

Table 2. Composition, value, use and development of plant species in natural vegetation type or culturally treated area.

Type or treated area (name) Square Butte RCA System (Total Area)

Species	Amount in cover ^{2/}	Forage value				Utilization ave.	Start growth (date)	Development Flow-ering (date)	Seed ripe (date)	Regrowth Leaves -twigs (date)	3/ Flower stalks (date)
		Fl	Gd	Fr	Pr						
Grasses & Grass-like	(percent)	Check one)				(Per'nt)	(date)	(date)	(date)	(date)	(date)
Agropyron smithii	20	x				55	4/15	6/15	7/15	5/15	5/1
Agropyron spicatum	5		x			30	5/1	7/15	8/1	6/1	5/15
Stipa comata	10		x			55	4/15	7/1	7/15	5/15	5/1
Bouteloua gracilis	10			x		40	5/1	6/15	8/1	6/1	5/15
Koeleria cristata	5		x			50	4/15	6/1	7/1	5/15	5/1
Stipa viridula	5	x				55	4/15	7/1	7/15	6/1	6/1
Chenopodium cuspidata	5		x			45	5/1	7/1	7/15	6/15	6/1
Poa secunda	5			x		50	4/1	5/15	7/1	5/15	5/1
Cilamovilfa longifolia	T			x		20	5/1	6/15	7/15	6/1	5/15
Total	65										
Forbs											
Melilotus officinalis	1	x				60	4/1	6/15	7/15	6/1	6/1
Phacelia coccinea	2			x		20	4/1	5/1	6/15	6/1	5/1
Psoralea spp.	1			x		15	4/15	5/15	6/15	6/1	5/15
Thermopsis montana	1			x		30	5/1	6/15	7/15	6/1	5/15
Chicoboodii	2				x	5	4/15	5/15	7/1	6/1	5/1
Lomatium macrocarpum	1			x		10	4/1	5/15	6/15	5/15	5/1
Eriogonum sp.	1				x	10	5/1	7/1	8/1	6/1	6/1
Chillea lanulosa	1			x		20	4/15	6/1	7/1	5/15	5/15
Total	10										
Shrubs and trees ^{1/}											
Artemisia tridentata	10			x		30	4/15	8/15	9/15	7/1	6/15
Artemisia frigida	5				x	10	4/15	8/1	9/1	7/1	6/15
Chrysothamnus viscidiflorus	3			x		20	5/1	7/15	8/15	---	---
Sarcobatus vermiculatus	2				x	10	5/1	---	---	---	---
Rhus trilobata	T		x			50	5/1	---	---	---	---
Chrysothamnus vauseosus	T		x			40	5/1	8/1	9/1	---	---
Yucca spp.	5			x		30	4/15	7/15	8/1	---	---
Symphoricarpos alba	T		x			40	5/1	7/15	9/1	---	---

^{1/} Including conifers

^{2/} For trees and shrubs include estimates only for species that can be changed or removed in a range improvement program.

^{3/} How late in spring can the species be grazed and still produce grazable leaves or seed-producing flower stalks?

Pinus Ponderosa	Overstory	x	0	---	---	---	---	---
Juniperus spp.	Overstory	x	10	---	---	---	---	---
Total			25					
Grand Total			100					

Table 6. Effect of planned cultural treatments on grazing capacity

Vegetation type to be treated	Area	Capacity at present		Artificial reseeding				Effect of cultural treatment (6) minus (4) AUMs (7)
				Capacity 30 yrs. hence due to:				
				Grazing management		Cultural treatment		
(name)	Acres	Ac/AUM (1)	AUMs (2)	Ac/AUM (3)	AUMs (4)	Ac/AUM (5)	AUMs (6)	AUMs (7)
-----	----	None		----		----		----
Total								

Spraying or other treatment

4 Sagebrush	1,230	8	154	7	176	3	410	256
4 Sagebrush	500	8	63	7	71	3	167	96
Total	1,730		217		247		577	352

Square Butte

Season
June 1 - Nov 30
6 months

Treatment

A		462	③	
B			④	627
C			①	
D	650		②	

6 June 7 July 8 Aug 9 Sept 10 Oct 11 Nov

{ June 1 - July 15 } { Nov 1 - 30 }
 flowering seed ripe shrubs

Ave use 40%

① = pasture number

Season Nichols Co. Lee

April 1 - Nov. 30 8 months