

**64 indicators have been identified by the Sustainable Rangelands Roundtable (SRR) to form a framework for standardized periodic monitoring and reporting on rangeland sustainability at local, regional, and national scales, as well as to provide a common language for stakeholder dialogue and to consistently communicate rangeland issues to the general public.**



**Benefits of Indicator-based Monitoring for Rangeland Managers and Stakeholders:**

- ❖ Clear depiction of rangeland management performance
- ❖ Facilitation of local, regional, and national comparisons using common assessments
- ❖ Enhancement of interagency cooperation and collaboration
- ❖ Identification of research methods to address indicator data gaps
- ❖ Enhancement of resources and funding allocations
- ❖ Provision of a basis for stakeholder dialogue
- ❖ Expansion of public awareness and understanding of rangeland sustainability issues



**Conservation & Maintenance of Soil & Water Resources on Rangelands – 10 indicators**  
**Conservation & Maintenance of Plant & Animal Resources on Rangelands – 10 indicators**  
**Maintenance of Productive Capacity of Rangeland Ecosystems – 6 indicators**  
**Maintenance and Enhancement of Multiple Economic & Social Benefits to Current & Future Generations – 28 indicators**  
**Legal, Institutional, and Economic Framework for Rangeland Conservation and Sustainable Management – 10 indicators**



**Human activities have shifted the season, intensity and frequency of fire.**

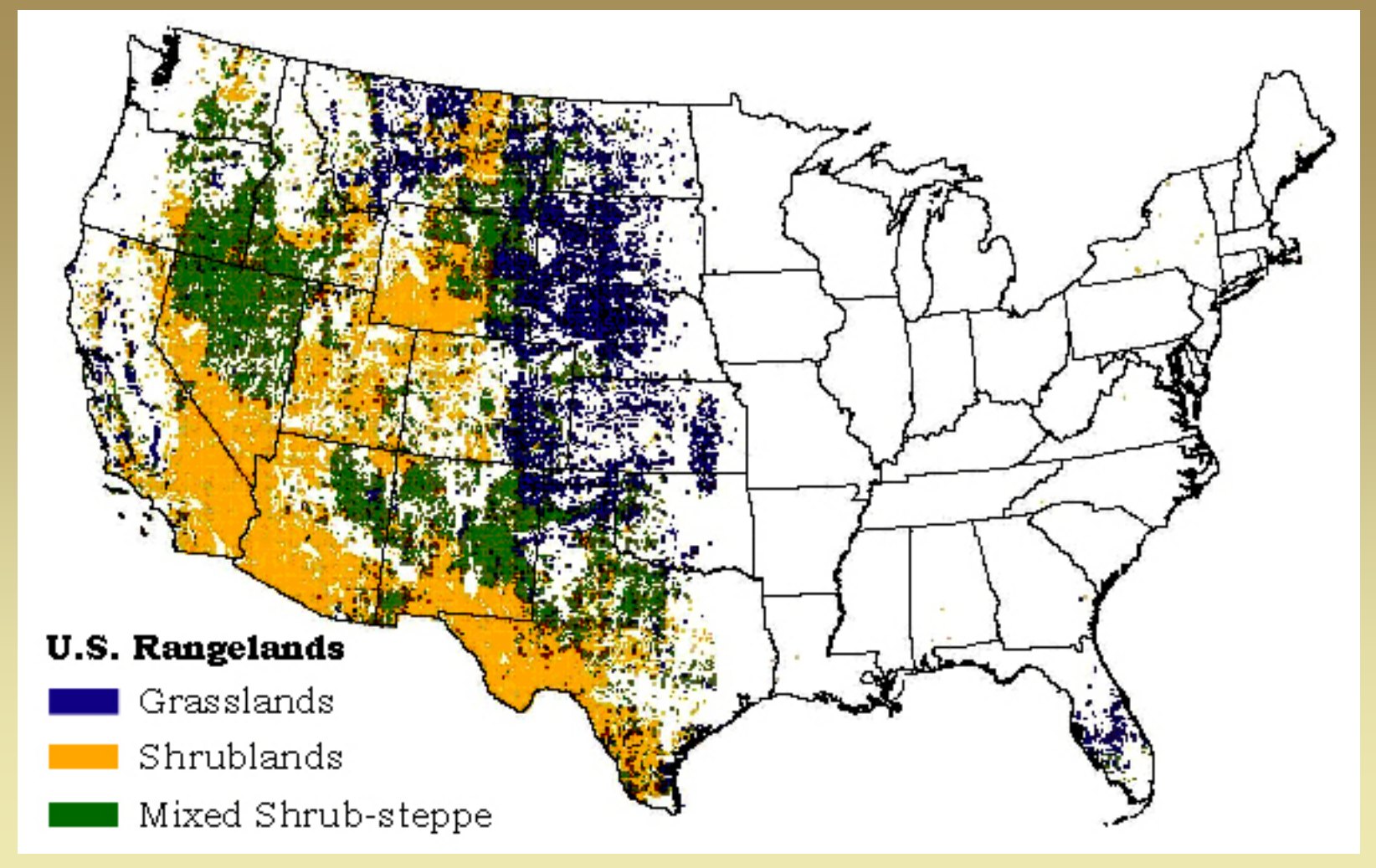
Fire monitoring is critical for understanding interactions of fire, grazing, invasive plants, soils and impacts on ecosystems. SRR indicators useful in assessing fire on rangelands include:

- ❖ Annual productivity
- ❖ Area and level of infestations by invasive plants
- ❖ Distribution of species & communities of concern
- ❖ Status of rangeland-dependent species
- ❖ Areas of rangeland with accelerated erosion
- ❖ Change in extent of bare ground



**The Sustainable Rangelands Roundtable is:**

- ❖ A collaborative partnership of over 50 organizations with more than 100 participants including rangeland scientists and managers, sociologists, economists, legal experts, environmental advocates and industry representatives
- ❖ Funded by USDA Forest Service and Agricultural Research Service, USDI Bureau of Land Management and U.S. Geological Survey, and Colorado State University



**Sustainable Rangelands Roundtable Future Efforts :**

- ❖ Indicator revision and refinement
- ❖ Data set identification and analysis
- ❖ Continued stakeholder review and comment
- ❖ Outreach and education
- ❖ Inter agency and organizational coordination
- ❖ Development of research protocols

<http://SustainableRangelands.cnr.colostate.edu>