

Ecological site R010XY031ID South Slope Sandy 12-16 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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Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1.	Number and extent of rills: Rills do not usually occur on this site due to surface texture
2.	Presence of water flow patterns: Water-flow patterns can occur on this site due to moderate to steep slopes. They usually occur during high intensity convection storms. They are disrupted by large bunchgrasses and shrubs. They are not extensive.
3.	Number and height of erosional pedestals or terracettes: Pedestals do not occur. A few terracettes can occur where water flow patterns are present. They are not extensive
4.	Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground): Ranges from 10-20%

6. Extent of wind scoured, blowouts and/or depositional areas: Scouring and blowouts can occur on this site

5. Number of gullies and erosion associated with gullies: Gullies do not occur on this site

ze and distance expected to travel): Fine litter in the interspaces may move at run-off event or even further from wind. Terracettes can trap fine litter. The erosion (stability values are averages - most sites will show a range of the tructure and A-horizon color and thickness): no data the transpaces of the erosion of different functional groups and spatial sunchgrasses, especially deep-rooted perennials, slow run-off and increase interspaces. Terracettes provide a favorable micro-site for vegetative tration. Layer (usually none; describe soil profile features which may be
t (include type of structure and A-horizon color and thickness): no data In (relative proportion of different functional groups) and spatial sunchgrasses, especially deep-rooted perennials, slow run-off and increase interspaces. Terracettes provide a favorable micro-site for vegetative tration.
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Not present
der of descending dominance by above-ground annual-production or live ndicate much greater than, greater than, and equal to):
nial bunchgrasses>>
ce (include which functional groups are expected to show mortality or telope bitterbrush will become decadent in the absence of fire and ungulate r as tall shrubs increase
pth (in): Annual litter cover in the interspaces will be 5-10 percent to a depth
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low infiltration, steep south aspect and moderate water capacity. Perennial grasses produce 55-65 percent of the total,

16.	Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize
	degraded states and have the potential to become a dominant or co-dominant species on the ecological site if
	their future establishment and growth is not actively controlled by management interventions. Species that
	become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not
	invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state
	for the ecological site: includes cheatgrass, bulbous bluegrass, rush skeletonweed, scotch thistle, and spotted and
	diffuse knapweed

17.	Perennial	plant re	eproductive c	apability:	all functional	groups have the	ne potential t	o reproduce in n	ormal years.