MLRA 34A 10-14W

KEY TO ECOLOGICAL SITES MLRA 34A – COOL CENTRAL DESERTIC BASINS AND PLATEAUS ZONE 3 – 10-14" FOOTHILLS AND BASINS WEST (10-14" W)

	runoff of adjacent slopes or from intermittent/perennial streams or a water table (HIGH Productivity Potential)
	Soil depth very shallow (<10"), shallow (10-20") OR moderately deep to deep (>20") reacting like shallow soils due to root restrictive layer or on south and west facing
	slopes (LOW productivity potential)
	restricting layer that inhibits the productivity potentialGroup III
GF	ROUP I – Sites that Receive Additional Moisture
1.	Sites that are saline and/or alkaline, dominated by salt tolerant species (greasewood, inland saltgrass, alkali sacaton, alkali muhly)2
	 Water table within rooting depth of herbaceous species (20-40") during some or most of the growing season, dominated by grasses such as alkali sacaton, alkali muhly, alkali bluegrass, hearded wheeteress (typically as abruba.
	bearded wheatgrass (typically no shrubs present)
	2. Site not as above
	 Site in a lowland position and water table usually >3 feet (within rooting depth of woody plants, but not within rooting depth of herbaceous plants), dominated by greasewood, inland saltgrass, basin wildrye (no big sage on this
	site)
	channeled into gullies so that plants are not receiving a lot of benefit from additional moisture, greasewood and Gardners saltbush common species, big sage may be
	presentSaline Lowland, drained (SLdr)
1.	Sites that are not saline and/or alkaline
	speciesWetland (WL)
	4. Site not as above
	above 20") during part of the growing season, tufted hairgrass, shrubby cinquefoil, some sedges, rushes, and willows may be
	presentSubirrigated (Sb)
	5. Site not as above
	Site in a lowland position, adjacent to intermittent/perennial stream and water table usually >3 feet (within rooting depth of

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6.	woody plants, but not within rooting depth of herbaceous plants), cottonwoods or remnants thereof may be present, (gravel bars and pockets of bare gravel often present, rhizomatous wheatgrass, woods rose and other woody species common
 Soils very she pockets of dwith VERY L Bedrock Bedrock Bedrock Bedrock Secondary Site of veleve frag Soils shallow cobbly soils, slopes that r 	and Sites that are Very Shallow (<10") OR Shallow (10-20") allow (<10"), but may include areas of exposed bedrock and sep soil, often on steep (up to 55%) south and west facing slopes OW productivity potential
5. Mod effe spe 5. Sha mar Blue 4. Site v accor	s

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	inches, bluebunch wheatgrass and variety of woody plants may be present, productivity potential VERY
	LOWGravelly (Gr)
	7. Fractured sedimentary bedrock at 10-20" with gravel, cobble, stone, and angular fragments on the surface and throughout soil profile, inclusions of very shallow to deep pockets of soil, commonly on south and west facing slopes, juniper common woody species, (productivity potential higher than Very Shallow (VS) site)
	6. Soils <u>without</u> high amount of coarse fragments8 8. Medium to fine textured soils over igneous or volcanic bedrock, bitterbrush common
	Shallow Igneous (SwI)
	8. Soils not as above
	10. Fine sandy loams or coarser textured soils over sandstone or sandy shale, needleandthread and Indian ricegrass dominant grass species Shallow Sandy (SwSy)
	10. Very fine sandy loams to clay loam textured soils over various bedrock types (commonly limestone, siltstone, or shale), low sage intermixed with big sageShallow Loamy (SwLy)
	ROUP III – Upland Sites that are Moderately Deep to Deep (>20")
1.	Sites that are saline and/or alkaline,
	 Gardners saltbush, winterfat, bud sage common (if root restrictive layer present and productivity very low consider Shale site—Group II,
	 Site may receive periodic overflow from adjacent slopes, may be in a lowland position but water is typically channeled into gullies so that plants are not receiving a lot of benefit from additional moisture, greasewood and Gardners saltbush common species, big sage may be
	presentSaline Lowland, drained (SLdr)
1.	Sites that are not saline and/or alkaline
	4. Site occurs along terrace breaks, steep slopes or along stream terraces with coarse fragments up to 10" diameter covering 50-75% of surface and making up 40-50% volume in top 20", may have lime horizon below 12 inches, bluebunch wheatgrass and variety of woody plants may be present, productivity potential VERY LOW

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20", generally increasing with debitterbrush, and big sage comm	35% volume of coarse fragments in top epth, bluebunch wheatgrass, on, productivity high
 Sites <u>without</u> high volume of coarse Sites in a lowland position that I sage, silver sage common 	
6. Soil textures are heavy, slight conditions	nt to severe soil cracking in dry
clay subsoil layer may develop large shrub 8. Heavy clay soils w conditions, very st common	rier textured soils OR root restricting with coarse to fine textures above, soil cracks when dry, early sage dominantShallow Clayey (SwCy) with severe soil cracking in dry licky when wet, (slick spot), low sageDense Clay (DC)
 Soil textures are very coa as dunes, dark or light co ricegrass are dominant s 	arse (loamy sand to sand), sometimes blored, needleandthread and Indian pecies, basin big sage may
9. Soil textures range from loam	10 ms to loamy sands, needleandthread s are dominant
11. Proc	11 luctivity potential is lowShallow Sandy (SwSy) luctivity potential is high
10. Soils very fine sand and even mix of gra	y loams to clay loams, a good variety ss species12
inter 	luctivity potential is low, low sage mixed with big sageShallow Loamy (SwLy) ductivity potential is high
	Loamy (Ly)