

Major Land Resource Area 024X Humboldt Basin and Range Area

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Ecological site keys

MLRA 24

1 landscape dominated by volcanic tablelands, plateaus and dissected plateaus - XD

1' landscape dominated by basin and range topography (Lahonton area)

2 Soils formed in lacustrine influenced alluvium; basin floor, alluvial plain and alluvial flat. - XA

A typical aridic soil moisture

B well, somewhat excessive, or excessively drained

D sandy through out/rapid infiltration

E SAR below 100cm >13 ... R024XY055NV – SANDY 5-8 P.Z.

E' SAR throughout <13 ... R024XY066NV – SODIC DUNES

D' soil not sandy/restricted infiltration

F site experiences ponding (vesicular-platy surface) - 024XY067NV/ 024XY003NV

F' very brief ponding/or no ponding (fsl surface, not vesicular) - 024XY065NV/ 024XY015NV

B' somewhat poorly or poorly drained (water table w/in 100cm of surface) -

024XY008NV/024XY011NV/024XY001OR/024XY112OR

A' aridic-xeric soil moisture

C well, somewhat excessive, or excessively drained

G sandy through out/rapid infiltration - 024XY001NV/ 024XY110OR/ 024XY005OR

G' soil not sandy/restricted infiltration

H strongly sodium effected in surface - 024XY022NV/ 024XY041NV/ 024XY014OR

H' not sodium effected/SAR <2 ... R024XY004OR – DRY FLOODPLAIN 6-10 PZ

C' somewhat poorly or poorly drained

I aquic soil moisture regime (continuous or periodic saturation at or near surface)

J soil characterized by a mollic epipedon

K water table <30cm seasonally ... R024XY043NV – WET MEADOW 6-8 P.Z.

K' water table >30cm seasonally - 024XY063NV/ 024XY064NV

J' soil characterized by an ochric epipedon

L clayey-smectitic PSCS/>35% clay - 024XY010NV/ 024XY044NV

L' soil not as above

M water table 71-100 - 024XY007NV/ 024XY003OR

M' water table 36-100, longer duration of saturation above 50cm - 024XY009NV/
024XY002OR

I' soil not as above (water table 120-150cm) - 024XY006NV/024XY009OR

2' not as above

3 Soils formed in alluvium; piedmont slope, fan remnants, alluvial plain, pediment - XB

A typical aridic moisture regime (<8"PZ)

B silty soil surface texture & throughout - 024XY004NV/ 024XY014NV/ 024XY059NV/ 024XY011OR

B' not as above typically gr-fsl - 024XY002NV/ 024XY015OR

A' aridic-xeric moisture regime (>8"PZ)

C soil shallow

D shallow to a duripan/violently effervescent throughout

D' shallow to a duripan/non-effervescent above the duripan

C' soil not as above

E soil characterized by argillic horizon - 024XY005NV/ 024XY016OR

E' soil not as above

F not skeletal/lfs or lfs surface

G very deep/ no restrictive layer - 024XY017NV/ 024XY018OR/ 024XY012OR

G' mod deep to duripan ... R024XY058NV – SANDY LOAM 8-10 P.Z.

F' skeletal PSCS

3' Soils formed in residuum/colluvium; hills & mountains. - XC

A soils characterized by a mollic epipedon

B mesic soil temp/aridic-xeric or xeric-aridic soil moisture ... R024XY013NV – LOAMY 10-12 P.Z.

B' frigid/cryic soil temp

C argillic horizon present

H soil 50cm or less

I <35% RF in the PSCS/smooth to slightly convex-linear ... R024XY027NV – CLAYPAN 12-16 P.Z.

I' >35% RF in this PSCS

L convex-convex landform shape/found on ridges & shoulders ... R024XY016NV – MOUNTAIN RIDGE

L' linear-linear landform shape/found on backslopes ... F024XY054NV – Pinus monophylla/Artemisia tridentata subsp. vaseyana/Pseudoroegneria spicata

H' soil mod-deep (50-100cm) - 024XY028NV/ 024XY638OR

C' soil not as above

G soils mod-deep or deep (<152cm)

N soils deep (100-152cm), cryic soil temp ... R024XY032NV – LOAMY SLOPE 14+ P.Z.

N' soil not as above

O soil mod deep (50-100cm) ... R024XY042NV – STEEP GRAVELLY LOAM 14+ P.Z.

O' soil shallow (<50cm) ... F024XY049NV – Pinus monophylla-Juniperus osteosperma/Artemisia tridentata subsp. vaseyana/Pseudoroegneria spicata

G' soil very deep (>152), frigid soil temp

J >35% RF in PSCS, lower AWC (less productive) ... R024XY046NV – GRAVELLY NORTH SLOPE

J' <35% RF PSCS, higher AWC (more productive) ... R024XY023NV – NORTH SLOPE 14+ P.Z.

A' soils characterized by a ochric epipedon

D mesic soil temp/typic-aridid soil moisture - 024XY025NV/ 024XY031NV

D' mesic soil temp/aridic-xeric or xeric-aridic soil moisture

F soils 50cm or less

M soil characterized by an argillic horizon

P soil very shallow (<36cm) ... R024XY057NV – CHANNERY HILL

P' soil shallow (36-50cm) - 024XY035NV/ 024XY047NV/ 024XY030OR/ 024XY052NV

M' soil not as above

Q soil very shallow (<36cm) ... R024XY030NV – SHALLOW CALCAREOUS LOAM 8-10 P.Z.

Q' soil shallow to hard bedrock (36-50cm) ... F024XY053NV – Juniperus osteosperma/Artemisia nova/Achnatherum thurberianum-Achnatherum hymenoides

Q" soil shallow to soft bedrock (36-50cm), no secondary carbonates ... R024XY045NV – ERODED SLOPE 6-10 P.Z.

F' soils 50cm or greater

K >35% RF in PSCS (lo-sk) ... R024XY029NV – SOUTH SLOPE 12-16 P.Z.

K' <35% RF in PSCS (fi-lo) ... R024XY021NV – LOAMY SLOPE 12-14 P.Z.

D" frigid/cryic soil temp

E argillic horizon present ... R024XY018NV – CLAYPAN 10-12 P.Z.

E' calcic horizon present ... R024XY031NV – SHALLOW CALCAREOUS LOAM 10-14 P.Z.