

HYDRIC & HIGHLY ERODIBLE SOILS BY CODE of MARYLAND
Charles County, Maryland

Highly erodible soils, as defined by the Code of Maryland (COMAR) with relation to the Critical Area (COMAR 27.01.01.01(30)), are those soils with a slope greater than 15 percent or a K factor over 0.35 and with slopes greater than 5 percent. Hydric soils, in COMAR and in Charles County code, with relation to Resource Protection Zones, (COMAR 27.01.01.01 (32); Code of Charles County, Maryland Part II, Article IX, Chapter 297-12), are those soils that are wet frequently enough to periodically produce anaerobic conditions, thereby influencing the species composition or growth, or both, of plants on those soils. (COMAR web site: www.dsd.state.md.us/comar/27/27.01.01.01.htm)

Map Symbol	Soil Mapunit Name	COMAR Soils Classification	
		Highly Erodible	Hydric
AnE	Annapolis fine sandy loam, 15 to 25 percent slopes	yes	no
AnG	Annapolis fine sandy loam, 25 to 60 percent slopes	yes	no
AsA	Annesessex silt loam, 0 to 2 percent slopes	no	no
AsB	Annesessex silt loam, 2 to 5 percent slopes	no	no
BaB	Beltsville silt loam, 2 to 5 percent slopes	no	no
BaC	Beltsville silt loam, 5 to 10 percent slopes	yes	no
BcA	Beltsville-Aquasco complex, 0 to 2 percent slopes	no	no
BgB	Beltsville-Grosstown-Woodstown complex, 0 to 5 percent slopes	no	no
BuB	Beltsville-Urban land complex, 0 to 5 percent slopes	no	no
CAC	Collington and Annapolis soils, 5 to 10 percent slopes	no	no
CAD	Collington and Annapolis soils, 10 to 15 percent slopes	no	no
CmD	Croom-Marr complex, 10 to 15 percent slopes	no	no
CmE	Croom-Marr complex, 15 to 25 percent slopes	yes	no
CmG	Croom-Marr complex, 25 to 60 percent slopes	yes	no
DfA	Dodon fine sandy loam, 0 to 2 percent slopes	no	no
DfB	Dodon fine sandy loam, 2 to 5 percent slopes	no	no
DnA	Donlonton fine sandy loam, 0 to 2 percent slopes	no	no
DnB	Donlonton fine sandy loam, 2 to 5 percent slopes	no	no
EkA	Elkton silt loam, 0 to 2 percent slopes, frequently ponded	no	yes
GcB	Galestown-Hammonton complex, 0 to 5 percent slopes	no	no
GgB	Grosstown gravelly silt loam, 2 to 5 percent slopes	no	no
GmD	Grosstown-Marr-Hoghole complex, 5 to 15 percent slopes	yes	no
GmF	Grosstown-Marr-Hoghole complex, 15 to 40 percent slopes	yes	no

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(continued)

Map Symbol	Soil Mapunit Name	COMAR Soils Classification	
		Highly Erodible	Hydric
GwD	Grosstown-Woodstown-Beltsville complex, 5 to 15 percent slopes	yes	no
HgB	Hoghole-Grosstown complex, 0 to 5 percent slopes	no	no
Is	Issue silt loam, occasionally flooded	no	no
LQA	Lenni and Quindocqua soils, 0 to 2 percent slopes	no	yes
LsA	Liverpool silt loam, 0 to 2 percent slopes	no	no
LsB	Liverpool silt loam, 2 to 5 percent slopes	no	no
LxD	Liverpool-Piccowaxen complex, 5 to 15 percent slopes	yes	no
MaA	Magnolia silt loam, 0 to 2 percent slopes	no	no
MaB	Magnolia silt loam, 2 to 5 percent slopes	no	no
MaC	Magnolia silt loam, 5 to 10 percent slopes	yes	no
McC	Magnolia-Grosstown complex, 5 to 10 percent slopes	yes	no
McD	Magnolia-Grosstown complex, 10 to 15 percent slopes	yes	no
McE	Magnolia-Grosstown complex, 15 to 25 percent slopes	yes	no
MfA	Marr fine sandy loam, 0 to 2 percent slopes	no	no
MfB	Marr fine sandy loam, 2 to 5 percent slopes	no	no
MfE	Marr fine sandy loam, 15 to 25 percent slopes	yes	no
MfG	Marr fine sandy loam, 25 to 60 percent slopes	yes	no
MkB	Marr-Beltsville complex, 2 to 5 percent slopes	no	no
MkD	Marr-Beltsville complex, 5 to 15 percent slopes	yes	no
MkE	Marr-Beltsville complex, 15 to 25 percent slopes	yes	no
MkF	Marr-Beltsville complex, 25 to 40 percent slopes	yes	no
MnB	Marr-Dodon complex, 2 to 5 percent slopes	no	no
MnC	Marr-Dodon complex, 5 to 10 percent slopes	no	no
MnD	Marr-Dodon complex, 10 to 15 percent slopes	no	no
MT	Mispillion and Transquaking soils, tidally flooded	no	yes
NG	Nanticoke and Mannington soils, frequently flooded	no	yes
PcA	Piccowaxen loam, 0 to 2 percent slopes	no	no
PcB	Piccowaxen loam, 2 to 5 percent slopes	no	no
PT	Pits, gravel	yes	no
Pu	Potobac-Issue complex, frequently flooded	no	yes
RgA	Reybold loam, gravelly subsoil, 0 to 2 percent slopes	no	no

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(continued)

Map Symbol	Soil Mapunit Name	COMAR Soils Classification	
		Highly Erodible	Hydric
RgB	Reybold loam, gravelly subsoil, 2 to 5 percent slopes	no	no
RsA	Reybold silt loam, 0 to 2 percent slopes	no	no
RsB	Reybold silt loam, 2 to 5 percent slopes	no	no
RsC	Reybold silt loam, 5 to 10 percent slopes	yes	no
UdB	Udorthents, loamy, 0 to 5 percent slopes	no	no
UdD	Udorthents, loamy, 5 to 15 percent slopes	yes	no
UgB	Udorthents, reclaimed gravel pits, 0 to 5 percent slopes	no	no
UhG	Udorthents, refuse substratum, 0 to 50 percent slopes	yes	no
UK	Urban land	no	no
UmB	Urban land-Beltsville complex, 0 to 5 percent slopes	no	no
UoB	Urban land-Grosstown complex, 0 to 5 percent slopes	no	no
UoD	Urban land-Grosstown complex, 5 to 15 percent slopes	yes	no
UpB	Urban land-Piccowaxen complex, 0 to 5 percent slopes	no	no
W	Water	no	no
WdA	Woodstown sandy loam, 0 to 2 percent slopes	no	no
WdB	Woodstown sandy loam, 2 to 5 percent slopes	no	no
WdC	Woodstown sandy loam, 5 to 10 percent slopes	yes	no