Table 11.-Building Site Development, Part I

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table)

Map symbol and soil name	Pct.	Dwellings witho basements	ut	Dwellings with basements		Small commercia buildings	1
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AmC: Apison	 50 	 Somewhat limited Slope	 0.04 	Somewhat limited Depth to soft bedrock Slope	0.54	 Very limited Slope	1.00
Montevallo	 25 	Somewhat limited Depth to soft bedrock Slope	 0.50 0.04	 Very limited Depth to soft bedrock Slope	 1.00 0.04	 Very limited Depth to soft bedrock Slope	1.00
AmD: Apison	 72 	 Very limited Slope 	 1.00 	 Very limited Slope Depth to soft bedrock	 1.00 0.54	 Very limited Slope 	1.00
Montevallo	 20 	 Very limited Slope Depth to soft bedrock	 1.00 0.50	 Very limited Depth to soft bedrock Slope	 1.00 1.00	 Very limited Slope Depth to soft bedrock	1.00
AmE: Apison	 55 	 Very limited Slope 	 1.00 	 Very limited Slope Depth to soft bedrock	 1.00 0.54	 Very limited Slope 	1.00
Montevallo	 35 	 Very limited Slope Depth to soft bedrock	 1.00 0.50	 Very limited Slope Depth to soft bedrock	 1.00 1.00	 Slope Depth to soft bedrock	1.00
AmF: Apison	 58 	 Very limited Slope 	 1.00 	 Very limited Slope Depth to soft bedrock	 1.00 0.54	 Very limited Slope 	1.00
Montevallo	 25 	 Very limited Slope Depth to soft bedrock	 1.00 0.50	 Very limited Slope Depth to soft bedrock	 1.00 1.00	 Very limited Slope Depth to soft bedrock	1.00
Bd: Bloomingdale, drained	 55 	 Very limited Flooding Depth to saturated zone Shrink-swell	 1.00 1.00 0.50	 Very limited Flooding Depth to saturated zone Shrink-swell	 1.00 1.00 0.50	 Very limited Flooding Depth to saturated zone Shrink-swell	 1.00 1.00 0.50

Table 11.—Building Site Development, Part I—Continued

Map symbol and soil name	Pct.	Dwellings witho	ut	Dwellings with basements		 Small commercia buildings	1
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CtB: Townley	35	 Somewhat limited Shrink-swell	0.50	 Somewhat limited Depth to soft bedrock Shrink-swell	 0.64 0.50	 Somewhat limited Shrink-swell	0.50
CtC: Corryton	 73 	 Somewhat limited Shrink-swell Slope	0.50	 Somewhat limited Shrink-swell Slope	 0.50 0.04	 Very limited Slope Shrink-swell	1.00
Townley	 22 	 Somewhat limited Shrink-swell Slope	0.50		 0.64 0.50 0.04	 Very limited Slope Shrink-swell	1.00
CzC: Corryton	 50 	 Somewhat limited Shrink-swell	0.50	 Somewhat limited Shrink-swell	 0.50	 Somewhat limited Slope Shrink-swell	0.88
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated		 Not rated		 Not rated	
CzD: Corryton	 50 	 Very limited Slope Shrink-swell	1.00	 Very limited Slope Shrink-swell	 1.00 0.50	 Very limited Slope Shrink-swell	1.00
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated		 Not rated		 Not rated	
DeB: Dewey	 90 	 Somewhat limited Shrink-swell	0.50	 Somewhat limited Shrink-swell	0.50	 Somewhat limited Shrink-swell	0.50
DeC2: Dewey	 68 	 Somewhat limited Shrink-swell Slope	0.50	 Somewhat limited Shrink-swell Slope	 0.50 0.04	 Very limited Slope Shrink-swell	1.00
DeD2: Dewey	 88 	 Very limited Slope Shrink-swell	1.00	 Very limited Slope Shrink-swell	 1.00 0.50	 Very limited Slope Shrink-swell	1.00
DeE2: Dewey	 85 	 Very limited Slope Shrink-swell	 1.00 0.50	 Very limited Slope Shrink-swell	 1.00 0.50	 Very limited Slope Shrink-swell	1.00
DgE3: Dewey	 45 	 Very limited Slope Shrink-swell	1.00	 Very limited Slope Shrink-swell	 1.00 0.50	 Very limited Slope Shrink-swell	1.00

Table 11.—Building Site Development, Part I—Continued

Map symbol and soil name	Pct.	Dwellings witho	ut	Dwellings with basements		 Small commercia buildings	1
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FvC: Fullerton	 53 	 Somewhat limited Shrink-swell Slope	 0.50 0.04	 Somewhat limited Shrink-swell Slope	 0.50 0.04	 Very limited Slope Shrink-swell	1.00
Minvale	 38 	 Somewhat limited Slope	0.04	 Somewhat limited Slope	0.04	 Very limited Slope	1.00
FzC: Fullerton	 50 	 Somewhat limited Shrink-swell	 0.50	 Somewhat limited Shrink-swell	 0.50	 Somewhat limited Slope Shrink-swell	0.88
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated		 Not rated		 Not rated	
FzD: Fullerton	 50 	 Very limited Slope Shrink-swell	 1.00 0.50	 Very limited Slope Shrink-swell	 1.00 0.50	 Very limited Slope Shrink-swell	1.00
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated		 Not rated		 Not rated	
He: Heiskell	 75 	 Very limited Flooding	 1.00 	 Very limited Flooding Depth to saturated zone	 1.00 0.99	 Very limited Flooding	1.00
HeB: Heiskell	 70 	 Not limited 		 Very limited Depth to saturated zone	 0.99 	 Not limited 	
LoC: Loyston	 70 	Very limited Depth to hard bedrock Shrink-swell Depth to soft bedrock Slope	 1.00 0.50 0.50 0.04	Very limited Depth to hard bedrock Depth to soft bedrock Shrink-swell Slope	 1.00 1.00 0.50 0.04	Very limited Depth to hard bedrock Depth to soft bedrock Slope Shrink-swell	1.00
Rock outcrop	30	 Not rated		 Not rated		 Not rated	
LoE: Loyston	 70 	 Very limited Slope Depth to hard bedrock Shrink-swell Depth to soft bedrock	 1.00 1.00 0.50 0.50	Very limited Slope Depth to hard bedrock Depth to soft bedrock Shrink-swell	 1.00 1.00 1.00 0.50	Very limited Slope Depth to hard bedrock Depth to soft bedrock Shrink-swell	 1.00 1.00 1.00 0.50

Table 11.-Building Site Development, Part II

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table)

Map symbol and soil name	Pct.	Local roads an	.d	 Shallow excavati 	ons	 Lawns and landsca 	ping
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AmC: Apison	 50 	 Somewhat limited Low strength Slope	0.50	 Very limited Cutbanks cave Depth to soft bedrock Slope	1.00	 Somewhat limited Depth to bedrock Slope	0.50
Montevallo	 30 	Somewhat limited Depth to soft bedrock Slope	1.00	 Very limited Depth to soft bedrock Cutbanks cave Slope	1.00 1.00 1.00 0.96	 Very limited Depth to bedrock Droughty Gravel content Slope	 1.00 1.00 1.00 0.96
AmD: Apison	 80 	 Very limited Slope Low strength	1.00	Very limited Cutbanks cave Slope Depth to soft bedrock	 1.00 1.00 1.00	 Very limited Slope Depth to bedrock	 1.00 1.00
Montevallo	 20 	 Very limited Depth to soft bedrock Slope	1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	 1.00 1.00 1.00	Very limited Depth to bedrock Droughty Slope Gravel content	 1.00 1.00 1.00 0.96
AmE: Apison	 58 	 Very limited Slope Low strength	 1.00 1.00	 Very limited Slope Cutbanks cave Depth to soft bedrock	 1.00 1.00 1.00	 Very limited Slope Depth to bedrock	 1.00 1.00
Montevallo	 35 	 Slope Depth to soft bedrock	 1.00 1.00 	 Very limited Depth to soft bedrock Slope Cutbanks cave	 1.00 1.00 1.00	 Very limited Depth to bedrock Slope Droughty Gravel content	 1.00 1.00 1.00 0.96
AmF: Apison	 60 	 Very limited Slope Low strength	1.00	Very limited Slope Cutbanks cave Depth to soft bedrock	 1.00 1.00 1.00	 Very limited Slope Depth to bedrock	 1.00 1.00
Montevallo	 20 	Very limited Slope Depth to soft bedrock	 1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave	 1.00 1.00 1.00	Very limited Depth to bedrock Slope Droughty Gravel content	 1.00 1.00 1.00 0.96

Table 11.—Building Site Development, Part II—Continued

Map symbol and soil name	Pct.	Local roads an	d	 Shallow excavati 	ons.	Lawns and landsca	ping
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CkD: Talbott	 38 	Very limited Low strength Slope Shrink-swell Depth to hard bedrock	 1.00 1.00 0.50 0.29	Very limited Depth to hard bedrock Slope Too clayey Cutbanks cave	 1.00 1.00 1.00 0.50 0.10	 Very limited Slope Depth to bedrock Droughty	 1.00 0.29 0.01
CoB: Corryton	 85 	 Very limited Low strength Shrink-swell	1.00	 Somewhat limited Cutbanks cave Too clayey	0.10	 Not limited 	
CoC: Corryton	 85 	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.04	Somewhat limited Cutbanks cave Too clayey Slope	0.10	 Somewhat limited Slope 	0.04
CoD: Corryton	 85 	 Very limited Low strength Slope Shrink-swell	1.00 1.00 0.50	 Very limited Slope Cutbanks cave Too clayey	1.00 0.10 0.04	 Very limited Slope 	1.00
CtB: Corryton	 60 	 Very limited Low strength Shrink-swell	1.00	 Somewhat limited Cutbanks cave Too clayey	0.10	 Not limited 	
Townley	 35 	Very limited Low strength Shrink-swell	1.00	Somewhat limited Depth to soft bedrock Too clayey Cutbanks cave	0.64	 Somewhat limited Depth to bedrock 	0.65
CtC: Corryton	 73 	 Very limited Low strength Shrink-swell Slope	1.00 0.50 0.04	 Somewhat limited Cutbanks cave Too clayey Slope	0.10	 Somewhat limited Slope 	0.04
Townley	 22 	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.04	Somewhat limited Depth to soft bedrock Too clayey Cutbanks cave Slope	0.64 0.50 0.10 0.04	Somewhat limited Depth to bedrock Slope	0.65
CzC: Corryton	 50 	 Very limited Low strength Shrink-swell	1.00	 Somewhat limited Cutbanks cave Too clayey	0.10	 Not limited 	
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated 		 Not rated 		 Not rated 	

Table 11.—Building Site Development, Part II—Continued

Map symbol and soil name	Pct.	Local roads an	d	 Shallow excavati 	ons	Lawns and landsca	ping
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FuD2: Fullerton	 90 	 Very limited Slope Shrink-swell Low strength	 1.00 0.50 0.10	 Very limited Cutbanks cave Slope Too clayey	 1.00 1.00 0.50	 Very limited Slope Gravel content Large stones content	 1.00 0.24 0.08
FuE2: Fullerton	 90 	Very limited Slope Shrink-swell Low strength	1.00 0.50 0.10	Very limited Slope Cutbanks cave Too clayey	 1.00 1.00 0.50	Very limited Slope Gravel content Large stones content	 1.00 0.24 0.08
FvC: Fullerton	 53 	 Somewhat limited Shrink-swell Low strength Slope	 0.50 0.10 0.04	 Very limited Cutbanks cave Too clayey Slope	 1.00 0.50 0.04	Somewhat limited Gravel content Large stones content Slope	0.26
Minvale	38	 Somewhat limited Slope	0.04	 Very limited Cutbanks cave Slope	1.00	 Somewhat limited Slope	0.04
FzC: Fullerton	 50 	 Somewhat limited Shrink-swell Low strength	0.50	 Very limited Cutbanks cave Too clayey	 1.00 0.50	Somewhat limited Gravel content Large stones content	0.26
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated 		 Not rated 		 Not rated 	
FzD: Fullerton	 50 	Very limited Slope Shrink-swell Low strength	 1.00 0.50 0.10	 Very limited Cutbanks cave Slope Too clayey	 1.00 1.00 0.50	Very limited Slope Gravel content Large stones content	 1.00 0.26 0.05
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated 		 Not rated 		 Not rated 	
He: Heiskell	 75 	 Very limited Flooding	1.00	 Very limited Depth to saturated zone Flooding Cutbanks cave	 0.99 0.60 0.10	 Somewhat limited Flooding	0.60
HeB: Heiskell	 70 	Not limited		 Very limited Depth to saturated zone Cutbanks cave	 0.99 0.10	Not limited	

Table 12.-Sanitary Facilities, Part I

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table)

Map symbol and soil name	Pct.	Septic tank absorption fiel	ds*	Sewage lagoons	\$
and boll name	map	Rating class and	Value	Rating class and	Value
	unit	!		limiting features	1
AmC:	 				
Apison	50	Very limited		Very limited	
	 	Depth to bedrock Slow water	1.00 0.46	Depth to soft bedrock	1.00
	i	movement		Slope	1.00
		Slope	0.04	Seepage	0.53
Montevallo	25	 Very limited		 Very limited	
		Depth to bedrock		Depth to soft	1.00
		Slope	0.04	bedrock	
		İ		Slope	1.00
	 	 		Seepage 	0.53
AmD: Apison	 72	 Very limited		 Very limited	
11925011	, , _	Depth to bedrock	1.00	Depth to soft	1.00
	j	Slope	1.00	bedrock	į
		Slow water	0.46	Slope	1.00
	 	movement		Seepage 	0.53
Montevallo	20	Very limited		Very limited	İ
		Depth to bedrock		Depth to soft	1.00
		Slope	1.00	bedrock	
	 	 		Slope Seepage	1.00 0.53
AmE:	 				
Apison	55	 Very limited		 Very limited	İ
	ļ	Depth to bedrock		Depth to soft	1.00
		Slope	1.00	bedrock	
		Slow water movement	0.46	Slope Seepage	1.00
				Beepage	
Montevallo	35	Very limited		Very limited	
		Depth to bedrock Slope	1.00	Depth to soft bedrock	1.00
		probe	1.00	Slope	1.00
		 		Seepage	0.53
Am E .	į		į		İ
AmF: Apison	 58	 Very limited		 Very limited	
_	į	Depth to bedrock	1.00	Depth to soft	1.00
		Slope	1.00	bedrock	ļ
		Slow water	0.46	Slope	1.00
		movement		Seepage	0.53
Montevallo	25	Very limited		Very limited	
		Depth to bedrock	1.00	Depth to soft	1.00
		Slope	1.00	bedrock Slope	1.00
				Seepage	0.53
	İ	İ	İ	į	İ

See footnote at end of table.

Table 12.—Sanitary Facilities, Part I—Continued

Map symbol and soil name	Pct.	Septic tank absorption fiel	ds*	Sewage lagoons		
	map unit	!	Value	Rating class and limiting features	Value	
CoB:	 85 	 Very limited Slow water movement	 1.00	 Somewhat limited Seepage Slope	0.53	
CoC: Corryton	 85 	 Very limited Slow water movement Slope	1.00	 Very limited Slope Seepage	1.00	
CoD: Corryton	 85 	 Very limited Slow water movement Slope	1.00	 Very limited Slope Seepage	1.00	
CtB: Corryton	 60 	 Very limited Slow water movement	1.00	 Somewhat limited Seepage Slope	0.53	
Townley	 35 	 Very limited Slow water movement Depth to bedrock	 1.00 1.00	 Very limited Depth to soft bedrock Slope	1.00	
CtC: Corryton	 73 	 Very limited Slow water movement Slope	 1.00 0.04	 Very limited Slope Seepage	1.00	
Townley	 22 		 1.00 1.00 0.04	 Very limited Depth to soft bedrock Slope	1.00	
CzC: Corryton	 50 	 Very limited Slow water movement	 1.00	 Very limited Slope Seepage	1.00	
Udorthents	25	 Not rated		 Not rated		
Urban land	20	 Not rated 		 Not rated 		
CzD: Corryton	 50 	 Very limited Slow water movement Slope	1.00	 Very limited Slope Seepage	1.00	
Udorthents	25	 Not rated 		 Not rated 		
Urban land	20	 Not rated 		 Not rated 		
DeB: Dewey	 90 	 Somewhat limited Slow water movement	 0.46	 Somewhat limited Seepage Slope	0.53	

See footnote at end of table.

Table 12.—Sanitary Facilities, Part I—Continued

Map symbol and soil name	Pct. of	Septic tank absorption field	ds*	Sewage lagoons		
	map unit	Rating class and	Value	Rating class and limiting features	Value	
FzD: Udorthents	 25	 Not rated		 Not rated		
Urban land	20	 Not rated 		 Not rated 		
He: Heiskell	 75 	Very limited Flooding Depth to saturated zone Slow water movement	 1.00 1.00 1.00	 Very limited Flooding Depth to saturated zone Seepage	1.00	
HeB: Heiskell	 70 	Very limited Depth to saturated zone Slow water movement	 1.00 1.00	Very limited Depth to saturated zone Seepage Slope	1.00 0.53 0.32	
LoC: Loyston	 70 	 Very limited Depth to bedrock Slope 	 1.00 0.04	 Very limited Depth to hard bedrock Depth to soft bedrock Slope	1.00	
Rock outcrop	30	 Not rated		 Not rated		
LoE: Loyston	 70 	 Very limited Depth to bedrock Slope 	 1.00 1.00	 Very limited Depth to hard bedrock Depth to soft bedrock Slope	1.00	
LrF: Loyston	 35 	 Very limited Depth to bedrock Slope Large stones content	 1.00 1.00 0.01	Very limited Depth to hard bedrock Depth to soft bedrock Slope	 1.00 1.00 	
Nonaburg	 28 	 Very limited Depth to bedrock Slope	 1.00 1.00	 Very limited Depth to soft bedrock Slope	 1.00 1.00	
Rock outcrop	15	 Not rated		 Not rated		
LtC: Loyston	 33 	 Very limited Depth to bedrock Slope	 1.00 0.01 	Very limited Depth to hard bedrock Depth to soft bedrock Slope	1.00	

See footnote at end of table.

Table 12.-Sanitary Facilities, Part II

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table)

Map symbol and soil name	Pct.	Trench sanitar	У	Area sanitary		Daily cover fo	r
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AmC: Apison	 50 	 Very limited Depth to bedrock Slope	 1.00 0.04	 Very limited Depth to bedrock Slope	 1.00 0.04	 Very limited Depth to bedrock Slope	1.00
Montevallo	 25 	 Very limited Depth to bedrock Slope	 1.00 0.04	 Very limited Depth to bedrock Slope	 1.00 0.04	Very limited Depth to bedrock Gravel content Slope	 1.00 0.72 0.04
AmD: Apison	 72 	 Very limited Depth to bedrock Slope	 1.00 1.00	 Very limited Depth to bedrock Slope	 1.00 1.00	 Very limited Depth to bedrock Slope	1.00
Montevallo	 20 	 Very limited Depth to bedrock Slope	 1.00 1.00	 Very limited Depth to bedrock Slope 	 1.00 1.00	Very limited Depth to bedrock Slope Gravel content	 1.00 1.00 0.72
AmE: Apison	 55 	 Very limited Slope Depth to bedrock	 1.00 1.00	 Very limited Slope Depth to bedrock	 1.00 1.00	 Very limited Depth to bedrock Slope	1.00
Montevallo	 35 	 Very limited Slope Depth to bedrock	 1.00 1.00	 Very limited Slope Depth to bedrock	 1.00 1.00	 Very limited Depth to bedrock Slope Gravel content	 1.00 1.00 0.72
AmF: Apison	 58 	 Very limited Slope Depth to bedrock	 1.00 1.00	 Very limited Slope Depth to bedrock	 1.00 1.00	 Very limited Depth to bedrock Slope	1.00
Montevallo	 25 	 Very limited Slope Depth to bedrock	 1.00 1.00	Very limited Slope Depth to bedrock	 1.00 1.00	Very limited Depth to bedrock Slope Gravel content	 1.00 1.00 0.72
Bd: Bloomingdale, drained	 55 	 Very limited Flooding Depth to saturated zone Too clayey	 1.00 1.00 1.00	 Very limited Flooding Depth to saturated zone	 1.00 1.00	 Very limited Depth to saturated zone Too clayey	1.00
Bloomingdale, undrained	 30 	Very limited Depth to saturated zone Too clayey Ponding	 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding	 1.00 1.00	Very limited Depth to saturated zone Too clayey Ponding	 1.00 1.00 1.00

Table 12.—Sanitary Facilities, Part II—Continued

Map symbol and soil name	Pct.	Trench sanitar	У	Area sanitary landfill		Daily cover fo	r
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CtB: Townley	 35 	 Very limited Depth to bedrock Too clayey	 1.00 1.00	 Very limited Depth to bedrock	1.00	 Very limited Depth to bedrock Too clayey Hard to compact	 1.00 1.00 1.00
CtC: Corryton	 73 	 Very limited Too clayey Slope	 1.00 0.04	 Somewhat limited Slope	0.04	 Very limited Too clayey Hard to compact Slope	 1.00 1.00 0.04
Townley	 22 	Very limited Depth to bedrock Too clayey Slope	 1.00 1.00 0.04	 Very limited Depth to bedrock Slope	 1.00 0.04	Very limited Depth to bedrock Too clayey Hard to compact Slope	 1.00 1.00 1.00 0.04
CzC: Corryton	 50 	 Very limited Too clayey	 1.00	 Not limited 	 	 Very limited Too clayey Hard to compact	1.00
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated		 Not rated		 Not rated	
CzD: Corryton	 50 	Very limited Too clayey Slope	 1.00 1.00	 Very limited Slope 	 1.00 	 Very limited Too clayey Hard to compact Slope	 1.00 1.00 1.00
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated		 Not rated		 Not rated	
DeB: Dewey	 90 	 Somewhat limited Too clayey	 0.50	 Not limited 	 	 Somewhat limited Too clayey	0.50
DeC2: Dewey	 68 	Somewhat limited Too clayey Slope	 0.50 0.04	 Somewhat limited Slope	 0.04	Somewhat limited Too clayey Slope	 0.50 0.04
DeD2: Dewey	 88 	 Very limited Slope Too clayey	 1.00 0.50	 Very limited Slope	 1.00	 Very limited Slope Too clayey	 1.00 0.50
DeE2: Dewey	 85 	 Very limited Slope Too clayey	 1.00 0.50	 Very limited Slope 	1.00	 Very limited Slope Too clayey	 1.00 0.50

Table 12.—Sanitary Facilities, Part II—Continued

Map symbol and soil name	Pct.	Trench sanitar	Y	Area sanitary		Daily cover fo	or
	map unit	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
FuC2: Fullerton	 90 	 Somewhat limited Too clayey Slope	0.50	 Somewhat limited Slope 	0.04	 Somewhat limited Too clayey Hard to compact Gravel content Slope	0.50 0.50 0.24 0.04
FuD2, FuE2: Fullerton	 90 	 Very limited Slope Too clayey	1.00	 Very limited Slope	 1.00 	Very limited Slope Too clayey Hard to compact Gravel content	 1.00 0.50 0.50 0.24
FvC: Fullerton	 53 	 Somewhat limited Too clayey Slope 	0.50	 Somewhat limited Slope 	0.04	 Somewhat limited Too clayey Hard to compact Gravel content Slope	 0.50 0.50 0.25 0.04
Minvale	38	 Somewhat limited Too clayey Slope	0.50	 Somewhat limited Slope 	0.04		 0.50 0.19 0.04
FzC: Fullerton	50	 Somewhat limited Too clayey 	0.50	 Not limited 		 Somewhat limited Too clayey Hard to compact Gravel content	0.50 0.50 0.25
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated 		 Not rated 		 Not rated 	
FzD: Fullerton	 50 	 Very limited Slope Too clayey	1.00	 Very limited Slope 	 1.00 	Very limited Slope Too clayey Hard to compact Gravel content	 1.00 0.50 0.50 0.25
Udorthents	25	 Not rated		 Not rated		 Not rated	
Urban land	20	 Not rated 		 Not rated 		 Not rated 	
He: Heiskell	 75 	 Very limited Flooding Depth to saturated zone Too clayey	1.00	 Very limited Flooding Depth to saturated zone	 1.00 1.00 	 Somewhat limited Too clayey Depth to saturated zone	0.50
HeB: Heiskell	 70 	 Very limited Depth to saturated zone Too clayey	1.00	 Very limited Depth to saturated zone	 1.00 	 Somewhat limited Too clayey Depth to saturated zone	0.50

Table 16.-Physical and Chemical Properties of the Soils

Absence of an entry indicates that data were (Entries under "Erosion factors--T" apply to the entire profile.

								Erosion	n factors	ors	
Map symbol and soil name	Depth	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Kw	Kf	H	Soil reaction
	티	Pct	a/ac	In/hr	In/in	Pat	Pct				
AmC, AmD, AmE, AmF: Apison	0-10 10-29 29-33	7-27	1.30-1.45	0.6-2	0.15-0.20	0.0-2.9	1.0-3.0	.37	.37	т	4.5-5.5 4.5-5.5
Montevallo	0-3 3-19 19-23	12-27	1.25-1.45	0.6-2	0.09-0.18	0.0-2.9	0.5-2.0		. 32	7	4.5-6.0
Bd: Bloomingdale, drained	0 - 4 4 - 60	20-35	1.10-1.30	0.6-2	0.17-0.22	0.0-2.9	1.0-3.0	.37	.37	ω	5.6-8.4 5.6-8.4
Bloomingdale, undrained	0 - 4	20-35	1.10-1.30	0.6-2	0.17-0.22	0.0-2.9	1.0-3.0	.37	.37	ω 	5.6-8.4
Bh: Bloomingdale	0 - 4	20-35	1.10-1.30	0.6-2	0.17-0.22	0.0-2.9	1.0-3.0	.37	.37	<u>ν</u>	5.6-8.4
Hamblen	0-6	15-25	1.30-1.45	0.6-2	0.18-0.20	0.0-2.9	1.0-3.0	.32	.32	īΩ	5.1-7.3
CcC, CcD, CcE: Coghill	0-2 2-6 6-34 34-60	12-27 30-60 20-60	1.20-1.40 1.25-1.50	0 . 6 . 2 . 6	0.10-0.16 0.09-0.15 0.09-0.15	0.0 3.0 3.0 5.9	0.5-2.0 0.1-1.0	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rv	4.5-6.0 4.5-6.0 4.5-6.0
Corryton	0-6 6-13 13-61	8-27 27-40 35-60	1.30-1.50 1.35-1.55 1.35-1.55	0.6-2 0.6-2 0.2-0.6	0.15-0.24 0.16-0.24 0.12-0.22	0.0-2.9 0.0-2.9 3.0-5.9	0.5-2.0 0.5-1.0 0.0-0.5	. 32	3 3 2 3	rv	4.5-6.0 4.5-6.0 4.5-6.0
CeB3, CeC3, CeD3: Collegedale	0-7	27-45	1.40-1.60	0.2-0.6	0.14-0.20	3.0-5.9	1.0-2.0	. 28	22. 4. 4. 4.	ιν .	4.5-5.5 4.5-5.5

Table 16.-Physical and Chemical Properties of the Soils-Continued

								Erosion	n factors	S T C	
Map symbol and soil name	Depth	Clay	Moist	Permea- bility	Available water	Linear extensi-	Organic matter	K W	1 54	E E	Soil reaction
	티	Pat	ab/g	In/hr	In/in	Pat	Pct				
CgB: Collegedale	0-7	27-45	1.40-1.60	0.2-0.6	0.14-0.20	3.0-5.9	1.0-2.0	28	. 2 8 4 4	ro	4.5-5.5 4.5-5.5
Loyston	0-3 3-10 10-15 15-39	27-60	1.20-1.40	0.6-2	0.15-0.20	3.0-5.9	1.0-4.0		1 1 8 4	н	6.1-7.8
Rock outcrop.											
CkC, CkD: Collegedale	0-7	27-45	1.40-1.60	0.2-0.6	0.14-0.20	3.0-5.9	1.0-2.0	2. 2. 8 4.	. 2 8 4 4	Ŋ	4.5-5.5 4.5-5.5
Talbott	0-3 3-32 32-39	27-40	1.35-1.55	0.6-2	0.10-0.16	3.0-5.9	0.5-1.0		. 32	0	5.1-6.0
CoB, CoC, CoD:	0-6 6-13 13-61	8-27 27-40 35-60	1.30-1.50 1.35-1.55 1.35-1.55	0.6-2 0.6-2 0.2-0.6	0.15-0.24 0.16-0.24 0.12-0.22	0.0-2.9 0.0-2.9 3.0-5.9	0.5-2.0 0.5-1.0 0.0-0.5	. 32	3 2 2 2	ю	4.5-6.0 4.5-6.0 4.5-6.0
CtB, CtC: Corryton	0-6 6-13 13-61	8-27 27-40 35-60	1.30-1.50 1.35-1.55 1.35-1.55	0.6-2 0.6-2 0.2-0.6	0.15-0.24 0.16-0.24 0.12-0.22	0.0-2.9 0.0-2.9 3.0-5.9	0.5-2.0 0.5-1.0 0.0-0.5	. 32	3 3 2 3	ы	4.5-6.0 4.5-6.0 4.5-6.0
Townley	0-4 4-28 28-50	12-27	1.30-1.60	0.6-2	0.12-0.14	0.0-2.9	0.5-2.0	. 37	.37	м	3.6-5.5
CzC, CzD: Corryton	0-6 6-13 13-61	8-27 27-40 35-60	1.30-1.50 1.35-1.55 1.35-1.55	0.6-2 0.6-2 0.2-0.6	0.15-0.24 0.16-0.24 0.12-0.22	0.0-2.9 0.0-2.9 3.0-5.9	0.5-2.0 0.5-1.0 0.0-0.5	. 32	32 2 3	ы	4.5-6.0 4.5-6.0 4.5-6.0
Udorthents.											
Urban land.											
Dewey	0 - 5 0 - 9 - 66	17-27 27-40 35-50	1.35-1.50 1.35-1.55 1.45-1.55	0.6-2 0.6-2 0.6-2	0.18-0.20 0.16-0.24 0.12-0.18	0.0-2.9 0.0-2.9 3.0-5.9	1.0-3.0 0.5-1.0 0.0-0.5	28	E. E. S. S. S. S. S. S. S. S. S. S. S. S. S.	ιΩ	44

Table 16.-Physical and Chemical Properties of the Soils-Continued

								Erosion	- 1 - 1	factors	
Map symbol and soil name	Depth	Clay	Moist bulk density	Permea- bility (Ksat)	Available water capacity	Linear extensi- bility	Organic matter	Kw	KÉ	H	Soil
	[타	Pct	g/cc	In/hr	In/in	Pat	Pat				
EvB: Etowah	0-10	15-27 25-50	1.30-1.45	0.6-2	0.15-0.20	0.0-2.9	0.5-3.0	. 32	. 32	Ŋ	4.5-6.0
Minvale	6-0	20-35	1.40-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5	7 7 8 8	.32	22	4.5-5.5
FuC2, FuD2, FuE2: Fullerton	0-20	18-35	1.45-1.55	0.6-2	0.10-0.15	0.0-2.9	0.0-0.5	. 24	2. 2. 8. 4.	ιΩ	4.5-5.5 4.5-5.5
FvC: Fullerton	0-20	15-27	1.45-1.55	0.6-2	0.10-0.16	0.0-2.9	0.5-2.0	20	2 3 8 8	Ŋ	4.5-5.5 4.5-5.5
Minvale	6-0	20-35	1.40-1.55	0.6-2	0.12-0.18	0.0-2.9	0.0-0.5		.32	Ŋ	4.5-5.5
FzC, FzD: Fullerton	0-20	15-27	1.45-1.55	0.6-2	0.10-0.16	0.0-2.9	0.5-2.0	200	2 3 8 8	ro	4.5-5.5
Udorthents.											
Urban land.											
не, нев: неіskell	0-18 18-46 46-67	7-27 27-40 12-60	1.30-1.45 1.30-1.45 1.30-1.50	0.6-2 0.2-0.6 0.2-0.6	0.18-0.20 0.17-0.20 0.17-0.22	0.0-2.9 0.0-2.9 3.0-5.9	1.0-3.0 0.1-1.0 0.1-1.0	.32	.32	īV	5.1-7.3 5.1-7.3 5.6-8.4
Loyston	0-3 3-10 10-15 15-39	27-60	1.20-1.40	0.6-2	0.15-0.20	3.0-5	1.0-4.0	. 37		н	6.1-7.8
Rock outcrop.											
Logston	0-3 3-10 10-15 15-39	27-60	1.35-1.60	0.6-2	0.15-0.20	3.0-5.9	1.0-4.0		2 3 3 1 1 8 3 4	н	6.1-7.8
	_	_	_		_		_	-			_

commonly indicates a feature that affects use or management. For example, Bloomingdale silt loam, 0 to 2 percent slopes, occasionally flooded, is a phase of the Bloomingdale series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes. A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Coghill-Corryton complex, 12 to 25 percent slopes, is an example.

This survey includes *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Urban land is an example.

Table 4 gives the acreage and proportionate extent of each map unit. Other tables give properties of the soils and the limitations, capabilities, and potentials for many uses. The Glossary defines many of the terms used in describing the soils or miscellaneous areas.

AmC—Apison-Montevallo complex, 5 to 12 percent slopes

Setting

Landscape position: Ridgetops and shoulders

Major use: Most areas are in woodland consisting mainly of mixed hardwoods

Composition

Apison soil and similar components: 50 to 75 percent Montevallo soil and similar components: 15 to 25 percent

Minor components: 0 to 35 percent

Minor Components

Contrasting: Coghill and Corryton soils Similar: Nonaburg and Townley soils

Typical Profile

Apison

Surface layer:

0 to 4 inches—partially decomposed hardwood litter 4 to 7 inches—dark grayish brown gravelly silt loam

Subsurface layer:

7 to 10 inches—yellowish brown gravelly loam

Subsoil:

10 to 21 inches—yellowish brown gravelly loam

21 to 29 inches—dark yellowish brown very gravelly loam

Substratum:

29 inches—weathered shale bedrock

Montevallo

Surface layer:

0 to 1 inch—mat of hardwood leaves and twigs 1 to 3 inches—brown channery silt loam

Subsoil:

3 to 14 inches—brownish yellow very channery silt loam

Substratum:

14 to 19 inches—brownish yellow extremely channery silt loam

19 inches—tilted, moderately soft shale that has yellowish brown silt loam between fractures

Soil Properties and Qualities

Drainage class: Well drained Permeability: Moderate

Available water capacity: Apison—low; Montevallo—very low

Depth to seasonal high water table: More than 6 feet

Flooding: None

Soil reaction: Apison—very strongly acid or strongly acid; Montevallo—very strongly

acid to moderately acid

Depth to bedrock: Apison—20 to 40 inches; Montevallo—7 to 20 inches

Shrink-swell potential: Low

Use and Management

Cropland

Suitability: Poorly suited

Management measures and considerations:

- The hazard of erosion is moderate when cultivated crops are grown.
- Conservation tillage, crop residue management, contour farming, and the use of cover crops help to control erosion, increase infiltration rates, and maintain soil tilth.
- Regular crop rotation is necessary in most sloping areas.

Pasture and hay

Suitability: Moderately suited

Management measures and considerations:

- The main limitation affecting pasture and hay is the limited available water capacity.
- Good pasture management helps to control erosion and maintain productivity. Good management includes liming and fertilizing according to soil test recommendations, controlling weeds, and avoiding overgrazing.

Urban development

Suitability: Poorly suited

Management measures and considerations:

 The main limitation affecting urban uses is the limited depth to bedrock, especially in areas of the Montevallo soil. Because of the severity of the limitation, there can be considerable expense in designing and installing structures or facilities that function properly.

Interpretive Group

Land capability classification: 4e

AmD—Apison-Montevallo complex, 12 to 25 percent slopes

Setting

Landscape position: Ridgetops, shoulders, and lower side slopes Major use: Most areas are in woodland consisting mainly of mixed hardwoods

Composition

Apison soil and similar components: 70 to 85 percent Montevallo soil and similar components: 15 to 25 percent

Minor components: 0 to 15 percent

Minor Components

Contrasting: Coghill and Corryton soils Similar: Nonaburg and Townley soils

Typical Profile

Apison

Surface layer:

0 to 4 inches—partially decomposed hardwood litter 4 to 7 inches—dark grayish brown gravelly silt loam

Subsurface layer:

7 to 10 inches—yellowish brown gravelly loam

Subsoil:

10 to 21 inches—yellowish brown gravelly loam

21 to 29 inches—dark yellowish brown very gravelly loam

Substratum:

29 inches—weathered shale bedrock

Montevallo

Surface layer:

0 to 1 inch—mat of hardwood leaves and twigs 1 to 3 inches—brown channery silt loam

Subsoil:

3 to 14 inches—brownish yellow very channery silt loam

Substratum:

14 to 19 inches—brownish yellow extremely channery silt loam

19 inches—tilted, moderately soft shale that has yellowish brown silt loam between fractures

Soil Properties and Qualities

Drainage class: Well drained Permeability: Moderate

Available water capacity: Apison—low; Montevallo—very low

Depth to seasonal high water table: More than 6 feet

Flooding: None

Soil reaction: Apison—very strongly acid or strongly acid; Montevallo—very strongly

acid to moderately acid

Depth to bedrock: Apison—20 to 40 inches; Montevallo—7 to 20 inches

Shrink-swell potential: Low

Use and Management

Cropland

Suitability: Poorly suited

Management measures and considerations:

The hazard of erosion is severe when cultivated crops are grown.

• Conservation tillage, crop residue management, contour farming, and the use of cover crops help to control erosion, increase infiltration rates, and maintain soil tilth.

Pasture and hay

Suitability: Poorly suited

Management measures and considerations:

- The slope and the limited available water capacity restrict the use of these soils for hav.
- Good pasture management is essential in controlling erosion and maintaining productivity. Good management includes liming and fertilizing according to soil test recommendations, controlling weeds, and avoiding overgrazing.

Urban development

Suitability: Poorly suited

Management measures and considerations:

 The limitations affecting most urban uses are the slope and the limited depth to bedrock, especially in areas of the Montevallo soil. Because of the severity of the limitations, there can be considerable expense in designing and installing structures or facilities that function properly.

Interpretive Group

Land capability classification: 6e

AmE—Apison-Montevallo complex, 25 to 35 percent slopes, rocky

Setting

Landscape position: Shoulders, side slopes, and backslopes

Major use: Most areas are in woodland consisting mainly of mixed hardwoods

Composition

Apison soil and similar components: 50 to 70 percent Montevallo soil and similar components: 20 to 50 percent

Minor components: 0 to 28 percent

Minor Components

Contrasting: Coghill and Corryton soils and areas of rock outcrop Similar: Nonaburg and Townley soils

Typical Profile

Apison

Surface layer:

0 to 4 inches—partially decomposed hardwood litter 4 to 7 inches—dark grayish brown gravelly silt loam

Subsurface laver:

7 to 10 inches—yellowish brown gravelly loam

Subsoil:

10 to 21 inches—yellowish brown gravelly loam

21 to 29 inches—dark yellowish brown very gravelly loam

Substratum:

29 inches—weathered shale bedrock

Montevallo

Surface layer:

0 to 1 inch—mat of hardwood leaves and twigs

1 to 3 inches—brown channery silt loam

Subsoil:

3 to 14 inches—brownish yellow very channery silt loam

Substratum

14 to 19 inches—brownish yellow extremely channery silt loam

19 inches—tilted, moderately soft shale that has yellowish brown silt loam between fractures

Soil Properties and Qualities

Drainage class: Well drained Permeability: Moderate

Available water capacity: Apison—low; Montevallo—very low

Depth to seasonal high water table: More than 6 feet

Flooding: None

Soil reaction: Apison—very strongly acid or strongly acid; Montevallo—very strongly

acid to moderately acid

Depth to bedrock: Apison—20 to 40 inches; Montevallo—7 to 20 inches

Shrink-swell potential: Low

Use and Management

Cropland

Suitability: Unsuited

Management measures and considerations:

 Because of the severe hazard of erosion and the equipment use limitation caused by the slope, crop production is impractical.

Pasture and hay

Suitability for pasture: Poorly suited

Suitability for hay: Unsuited

Management measures and considerations:

 Because of the moisture deficiency due to the limited depth to bedrock and the equipment use limitation on steep slopes, establishing and maintaining hayland or pasture is difficult.

Urban development

Suitability: Poorly suited

Management measures and considerations:

 The limitations affecting most urban uses are the slope and the limited depth to bedrock, especially in areas of the Montevallo soil. Because of the severity of the limitations, there can be considerable expense in designing and installing structures or facilities that function properly.

Interpretive Group

Land capability classification: 7s

AmF—Apison-Montevallo complex, 35 to 75 percent slopes, rocky

Setting

Landscape position: Shoulders, side slopes, and backslopes

Major use: Most areas are in woodland consisting mainly of mixed hardwoods

Composition

Apison soil and similar components: 50 to 70 percent Montevallo soil and similar components: 20 to 30 percent

Minor components: 10 to 28 percent

Minor Components

Contrasting: Coghill and Corryton soils and areas of rock outcrop

Similar: Nonaburg and Townley soils

Typical Profile

Apison

Surface layer:

0 to 4 inches—partially decomposed hardwood litter 4 to 7 inches—dark grayish brown gravelly silt loam

Subsurface layer:

7 to 10 inches—yellowish brown gravelly loam

Subsoil:

10 to 21 inches—yellowish brown gravelly loam

21 to 29 inches—dark yellowish brown very gravelly loam

Substratum:

29 inches—weathered shale bedrock

Montevallo

Surface layer:

0 to 1 inch—mat of hardwood leaves and twigs

1 to 3 inches—brown channery silt loam

Subsoil:

3 to 14 inches—brownish yellow very channery silt loam

Substratum:

14 to 19 inches—brownish yellow extremely channery silt loam

19 inches—tilted, moderately soft shale that has yellowish brown silt loam between fractures

Soil Properties and Qualities

Drainage class: Well drained Permeability: Moderate

Available water capacity: Apison—low; Montevallo—very low

Depth to seasonal high water table: More than 6 feet

Flooding: None

Soil reaction: Apison—very strongly acid or strongly acid; Montevallo—very strongly

acid to moderately acid

Depth to bedrock: Apison—20 to 40 inches; Montevallo—7 to 20 inches

Shrink-swell potential: Low

Use and Management

Cropland

Suitability: Unsuited

Management measures and considerations:

 Because of the severe hazard of erosion and the equipment use limitation caused by the slope, crop production is impractical.

Pasture and hay

Suitability for pasture: Poorly suited

Suitability for hay: Unsuited

Management measures and considerations:

Because of the moisture deficiency due to the limited depth to bedrock and the
equipment use limitation on very steep or extremely steep slopes, establishing and
maintaining hayland or pasture is difficult.

Urban development

Suitability: Poorly suited

Management measures and considerations:

 The limitations affecting most urban uses are the slope and the limited depth to bedrock, especially in areas of the Montevallo soil. Because of the severity of the limitations, there can be considerable expense in designing and installing structures or facilities that function properly.

Interpretive Group

Land capability classification: 7s

Bd—Bloomingdale silt loam, 0 to 2 percent slopes, occasionally flooded

Setting

Landscape position: Flood plains Major use: Pasture or idle land

Note: In its natural state, many areas of this soil pond water for significant periods during the year and support hydrophytic vegetation. Many areas have been artificially drained by subsurface tile and/or ditches. Where not drained, or where artificial drainage has not been maintained, many areas have reverted to a ponded condition. It was not practical to separate ponded and non-ponded areas during mapping.

Composition

Bloomingdale soil and similar components: 85 to 95 percent

Minor components: 5 to 15 percent

Minor Components

Contrasting: Hamblen and Steadman soils Similar: Somewhat poorly drained soils

Typical Profile

Surface layer:

0 to 4 inches—dark grayish brown silt loam

Subsoil:

18 to 27 inches—yellowish brown silty clay loam

27 to 46 inches—yellowish brown and gray silty clay loam

Substratum:

46 to 67 inches—gray and light yellowish brown silt loam

Soil Properties and Qualities

Drainage class: Moderately well drained

Permeability: Moderately slow Available water capacity: High

Depth to seasonal high water table: 2 to 3 feet

Flooding: Occasional

Soil reaction: Moderately acid to slightly alkaline

Depth to bedrock: More than 60 inches

Shrink-swell potential: Low

Use and Management

Cropland

Suitability: Moderately suited

Management measures and considerations:

- Wetness delays planting or hinders harvesting operations in some years, especially where the soil is susceptible to ponding.
- Crop species that require a short growing season and can tolerate wetness are best suited to this soil.

Pasture and hay

Suitability: Moderately suited

Management measures and considerations:

- Wetness hinders early hay cutting operations in some years, especially where the soil is susceptible to ponding.
- Permitting grazing when the soil is saturated can cause compaction of the soil surface, which can result in slower infiltration rates and loss of the stand.
- Proper stocking rates, pasture rotation, deferred grazing, and a well planned clipping and harvesting schedule are important management practices.

Urban development

Suitability: Poorly suited

Management measures and considerations:

• The flooding and wetness are limitations that are difficult to overcome.

Interpretive Group

Land capability classification: 2w

HeB—Heiskell silt loam, 2 to 5 percent slopes

Setting

Landscape position: Upland drainageways

Major use: Most areas are cleared and used as pasture or hay

Composition

Heiskell soil and similar components: 60 to 80 percent

Minor components: 20 to 40 percent

Minor Components

Contrasting: Bloomingdale, Emory, and Rockdell soils

Similar: Hamblen and Steadman soils

Typical Profile

Surface layer:

0 to 12 inches—brown and dark yellowish brown silt loam

Subsurface layer:

12 to 18 inches—yellowish brown silt loam

Subsoil:

18 to 27 inches—yellowish brown silty clay loam

27 to 46 inches—yellowish brown and gray silty clay loam

Substratum:

46 to 67 inches—gray and light yellowish brown silt loam

Soil Properties and Qualities

Drainage class: Moderately well drained

Permeability: Moderately slow Available water capacity: High

Depth to seasonal high water table: 2 to 3 feet

Flooding: None

Soil reaction: Moderately acid to slightly alkaline

Depth to bedrock: More than 60 inches

Shrink-swell potential: Low

Use and Management

Cropland

Suitability: Moderately suited

Management measures and considerations:

- Wetness in the root zone is the major limitation affecting crop production, especially the production of deep-rooted crops.
- The use of terraces, grassed waterways, field borders, and filter strips in the appropriate places can help to prevent the sediment in runoff water from entering streams and bodies of water.

Pasture and hay

Suitability: Well suited

Management measures and considerations:

This soil has few limitations affecting pasture and hay.

Urban development

Suitability: Poorly suited

Management measures and considerations:

 The main limitations affecting urban uses are the wetness and the moderately slow permeability in the lower part of the subsoil in some areas. Because of the severity of the limitations, there is considerable expense in the design and construction of structures or facilities that function properly.

Interpretive Group

Land capability classification: 2w

Management measures and considerations:

• The low available water capacity caused by the limited depth to bedrock of the Townley soil is a concern when establishing and maintaining hay and pasture.

Urban development

Suitability: Moderately suited

Management measures and considerations:

 The limitations affecting most urban uses are the moderately slow permeability, the moderate shrink-swell potential in the subsoil, and the limited depth to bedrock of the Townley soil. These limitations can sometimes be minimized with careful design and construction.

Interpretive Group

Land capability classification: 3e

CtC—Corryton-Townley complex, 5 to 12 percent slopes

Setting

Landscape position: Ridgetops and shoulders

Major use: Most areas are cleared and used for hay, pasture, or cropland

Composition

Corryton soil and similar components: 60 to 90 percent Townley soil and similar components: 15 to 30 percent

Minor components: 10 to 25 percent

Minor Components

Contrasting: Heiskell and Nonaburg soils

Similar: Coghill and Dewey soils

Typical Profile

Corryton

Surface layer:

0 to 6 inches—yellowish brown loam

Subsurface layer:

6 to 13 inches—yellowish brown clay loam

Subsoil:

13 to 33 inches—yellowish brown and strong brown clay

33 to 43 inches—strong brown silty clay

43 to 61 inches—mottled strong brown, red, brownish yellow, and light gray clay

Townley

Surface layer:

0 to 4 inches—brown silt loam

Subsoil:

4 to 17 inches—brown and yellowish red clay 17 to 28 inches—yellowish red channery clay

Substratum:

28 to 33 inches—yellowish red extremely channery clay

33 inches—shale bedrock

Soil Properties and Qualities

Drainage class: Well drained Permeability: Moderately slow

Available water capacity: Corryton—high; Townley—low Depth to seasonal high water table: More than 6 feet

Flooding: None

Soil reaction: Corryton—very strongly acid to moderately acid (except in limed areas);

Townley—extremely acid to strongly acid

Depth to bedrock: Corryton—more than 60 inches; Townley—20 to 40 inches

Shrink-swell potential: Moderate

Use and Management

Cropland

Suitability: Well suited

Management measures and considerations:

- The hazard of erosion is moderate when cultivated crops are grown.
- Conservation tillage, crop residue management, contour farming, and the use of cover crops help to control erosion, increase infiltration rates, and maintain soil tilth.
- The use of terraces, grassed waterways, field borders, and filter strips in the appropriate places can help to prevent the sediment in runoff water from entering streams and bodies of water.

Pasture and hay

Suitability: Well suited

Management measures and considerations:

• The low available water capacity caused by the limited depth to bedrock of the Townley soil is a concern when establishing and maintaining hay and pasture.

Urban development

Suitability: Moderately suited

Management measures and considerations:

- The limitations affecting most urban uses are the moderately slow permeability, the
 moderate shrink-swell potential in the subsoil, and the limited depth to bedrock of the
 Townley soil. These limitations can sometimes be minimized with careful design and
 construction.
- The slope is an additional limitation that can often be overcome by adequate design of structures and facilities.

Interpretive Group

Land capability classification: 4e

CzC—Corryton-Udorthents-Urban land complex, 2 to 12 percent slopes

Setting

Landscape position: Upland ridges

Major use: Residential and commercial development

Composition

Corryton soil and similar components: 50 to 70 percent Udorthents and similar components: 15 to 20 percent