

Appendix 2.

**Ecological Reference Worksheet**

**Author(s) / participant(s):** Chavez, Garcia, Miller, Rollins

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**Reference site used? Yes/No**

**Date:** 6/2/2004 **MLRA:** 77B **Ecological Site:** Loamy This *must* be verified based on soils and climate (see Ecological Site Description). Current plant community *cannot* be used to identify the ecological site.

**Indicators:** For each indicator, describe the potential for the site. Where possible, (1) use numbers, (2) include expected range of values for above and below average years for **each** community within the reference state, when appropriate & (3) site data. Continue description on separate sheet.

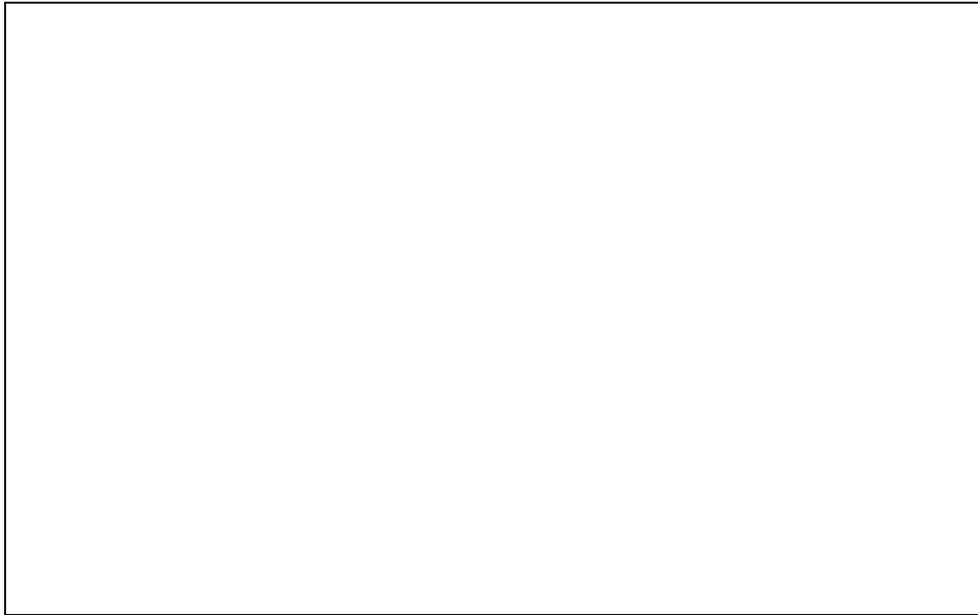
<b>1. Number and extent of rills :</b>	None
<b>2. Presence of water flow patterns:</b>	None - If present < 1 meter and stable.
<b>3. Number and height of erosional pedestals or terracettes:</b>	None - Very few if present
<b>4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground) :</b>	28% from ecological site description.
<b>5. Number of gullies and erosion associated with gullies:</b>	None
<b>6. Extent of wind scoured, blowouts and/or depositional areas:</b>	None
<b>7. Amount of litter movement (describe size and distance expected to travel) :</b>	Fine litter will move with water & wind during extreme events.
<b>8. Soil surface (top few mm) resistance to erosion (stability) values are averages - most sites will show a range of values for both plant canopy and interspaces, if different) :</b>	Soil organic matter, biotic crust and soil characteristics provide for a moderately stable soil surface.
<b>9. Soil surface structures and SOM content (include type and strength of structure, and A-horizon color and thickness for both plant canopy and interspaces, if different) :</b>	3 to 6 inches brown loam, weak very fine, sub-angular blocky.
<b>10. Effect of plant community composition (relative proportion of different functional groups) &amp; spatial distribution on infiltration &amp; runoff:</b>	During high intensity events runoff will occur due to moderately slow infiltration, high root mass and short grass.
<b>11. Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction of)</b>	None
<b>12. Functional/Structural Groups (list in order of descending dominance by above-ground weight using symbols: indicate much greater than (&gt;&gt;), greater than (&gt;), and equal to (=) :</b>	Short grass>mid warm grass>mid-warm bunch>mid cool>tall warm>forbs>shrubs.
<b>13. Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence) :</b>	
<b>14. Average percent litter cover ( 20 % ) and depth ( &gt;25 inches).</b>	
<b>15. Expected annual production (this is TOTAL above-ground production, not just forage production)</b>	700 to 1,600 pounds/ac.
<b>16. Potential invasive (including noxious) species (native and non-native). List species which characterize degraded states and which, after a threshold is crossed, "can, and often do, continue to increase regardless of the management of the site and may eventually dominate</b>	None
<b>17. Perennial plant reproductive capability :</b>	All species should be capable of reproducing.

**Photograph (s)**

**MLRA** :

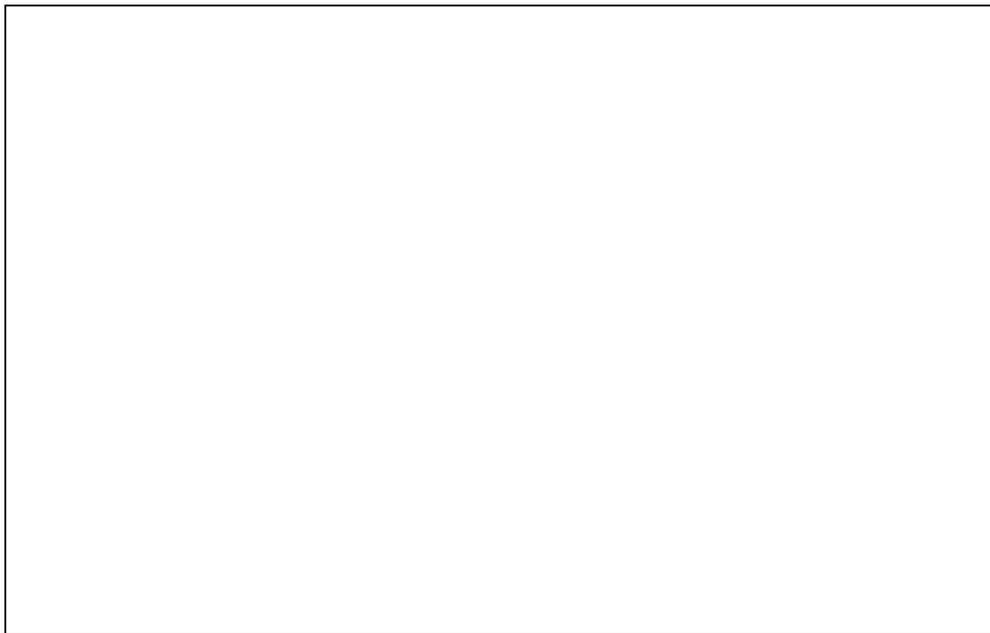
**Date** :

**Ecological Site** :



**Photo # 1**

**Comments** :



**Photo # 2**

**Comments** :

