

Ponds and Embankments

State of Rhode Island: Bristol, Kent, Newport, Providence, and Washington Counties

[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 potential limitation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

Map symbol and soil name	Pct. of map unit	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aa:							
Adrian	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage Ponding	1 1 1	Very limited Cutbanks cave	1
AfA:							
Agawam	90	Very limited Seepage	1	Somewhat limited Seepage	0.12	Very limited Depth to water	1
AfB:							
Agawam	90	Very limited Seepage	1	Somewhat limited Seepage	0.12	Very limited Depth to water	1
Ba:							
Beaches	95	Not limited		Not rated		Not rated	
Udipsamments, Udipsamments-undulating	2	Not limited		Not rated		Not rated	
Bc:							
Birchwood	90	Very limited Seepage	1	Very limited Depth to saturated zone Thin layer Seepage	1 0.98 0.09	Very limited Depth to water	1
BhA:							
Bridgehampton	90	Very limited Seepage	1	Very limited Piping Seepage	1 0.93	Very limited Depth to water	1
BhB:							
Bridgehampton	90	Very limited Seepage	1	Very limited Piping Seepage	1 0.93	Very limited Depth to water	1
BmA:							
Bridgehampton	90	Very limited Seepage	1	Very limited Piping Seepage	1 0.93	Very limited Depth to water	1

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BmB:							
Bridgehampton	90	Very limited Seepage	1	Very limited Piping Seepage	1 0.93	Very limited Depth to water	1
BnB:							
Bridgehampton	60	Very limited Seepage	1	Very limited Piping Seepage	1 0.93	Very limited Depth to water	1
Charlton	25	Very limited Seepage	1	Not limited		Very limited Depth to water	1
BnC:							
Bridgehampton	60	Very limited Seepage Slope	1 0.01	Very limited Piping Seepage	1 0.93	Very limited Depth to water	1
Charlton	25	Very limited Seepage Slope	1 0.01	Not limited		Very limited Depth to water	1
BoC:							
Bridgehampton	60	Very limited Seepage	1	Very limited Piping Seepage	1 0.93	Very limited Depth to water	1
Charlton	25	Very limited Seepage	1	Not limited		Very limited Depth to water	1
BrA:							
Broadbrook	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
BrB:							
Broadbrook	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
BsB:							
Broadbrook	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CaC:							
Canton	40	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Charlton	20	Very limited Seepage	1	Not limited		Very limited Depth to water	1
Rock outcrop	20	Very limited Depth to bedrock	1	Not rated		Not rated	
CaD:							
Canton	40	Very limited Seepage Slope	1 0.28	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Charlton	20	Very limited Seepage Slope	1 0.28	Not limited		Very limited Depth to water	1
Rock outcrop	20	Very limited Depth to bedrock Slope	1 0.28	Not rated		Not rated	
CB:							
Canton	40	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Urban land	30	Not limited		Not rated		Not rated	
CC:							
Canton	40	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Urban land	30	Not limited		Not rated		Not rated	
CdA:							
Canton	60	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Charlton	30	Very limited Seepage	1	Not limited		Very limited Depth to water	1
CdB:							
Canton	60	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CdB:							
Charlton	30	Very limited Seepage	1	Not limited		Very limited Depth to water	1
CdC:							
Canton	60	Very limited Seepage Slope	1 0.01	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Charlton	30	Very limited Seepage Slope	1 0.01	Not limited		Very limited Depth to water	1
CeC:							
Canton	50	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Charlton	30	Very limited Seepage	1	Not limited		Very limited Depth to water	1
ChB:							
Canton	60	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Charlton	30	Very limited Seepage	1	Not limited		Very limited Depth to water	1
ChC:							
Canton	60	Very limited Seepage Slope	1 0.01	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Charlton	30	Very limited Seepage Slope	1 0.01	Not limited		Very limited Depth to water	1
ChD:							
Canton	60	Very limited Seepage Slope	1 0.13	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Charlton	30	Very limited Seepage Slope	1 0.13	Not limited		Very limited Depth to water	1

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CkC:							
Canton	60	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Charlton	30	Very limited Seepage	1	Not limited		Very limited Depth to water	1
Co:							
Carlisle	90	Very limited Seepage	1	Not rated		Somewhat limited Cutbanks cave	0.1
Dc:							
Deerfield	90	Very limited Seepage	1	Somewhat limited Depth to saturated zone Seepage	0.95 0.13	Very limited Cutbanks cave Depth to saturated zone	1 0.02
Du:							
Dumps	90	Not limited		Not rated		Not rated	
EfA:							
Enfield	90	Very limited Seepage	1	Somewhat limited Seepage	0.5	Very limited Depth to water	1
EfB:							
Enfield	90	Very limited Seepage	1	Somewhat limited Seepage	0.5	Very limited Depth to water	1
GBC:							
Gloucester	50	Very limited Seepage	1	Somewhat limited Seepage	0.22	Very limited Depth to water	1
Bridgehampton	30	Very limited Seepage	1	Very limited Piping Seepage	1 0.93	Very limited Depth to water	1
GBD:							
Gloucester	50	Very limited Seepage Slope	1 0.13	Somewhat limited Seepage	0.22	Very limited Depth to water	1
Bridgehampton	30	Very limited Seepage Slope	1 0.13	Very limited Piping Seepage	1 0.93	Very limited Depth to water	1

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GhC:							
Gloucester	50	Very limited Seepage	1	Somewhat limited Seepage	0.22	Very limited Depth to water	1
Hinckley	25	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
GhD:							
Gloucester	50	Very limited Seepage Slope	1 0.13	Somewhat limited Seepage	0.22	Very limited Depth to water	1
Hinckley	25	Very limited Seepage Slope	1 0.13	Somewhat limited Seepage	0.09	Very limited Depth to water	1
HkA:							
Hinckley	90	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
HkC:							
Hinckley	90	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
HkD:							
Hinckley	90	Very limited Seepage Slope	1 0.28	Somewhat limited Seepage	0.09	Very limited Depth to water	1
HnC:							
Hinckley	60	Very limited Seepage	1	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Enfield	30	Very limited Seepage	1	Somewhat limited Seepage	0.5	Very limited Depth to water	1
Ip:							
Ipswich	95	Very limited Seepage	1	Very limited Organic matter content Ponding Depth to saturated zone Seepage Salinity	1 1 1 1 1	Very limited Salinity and saturated zone Cutbanks cave	1 0.1

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LgC:							
Lippitt	85	Very limited		Somewhat limited		Very limited	
		Seepage	1	Thin layer	0.86	Depth to water	1
		Depth to bedrock	0.11	Seepage	0.31		
Ma:							
Mansfield	95	Not limited		Very limited		Somewhat limited	
				Depth to saturated zone	1	Slow refill	0.28
				Piping	1	Cutbanks cave	0.1
				Ponding	1		
Mc:							
Mansfield	90	Not limited		Very limited		Somewhat limited	
				Depth to saturated zone	1	Slow refill	0.28
				Piping	1	Cutbanks cave	0.1
				Ponding	1		
Mk:							
Matunuck	95	Very limited		Very limited		Very limited	
		Seepage	1	Ponding	1	Cutbanks cave	1
				Depth to saturated zone	1	Salinity and saturated zone	0.35
				Seepage	1		
				Salinity	0.03		
MmA:							
Merrimac	90	Very limited		Somewhat limited		Very limited	
		Seepage	1	Seepage	0.12	Depth to water	1
MmB:							
Merrimac	90	Very limited		Somewhat limited		Very limited	
		Seepage	1	Seepage	0.12	Depth to water	1
MU:							
Merrimac	40	Very limited		Somewhat limited		Very limited	
		Seepage	1	Seepage	0.12	Depth to water	1
Urban land	40	Not limited		Not rated		Not rated	
NaA:							
Narragansett	90	Very limited		Somewhat limited		Very limited	
		Seepage	1	Seepage	0.07	Depth to water	1

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
NaB:							
Narragansett	90	Very limited Seepage	1	Somewhat limited Seepage	0.07	Very limited Depth to water	1
NbB:							
Narragansett	90	Very limited Seepage	1	Somewhat limited Seepage	0.07	Very limited Depth to water	1
NbC:							
Narragansett	90	Very limited Seepage	1	Somewhat limited Seepage	0.07	Very limited Depth to water	1
NcC:							
Narragansett	90	Very limited Seepage	1	Somewhat limited Seepage	0.07	Very limited Depth to water	1
NeA:							
Newport	90	Very limited Seepage	1	Very limited Depth to saturated zone	1	Very limited Depth to water	1
NeB:							
Newport	90	Very limited Seepage	1	Very limited Depth to saturated zone	1	Very limited Depth to water	1
NeC:							
Newport	90	Very limited Seepage Slope	1 0.01	Very limited Depth to saturated zone	1	Very limited Depth to water	1
NfB:							
Newport	85	Very limited Seepage	1	Very limited Depth to saturated zone	1	Very limited Depth to water	1
NoC:							
Newport	85	Very limited Seepage	1	Very limited Depth to saturated zone	1	Very limited Depth to water	1
NP:							
Newport	40	Very limited Seepage	1	Very limited Depth to saturated zone	1	Very limited Depth to water	1
Urban land	30	Not limited		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Nt:							
Ninigret	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.03	Very limited Cutbanks cave Depth to saturated zone	1 0.01
PaA:							
Paxton	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
PaB:							
Paxton	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
PbB:							
Paxton	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
PbC:							
Paxton	90	Somewhat limited Seepage Slope	0.7 0.01	Very limited Depth to saturated zone	1	Very limited Depth to water	1
PcC:							
Paxton	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
PD:							
Paxton	40	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
Urban land	30	Not limited		Not rated		Not rated	
Pg:							
Pits	98	Somewhat limited Slope	0.01	Not rated		Not rated	
Urban land	1	Not limited		Not rated		Not rated	
Pk:							
Pits	98	Not limited		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
PmA:							
Pittstown	90	Somewhat limited Seepage	0.72	Very limited Piping Depth to saturated zone	1 0.95	Very limited Depth to water	1
PmB:							
Pittstown	90	Somewhat limited Seepage	0.72	Very limited Piping Depth to saturated zone	1 0.95	Very limited Depth to water	1
PnB:							
Pittstown	90	Somewhat limited Seepage	0.72	Very limited Piping Depth to saturated zone	1 0.95	Very limited Depth to water	1
Pp:							
Pootatuck	85	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.17	Very limited Cutbanks cave Depth to saturated zone	1 0.01
PsA:							
Poquonock	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.03	Very limited Cutbanks cave Depth to saturated zone	1 0.01
PsB:							
Poquonock	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.03	Very limited Cutbanks cave Depth to saturated zone	1 0.01
QoA:							
Quonset	90	Very limited Seepage	1	Somewhat limited Seepage	0.13	Very limited Depth to water	1
QoC:							
Quonset	90	Very limited Seepage	1	Somewhat limited Seepage	0.13	Very limited Depth to water	1
RaA:							
Rainbow	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1

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RaB:							
Rainbow	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
RbB:							
Rainbow	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
Rc:							
Raypol	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.31	Very limited Cutbanks cave	1
Re:							
Ridgebury	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.01	Very limited Depth to water	1
Rf:							
Leicester	30	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.01	Very limited Cutbanks cave	1
Ridgebury	30	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.01	Very limited Depth to water	1
Whitman	20	Not limited		Very limited Depth to saturated zone Ponding	1 1	Very limited Depth to water	1
Rk:							
Rock outcrop	80	Very limited Depth to bedrock Slope	1 0.28	Not rated		Not rated	
Beaches	10	Not limited		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Rp:							
Rock outcrop	50	Very limited Depth to bedrock Slope	1 0.13	Not rated		Not rated	
Canton	25	Very limited Seepage Slope	1 0.13	Somewhat limited Seepage	0.09	Very limited Depth to water	1
Ru:							
Rippowam	85	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.5	Very limited Cutbanks cave	1
Sb:							
Scarboro	90	Very limited Seepage	1	Very limited Depth to saturated zone Ponding Seepage	1 1 0.36	Very limited Cutbanks cave	1
ScA:							
Scio	90	Very limited Seepage	1	Very limited Depth to saturated zone Piping Seepage	1 1 0.01	Very limited Cutbanks cave	1
SdB:							
Scio	90	Very limited Seepage	1	Very limited Depth to saturated zone Piping Seepage	1 1 0.01	Very limited Cutbanks cave	1
Se:							
Stissing	90	Not limited		Very limited Depth to saturated zone Piping	1 1	Somewhat limited Slow refill Cutbanks cave	0.28 0.1
Sf:							
Stissing	90	Not limited		Very limited Depth to saturated zone Piping	1 1	Somewhat limited Slow refill Cutbanks cave	0.28 0.1

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ss:							
Sudbury	90	Very limited Seepage	1	Somewhat limited Depth to saturated zone Seepage	0.95 0.1	Very limited Cutbanks cave Depth to saturated zone	1 0.02
StA:							
Sutton	85	Very limited Seepage	1	Very limited Depth to saturated zone	1	Very limited Cutbanks cave Depth to saturated zone	1 0.01
StB:							
Sutton	85	Very limited Seepage	1	Very limited Depth to saturated zone	1	Very limited Cutbanks cave Depth to saturated zone	1 0.01
SuB:							
Sutton	85	Very limited Seepage	1	Very limited Depth to saturated zone	1	Very limited Cutbanks cave Depth to saturated zone	1 0.01
SvB:							
Sutton	85	Very limited Seepage	1	Very limited Depth to saturated zone	1	Very limited Cutbanks cave Depth to saturated zone	1 0.01
Tb:							
Tisbury	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.1	Very limited Cutbanks cave Depth to saturated zone	1 0.01
UAB:							
Udipsamments	98	Very limited Seepage Slope	1 0.01	Somewhat limited Seepage	0.93	Very limited Cutbanks cave Depth to saturated zone	1 0.81
Beaches	1	Not limited		Not rated		Not rated	
UBE:							
Udorhents	70	Very limited Seepage Slope	1 0.72	Somewhat limited Seepage	0.02	Very limited Depth to water	1

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
UBE:							
Beaches	15	Not limited		Not rated		Not rated	
UD:							
Udorthents	70	Very limited Seepage	1	Somewhat limited Seepage	0.02	Very limited Depth to water	1
Urban land	20	Not limited		Not rated		Not rated	
Ur:							
Urban land	85	Not limited		Not rated		Not rated	
W:							
Water	100	Not rated		Not rated		Not rated	
Wa:							
Walpole	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.15	Very limited Cutbanks cave	1
WbA:							
Wapping	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.09	Very limited Cutbanks cave Depth to saturated zone	1 0.01
WbB:							
Wapping	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.09	Very limited Cutbanks cave Depth to saturated zone	1 0.01
WcB:							
Wapping	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.09	Very limited Cutbanks cave Depth to saturated zone	1 0.01
WdB:							
Wapping	90	Very limited Seepage	1	Very limited Depth to saturated zone Seepage	1 0.09	Very limited Cutbanks cave Depth to saturated zone	1 0.01

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WgA:							
Windsor	90	Very limited Seepage	1	Somewhat limited Seepage	0.1	Very limited Depth to water	1
WgB:							
Windsor	90	Very limited Seepage	1	Somewhat limited Seepage	0.1	Very limited Depth to water	1
WhA:							
Woodbridge	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
WhB:							
Woodbridge	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
WoB:							
Woodbridge	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1
WrB:							
Woodbridge	90	Somewhat limited Seepage	0.7	Very limited Depth to saturated zone	1	Very limited Depth to water	1