Ecological site group GX070A01XESG04
Upland

Last updated: 05/16/2023
Accessed: 05/10/2025

Key Characteristics

- Site does not meet criteria in 1a.
- Soils are > 50 cm to root-restrictive layers.
- All other sites.

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Physiography

This group occurs on various landforms that do not receive significant extra moisture via run-on or throughflow. Included are plateau summits, escarpments, and fan remnants. Excluded are playa bottoms, floodplains, and drainageway bottoms.

Soil features

Soil properties are quite variable. Excluded from this group are soils that are poorly-drained, sandy throughout, and/or shallow to root-restrictive layers.

Major Land Resource Area

MLRA 070A
High Plateaus of the Southwestern Great Plains

Subclasses

- R070AY001NM–Loamy Upland
- R070AY002NM–Clayey Upland
- R070AY007NM–Malpais Upland
- R070AY010NM–Malpais Breaks

Correlated Map Unit Components

22706307, 22706313, 22706381, 22706441, 22706013, 22706016, 22706019, 22706031, 22706421, 22706484, 22706065, 22706069, 22706073, 22706077, 22706082, 23063358, 23063219, 23063220, 23062775, 23062918, 23063215, 23063344, 23063055, 23063370, 23062909, 23062908, 23063128, 23063317, 23063071, 23062761, 23062794, 23062893, 23062769, 23062950, 23063312, 23062814, 23062813, 23062763, 23063095, 23063094, 23062765, 23063273, 23062963, 23062961, 23062827, 23062826, 23063341, 23062901, 23063333, 23063183, 23063181, 23062787, 23062845, 23062848, 23062875, 23063298, 23063082, 23063303, 23063166, 23062931, 23063235, 23063168, 23063385, 23063381, 23063029, 23063001, 23063328, 23063329, 23005381, 23005380, 23005370, 23005377, 23005420, 23005442, 23005443, 23005421, 23005427, 23005433, 23005429, 23005431, 23005459, 23005463, 23005464, 23005468, 23005469, 23005500, 23005568, 23005571, 23005606, 23005581, 23005589, 23005622, 23005623, 23005630, 23005679, 23005698, 23005701, 23005710, 23005717, 23005711, 23005723, 23005744, 23005749, 23005746, 22977149, 22977144, 22977172, 22977216, 22977233, 22977232, 22977237, 22977241, 22977244, 22977245, 22977247, 22977264, 22977265, 22977269, 22977270, 22976554, 22976607, 22976681, 22913421, 22913366, 23191744, 23191745, 23191768, 23191767, 23191780, 23191792, 23192021, 23192020, 23191803, 23191859, 23191840, 23191842, 23191848, 23191846, 23191875, 23191882,

23191909, 23191898, 23191904, 23191903, 23192037, 23174651, 23174650, 23174661, 23174670, 23174665, 23174689, 23174727, 23174726, 23174728, 23174739, 23174740, 23174745, 23174904, 23174932, 23174981, 23174957, 23174964, 23174963, 23174977, 23174979, 23175027, 23175031, 23175014, 23175013, 23175066, 23175071, 23174629, 23175090, 22974604, 22974603, 22974676, 22974703, 22974681, 22974691, 22974738, 22974767, 22974779, 22974775, 22974781, 22974780, 22974809, 22974791, 22974787, 22974800, 22974801, 22974799, 22974879, 22974898, 22974906, 22974919, 22974916, 22974925, 22974944, 22974945, 22974946, 22975019, 22975023, 22975024, 22975025, 22975030, 22975041, 22975045, 22975053, 22980006, 22980003, 22980014, 22980019, 22980023, 22980027, 22980030, 22980029, 22980034, 22980040, 22968209, 22968264, 22968266, 22968265, 22968272, 22968311, 22968312, 22968388, 22968390, 22968397, 22968402, 22968467, 22968440, 22968489, 23186800, 23186264, 23186269, 23186503, 23186504, 23186685, 23187051, 23187052, 23185980, 23185985, 23187257, 23187256, 23187290, 23187289, 23187378, 23187380, 23187383, 23187469, 23187607, 23186704, 23186715, 23186711, 23186749, 23186748, 23186756, 23186770, 23186688, 23186695, 23186693, 23186721, 23187677, 23186783, 23187796, 23187795, 22980702, 22980703, 22981405, 22981406, 22980784, 22981409, 22651921, 22652095, 22651925, 22651762, 22651765, 22651932, 22280248

Stage

Provisional

Contributors

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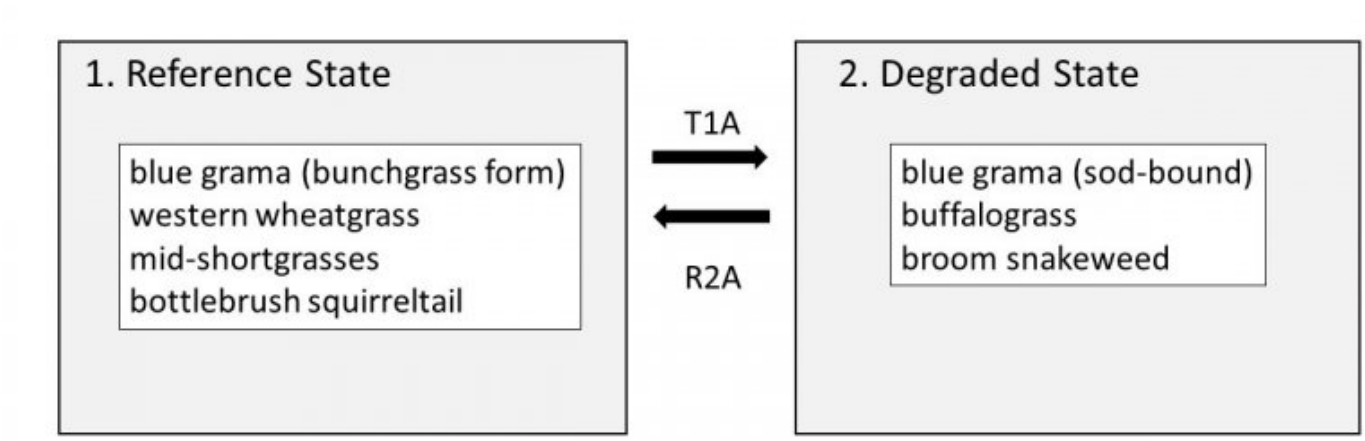
State and transition model



State 1
Reference State

This state is characterized by plant communities in which highly palatable plants such as western wheatgrass are well-represented. Topsoil remains intact, and blue grama is in bunchgrass form (rather than sod-bound).

State 2

Degraded State

In this state, highly palatable plants such as western wheatgrass are poorly-represented or absent. Blue grama is sod-bound, and often codominant to buffalograss. Broom snakeweed is often a major component. Topsoils are typically degraded, and may be absent.

Transition T1A
State 1 to 2

This transition results from a prolonged period of season-long grazing providing little rest and recovery for preferred grazed plants during critical growing periods, coupled with high utilization. This reduces or eliminates species such as western wheatgrass. Blue grama adapts by assuming a sod-bound growth form.

Restoration pathway R2A
State 2 to 1

This pathway will necessarily involve a prolonged period of prescribed grazing. In cases where State 1 species have been extirpated, restoration may involve seeding. Where topsoils are highly eroded, full restoration cannot be expected in a human lifetime.

Citations