (Wet Phase)	Shallow, somewhat poorly drained, loamy-skeletal, dark gray soils containing more than 35% rock fragments on undulating summits and gently sloping backslopes; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock High water table	NOT SUITED Shallow to rock High water table
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.15	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		
360C	Catlett gravelly silt loam; (Wet Phase)	Shallow, somewhat poorly drained, loamy-skeletal, dark gray soils containing more than 35% rock fragments on strongly sloping backslopes; developed in residuum from purple to bluish-gray thermally altered Triassic shale	Slope (%)	7 - 15	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock High water table	NOT SUITED Shallow to rock High water table
			Bedrock Depth (in.):	10 - 20	K Factor (surface):	0.2	Subsoil: low	PRIME PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.15	Substratum: low			
			Shrink-Swell Potential:	low	Hydrologic Group:	D	Weathered Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
365B	Montalto silty clay loam; extremely stony	Very deep, well drained, red clayey soils with many stones and few boulders on undulating summits of ridges; developed in residuum from Triassic diabase.	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Stoniness	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
365C	Montalto silty clay loam; extremely stony	Very deep, well drained, red clayey soils with many stones and few boulders on strongly sloping backslopes; developed in residuum from Triassic diabase.	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Stoniness	MARGINAL Slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
370B	Mt. Lucas loam, extremely stony	Very deep, somewhat poorly drained, yellowish-brown loamy over clayey soils on gently sloping summits and footslopes; soil surface is covered by 4 - 15% stones; developed in colluvium over residuum from basalt and diabase	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Intermittent high water table; Stoniness; Shrink-swell may occur in lower subsoil	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C	Hard bedrock: Impermeable	FORESTRY (HARDWOOD)		
		May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW			
374A	Ashburn silt loam, wet phase	Moderately deep, somewhat poorly drained, strong brown silty soils with intermittent high water tables on broad, nearly level upland flats; developed from thin fluvial capping over Triassic siltstone, fine grained sandstone and shale	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high silt content and/or shrink-swell clay in subsoil	POOR Shallow to rock High water table
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
374B	Ashburn silt loam, wet phase	Moderately deep, somewhat poorly drained, strong brown silty soils with intermittent high water tables on broad, gently sloping upland flats; developed from thin fluvial capping over Triassic siltstone, fine grained sandstone and shale	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high silt content and/or shrink-swell clay in subsoil	POOR Shallow to rock High water table
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
413B	Lignum Variant silt loam	Very deep, moderately well to somewhat poorly drained, mottled yellowish-brown and gray clayey soils on footslopes, heads of drainageways and gently sloping benches; developed in local wash and residuum from sericite and biotite schist and gneiss	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Intermittent high water table; Low bearing capacity; May have shrink-swell clay in subsoil	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW		
413C	Lignum Variant silt loam	Very deep, moderately well to somewhat poorly drained, mottled yellowish-brown and gray clayey soils on footslopes, heads of drainageways and strongly sloping backslopes; developed in local wash and residuum from sericite and biotite schist and gneiss	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	POOR Intermittent high water table; Low bearing capacity; May have shrink-swell clay in subsoil	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATELY LOW		
415A	Seneca Variant loam	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent high water tables on nearly level colluvial benches and toeslopes; developed in recent colluvium from crystalline uplands	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
415B	Seneca Variant loam	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent high water tables on gently sloping colluvial benches and toeslopes; developed in recent colluvium from crystalline uplands	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
415C	Seneca Variant loam	Very deep, moderately well drained, yellowish-brown loamy soils with intermittent high water tables on strongly sloping colluvial benches and toeslopes; developed in recent colluvium from crystalline uplands	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
416A	Meadowville Variant silt loam	Very deep, well drained, yellowish-brown to reddish-brown loamy soils on nearly level colluvial benches and toeslopes; developed in recent colluvium and local wash from acid rock materials	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	GOOD Intermittent high water table	MARGINAL Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
416B	Meadowville Variant silt loam	Very deep, well drained, yellowish-brown to reddish-brown loamy soils on gently sloping colluvial benches and toeslopes; developed in recent colluvium and local wash from acid rock materials	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD Intermittent high water table	MARGINAL Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
416C	Meadowville Variant silt loam	Very deep, well drained, yellowish-brown to reddish-brown loamy soils on strongly sloping colluvial benches and toeslopes; developed in recent colluvium and local wash from acid rock materials	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD Intermittent high water table	MARGINAL Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
416D	Meadowville Variant silt loam	Very deep, well drained, yellowish-brown to reddish-brown loamy soils on strongly sloping colluvial benches and toeslopes; developed in recent colluvium and local wash from acid rock materials	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Steep slopes	MARGINAL Landscape position Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY HIGH		
417A	Middleburg Variant loam	Very deep, well drained, brown loamy soils on nearly level colluvial benches and toeslopes; developed in recent colluvium from basic crystalline rock materials	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	GOOD Intermittent high water table	MARGINAL Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
417B	Middleburg Variant loam	Very deep, well drained, brown loamy soils on gently sloping colluvial benches and toeslopes; developed in recent colluvium from basic crystalline rock materials	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD Intermittent high water table	MARGINAL Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
417C	Middleburg Variant loam	Very deep, well drained, brown loamy soils on strongly sloping colluvial benches and toeslopes; developed in recent colluvium from basic crystalline rock materials	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD Intermittent high water table	MARGINAL Landscape position
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
417D	Middleburg Variant loam	Very deep, well drained, brown loamy soils on strongly sloping colluvial benches and toeslopes; developed in recent colluvium from basic crystalline rock materials	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	GOOD Intermittent high water table; Steep slopes	MARGINAL Landscape position Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				HIGH		
420E	Tankerville loam, extremely stony	Moderately deep, well drained, strong brown coarse-loamy soils on steep backslopes; 3 - 15% surface stones; developed in residuum from granite, schist and gneiss	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes; Shallow to rock; Stoniness	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		
420F	Tankerville loam, extremely stony	Moderately deep, well drained, strong brown coarse-loamy soils on very steep backslopes; 3- 15% surface stones; developed in residuum from granite, schist and gneiss	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes; Shallow to rock; Stoniness	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable	LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
421B	Philomont sandy loam	Very deep, well drained, yellowish-brown coarse-loamy soils on undulating summits and gently sloping backslopes; developed in residuum from augen gneiss, granite gneiss and granite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
421C	Philomont sandy loam	Very deep, well drained, yellowish-brown coarse-loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from augen gneiss, granite gneiss and granite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	GOOD	GOOD
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
421D	Philomont sandy loam	Very deep, well drained, yellowish-brown coarse-loamy soils on moderately steep backslopes; developed in residuum from augen gneiss, granite gneiss and granite	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Steep slopes	MARGINAL Steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
421E	Philomont sandy loam	Very deep, well drained, yellowish-brown coarse-loamy soils on steep backslopes; developed in residuum from augen gneiss, granite gneiss and granite	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Very steep slopes	POOR Very steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
421F	Philomont sandy loam	Very deep, well drained, yellowish-brown coarse-loamy soils on very steep backslopes; developed in residuum from augen gneiss, granite gneiss and granite	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Very steep slopes	NOT SUITED Very steep slopes
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.17	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES				K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
425C	Hazel fine sandy loam	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils on rolling summits and strongly sloping backslopes; developed in residuum from arkosic sandstone and meta-graywacke	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
425D	Hazel fine sandy loam	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils on moderately steep backslopes; developed in residuum from arkosic sandstone and meta-graywacke	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock; Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
425E	Hazel fine sandy loam	Moderately deep, excessively drained, yellowish-brown coarse-loamy soils on steep backslopes; developed in residuum from arkosic sandstone and meta-graywacke	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.32	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
430B	Chestnut sandy loam	Moderately deep, well drained, dark brown coarse-loamy soil on undulating summits and gently sloping backslopes; developed in residuum from coarse-grained granite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
430C	Chestnut sandy loam	Moderately deep, well drained, dark brown coarse-loamy soil on rolling summits and strongly sloping backslopes; developed in residuum from coarse-grained granite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES				K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
430D	Chestnut sandy loam	Moderately deep, well drained, dark brown coarse-loamy soil on moderately steep backslopes; developed in residuum from coarse-grained granite;	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
430E	Chestnut sandy loam	Moderately deep, well drained, dark brown coarse-loamy soil on steep backslopes; developed in residuum from coarse-grained granite	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
430E3	Chestnut sandy loam; severely eroded	Moderately deep, well drained, dark brown, coarse-loamy soil on steep backslopes; most of the topsoil and subsoil has been eroded off, developed in residuum from coarse-grained granite	Slope (%)	25 - 45	Erosional Hazard Potential:	Very High	Surface: Moderate	AGRICULTURE	VERY POOR Shallow to rock; Very steep slopes	NOT SUITED Shallow to rock Very steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.24	Subsoil: Moderate	NOT SUITED		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.24	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	B	Hard Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				LOW		
434B	Flume loam	Very deep, moderately well drained, yellowish-red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from sericite, biotite schist and meta-monzonite granite	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		
434C	Flume loam	Very deep, moderately well drained, yellowish-red clayey soils on undulating summits and gently sloping backslopes; developed in residuum from sericite, biotite schist and meta-monzonite granite	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATELY LOW		

MAP. UNIT SYMBOL	SOIL NAME	SLOPE	SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
				SOIL FEATURES			K <sub>Sat</sub>		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
438A	Swampoodle Variant loam		Very deep, somewhat poorly drained, brownish- yellow loamy soils with high water tables on broad nearly level summits and slight depressions; may have shrink-swell clay in subsoil; developed in local colluvium and residuum from granitic rocks	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	VERY POOR High water table; Possible shrink-swell clays	NOT SUITED High water table
				Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE		
				Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: Moderate			
				Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
				May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATE		
438B	Swampoodle Variant loam		Very deep, somewhat poorly drained, brownish- yellow loamy soils with high water tables on broad undulating summits and slight depressions; may have shrink-swell clay in subsoil; developed in local colluvium and residuum from granitic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR High water table; Possible shrink-swell clays	NOT SUITED High water table
				Bedrock Depth (in.):	> 60	K Factor (surface):	0.32	Subsoil: low	PRIME PASTURE		
				Watertable Depth (in.):	10 -20	K Factor (subsoil):	0.28	Substratum: Moderate			
				Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
				May have Hydric Soil inclusions	Bearing Capacity:	low			MODERATE		
440B	Alanthus - Pignut silt loam; (Wet phase)		ALANTHUS	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock High water table	POOR Shallow to rock High water table
			Very deep, moderately well drained, yellowish-red silty soils on undulating summits; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME CROPLAND		
				Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.23	Substratum: Moderate			
				Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
				Bearing Capacity:	Mod.				MODERATE		
			PIGNUT	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
			Moderately deep, moderately well to somewhat poorly drained, strong brown to yellowish red silty soils on undulating summits and gently sloping backslopes in highly dissected landscapes; developed in residuum from greenstone to chloritic schist	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
				Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
				Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
				Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE	SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
		SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
440C	Alanthus - Pignut silt loam; (Wet phase)	ALANTHUS	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock High water table	POOR Shallow to rock High water table
		Very deep, moderately well drained, yellowish-red silty soils on rolling summits and strongly sloping backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.23	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		PIGNUT	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE		
		Moderately deep, moderately well to somewhat poorly drained, strong brown to yellowish red silty soils on rolling summits and strongly sloping backslopes in highly dissected landscapes; developed in residuum from greenstone to chloritic schist	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
440D	Alanthus - Pignut Complex; (Wet phase)	ALANTHUS	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	POOR Shallow to rock; High water table; Steep slopes	POOR Shallow to rock High water table Steep slopes
		Very deep, moderately well drained, yellowish-red silty soils on moderately steep backslopes; soil surface may contain a few cobbles and/or stones; developed in residuum from greenstone	Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.32	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		
		PIGNUT	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE		
		Moderately deep, moderately well to somewhat poorly drained, strong brown to yellowish red silty soils on moderately steep backslopes in highly dissected landscapes; developed in residuum from greenstone and chloritic schist	Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.27	Subsoil: Moderate	PRIME PASTURE		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.22	Substratum: Moderate			
			Shrink-Swell Potential:	Mod.	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	Mod.				MODERATE		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
474A	Calverton silt loam	Deep, somewhat poorly drained, yellowish brown over reddish brown silty soils with seasonal perched water tables on broad, nearly level upland flats. Developed from old fluvial capping over triassic siltstone, and fine-grained sandstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high silt content	NOT SUITED Shallow restrictive layer High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
474B	Calverton silt loam	Deep, somewhat poorly drained, yellowish brown over reddish brown silty soils with seasonal perched water tables on gently sloping shoulders and heads of drainageways. Developed from old fluvial capping over triassic siltstone, and fine-grained sandstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high silt content	NOT SUITED Shallow restrictive layer High water table
			Bedrock Depth (in.):	40 - 60	K Factor (surface):	0.37	Subsoil: Moderate	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Hard Bedrock: Impermeable	FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
475A	Tinpot loam	Very deep, moderately well to somewhat poorly drained, yellowish-red, dense clayey soils on nearly level summits; developed in residuum from Triassic conglomerate, shale and fine-grained sandstone	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	AGRICULTURE	FAIR High water table	POOR High water table Very slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
475B	Tinpot loam	Very deep, moderately well to somewhat poorly drained yellowish-red dense clayey soils on undulating summits; developed in residuum from Triassic conglomerate, shale and fine-grained sandstone	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR High water table	POOR High water table Very slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		
475C	Tinpot loam	Very deep, moderately well to somewhat poorly drained, yellowish-red, dense clayey soils on strongly sloping backslopes; developed in residuum from Triassic conglomerate, shale and fine-grained sandstone	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR High water table	POOR High water table Very slow percolation
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	10 - 40	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics					LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING	
			SOIL FEATURES			$K_{Sat}$			CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD
480B	Brentsville loam Variant	Moderately deep, well drained, brown sandy soils on undulating summits and gently sloping backslopes, developed in residuum from Triassic sandstone and/or meta- shale	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	High			Hard Bedrock: Impermeable	MODERATELY LOW		
480C	Brentsville loam Variant	Moderately deep, well drained, brown sandy soils on strongly sloping backslopes, developed in residuum from Triassic sandstone and/or meta- shale	Slope (%)	7 - 15	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock	POOR Shallow to rock
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	High			Hard Bedrock: Impermeable	MODERATELY LOW		
480D	Brentsville loam Variant	Moderately deep, well drained, brown sandy soils on moderately steep backslopes, developed in residuum from Triassic sandstone and/or meta-shale	Slope (%)	15 - 25	Erosional Hazard Potential:	High	Surface: Moderate	AGRICULTURE	FAIR Shallow to rock; Steep slopes	POOR Shallow to rock Steep slopes
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate	SECONDARY CROPLAND		
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.15	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low	FORESTRY (HARDWOOD)		
			Bearing Capacity:	High			Hard Bedrock: Impermeable	MODERATELY LOW		
481B	Brumbaugh Variant loam	Very deep, moderately well drained, light yellowish-brown to strong brown clayey soils on footslopes and toeslopes of mountains and broad gently sloping interfluves; semi- rounded stones make up 5-50% of the soil; developed in old mountain colluvium from mixed acidic and basic rocks	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	FAIR Intermittent high water table; Low bearing capacity when wet due to high shrink-swell clays	POOR High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: low	SECONDARY CROPLAND		
			Watertable Depth (in.):	20 - 40	K Factor (subsoil):	0.2	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	B		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATE		
482B	Scattersville Variant loam	Very deep, somewhat poorly drained, brownish yellow and gray clayey soils on gently sloping footslopes; developed in colluvium from felsic to mafic rock	Slope (%)	2 - 7	Erosional Hazard Potential:	Mod.	Surface: Moderate	AGRICULTURE	VERY POOR High water table; Low bearing when wet	NOT SUITED High water table
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.37	Subsoil: low	SECONDARY PASTURE		
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: low			
			Shrink-Swell Potential:	High	Hydrologic Group:	C		FORESTRY (HARDWOOD)		
			Bearing Capacity:	low				MODERATELY LOW		

MAP. UNIT SYMBOL SOIL NAME SLOPE		SOIL DESCRIPTION	General Characteristics				LAND POTENTIALS	DEVELOPMENT POTENTIAL AND PROBLEMS USING		
			SOIL FEATURES			$K_{Sat}$		CENTRAL WATER AND CENTRAL SEWER	CONVENTIONAL SEPTIC TANK AND DRAINFIELD	
493A	Delanco variant loam	Very deep, somewhat poorly drained, yellowish-brown clayey soils with high water tables on nearly level, low terraces along major streams; developed in old alluvium washed from uplands underlain by a wide variety of rocks common to the county  May have Hydric Soil inclusions	Slope (%)	0 - 2	Erosional Hazard Potential:	Slight	Surface: Moderate	VERY POOR May be with in 100 year floodplain; Rare flooding; High water table; Low bearing capacity when wet due to shrink-swell clays	NOT SUITED High water table Flooding potential	
			Bedrock Depth (in.):	> 60	K Factor (surface):	0.28	Subsoil: Moderate			SECONDARY PASTURE
			Watertable Depth (in.):	10 - 20	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	High	Hydrologic Group:	C				FORESTRY (HARDWOOD)
			Bearing Capacity:	low						MODERATELY LOW
520F	Tankerville loam, rubbly	Moderately deep, well drained, strong brown coarse-loamy soils on very steep backslopes; 15% or more surface stones; developed in residuum from granite, schist and gneiss	Slope (%)	45 - 65	Erosional Hazard Potential:	Very High	Surface: Moderate	NOT SUITED Very steep slopes Shallow to rock	NOT SUITED Very steep slopes Shallow to rock	
			Bedrock Depth (in.):	20 - 40	K Factor (surface):	0.28	Subsoil: Moderate			NOT SUITED
			Watertable Depth (in.):	> 40	K Factor (subsoil):	0.28	Substratum: Moderate			
			Shrink-Swell Potential:	low	Hydrologic Group:	C	Weathered Bedrock: low			FORESTRY (HARDWOOD)
			Bearing Capacity:	Mod.			Hard Bedrock: Impermeable			LOW