Table 2. Key quantitative indicators and measurements relevant to each of the three attributes. Because an appropriate quantitative indicator does not exist for each qualitative indicator, we recommend focusing on selecting the best possible indicators (qualitative and quantitative) for each attribute (for indicator-specific comparisons, please see Appendix 6. References: (1) USDA 1997; (2) Elzinga et al. 1998; and (3) Herrick et al. 2005.

Attribute	Qualitative Assessment Indicators	Key Quantitative Assessment Indicators	Selected Measurements and References
Soil/Site Stability	• Rills • Water flow patterns • Pedestals and/or terracettes • Bare ground • Gullies • Wind-scoured, blowout, and/or depositional areas • Litter movement • Soil surface resistance to erosion • Soil surface loss or degradation • Compaction layer	Bare ground	Line point intercept (2, 3) Point frame (2)
		Proportion of soil surface covered by canopy gaps longer than a defined minimum	Canopy gap intercept (3) Continuous line intercept (2)
		Proportion of soil surface covered by basal gaps longer than a defined minimum	Basal gap intercept (3) Continuous line intercept (2)
		Soil macro-aggregate stability in water	Soil stability kit (3)
Hydrologic Function	• Rills • Water flow patterns • Pedestals and/or terracettes • Bare ground • Gullies • Soil surface resistance to erosion • Soil surface loss or degradation • Plant community composition and distribution relative to infiltration and runoff • Compaction layer • Litter amount	Bare ground	Line point intercept (2, 3) Point frame (2)
		Proportion of soil surface covered by canopy gaps longer than a defined minimum	Canopy gap intercept (3) Continuous line intercept (2)
		Proportion of soil surface covered by basal gaps longer than a defined minimum	Basal gap intercept (3) Continuous line intercept (2)
		Soil macro-aggregate stability in water	Soil stability kit (3)
Biotic Integrity	• Soil surface resistance to erosion • Soil surface loss or degradation • Compaction layer • Functional/structural groups • Plant mortality/decadence • Litter amount • Annual production • Invasive plants • Reproductive capability of perennial plants	Soil macro-aggregate stability in water	Soil stability kit (3)
		Plant canopy (foliar) cover by functional group	Line point intercept (2, 3) Point frame (2)
		Plant basal cover by functional group	Line point intercept (2, 3) Point frame (2)
		Litter cover	Line point intercept (1, 3) Point frame (2)
		Plant production by functional group	Harvest (1) Double sampling (1)
		Invasive plant cover	Line point intercept (1, 3)
		Invasive plant density	Belt transect (2, 3) Quadrats (2)