

# Major Land Resource Area 048B

## Southern Rocky Mountain Parks and Valleys

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### Ecological site keys

#### MLRA 48B Ecological Site Key

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- 1a. Site receives extra water beyond normal precipitation through high water table, riparian area, or run-in water.
  - 2a. Site is influenced by salts.
    - 3a. Soils are > 60" deep, surface textures are loam and fine sandy loam, subsurface fine textured, water table 20-30" (March-September). ... R048BY221CO – Dry Salt Flat
    - 3b. Not as above.
      - 4a. Soils are > 60" deep, water table 0-10" (April-August only), fine textures soils. ... R048BY224CO – Dry Salt Playa
      - 4b. Not as above.
        - 5a. Soils are > 60" deep, water table 20-60", surface textures clay loam or silty clay loam, fine textures subsurface soils. ... R048BY265CO – Salt Meadow
        - 5b. Not as above. Unclassified.
  - 2b. Site not influenced by salts.
    - 6a. Precipitation zone is 16-20", water table is 0-24". ... R048BY241CO – Mountain Meadow
    - 6b. Not as above.
      - 7a. Precipitation is 12-16", water table is 12-20". ... R048BY268CO – Dry Flood Plain Step
      - 7b. Not as Above.
        - 8a. Precipitation is 12-16"; water table is below 60", site is in a run-in position and receives extra water during precipitation events. ... R048BY280CO – Dry Mountain Swale
        - 8b. Not as above. Unclassified.
- 1b. Site receives no extra water beyond normal precipitation.
  - 9a. Site receives 9-12" annual precipitation - Semidesert Climate Zone
    - 10a. Site is influenced by salts, soil depth 60+" with fine textured subsurface. ... R048BY261CO – Salt Flats
    - 10b. Not as above.
      - 11a. Soil depth 20-40", fine-loamy soils with sandy loam or sandy clay loam textures. ... R048BY270CO – Valley Bench
      - 11b. Not as above. Unclassified.
  - 9b. Site receives 12-16" annual precipitation - Dry Mountain/Dry Climate Zone
    - 12a. Soils are < 20" in depth, loamy/loamy skeletal in texture. ... R048BY232CO – Dry Shallow Loam
    - 12b. Soils are ≥ 20" in depth.
      - 13a. Sandy, sandy-skeletal family soils, soils > 60". ... R048BY272CO – Sandy Bench
      - 13b. Not as above.
        - 14a. Soils are fine or clayey-skeletal family.
          - 15a. Soils are clayey-skeletal family; > 40" in depth; surface texture very gravelly, gravelly or very cobbly loam or very sandy loam. ...
          - 15b. Not as above.

16a. Fine family soils, 20-60+" in depth; surface texture loam or clay; found on hills, ridges, alluvial fans and terraces. ... R048BY296CO – Claypan

16b. Not as above. Unclassified. Refer to MLRA 48A Key for Colorado.

14b. Not as above.

17a. Fine loamy family soils.

18a. Loamy-skeletal family soils;  $\geq 30\%$  slope;  $\geq 40$  inches deep; soil surface texture sandy loam or very cobbly sandy loam; located in South Park. ... R048BY227CO – Dry Loamy Slopes

18b. Not as above.

19a. Fine-loamy family soils, greater than 20" deep, soil surface loam or sandy loam; South Park only. ... R048BY225CO – Mountain Loam 10-16 PZ South Park

19b. Not as above.

20a. Fine-loamy family soils, 20-60+" in depth; surface texture loam, located in North & Middle Park. ... R048BY231CO – Dry Mountain Loam

20b. Not as above. Unclassified. Refer to MLRA 48A Key for Colorado.

17b. Not as above.

21a. Loamy-skeletal family soils ( $\geq 35\%$  rock fragments in the control section).

22a. Site is located in South Park.

23a.  $\geq 30\%$  slope,  $\geq 40$ " deep, soil surface texture sandy loam and very cobbly sandy loam. ... R048BY227CO – Dry Loamy Slopes

23b. Not as above.

24a. Surface texture gravelly loam, very cobbly, extremely cobbly or very gravelly sandy loam;  $\geq 20$  inches in depth; occurs on fans and terraces.

24b. Not as above. Unclassified.

22b. Not as above. Unclassified.

21b. Not as above. Unclassified.

10c. Site receives more than 16" annual precipitation - Mountain Climate Zone

25a. Loamy family soils; soils  $\leq 20$  inches in depth. ... R048BY235CO – Dry Exposure

25b. Not as above: Soils  $> 20$ " in depth.

26a. Soils are fine-loamy family.

27a. Fine-Loamy soils  $\geq 60$ " deep; located in South Park. ... R048BY222CO – Loamy Park

27b. Not as above. Unclassified. Refer to MLRA 48A Key for Colorado.

26 Not as above.

28a. Soils are loamy-skeletal family ( $\geq 35\%$  rock fragments in the control section).

29a. Soil surface textures, stony or cobbly loam extremely stony, gravelly or very gravelly sandy loam or very cobbly sandy loam;  $\geq 60$  inches deep; located in North and Middle Park. ... R048BY237CO – Stony Loam

29b. Not as above.

30a. Surface texture gravelly loam, very cobbly, extremely cobbly or very gravelly sandy loam;  $\geq 20$  inches deep; located in South Park. ... R048BY291CO – Loamy Glacial Outwash

30b. Not as above. Unclassified. Refer to MLRA 48A Key for Colorado.

28b. Not as above. Unclassified. Refer to MLRA 48A Key for Colorado.