

CTSG	Depth to H2O (feet) Growing Season (Low)	Soil Depth to limiting layer (inches)	Available Water Capacity (AWC) (inches) (RV)	CaCO3 within 20 inches (RV)	pH within 20 inches (RV) used only for acid (A) and group 10	Flooding Frequency	Flooding Duration	Bedrock Fragipan or Sand and Gravel Present in Profile	Sodium Adsorb. Rate within 20 inches (RV)	Group Concept	
1	0.5-1.5	≥40	≥6	<5%	≤5.0	Frequent or Occasional	≤Brief	Fragipan or Bedrock	<1	Somewhat poorly drained to moderately well drained soils that are moderately deep to deep with low to high AWC.	
1A											
1C											
1D		20-40									
1F		≥40									
1G		20-40									
1K			≥3		5-15%						
1S			<5%				Sand				
2	0-0.5	≥40	≥6	<5%	≤5.0	Frequent or Occasional	Brief or Long	Fragipan or Bedrock	<1	Moderately deep to deep soils that are poorly or very poorly drained with low to high AWC. Also includes somewhat poorly drained to well drained soils with long duration flooding.	
2A											
2C											
2D		20-40									
2F		0-0.5	≥40		≥9						
2H		>0.5									
2K					≥6			5-15%			
2S			≥3	<5%							
3	>1.5	≥40	≥9	<5%	≤5.0	Frequent or Occasional	≤Brief		<1	Deep loamy, moderately well drained to well drained soils with high AWC.	
3A											
3F											
3K											5-15%
4	>1.5	≥40	≥6	<5%	≤5.0	Frequent or Occasional	≤Brief		<1	Deep moderately well to well drained clayey soils. Soils in this group have low to high AWC. Group 4dry can also include skeletal profiles.	
4Y			3-5.9								
4A											
4F			≥6								
4K											5-15%

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5	>1.5	≥40	6-9	<5%		Frequent or Occasional	≤Brief		<1	Deep loamy moderately well to well drained soils with low to moderate AWC.	
5A					≤5.0						
5F											
5Y			3-5.9								
6	>1.5	20-40	≥3	<5%					<1	Moderately deep soils with a root restrictive zone at 20-40 inches. These soils are moderately well to well drained and have low to moderate AWC.	
6A					≤5.0						
6F											
6G											
6K					5-15%						
7	None	≥20	≥3	<5%				sand	<1	Moderately deep to deep sandy soils that are moderately well drained to excessively drained. These soils have low to moderate AWC. Group 7W soils have a water table influence.	
7F											
7W											1.5-6.5
8	>1.5	≥20	≥3	15-40%					<1	Moderately deep to deep calcareous soils that are poorly drained to well drained.	
8C											
8W											<1.5

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9L	>1.5	≥20	≥3	<5%				No	1-13	Moderately deep to deep soils that are poorly drained to well drained. These soils have moderate to high AWC and a sodium adsorption rate of 1-25.	
9LC											
9LW	<1.5										
9											
9C	>1.5										13-25
9W	<1.5										
10	0-0.5 in April July	<20	<3	>40%	≤4, >8.5		Very long	<20	>25	Soils in this group do not fit criteria in Groups 1-9. This group also includes urban land, water, and misc. land types.	