

## Ecological site R007XY015OR Shallow Loam 8-10 PZ

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## Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

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Approved by	Bob Gillaspy			
Approval date				
Composition (Indicators 10 and 12) based on	Annual Production			

## **Indicators**

1.	Number and extent of rills: None, slight sheet & rill erosion hazard						
2.	Presence of water flow patterns: Few, in interspaces						
3.	Number and height of erosional pedestals or terracettes: None to few						
4.	Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground): 2-10%						
5.	Number of gullies and erosion associated with gullies: None						
6.	Extent of wind scoured, blowouts and/or depositional areas: None, slight wind erosion hazard						
7.	Amount of litter movement (describe size and distance expected to travel): Fine - limited to moderate movement						

9.	Soil surface structure and SOM content (include type of structure and A-horizon color and thickness): Shallow loams, gravelly loams, or very fine sandy loams, low OM (1%)					
10.	Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff: Moderately limited ground cover (25-50%) and slopes (0-20%) should slightly limit rainfall impact and overland flow; slightly increased flow possible on steeper slopes (up to 20%)					
11.	Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site): None					
12.	Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):					
	Dominant: Bluebunch wheatgrass > sandberg bluegrass > Needle and thread > Thurber needlegrass = Wyoming big sagebrush > dominant forbs > other forbs = Gray rabbitbrush = other shrubs					
	Sub-dominant:					
	Other:					
	Additional:					
13.	Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence): Normal decadence and mortality expected					
14.	decadence): Normal decadence and mortality expected					

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