



# CORE INDICATORS

## **I. Conservation & maintenance of soil and water resources**

### *Soil-based*

1. Area and percent of rangeland soils with significantly diminished organic matter and/or high Carbon:Nitrogen (C:N) ratio.
4. Area and percent of rangeland with a significant change in extent of bare ground.
5. Area and percent of rangeland with accelerated soil erosion by water or wind.

### *Water-based*

6. Percent of water bodies in rangeland areas with significant changes in natural biotic assemblage composition.
7. Percent of surface water on rangeland areas with significant deterioration of their chemical, physical, and biological properties from acceptable levels.
9. Changes in the frequency and duration of surface noflow periods in rangeland streams.

## **II. Maintenance and conservation of plant and animal resources on rangelands**

12. Rangeland area by plant community.
14. Fragmentation of rangeland and rangeland plant communities.
17. Extent and condition of riparian systems.
18. Area of infestation and presence/absence of invasive and other non-native plant species of concern.
20. Population status and geographic range of rangeland dependent species.

## **III. Maintenance of productive capacity on rangelands**

21. Rangeland aboveground phytomass.
23. Number of domestic livestock on rangeland.

## **IV. Maintenance and Enhancement of Multiple Economic and Social Benefits to Current and Future Generations**

27. Value of forage harvested from rangeland by livestock.
32. Rate of return on investment for range livestock enterprises.
33. Area of rangelands under conservation ownership or control by conservation organizations.
39. Index of social structure quality.
43. Sources of income and level of dependence on livestock production for household income.
44. Employment diversity.
47. Value produced by agriculture and recreation industries as percent of total.
48. Employment, unemployment, underemployment, and discouraged workers by industrial sector.
49. Land tenure, land use, and ownership patterns by size classes.
50. Population pyramid and population change.

## **V. Legal, institutional and economic framework for rangeland conservation and sustainable management**

59. Professional Education and Technical Assistance. Extent to which laws, regulations, and guidelines, institutions, and organizations provide for professional education and the distribution of technical information and financial.
60. Land Management. Extent to which land management programs and practices support the conservation and sustainable management of rangelands.
63. Measuring and Monitoring. Extent to which agencies, institutions and organizations devote resources to measuring and monitoring changes in the condition of rangelands.
64. Research and Development. Nature and extent of research and development programs that affect the conservation and sustainable management of rangelands.