

Major Land Resource Area 042C

Central New Mexico Highlands

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Ecological site group keys

Key to the Ecological Site Groups of MLRA 42C

I. Site receives significant additional moisture—either from run-on or throughflow. Site occurs on a floodplain or in a swale or playa bottom.

A. [Criteria] ... GX070C01ESG01 – Run-On

II. Site does not receive significant additional moisture—either from run-on or throughflow. Site does not occur on a floodplain or in a swale or playa bottom.

A. Soils contain visible masses of gypsum in the upper 100 cm.

1 [Criteria] ... GX070C01ESG02 – Gypsum

B. Soils lack visible masses of gypsum in the upper 100 cm.

1 Root-restrictive layer occurs within 50 cm of the soil surface.

i. [Criteria] ... GX070C01ESG03 – Shallow

2 Soils are >50 cm to root-restrictive layer.

i. Soil texture is fine sandy loam or coarser at the surface, and sand percentage is ≥ 50 in all horizons in the upper 100 cm.

a. [Criteria] ... GX070C01ESG04 – Sandy

ii. Soil texture is finer than fine sandy loam at the surface, and/or at least one horizon with <50% sand occurs in the upper 100 cm.

a. Soils meet both of the following criteria: 1) soil at the surface reacts strongly or violently to 1N HCl. 2) $\geq 5\%$ calcareous or carbonate-coated fragments at the surface.

1) [Criteria] ... GX070C01ESG05 – Limy

b. Soils fail to meet one or both of the following criteria: 1) soil at the surface reacts strongly or violently to 1N HCl. 2) $\geq 5\%$ calcareous or carbonate-coated fragments at the surface.

1) [Criteria] ... GX070D01XESG03 – Loamy