

Key 48A

- 1a. Slopes average <5% Go to 2
1b. Slopes average <25% Go to 4
1c. Slopes average >25% Go to 6

2A active water table Go to 3

2B. Other soils Slopes are 0-3%, but may range to 5%. Elevation ranges from 7,000 to 9,000 feet. Soils are well drained and deep to very deep with textures of loam to sandy loam.

Vegetation includes mountain muhly, Arizona fescue, mountain brome, pine dropseed, western wheatgrass, blue grama, little bluestem, tufted hairgrass, needleandthread, big bluestem, Indiangrass, bluegrass, prairie junegrass, sedge, vetch, peavine, clover, iris, yarrow, coneflower, viola, oak, snowberry, serviceberry, fringed sagewort, and cudweed sagewort.

Mountain Valley

3. Slopes do not exceed 5%, elevation ranges form 7,000 to 9,500 feet. The soils are deep to moderately deep silty clay loams, clays, mucky silty clay, channery clay loams, or loams with an active water table. Vegetation includes tufted hairgrass, Nebraska sedge, broomsedge, sedge, mountain brome, western wheatgrass, bulrush, poverty rush, Baltic rush, red fescue, blue joint reedgrass, bog bluegrass, mountain muhly, marsh muhly, spike muhly, meadow barley, oatgrass, clover, western yarrow, iris, aster, geranium, mountain dandelion, vetch, willow, and shrubby cinquefoil.

Mountain Meadow

4A.Over Basalt Go to 5

4B. Slopes 0 to 25%, elevation ranges from 7,500 to 9,500 feet, soils are deep to moderately deep loams, silt loams, clay loams, or gravelly, cobbly, or stony loams. Vegetation includes Arizona fescue, mountain muhly, prairie junegrass, oatgrass, needlegrass, sideoats grama, little bluestem, western wheatgrass, blue grama, pine dropseed, big bluestem, mountain brome, sedge, western yarrow, iris, lupine, penstemon, buckwheat, oakm snowberry, mountain-mahogany, currant, rabbitbrush, sagebrush, cudweed sagewort, ponderosa, and piñon.

Mountain Grassland

5. Slopes are less than 25% with the dominant slope range being 0 to 10%. Elevation ranges from 6,500 to 9,000 feet. Soils are shallow to deep and formed in basalt. Textures range from cobbly loam to stony clay loam. Vegetation includes hairy grama, blue grama, western wheatgrass, Arizona fescue, mountain muhly, little bluestem, sideoats grama, Columbia needlegrass, Indian ricegrass, prairie junegrass, galleta, sand dropseed, mat muhly, ring muhly, three awn, sedge, vetch, pingue, clover, buckwheat, globemallow, rubber rabbitbrush, mountainmahogany, skunkbush sumac, winterfat, fourwing saltbush, and oak.

Mountain Malpais

- 6A. Southern exposure/dryer sites Go to 7
6B. High elevation grasslands Go to 8
6C. Sides of basalt escarpments Go to 9
6D. Shale parent material Go to 10

7. Slopes 3 to 45%, elevation ranges from 6,500 to 8,000 feet. Soils are shallow to moderately deep with surface textures of stony silt loam or cobbly loam. Vegetation includes mountain muhly, sideoats grama, little bluestem, blue grama, Arizona fescue, winter wheatgrass, spike muhly, mountain brome, oatgrass, pine dropseed, sedge, big bluestem, prairie junegrass, wolftail, peavine, vetch, iris, western yarrow, oak, mountain-mahogany, ponderosa pine, and piñon.

Mountain Loam

8. Slopes 20-40%, but may range up to 75%. Elevation ranges from 8,000 to 11,800 feet. Soils are well drained, shallow to moderately deep with textures of Stony loam to clay loam. Vegetation includes mountain brome, Thurber fescue, mountain muhly, Arizona fescue, tufted hairgrass, Columbia needlegrass, Letterman needlegrass, sedge, Nebraska sedge, prairie junegrass, pine dropseed, little bluestem, western wheatgrass, muttongrass, oatgrass, bluegrass, mountain dandelion, penstemon, monkshood, lupine, larkspur, cowparsnip, clover, geranium, iris, aster, shrubby cinquefoil, showberry, mountain currant, raspberry, elderberry, and willow.

Subalpine Grassland

9. Slopes 20 to 75%, elevation ranges from 6,500 to 9,000 feet, soils are shallow to deep over sandstone, shale, basalt, and limestone. Soils have textures of gravelly to channery loams. Vegetation includes mountain muhly, Arizona fescue, western wheatgrass, prairie junegrass, muttongrass, blue grama, little bluestem, big bluestem, bottlebrush squirreltail, Indian ricegrass, sedge, penstemon, globemallow, buckwheat, Indian paintbrush, Gambel oak, mountain mahogany, snowberry, serviceberry, rabbitburhs, antelope bitterbrush, sagebrush, piñon, and juniper.

Mountain Brush

10. Slopes vary from 10 to 75%, but are dominantly steep. Elevation ranges form 7,000 to 9,000 feet. Soils are shallow to moderately deep with textures of cobbly loam to very stony clay loam. Vegetation includes blue grama, western wheatgrass, little bluestem, sideoats grama, alkali sacaton, mountain muhly, Arizona fescue, prairie junegrass, Indian ricegrass, needleand thread, sedges, geranium, clover, buckwheat, western yarrow, lupine, dandelion, vetch, peavine, oak, mountainmahogany, sagebrush, serviceberry, snowberry, juniper, and piñon.

Mountain Shale