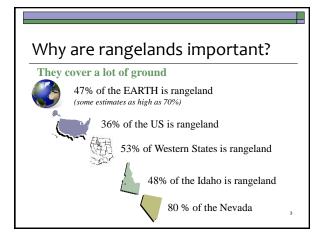
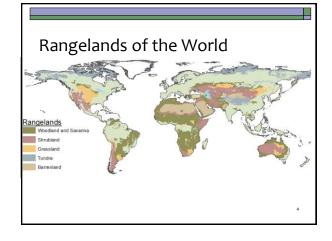
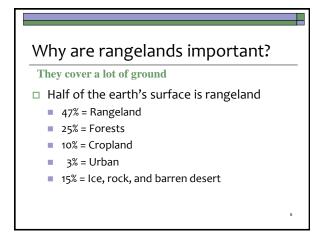


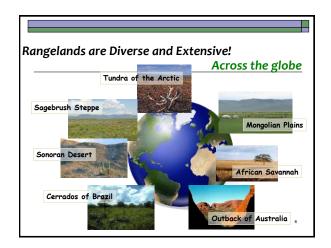
CSS 235 presentation by Professor Karen Launchbaugh

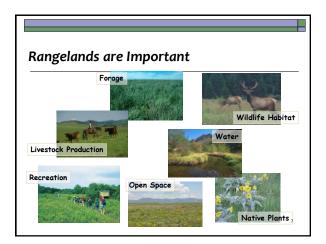
# What are Rangelands? □ Rangelands **are** shrublands, grasslands, deserts, woodlands, and open forest. □ Several factors can preclude farming or timber production on these: Limited precipitation Sandy, saline, or wet soils Steep topography н. Rocks

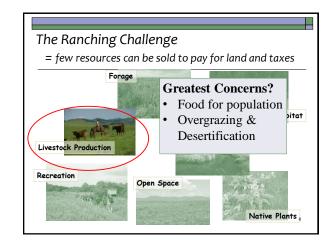






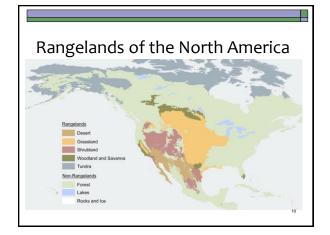




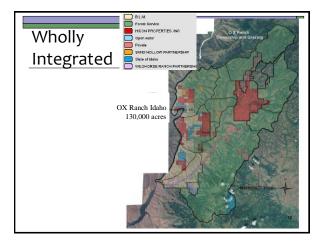


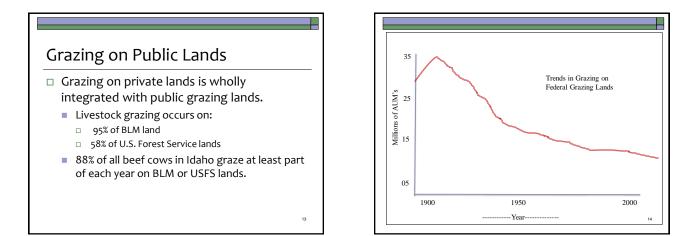
# What are Rangelands?

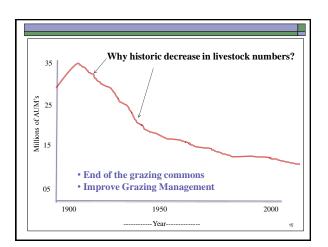
- Rangelands are a kind of land not a specific land use.
- □ Grazing is Inherently Tied to Rangelands
  - Grazing as an important ecological process in all rangeland, but <u>not all</u> rangelands are grazed by livestock.
  - Grazing of domestic livestock affects more of the land surface than any other human activity.

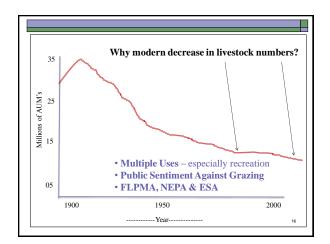


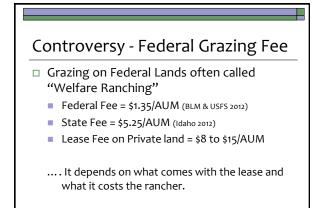




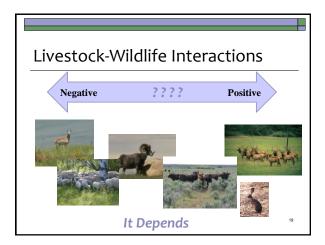








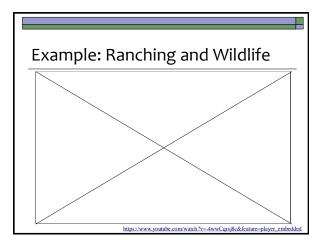
Federal Grazin (1992, Idaho, Wyoming, New M	•	•		
Lease Fee	9.06	1.35	1.35	
Lost Animals	2.10	3.65		
Moving Livestock	1.93	3.35		
Herding	2.94	4.31		
Imprv. Maintenance	1.84	3.18		
Other	2.52	3.66		
Total	\$20.39	\$19.50		
Difference	\$0.89			



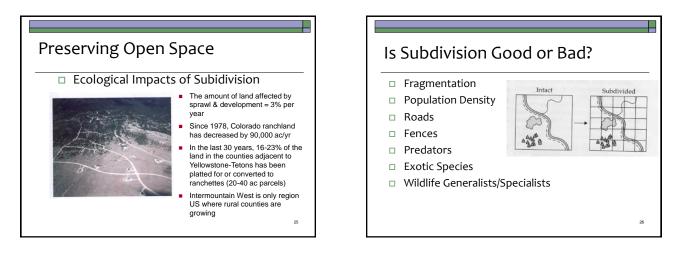
# **Properly Managed Grazing**

- □ Create patchy habitat with high structural diversity.
- Open up dense vegetation canopies
- Reduce coarse grass & improve quality
- Stimulate browse production by reducing grass biomass
- $\hfill\square$  Use livestock to manage weeds and fire risk
- Create bare ground for feeding, dusting, and display areas

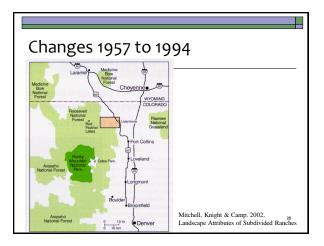
### "Irresponsible Grazing" A few examples □ Reduce nest sites for upland game birds & □ Cattle --- Mountain Plovers & Dove wildlife □ Cattle & Sheep -- Sage-Grouse □ Trample nests Reduce fuels – increase insects & forbs Disturb big game during fawning Reduce cover and □ Reduce wildlife hiding cover □ Cattle -- Elk & Deer Fall Forage Quality □ Reduce forage for ungulates □ Reduce floral diversity □ Sheep & Goats - Reduce dense brush □ Attract predators, parasites, or disease

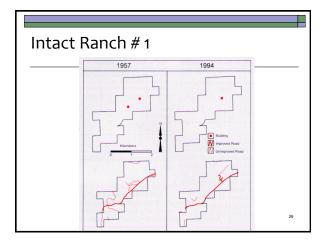


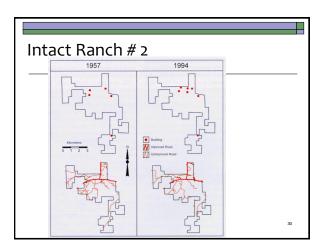
# Wild Horses Horse populations growing at 15-20% a year. Major limiting factor is food (no predators). 1971, Wild Free-Roaming Horses & Burros Act >45,000 animals were in holding facilities Competition with livestock Few options for mgmt.

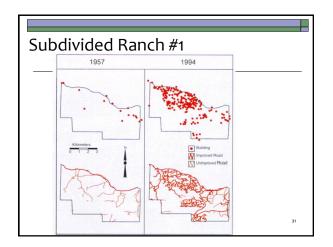


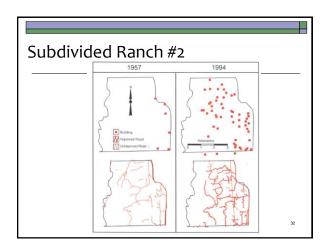




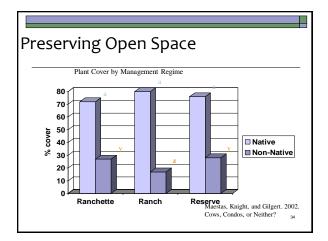








	Road Density (mi./sec.)		No. of Buildings (no./sec.)		No. of Rangeland Patches	
	<u>1957</u>	1994	<u>1957</u>	1994	<u>1957</u>	1994
Intact Ranch	0.84	1.08	0.8	0.5	35	49
Sudivided Ranch	0.41	4.55	0.7	9.5	55	411



Is grazing good or bad for animal and plant communities?

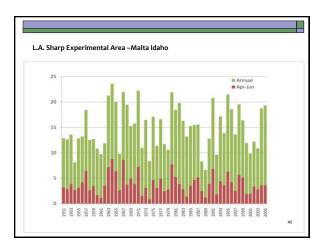
## YES....

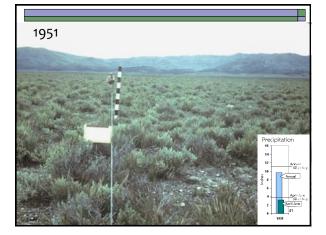
- Mange wildfire
- □ Reduce or promote weeds
- Improve or damage watershed
- Create or destroy wildlife habitat

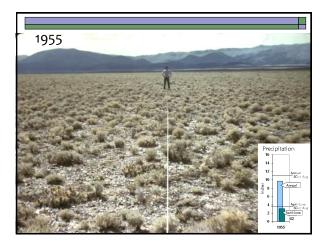












# Background of Photos

Site location in Raft River Valley The following rangeland photo journal charts the changes that have occurred in a shadscale (*Atriplex confertifolia*) stand in southern Idaho starting in1951.

• Photos of the site have been taken annually since 1955, but the selected photos show the dynamic nature of the site.

