

Essex County, Massachusetts, North Part -HYDRIC SOIL LIST
AUGUST, 2002
NATURAL RESOURCES CONSERVATION SERVICE

steep = 15 - 45 % slopes, unless otherwise specified extr = extremely

Publ. Sym.	State Symbol	Map Unit Name	hydric	code
AgA	275A	Agawam fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Ninigret	n	-
		Walpole	y	2B3
AgB	275B	Agawam fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Ninigret	n	-
		Walpole	y	2B3
AgC	275C	Agawam fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Windsor	n	-
AmA	258A	Amostown fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Belgrade	n	-
		Walpole variant	y	2B3
AmB	258B	Amostown fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Belgrade	n	-
		Walpole variant	y	2B3
Ba	610	Beaches	unranked	-
BeA	225A	Belgrade very fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Raynham	y	2B3
		Unadilla	n	-
BeB	225B	Belgrade very fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Raynham	y	2B3
		Unadilla	n	-
BeC	225C	Belgrade very fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Unadilla	n	-
		Raynham	y	2B3
Br	9A	Birdsall silt loam, 0 to 3 % slopes	y	2B3,3
		Inclusions: Freetown	y	1
		Maybid	y	2B3,3
		Raynham	y	2B3
BuA	228A	Buxton silt loam, 0 to 3 % slopes	n	-
		Inclusions: Suffield	n	-
		Scantic	y	2B3
BuB	228B	Buxton silt loam, 3 to 8 % slopes	n	-
		Inclusions: Suffield	n	-
		Scantic	y	2B3
BuC	228C	Buxton silt loam, 8 to 15 % slopes	n	-
		Inclusions: Suffield	n	-
		Scantic	y	2B3
BxB	709B	Buxton-Rock outcrop complex, 3 to 8 % slopes		
		Buxton	n	-
		Rock outcrop	unranked	-
		Inclusions: Suffield	n	-
		Scantic	y	2B3
BxC	709C	Buxton-Rock outcrop complex, 8 to 15 % slopes		
		Buxton	n	-
		Rock outcrop	unranked	-
		Inclusions: Suffield	n	-
		Scantic	y	2B3

Publ. Sym.	State Symbol	Map Unit Name	hydric	code
CaA	420A	Canton fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Scituate	n	-
		Swansea	y	1
CaB	420B	Canton fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Scituate	n	-
		Swansea	y	1
CaC	420C	Canton fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Scituate	n	-
		Swansea	y	1
CaD	420D	Canton fine sandy loam, 15 to 25 % slopes	n	-
		Inclusions: Charlton	n	-
		Swansea	y	1
CbB	421B	Canton fine sandy loam, very stony, 3 to 8 % slopes	n	-
		Inclusions: Scituate	n	-
		Swansea	y	1
CbC	421C	Canton fine sandy loam, very stony, 8 to 15 % slopes	n	-
		Inclusions: Scituate	n	-
		Swansea	y	1
CbD	421D	Canton fine sandy loam, very stony, 15 to 25 % slopes	n	-
		Inclusions: Scituate	n	-
		Charlton	n	-
CcB	422B	Canton fine sandy loam, extremely stony, 3 to 8 % slopes	n	-
		Inclusions: Scituate	n	-
		Swansea	y	1
CcC	422C	Canton fine sandy loam, extremely stony, 8 to 15 % slopes	n	-
		Inclusions: Scituate	n	-
CcD	422D	Canton fine sandy loam, extremely stony, 15 to 25 % slopes	n	-
		Inclusions: Scituate	n	-
		Charlton	n	-
CDE	710E	Canton and Charlton fine sandy loams, steep, extremely stony		
		Canton	n	-
		Charlton	n	-
		Inclusions: Paxton	n	-
		Hollis	n	-
		Woodbridge	n	-
CeA	259A	Carver loamy coarse sand, 0 to 3 % slopes	n	-
		Inclusions: Deerfield	n	-
		Wareham	y	2B2
CeB	259B	Carver loamy coarse sand, 3 to 8 % slopes	n	-
		Inclusions: Deerfield	n	-
		Wareham	y	2B2
CmB	405B	Charlton fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Sutton	n	-
CmC	405C	Charlton fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Canton	n	-
		Sutton	n	-
CmD	405D	Charlton fine sandy loam, 15 to 25 % slopes	n	-
		Inclusions: Canton	n	-
		Sutton	n	-
CoB	406B	Charlton fine sandy loam, very stony, 3 to 8 % slopes	n	-
		Inclusions: Sutton	n	-
CoC	406C	Charlton fine sandy loam, very stony, 8 to 15 % slopes	n	-
		Inclusions: Canton	n	-
		Sutton	n	-
CoD	406D	Charlton fine sandy loam, very stony, 15 to 25 % slopes	n	-
		Inclusions: Canton	n	-
		Sutton	n	-

Publ. Sym.	State Symbol	Map Unit Name	hydric	code
CrB	711B	Charlton-Rock outcrop-Hollis complex, 3 to 8 % slopes		
		Charlton	n	-
		Rock outcrop	unranked	-
		Hollis	n	-
		Inclusions: Woodbridge	n	-
		Ridgebury	y	2B3
CrC	711C	Charlton-Rock outcrop-Hollis complex, 8 to 15 % slopes		
		Charlton	n	-
		Rock outcrop	unranked	-
		Hollis	n	-
		Inclusions: Woodbridge	n	-
		Ridgebury	y	2B3
CrD	711D	Charlton-Rock outcrop-Hollis complex, 15 to 25 % slopes		
		Charlton	n	-
		Rock outcrop	unranked	-
		Hollis	n	-
		Inclusions: Woodbridge	n	-
		Ridgebury	y	2B3
De	256A	Deerfield loamy fine sand, 0 to 6 % slopes	n	-
		Inclusions: Windsor	n	-
		Wareham	y	2B2
Du	652	Dumps	unranked	-
		Inclusions: Leicester	y	2B3
		Raynham	y	2B3
		Ridgebury	y	2B3
		Scarboro	y	2B2,3
		Walpole	y	2B3
		Whitman	y	2B3,3
EIA	240A	Elmwood fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Melrose	n	-
		Swanton	y	2B3
EIB	240B	Elmwood fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Melrose	n	-
		Swanton	y	2B3
Ha	96A	Hadley very fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Winooski	n	-
		Limerick	y	2B3
		Rumney	y	2B3
		Saco variant	y	2B3
HfA	253A	Hinckley loamy sand, 0 to 3 % slopes	n	-
		Inclusions: Windsor	n	-
		Sudbury	n	-
		Carver	n	-
		Wareham	y	2B2
		Swansea	y	1
HfB	253B	Hinckley loamy sand, 3 to 8 % slopes	n	-
		Inclusions: Windsor	n	-
		Sudbury	n	-
		Carver	n	-
		Wareham	y	2B2
		Swansea	y	1
HfC	253C	Hinckley loamy sand, 8 to 15 % slopes	n	-
		Inclusions: Windsor	n	-
		Carver	n	-
		Sudbury	n	-
		Swansea	y	1
		Wareham	y	2B2
HfD	253D	Hinckley loamy sand, 15 to 25 % slopes	n	-
HWE	257E	Hinckley and Windsor loamy sands, steep, 25 to 35 % slopes	n	-
		Hinckley	n	-
		Windsor	n	-
		Inclusions: Carver	n	-

Publ. Sym.	State Symbol	Map Unit Name	hydric	code
Iw	712A	Ipswich and Westbrook mucky peats, 0 to 3 % slopes		
		Ipswich	y	1,3
		Westbrook	y	1,3
		Inclusions: Saco variant	y	1,3
LeA	67A	Leicester fine sandy loam, 0 to 3 % slopes	y	2B3
		Inclusions: Whitman	y	2B3,3
		Woodbridge	n	-
LeB	67B	Leicester fine sandy loam, 3 to 8 % slopes	y	2B3
		Inclusions: Woodbridge	n	-
		Whitman	y	2B3,3
Lr	713A	Limerick and Rumney soils, 0 to 3 % slopes		
		Limerick	y	2B3
		Rumney	y	2B3
		Inclusions: Winooski	n	-
		Saco variant	y	2B3
Ma	12A	Maybid silt loam, 0 to 3 % slopes	y	2B3,3
		Inclusions: Scantic	y	2B3
		Swansea	y	1
MC	52A	Medisapristis, deep, 0 to 3 % slopes	y	1
		Inclusions: Swansea	y	1
		Whitman	y	3,2B3
		Scarboro	y	2B2,3
		Birdsall	y	3,2B3
MD	51A	Medisapristis, shallow, 0 to 3 % slopes	y	1
		Inclusions: Freetown	y	1
		Whitman	y	3,2B3
		Scarboro	y	2B2,3
		Birdsall	y	3,2B3
MeB	714B	Melrose fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Elmwood	n	-
		Swanton	y	2B3
MmA	254A	Merrimac fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Sudbury	n	-
		Hinckley	n	-
		Walpole	y	2B3
MmB	254B	Merrimac fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Sudbury	n	-
		Hinckley	n	-
		Walpole	y	2B3
MmC	524C	Merrimac fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Hinckley	n	-
		Walpole	y	2B3
MmD	254D	Merrimac fine sandy loam, 15 to 25 % slopes	n	-
		Inclusions: Hinckley	n	-
MoB	300B	Montauk fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Scituate	n	-
		Ridgebury	y	2B3
MoC	300C	Montauk fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Scituate	n	-
		Ridgebury	y	2B3
MoD	300D	Montauk fine sandy loam, 15 to 25 % slopes	n	-
		Inclusions: Scituate	n	-
		Paxton	n	-
MsB	301B	Montauk fine sandy loam, very stony, 3 to 8 % slopes	n	-
		Inclusions: Scituate	n	-
		Ridgebury	y	2B3
MsC	301C	Montauk fine sandy loam, very stony, 8 to 15 % slopes	n	-
		Inclusions: Scituate	n	-
		Ridgebury	y	2B3
MsD	301D	Montauk fine sandy loam, very stony, 15 to 25 % slopes	n	-
		Inclusions: Paxton	n	-
		Scituate	n	-
MxC	302C	Montauk fine sandy loam, extremely stony, 5 to 20 % slopes	n	-
		Inclusions: Paxton	n	-
		Ridgebury	y	2B3
		Scituate	n	-

Publ. Sym.	State Symbol	Map Unit Name	hydric	code
NnA	276A	Ninigret fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Agawam	n	-
		Sudbury	n	-
		Windsor	n	-
NnB	276B	Ninigret fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Agawam	n	-
		Sudbury	n	-
		Windsor	n	-
PaB	305B	Paxton fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Ridgebury	y	2B3
		Woodbridge	n	-
PaC	305C	Paxton fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Woodbridge	n	-
		Ridgebury	y	2B3
PaD	305D	Paxton fine sandy loam, 15 to 25 % slopes	n	-
		Inclusions: Woodbridge	n	-
PbB	306B	Paxton fine sandy loam, very stony, 3 to 8 % slopes	n	-
		Inclusions: Woodbridge	n	-
		Ridgebury	y	2B3
PbC	306C	Paxton fine sandy loam, very stony, 8 to 15 % slopes	n	-
		Inclusions: Woodbridge	n	-
		Ridgebury	y	2B3
PbD	306D	Paxton fine sandy loam, very stony, 15 to 25 % slopes	n	-
		Inclusions: Woodbridge	n	-
PcC	307C	Paxton fine sandy loam, extremely stony, 8 to 15 % slopes	n	-
		Inclusions: Woodbridge	n	-
		Ridgebury	y	2B3
PcD	307D	Paxton fine sandy loam, extremely stony, 15 to 25 % slopes	n	-
		Inclusions: Woodbridge	n	-
PcE	307E	Paxton fine sandy loam, extremely stony, 25 to 45 % slopes	n	-
		Inclusions: Charlton	n	-
		Montauk	n	-
		Woodbridge	n	-
Pe	38A	Pipestone loamy sand, 0 to 3 % slopes	y	2B2
		Inclusions: Wareham	y	2B2
		Scarboro	y	2B2,3
		Deerfield	n	-
Pg	600	Pits, gravel	unranked	-
Qu	601	Quarries	unranked	-
Ra	30A	Raynham silt loam, 0 to 3 % slopes	y	2B3
		Inclusions: Belgrade	n	-
		Amostown	n	-
		Birdsall	y	2B3,3
		Walpole variant	y	2B3
RdA	70A	Ridgebury fine sandy loam, 0 to 3 % slopes	y	2B3
		Inclusions: Whitman	y	2B3,3
		Woodbridge	n	-
RdB	70B	Ridgebury fine sandy loam, 3 to 8 % slopes	y	2B3
		Inclusions: Woodbridge	n	-
		Whitman	y	2B3,3
RIA	715A	Ridgebury and Leicester fine sandy loams, extremely stony, 0 to 3 % slopes		
		Ridgebury	y	2B3
		Leicester	y	2B3
		Inclusions: Sutton	n	-
		Whitman	y	2B3,3
		Woodbridge	n	-
RIB	715B	Ridgebury and Leicester fine sandy loams, extremely stony, 3 to 8 % slopes		
		Ridgebury	y	2B3
		Leicester	y	2B3
		Inclusions: Sutton	n	-
		Whitman	y	2B3,3
		Woodbridge	n	-

Publ. Sym.	State Symbol	Map Unit Name	hydric	code
RnC	716C	Rock Outcrop- Buxton complex, 3 to 15 % slopes		
		Rock outcrop	unranked	-
		Buxton	n	-
		Inclusions: Suffield	n	-
		Scantic	y	2B3
RnD	716D	Rock Outcrop- Buxton complex, 15 to 25 % slopes		
		Rock outcrop	unranked	-
		Buxton	n	-
		Inclusions: Suffield	n	-
		Scantic	y	2B3
RoC	717C	Rock outcrop- Charlton - Hollis complex, 3 to 15 % slopes		
		Rock outcrop	unranked	-
		Charlton	n	-
		Hollis	n	-
		Inclusions: Leicester	y	2B3
		Sutton	n	-
RoD	717D	Rock outcrop- Charlton - Hollis complex, 15 to 35 % slopes		
		Rock outcrop	unranked	-
		Charlton	n	-
		Hollis	n	-
		Inclusions: Leicester	y	2B3
		Sutton	n	-
Rx	105F	Rock outcrop-Hollis complex, 0 to 40 % slopes		
		Rock outcrop	unranked	-
		Hollis	n	-
Sa	718A	Saco variant silt loam, 0 to 3 % slopes	y	2B3
		Inclusions: Limerick	y	2B3
		Rumney	y	2B3
		Swansea	y	1
ScA	16A	Scantic silt loam, 0 to 3 % slopes	y	2B3
		Inclusions: Maybid	y	2B3,3
		Buxton	n	-
ScB	16B	Scantic silt loam, 3 to 8 % slopes	y	2B3
		Inclusions: Maybid	y	2B3,3
		Buxton	n	-
Se	6A	Scarboro mucky fine sandy loam, 0 to 3 % slopes	y	2B3,3
		Inclusions: Deerfield	n	-
		Freetown	y	1
		Wareham	y	2B2
SgB	315B	Scituate fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Ridgebury	y	2B3
		Whitman	y	2B3,3
SgC	315C	Scituate fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Montauk	n	-
		Hollis	n	-
		Ridgebury	y	2B3
ShB	316B	Scituate fine sandy loam, very stony, 3 to 8 % slopes	n	-
		Inclusions: Ridgebury	y	2B3
		Whitman	y	2B3,3
ShC	316C	Scituate fine sandy loam, very stony, 8 to 15 % slopes	n	-
		Inclusions: Montauk	n	-
		Hollis	n	-
		Ridgebury	y	2B3
SrA	260A	Sudbury fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Merrimac	n	-
		Walpole	y	2B3
SrB	260B	Sudbury fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Merrimac	n	-
		Walpole	y	2B3
SsB	719B	Suffield silt loam, 3 to 8 % slopes	n	-
		Inclusions: Buxton	n	-
		Scantic	y	2B3
SsC	719C	Suffield silt loam, 8 to 15 % slopes	n	-
		Inclusions: Buxton	n	-

Publ. Sym.	State Symbol	Map Unit Name	hydric	code
StA	410A	Sutton fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Leicester	y	2B3
		Whitman	y	2B3,3
StB	410B	Sutton fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Leicester	y	2B3
		Whitman	y	2B3,3
StC	410C	Sutton fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Leicester	y	2B3
SuB	411B	Sutton fine sandy loam, very stony, 3 to 8 % slopes	n	-
		Inclusions: Leicester	y	2B3
		Whitman	y	2B3,3
SuC	411C	Sutton fine sandy loam, very stony, 8 to 15 % slopes	n	-
		Inclusions: Leicester	y	2B3
SwA	40A	Swanton fine sandy loam, 0 to 3 % slopes	y	2B3
		Inclusions: Whately variant	y	2B3
		Melrose	n	-
SwB	40B	Swanton fine sandy loam, 3 to 8 % slopes	y	2B3
		Inclusions: Whately variant	y	2B3
		Melrose	n	-
UAC	702C	Udipsamments, rolling, 3 to 15 % slopes	unranked	-
		Inclusions: Ipswich	y	1,3
		Scarboro	y	2B2,3
		Westbrook	y	1,3
UD	651	Udortherents, smoothed	unranked	-
		Inclusions: Urban land	unranked	-
		Beaches	unranked	-
		Dumps	unranked	-
UnA	230A	Unadilla very fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Belgrade	n	-
		Raynham	y	2B3
UnB	230B	Unadilla very fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Belgrade	n	-
		Raynham	y	2B3
UnC	230C	Unadilla very fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Belgrade	n	-
Ur	602	Urban land	unranked	-
		Inclusions: Udortherents	n	-
		Charlton	n	-
		Hinckley	n	-
		Merrimac	n	-
		Paxton	n	-
		Windsor	n	-
W	1	water	unranked	-
WaA	31A	Walpole fine sandy loam, 0 to 3 % slopes	y	2B3
		Inclusions: Scarboro	y	2B2,3
		Sudbury	n	-
		Ninigret	n	-
WaB	31B	Walpole fine sandy loam, 3 to 8 % slopes	y	2B3
		Inclusions: Scarboro	y	2B2,3
		Sudbury	n	-
		Ninigret	n	-
Wb	21A	Walpole variant fine sandy loam, 0 to 3 % slopes	y	2B3
		Inclusions: Scarboro	y	2B2,3
		Amostown	n	-
WeA	32A	Wareham loamy sand, 0 to 3 % slopes	y	2B2
		Inclusions: Scarboro	y	2B2,3
WeB	32B	Wareham loamy sand, 3 to 8 % slopes	y	2B2
		Inclusions: Scarboro	y	2B2,3
Wf	720A	Whately variant fine sandy loam, 0 to 3 % slopes	y	2B3
		Inclusions: Swansea	y	1
		Swanton	y	2B3
Wg	72A	Whitman loam, 0 to 3 % slopes	y	2B3,3
		Inclusions: Ridgebury	y	2B3
		Leicester	y	2B3
Wh	73A	Whitman loam, extremely stony, 0 to 3 % slopes	y	2B3,3
		Inclusions: Ridgebury	y	2B3
		Leicester	y	2B3

Publ. Sym.	State Symbol	Map Unit Name	hydric	code
WnA	255A	Windsor loamy sand, 0 to 3 % slopes	n	-
		Inclusions: Deerfield	n	-
		Scarboro	y	2B2,3
		Wareham	y	2B2
		Pipestone	y	2B2
WnB	255B	Windsor loamy sand, 3 to 8 % slopes	n	-
		Inclusions: Deerfield	n	-
		Wareham	y	2B2
		Pipestone	y	2B2
WnC	255C	Windsor loamy sand, 8 to 15 % slopes	n	-
		Inclusions: Deerfield	n	-
		Pipestone	y	2B2
		Scarboro	y	2B2,3
		Swansea	y	1
		Wareham	y	2B2
WnD	255D	Windsor loamy sand, 15 to 25 % slopes	n	-
WoC	721C	Windsor-Rock outcrop complex, 3 to 15 % slopes		
		Windsor	n	-
		Rock outcrop	unranked	-
		Inclusions: Pipestone	y	2B2
		Scarboro	y	2B2,3
		Wareham	y	2B2
WoD	721D	Windsor-Rock outcrop complex, 15 to 25 % slopes		
		Windsor	n	-
		Rock outcrop	unranked	-
		Inclusions: Wareham	y	2B2
		Scarboro	y	2B2,3
Wp	98A	Winooski very fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Limerick	y	2B3
		Rumney	y	2B3
		Saco variant	y	2B3
WrA	310A	Woodbridge fine sandy loam, 0 to 3 % slopes	n	-
		Inclusions: Ridgebury	y	2B3
		Whitman	y	2B3,3
WrB	310B	Woodbridge fine sandy loam, 3 to 8 % slopes	n	-
		Inclusions: Ridgebury	y	2B3
		Whitman	y	2B3,3
WrC	310C	Woodbridge fine sandy loam, 8 to 15 % slopes	n	-
		Inclusions: Paxton	n	-
		Ridgebury	y	2B3
WsB	311B	Woodbridge fine sandy loam, very stony, 0 to 8 % slopes	n	-
		Inclusions: Ridgebury	y	2B3
		Whitman	y	2B3,3
WsC	311C	Woodbridge fine sandy loam, very stony, 8 to 15 % slopes	n	-
		Inclusions: Paxton	n	-
		Ridgebury	y	2B3
WsD	311D	Woodbridge fine sandy loam, very stony, 15 to 25 % slopes	n	-
		Inclusions: Paxton	n	-
		Ridgebury	y	2B3
WtB	312B	Woodbridge fine sandy loam, extremely stony, 3 to 8 % slopes	n	-
		Inclusions: Ridgebury	y	2B3
		Whitman	y	2B3,3
WtC	312C	Woodbridge fine sandy loam, extremely stony, 8 to 15 % slopes	n	-
		Inclusions: Paxton	n	-
		Ridgebury	y	2B3

A slope = 0 - 3 % slope, unless otherwise noted

B slope = 3 - 8 %

C slope = 8 - 15 %

D slope = 15 - 25 %

E slope = 25 - 45 %

HYDRIC SOILS CRITERIA CODES AND DEFINITIONS

1. All Histosols, except Folists, or
2. Soils in Aquic suborder, Aquic subgroup, Albolls suborder, Salorthids great group, Pell great group of Vertisols, Pachic subgroup, or Cumulic subgroups that are:
 - a: somewhat poorly drained and have a frequently-occurring water table less than 0.5 feet from the surface for a significant period (usually 14 consecutive days or more) during the growing season, or
 - b: poorly drained or very poorly drained and have either:
 - (1) a frequently-occurring water table less than 0.5 feet from the surface for a significant period (usually 14 consecutive days or more) during the growing season if textures are coarse sand, sand, or fine sand in all layers within 20 inches, or for other soils,
 - (2) a frequently-occurring water table less than 1.0 feet from the surface for a significant period (usually 15 consecutive days or more) during the growing season if permeability is equal to or greater than 6.0 in/hr in all layers within 20 inches, or
 - (3) a frequently-occurring water table less than 1.5 feet from the surface for a significant period (usually 14 consecutive days or more) during the growing season if permeability is less than 6.0 in/hr in any layers within 20 inches, or
3. Soils that are frequently ponded for long or very long duration during the growing season, or
4. Soils that are frequently flooded for long or very long duration during the growing season.