Author(s)/participant(s): Siddoway/Bandy

Contact for lead author: Great Falls Area Office, Great Falls, MT Reference site used? No

Date: <u>04/19/2005</u> MLRA: <u>52XN</u> <u>Ecological Site: Shallow 10-14" p.z.</u> This *must* be verified based on soils and climate (see Ecological Site Description). Current plant community *cannot* be used to identify the ecological site.

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), and (3) cite data.	W/~4
Continue descriptions on separate sheet if needed. Weight factors are either 0.5, 1.0 or 2.0. The default factor is 1.0. A	Wgt.
maximum of 8 indicators may be changed to 0.5 or 2.0. The rest remain at 1.0.	Factor
1. Number and extent of rills: Slopes most common on this site are between 0–45% and with at least 90% of the soil surface	1.0
well-covered, rills, if evident will be rare, but may occur in bare areas after extreme convection storms – rills in this case would be	1.0
narrow and less than 10 feet in length.	
2. Presence of water flow patterns: Will be evident on this site with the steeper slopes, and with areas of bare ground, there	1.0
may be areas which show accumulations of litter due to water movement, even after minor storm events.	
3. Number and height of erosional pedestals or terracettes: Wind erosion will be rare on this site, but water erosion on the	1.0
steeper slopes may have plants that could have pedestals and terracettes which could be 0.5 inch in height at the top of the slope	200
and 1.0 inch towards the bottom of the slope.	
4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are <i>not</i> bare	1.0
ground): Bare ground should be 10% or less on this site.	
5. Number of gullies and erosion associated with gullies: Current gully erosion will not be evident on this site, but there may	1.0
be gullies which have "healed" from the distant past.	1.0
6. Extent of wind scoured, blowouts and/or depositional areas: Appearance or evidence of these erosional features on the	1.0
landscape would not be present on this site.	1.0
1	1.0
7. Amount of litter movement (describe size and distance expected to travel): Litter movement will be minimal on the	1.0
gradual slopes, however on the steeper slopes there will be evidence of litter movement (i.e. debris dams) which may travel up to 10 feet.	
	1.0
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): Resistance to erosion will be high with soil stability values of 5 or 6; areas of	1.0
bare soil on this site may have values less than 5 if not under plant canopy.	
9. Soil surface structure and SOM content (include type and strength of structure, and A-horizon color and thickness for	1.0
	1.0
both plant canopy and interspaces, if different): Soil surface structure is granular; A horizon depth is $1-3$ ".	1.0
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