

TABLE C-1
Types and Selected Physical Characteristics of Soil found at Fort Belvoir

Map Unit Name	Slope	Taxonomy	Drainage Class ¹	Flooding	Permeability ²	Erosion Factor ³
Appling gritty loam	2-7%	Typic Hapludults	WD	No	MR surface, M subsoil and substratum	4
Appling gritty loam	7-15%	Typic Hapludults	WD	No	MR surface, M subsoil and substratum	4
Appling gritty loam	15-25%	Typic Hapludults	WD	No	MR surface, M subsoil and substratum	4
Beltsville silt loam	0-7%	Typic Fragiudults	MWD	No	S-VS above and below fragipan, VS within fragipan, M-MR in substratum	3
Beltsville loam	2-7%	Typic Fragiudults	MWD	No	S-VS above and below fragipan, VS within fragipan, M-MR in substratum	3
Beltsville silt loam	7-15%	Typic Fragiudults	MWD	No	S-VS above and below fragipan, VS within fragipan, M-MR in substratum	3
Bertie silt loam	0-2%	Aquic Hapludults	MWD	No	M	5
Chewacla silt loam	0-2%	Fluvaquentic Dystrochrepts	SPD	Frequent (Nov-Apr)	M surface and subsoil	5
Dragston fine sandy loam	0-2%	Aeric Ochraquults	SPD	No	MR	4
Dumfries sandy loam	2-7%	Typic Hapludults	WD	No	MR, MR subsoil, R substratum	5
Dumfries sandy loam	7-15%	Typic Hapludults	WD	No	MR, MR subsoil, R substratum	5
Dumfries sandy loam	15-25%	Typic Hapludults	WD	No	MR, MR subsoil, R substratum	5
Dumfries sandy loam	25-50%	Typic Hapludults	WD	No	MR, MR subsoil, R	5

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Fallsington fine sandy loam	0-2%	Typic Ochraquults	PD	No	M	4
Galestown loamy fine sand	0-2%	Psammentic Hapludults	SED	No	R, MR subsoil, R substratum	5
Glenelg silt loam	2-7%	Typic Hapludults	WD	No	M	3
Glenelg silt loam	7-15%	Typic Hapludults	WD	No	M	3
Keyport silt loam	--	Aquic Hapludults	MWD	No	MS surface, S subsoil, M substratum	3-2
Lenoir silt loam	0-2%	Aquic Paleaquults	SPD	No	VS	5
Louisburg coarse sandy loam	7-25%	Ruptic-Ultic Dystrochrepts	SED-WD	No	MR surface & substratum, M-MR subsoil	2
Louisburg coarse sandy loam	25-50%	Ruptic-Ultic Dystrochrepts	SED-WD	No	MR surface and substratum, M-MR Subsoil	2
Lunt fine sandy loam	2-7%	Typic Hapludalfs	WD-MWD	No	M-MR surface, M subsoil, MR-VR substratum	4
Lunt fine sandy loam	7-15%	Typic Hapludalfs	WD-MWD	No	M-MR surface, M subsoil, MR-VR substratum	4
Lunt fine sandy loam	15-25%	Typic Hapludalfs	WD-MWD	No	M-MR surface, M subsoil, MR-VR substratum	4
Matapeake silt loam	2-7%	Typic Hapludults	WD	No	M surface and subsoil	4
Matapeake silt loam	7-15%	Typic Hapludults	WD	No	M surface and subsoil	4
Mattapex silt loam	2-6%	Aquic Hapludults	WD	No	M	4
Mattapex silt loam	6-10%	Aquic Hapludults	MWD	No	M	4
Quantico fine sandy loam	7-15%	Typic Hapludults	WD	No	MR surface, M subsoil, M-MR substratum	4

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Quantico fine sandy loam	15-25%	Typic Hapludults	WD	No	MR surface, M subsoil, M-MR substratum	4
Sassafras fine sandy loam	2-6%	Typic Hapludults	WD	No	M, R substratum	4
Sassafras fine sandy loam	6-10%	Typic Hapludults	WD	No	M, R substratum	4
Wehadkee silt loam	0-2%	Typic Fluvaquents	PD	Frequent (Nov-Jun)	M	5
Woodstown fine sandy loam	0-2%	Aquic Hapludults	MWD	No	M	4
Woodstown fine sandy loam	2-6%	Aquic Hapludults	MWD	No	M	4
Woodstown fine sandy loam	6-10%	Aquic Hapludults	MWD	No	M	4
Mixed alluvial	0-2%	Entisols	PD	Frequent (Jan-Dec)	M	5
Tidal marsh		Histosols	VPD	Frequent (Jan-Dec)	M	--
Cut and fill		--	--	No	--	--
Urban land	0-10%	--	--	No	>70% impervious	--

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Map Unit Name	Slope	Taxonomy	Drainage Class¹	Flooding	Permeability²	Erosion Factor³
¹ Drainage Class Key:						
MWD: Moderately well drained			SPD: Somewhat poorly drained			
PD: Poorly drained			VPD: Very poorly drained			
SED: Somewhat excessively drained			WD: Well drained			
² Permeability Key (depth per hour):						
VS: Very slow	(less than 0.06")		MR: Moderately rapid		(2.0 to 6.0")	
S: Slow	(0.06 to 0.2")		R: Rapid		(6.0 to 20")	
MS: Moderately slow	(0.2 to 0.6")		VR: Very rapid		(more than 20")	
M: Moderate	(0.6 to 2.0")					
³ Erosion factor given is the "T" factor, representing an estimate of the maximum average annual rate of soil erosion by wind or water that can occur without affecting soil fertility over a sustained period. Rate is in tons per acre per year.						