

ESD Decision Tree for MLRA 70A, Canadian River Plains and Valleys		Site Description	Site Name	Site Code
I. 0-15 percent slope				
A. Bottomland				
		a. This site occurs in the bottoms of broad major drainage ways that receive additional runoff from surrounding uplands on a regular basis. The surface textures are loams, silt loams, and silty clay loams.	Bottomland	<a href="#">R070AY004NM</a>
		b. This site receives water from surrounding sites, either as shallow ground water or surface runoff. These soils have water tables at or near the surface much of the growing season. The effective rooting depth is sometimes determined by high saline content in the subsoil.	Salt Meadow	<a href="#">R070AY013NM</a>
B. Upland				
		1. Loamy texture		
		a. This site occurs on nearly level to undulating upland plains, alluvial fans and some depressions. Soils are moderately deep to deep. Surface textures are loams, silt loams and clay loam with a few areas of sandy loam.	Loamy Upland	<a href="#">R070AY001NM</a>
		2. Clayey texture		
		a. This site occurs on concave, nearly level to gently sloping swales and depressions. These sites receive significant amounts of runoff from adjoining sites, that increase the effective moisture with an increase in plant production.	Swale	<a href="#">R070AY006NM</a>
		This site occurs on upland fans, plains, hill slopes and some depressions. They formed in residuum derived from calcareous, moderately saline, and gypsiferous clayey shale. Soils are moderately deep to deep.	Clayey Upland	<a href="#">R070AY002NM</a>
		3. Sandy texture		
		a. The soils are moderately coarse to coarse textured and the subsoil is medium to moderately fine textured. Effective rooting depth is 40 inches or more.	Sandy Plains	<a href="#">R070AY012NM</a>
		4. The soils are very shallow to shallow		
		a. This site occurs on nearly level to rolling upland as low rounded ridges, hill slopes, mesas or as low hills. Steep-sided canyons frequently dissect the landscape. The parent material or root restriction layer is at depths of 20 inches or less and is limestone or indurate caliches.	Shallow Upland	<a href="#">R070AY003NM</a>
		b. This site occurs on hills, plains, ridges, hogbacks, cuestas, and mesa tops. Shallow soils are formed in thin, calcareous, loamy materials weathered in place from limestone and interbedded limy materials.	Shallow Shale	<a href="#">R070AY015NM</a>
		c. This site is on mesa tops and upland ridge crests. The landscape is typically a complex of small pockets of soil and sandstone outcrop in the form of ledges.	Sandstone Savanna	<a href="#">R070AY018NM</a>
		5. Soils are saline/sodic		
		a. This site may occur in concave depressions but receives little or no additional moisture. The site is differentiated from the other upland sites because of the moderate, strong saline or alkaline in the soil profile.	Salt Flats	<a href="#">R070AY017NM</a>
		6. Parent Material is basalt		
		a. Soils are shallow to deep. Basalt fragments make up 5 to 35% of the soil and occupy 5 to 35% of the surface. The landscape is characteristically a complex of cobbly or stony soil and basalt rock outcrop.	Malpais Upland	<a href="#">R070AY007NM</a>
II. Slopes greater than 15%				
A. Volcanics present				

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		a. This site occurs on volcanic cones or crater landscapes. They formed in gently sloping to hilly cinder deposits. Soils are moderately deep to deep. The surface texture is gravelly loam or silt loam.	Cinder	<a href="#">R070AY011NM</a>
		b. This site is on steep to very steep sides of basalt capped mesas. These soils are on alluvial fans and valley sideslopes. It consists of a series of ridges, benches, and escarpments. The site is 20 to 35% basalt, sandstone and limestone outcrop and 65 to 80% soil.	Malpais Breaks	<a href="#">R070AY010NM</a>
	B. Volcanics not present.			
		a. This site occurs on hilly convex river terrace remnants, cuestas, mesas, and fans along mountain footslopes. Soils are moderately deep to deep and skeletal. Surface textures are gravelly sandy clay loam, or gravelly sandy loam or gravelly clay loam with about 18 to 30 percent clay.	Gravelly Upland	<a href="#">R070AY016NM</a>
		b. This site is on gently sloping to moderately steep canyon walls, hillsides, and mesa tops. The landscape is typically a complex of small pockets of soil and sandstone outcrop in the form of ledges and escarpments.	Shallow Sandstone	<a href="#">R070AY005NM</a>
		c. This site occurs on steep and very steep slopes and escarpments. The landscape consists of interbedded sandstone, limestone, and shale on steep fans, escarpments, scarps, mesa cliffs, and hill slopes.	Sandstone Breaks	<a href="#">R070AY008NM</a>
		d. This site is on steep and very steep slopes along the mesa escarpments, scarp slopes, ridges, and hillsides. Composed of interbedded shale and limestone with soil on moderately steep benches or fans.	Shale Hills	<a href="#">R070AY009NM</a>
		e. The site is on hills, ridges, and plains at elevations of 5,500 to 7,800 feet. The soils formed in fine textured material weathered from shale, claystone or sandstone. Soils are very shallow to shallow over shale or limestone. Effective rooting depth is 7 to 20 inches.	Shallow Savanna	<a href="#">R070AY019NM</a>
	B. Site is forested. Higher elevation sites in this MLRA			
		a. These soils are well drained and shallow over sandstone. Surface textures are gravelly or very gravelly. Available water-holding capacity is low.	Juniperus monosperma-Pinus edulus/Bouteloua gracilis-Bouteloua curtipendula	<a href="#">F070AY020NM</a>
		b. This site is found on sideslopes on mesas, hills, and on valley sides. Slopes tend to be steep. These soils are well drained and shallow over sandstone. Surface textures are gravelly or very gravelly. Available water-holding capacity is low.	Pinus edulus-Juniperus monosperma/Quercus gambleii/Bouteloua curtipendula	<a href="#">F070AY021NM</a>
		b. This site is found on sideslopes on mesas, hills, and on valley sides. Slopes tend to be steep. This site is at a higher elevation than the previous Pinon-Juniper sites.	Pinus ponderosa-Juniperus scopulorum/Quercus gambleii	<a href="#">F070AY022NM</a>