

Key 36 B

- 1a. Slopes average <10% Go to 2
1b. Slopes average <15% Go to 9
1c. Slopes average >15% Go to 12
- 2a. Area is a bottomland Go to 3
2b. Other landforms Go to 4

3A. Deep soils with a fine to moderately coarse texture. Vegetation includes alkali sacaton, western wheatgrass, vine mesquite, blue grama, spike muhly, four wing saltbush, rubber rabbitbrush, and broom snakeweed.

Bottomland

3B. Deep soils with a fine to moderately fine texture. The site is dominated by western wheatgrass, and includes vine mesquite, blue grama, galleta, alkali sacaton, fourwing saltbush, winterfat, rubber rabbitbrush, and snakeweed.

Clayey Bottomland

3C. Deep well drained soils influenced by sodium. Shrub dominated. Vegetation includes alkali sacaton, Indian ricegrass, western wheatgrass, bottlebrush squirreltail, sideoats grama, fourwing saltbush, and winterfat.

Salty Bottomland

- 4A. Soils have a fine texture Go to 5
4B. Soils have a loamy texture Go to 6
4C. Soils have a coarse texture Go to 8

5A. Typically deep to moderately deep soils. Typically dominated by alkali sacaton, other vegetation includes giant sacaton, western wheatgrass, galleta, blue grama, vine mesquite, Indian ricegrass, bottlebrush squirreltail, fourwing saltbush, winterfat, and snakeweed.

Clayey

5B. Fine textured soils that occur in a slightly depressed position. Vegetation includes western wheatgrass, alkali sacaton, blue grama, spike muhly, galleta, bottlebrush squirreltail, sideoats grama, fourwing saltbush, winterfat, common wolfberry, and rubber rabbitbrush.

Swale

5C. Typically deep soils, affected by pH and soluble salts. Surface crusting is common. Vegetation includes alkali sacaton, blue grama, vine mesquite, spike muhly, galleta, western wheatgrass, inland saltgrass, fourwing saltbush, shadescale, and greasewood.

Salt Flats

6A. High carbonates or salts Go to 7

6B Parent material is Cinders. Moderately deep to deep well drained medium textured soils that are gravelly or very gravelly throughout. Vegetation includes blue grama, sideoats grama, needleandthread, New Mexico feathergrass, western wheatgrass, galleta, Indian ricegrass, bottlebrush squirreltail, wolftail, spike muhly, threeawn, ring muhly, sand dropseed, black grama, hairy grama, fourwing saltbush, Apache plume, desert-thorn, winterfat, Bigelow's sagebrush, fringed sagewort, rubber rabbitbrush, broom snakeweed, and spineless horsebrush.

Cinder

6C Moderately deep and well drained, medium textured soils. Vegetation includes blue grama, western wheatgrass, spike muhly, bottlebrush squirreltail, New Mexico feathergrass, fourwing saltbush, winterfat, Bigelow sagebrush, and fringed sagewort.

Loamy

6D Deep to moderately deep, well drained, soils of sandy loam and occasionally loam. Vegetation includes blue grama, western wheatgrass, Indian ricegrass, sand dropseed, muttongrass, winterfat, broom snakeweed, rubber rabbitbrush, and sand sage.

Savanah

7A. High carbonates. Deep to moderately deep soils. Slightly effervescent on the surface. Vegetation includes thickspike wheatgrass, western wheatgrass, blue grama, hairy grama, New Mexico feathergrass, galleta, alkali sacaton, winterfat, fourwing saltbush, ephedra, sagebrush, and rubber rabbitbrush.

Limy

7B. Salt alkalinity, and water table constrain plant growth. Vegetation includes inland saltgrass, alkali sacaton, saltsedge, foxtail barley, iodinebush, seepweed, fourwing saltbush, pale wolfberry, and other shrubs.

Salt Meadow

8A. Gently sloping topography, soils are deep eolian deposits of sandstone. Vegetation includes blue grama, Indian ricegrass, spike dropseed, sand dropseed, ring muhly, sandhill muhly, galleta, western wheatgrass, New Mexico feathergrass, three awn, bottlebrush squirreltail, sand sage, fourwing saltbush, soapweed yucca, and rubber rabbitbrush.

Deep Sand

8B. Deep to moderately deep fine sandy soils. Blue grama and western wheatgrass dominants with Indian ricegrass and dropseed closely associated. Rocky mountain bee plant is a noticeable forb. Grasses also include needleandthread, New Mexico feathergrass, bottlebrush squirreltail, galleta, muhly, false buffalograss, fourwing saltbush, winterfat, sagebrush, and broom snakeweed.

Sandy

8C. Deep soils, sandy loam, sandy clay loam, or fine sandy loam from Aeolian and alluvial material. Vegetation includes dropseeds, western wheatgrass, blue grama, Indian ricegrass, New Mexico feathergrass, needleand thread, alkali sacaton, little bluestem, galleta, piñon, juniper, fourwing saltbush, winterfat, and sage.

Sandy Slopes

9A. Shallow soils Go to 10

9B. Deep soils- Vegetation includes blue grama, sideoats grama, hairy grama, little bluestem, common wolftail, spike muhly, needlegrass, Indian ricegrass, galleta, threeawn, winterfat, yucca, piñon, juniper, fourwing saltbush, Apache plume, winterfat, skunkbush, and broom snakeweed.

Gravelly

10A. Over Basalt; Vegetation includes blue grama, sideoats grama, western wheatgrass, alkali sacaton, muhly, needlegrass, bluestem, galleta, dropseeds, threeawns, oak, piñon, juniper, rabbitbrush, Apache plume, winterfat, skunkbush sumac, and snakeweed.

Malpais

10B. Other parent material Go to 11

11A. Shallow soils over an indurate layer such as caliche. Vegetation includes blue grama, needle grasses, sideoats grama, hairy grama, little bluestem, wolftail, spike muhly, bottlebrush squirreltail, western wheatgrass, Indian ricegrass, galleta, sand dropseed, black grama, ring muhly, three awn, piñon, juniper, oak, skunkbush sumac, wolfberry, sagebrush, winterfat, and broom snakeweed.

Shallow

11B. Textures are medium to coarse, and may be stony. Vegetation includes sideoats grama, blue grama, little bluestem, needlegrass, western wheatgrass, Indian ricegrass, muttongrass, galleta, dropseeds, wolftail, alkali sacaton, piñon, juniper, rubber rabbitbrush, fourwing saltbrush, winterfat, and sage.

Shallow Sandstone

12A. Shallow Soils Go to 14

12B. Moderately Deep to deep Go to 13

13A. Soils deep to moderately deep over shale and other parent material. Textures range from sandy loams to clay loams. Vegetation includes blue grama, hairy grama, galleta, sideoats grama, needleand thread, New Mexico feathergrass, black grama, brush muhly, bottlebrush squirreltail, New Mexico muhly, threeawn, wolftail, sand dropseed, little bluestem, sacahuista, yucca, fourwing saltbush, winterfat, broom snakeweed, oak, skunkbush sumac, oneseed juniper, and piñon.

Foothills

13B. Soils shallow to deep alluvium. Gravelly or very gravelly loam to sandy loam. Vegetation includes threeawn, sideoats grama, black grama, blue grama, hairy grama, sedges, needleandthread, New Mexico feathergrass galleta, sand dropseed, Bigelow's sagebrush, mountainmahogany, ephedra, broom snakeweed, oak, soapweed yucca, and choilla.

Gravelly Hills

14A. Shallow over igneous rock Go to 15

14B. Shallow over limestone Go to 16

14C. Shallow over sandstone Go to 17

14 D. Shallow over shale Go to 18

15. Shallow over acid igneous bedrock. Parent material is colluvium. Vegetation includes blue grama, muhly, little bluestem, needlegrasses, black grama, bottlebrush squirreltail, dropseed, fescues, western wheat, galleta, slim tridens, juniper, winterfat, mountain mahogany, oak, bitterbrush, and winterfat.

Hills

16. Shallow over limestone. Vegetation includes New Mexico feathergrass, black grama, blue grama, sideoats grama, little bluestem, muhly, western wheatgrass, junegrass, threeawns galleta, slim tridens, juniper, winterfat, mountain mahogany, oak, bitterbrush, and skunkbush sumac.

Limestone Hills

17. Shallow over sandstone. Vegetation includes sideoats grama, blue grama, little bluestem, mountain muhly, dropseeds, fescues, Indian ricegrass, needlegrass, muttongrass, junegrass, squirreltail, galleta, piñon, juniper, skunkbush sumac, oak, mountain mahogany, and winterfat.

Sandstone Hills

18. Soils formed in place from shale. Soils deep with stony loam texture. Vegetation includes alkali sacaton, galleta, blue grama, black grama, sideoats grama, cane bluestem, silver bluestem, juniper, piñon, sacahuista, fourwing saltbush, and broom snakeweed.

Shale Hills