

# Major Land Resource Area 010X

## Central Rocky and Blue Mountain Foothills

Accessed: 04/28/2024

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### Ecological site keys

#### Pumice Lava Plains LRU

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- I. Site is on a cinder butte. Soils are ash over scoriaceous cinders ... R010XA014OR – Juniper Cinder Hills 10-12 PZ
- II. Not as above
  - A. Sites occurring on north aspect slopes
    - 1 Soil temperature regime is mesic
      - i. Soils are less than 20 inches deep and contain more than 35 percent rock fragments ... R010XA025OR – Juniper Shallow North 10-12 PZ
      - ii. Soils are deeper than 20 inches
        - a. Soils are moderately deep between 20 and 40 inches ... R010XA024OR – Pumice North 8-10 PZ
        - b. Soils are deep between 40 and 60 inches ... R010XA083OR – Juniper Shrubby North 9-12 PZ
    - 2 Soil temperature regime is frigid ... R010XA026OR – Juniper Pumice North 10-12 PZ
  - B. Not as above
    - 1 Sites occurring on south aspect slopes. Soil temperature regime is mesic ... R010XA007OR – Juniper Pumice South 9-12 PZ
    - 2 Not as above or sites that are not influenced by aspect
      - i. Soil temperature regime is mesic
        - a. Soils are very shallow or shallow
          - 1 Soils are volcanic ash/pumice over exposed lava flows and lava blisters or small knolls dispersed across lava plains
            - i) Sites occur in eight to ten inch precipitation zones ... R010XA022OR – Juniper Lava Blisters 8-10 PZ
            - ii) Sites occur in 10 to 12 inch precipitation zones ... R010XA023OR – Juniper Lava Shrubby Blisters 10-12 PZ
          - 2 Not as above ... R010XA018OR – Juniper Shrubby Loam 10-12 PZ
        - b. Soils are moderately deep to deep
          - 1 Soils are loamy with less than thirty-five percent clay and greater than fifteen percent sand
            - i) Particle size class is often coarse loamy to loamy skeletal. Soils have a water holding potential of two to four inches leading to lower annual production and lower western juniper cover than the Juniper Shrubby Loam 10 to 12 precipitation zone sites ... R010XA019OR – Shrubby Loam 8-12 PZ
            - ii) Particle size class is often fine to fine loamy. Soils have a water holding potential of three to six inches leading to higher annual production and higher cover of western juniper compared to Shrubby Loam 8 to 12 precipitation zone sites ... R010XA018OR – Juniper Shrubby Loam 10-12 PZ
          - 2 Soils are sandy with less than eighteen percent clay and soil textures including sand or loamy sand
            - i) Sites occur in areas that receive eight to ten inches of precipitation annually ... R010XA027OR – Juniper Pumice Flat 8-10 PZ

ii) Sites occur in areas that receive ten to twelve inches of precipitation annually ...

R010XA009OR – Juniper Shrubby Pumice Flat 10-12 PZ

ii. Soil temperature regime is frigid

a. Sites with surface fragment cover over 80 percent usually consisting of small channers ...

R010XA675OR – Juniper Hills 8-11 PZ

b. Not as above

1 Sites usually found on gentler slopes associated with plains ... R010XA659OR – Juniper  
Pumice Plains 8-11 PZ

2 Sites occur on steeper slopes associated with hills

i) Sites usually occur below 4600 feet in elevation ... R010XA021OR – Juniper Shallow  
Pumice Hills 10-12 PZ

ii) Sites usually occur above 4600 feet in elevation ... R010XA673OR – Juniper Pumice Hills  
8-11 PZ