

Appendix 2.

Ecological Reference Worksheet

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Contact for lead author : Chavez Reference site used? Yes/No No

Date: 6/2/2004 MLRA: 77B Ecological Site: Sandy Loam 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 <u>each</u> community within the reference state, when appropriate & (3) site data. Continue description on separate sheet.	Indicator Weight
1. Number and extent of rills: Few very small & short on steeper slopes only.	1
2. Presence of water flow patterns: Few < one meter not connected	1
3. Number and height of erosional pedestals or terracettes: Few if any possibly wind caused.	1
4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground) : 30% from ecological site.	1
5. Number of gullies and erosion associated with gullies: None	1
6. Extent of wind scoured, blowouts and/or depositional areas: Minimal	1
7. Amount of litter movement (describe size and distance expected to travel) : Very little litter movement < one meter by water	1
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) : Moderate resistance to erosion due to loamy texture, organic matter and biotic crust.	0.5
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) : 0 - 3 inches brown fine sandy loam, weak fine sub angular blocky.	0.5
10. Effect of plant community composition (relative proportion of different functional groups) & spatial distribution on infiltration & runoff: Intake rate is medium to high. 60% plus cover.	1
11. Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction of) None - Argillic horizon at 2 -3 inches.	1
12. Functional/Structural Groups (list in order of descending dominance by above-ground weight using symbols: indicate much greater than (>>), greater than (>), and equal to (=) : Short warm season grasses>mid warm season grasses>cool season grasses>warm season bunchgrasses>shrubs>forbs.	2
13. Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence) : Very little plant mortality and decadence. Mid warm season bunch grasses may exhibit some depending on recent disturbances.	1
14. Average percent litter cover (30 %) and depth (.5-1 inches).	1
15. Expected annual production (this is <u>TOTAL</u> above-ground production, not just forage production) 800 to 1,600 lbs/ac.	1
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 None	1
17. Perennial plant reproductive capability : All species should be capable of reproducing.	1

Photograph (s)

MLRA :

Date :

Ecological Site :

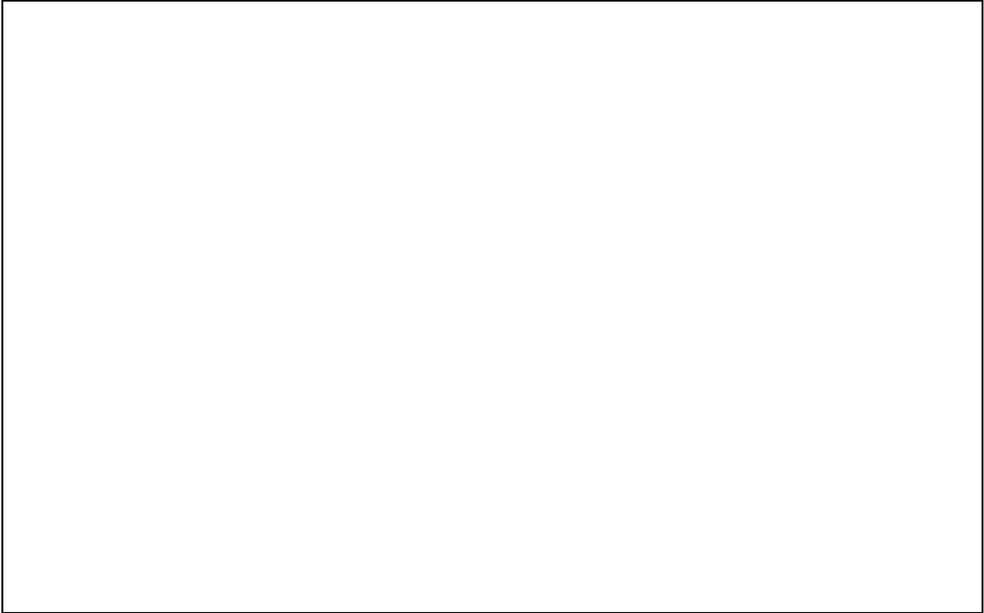


Photo # 1

Comments :



Photo # 2

Comments :

