

1994 TWIN PEAK ALLOTMENT CARRYING CAPACITY

Livestock Adjustments

From:

Active Preference	Cattle	10,580 AUMs	Sheep	2,850 AUMs
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To:

Active Preference	Cattle	4,050 AUMs	Sheep	1,426 AUMs
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Wild Horse/burro Appropriate Management Levels

From:

North Twin Home Range	390 horses and 58 burros
Skeddale Home Range	89 horses and 22 burros
Dry Rim Home Range	128 horses and 32 burros

To:

North Twin Home Range	176 horses and 43 burros
Skeddale Home Range	33 horses and 8 burros
Dry Rim Home Range	66 horses and 6 burros

Carrying capacities were based upon actual data found in the Environmental Assessment, Wild Horse/Burro Decision and Allotment Evaluation Summary. Wild horse/burro data had to be adjusted to the proportion of the herd area within Twin Peaks Allotment. Adjustment to user was based upon the amount of grazing that contributed to heavy and severe use of all riparian habitats.

The 1993 Agency Stipulation required that carrying capacities be determined by subunit of the Twin Peaks Allotment. All data presented by the BLM are for the two major pastures; therefore, the above computations are believed to be with the best data available. These capacities assume status quo management of livestock and even distribution of wild horse and burros.

TWIN PEAKS

Carrying Capacity Computations

South Pasture

Year	AUMs Cattle	AUMs Sheep	AUMs Horses	AUMs Totals	Measured Util.	Desired Util.	Stocking AUMs
1988	4951	1392	606	6949	80	40	3475
1989							
1990							
1991							
1992	4212	1008	672	5892	80	40	2946
1993	1792	1567	810	4169	80	40	2085
Average	3652	1322	696	5670			2835
Percent	.64	.23	.12				

Allocation of Carrying Capacity to user based upon offending user.

Three Year Average Actual Use = 5670 AUMs
 Three Year Average Carrying Capacity = 2835 AUMs
 Necessary Reduction to meet Carrying Capacity = 2835 AUMs

Proportional reduction by user:

Cattle 2835 X .64 = 1814 AUMs
 Sheep 2835 X .23 = 652 AUMs
 Horse/Burro 2835 X .12 = 340 AUMs

Reduction from three year average actual use by user:

Cattle 3652 AUMs - 1814 AUMs = 1838 AUMs
 Sheep 1322 AUMs - 652 AUMs = 670 AUMs
 Horse/burro 696 AUMs - 340 AUMs = 356 AUMs

Livestock % Preference

Espil Sheep Co. 94.00 X 1838 = 1728 AUMs
 Laver Ranches 6.00 X 1838 = 110 AUMs

Horse/Burro allocation per herd

Skeddale 356 AUMs X .41 percent = 146 AUMs or 12
 Dry Rim 356 AUMs X .59 percent = 210 AUMs or 18

Appropriate Management Levels per herd

Skeddale $\frac{12 \times 100}{29} = 41$ animals
 Dry Rim $\frac{18 \times 100}{22} = 82$ animals

Proportions of Horses (80%) and Burros (20%)

Skeddale 33 horses and 8 burros
 Dry Rim 66 horses and 16 burros

TWIN PEAKS

**Carrying Capacity Computations
North Pasture**

Year	AUMS Cattle	AUMS Sheep	AUMS Horses	AUMS Totals	Measured Util.	Desired Util.	Stocking AUMS
1988	3976	1266	2223	7465	80	40	3733
1989	3559	1595	2349	7503	80	40	3752
1991	8924	1452	2470	12846	80	40	6423
1992	1252	1846	3199	6297	80	40	3149
1993	4817	1427	2635	8879	80	40	4440
Average	4506	1517	2575	8598	(8598)		4299
Percent	.52	.18	.30				

Allocation of Carrying Capacity to user based upon affending use.

Five Year Average Actual Use = 8598 AUMs
 Five Year Average Carrying Capacity = 4299 AUMs

Necessary Reduction to meet Capacity= 4299 AUMs

Proportional reduction by user:

Cattle 4299 AUMs X .52 = 2236 AUMs
 Sheep 4299 AUMs X .18 = 774 AUMs
 Horse/Burros 4299 AUMs X .30 = 1290 AUMs

Reduction from Five Year Average of Actual Use by User:

Cattle 4506 AUMs - 2236 AUMs = 2270 AUMs
 Sheep 1517 AUMs - 774 AUMs = 743 AUMs
 Horse/Burros 2575 AUMs - 1290 AUMs = 1285 AUMs

Livestock % Preference

Espil Sheep Co. 94.00 X 2270 AUMs = 2134 AUMs
 Laver Ranches 6.00 X 2270 AUMs = 136 AUMs

Horse/Burro 49% of Home Range

Burros 20.00 X 1285 AUMs = 257 AUMs or 21 Burros
 Horses 80.00 X 1285 AUMs = 1028 AUMs or 86 Horses

Horse/Burro Herd Appropriate Management Levels

Burros 21 burro X 100 = 43 Burros
 49
 Horses 86 horses X 100 = 176 Horses
 49