

**Thompson Lake - Crump Reservoir
Management Plan**

**Fish Creek Segment
South Warner Unit**

**Lakeview District
Bureau of Land Management**

Prepared by:

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June 1, 1965**

Thompson Lake-Crump Reservoir

Management Plan

History:

This use area was agreed to John Lane when Fish Creek unit was adjudicated in 1959. Grazing use was reduced from 867 to 408 animal unit months.

In July, 1960, the Parsnip Creek wildfire occurred. Aerial seeding of crested wheatgrass resulted in a fair to poor stand. Non-use for two years allowed mature plants to produce seed. Fall use success, scattering and trampling seed, improved the seeding to an excellent rating.

Flat rocky table lands broken by steep canyons is a good physiographical description. It is estimated that 25 to 50 percent of the ground cover is rock. A shallow clay soil with hard pan is droughty.

No precipitation records are available but is located on the edge of a ponderosa pine zone. Perhaps it averages fourteen inches a year. It comes as winter snow accumulation and spring rains.

Goal: Maximum forage production, use, increased plant vigor by grazing management.

Cooperation and planning have developed vigor in the forage species. Intensive management strives to maintain this vigor while increasing desired grass species.

Existing pastures and actual use figures indicate that a rest-rotation grazing system can be used to reach the desired maximums.

Problems:

Inbalance of carrying capacity may necessitate fall use in the first RR. Damage to seedlings might occur.

Shortage of spring forage in pastures 2 and 3 may require some modification of the plan.

Comments:

Spring turnout should maintain 159 head from 4/21 - 6/30. Fall use is not critical and can vary.

Pasture 3 was used in 1965 with 75 head from 4/15 - 6/30. Recent rains will enable the cattle to complete the grazing period. This could be called a dry, backward spring preventing better forage production.

Spring use of the pastures could be split to insure ample forage for the 159 head.

Table I

Actual Use = 27%

	1962	1963	1964	1965
Pasture 1	150 hd. 4/20-6/30 9 hd. 4/20-8/31 Total 390 AUM's	150 hd. 5/6-7/4 9 hd. 4/20-8/31 Total 339 AUM's	150 hd. 4/20-7/5 9 hd. 4/21-8/31 Total 414 AUM's	75 hd. 4/20-6/30 Total 175 AUM's
Pasture 2	(free movement between 1&2)	(free movement between 1&2)	Non-use	*284 hd. 10/1-11/30 Total 569 AUM's *Proposed
Pasture 3	93 hd. 11/5-11/17 103 hd. 11/18-11/23 346 hd. 11/24-1/5 175 hd. 1/6-1/9 Total 528 AUM's	190 hd. 10/2-12/1 390 hd. 12/2-12/24 135 hd. 12/25-12/27 Total 503 AUM's	51 hd. 10/3-10/17 208 hd. 10/18-11/15 435 hd. 11/16-11/18 414 hd. 11/19-11/25 63 hd. 11/26-12/3 Total 381 AUM's	75 hd. 4/20-6/30 8 hd. 4/20-8/31 Total 214 AUM's
<i>Total AUMs Use</i>	<i>918</i>	<i>842</i>	<i>795</i>	<i>958</i>

Planned

Past 2 not used

Surveyed Carrying Capacity

- Pasture 1 298 AUM's
- Pasture 2 152 AUM's
- Pasture 3 245 AUM's*

* after wildfire rehabilitation

695

Table II
Grazing Schedule

	1966	1967	1968	1969	1970	1971
Pasture 1	GL	GL	RV Fall Use <i>Seed crop</i>	RR Fall Use	RR	GL
Pasture 2	RR	RR Fall Use	GL	RV	RR Fall Use	RR Fall Use
Pasture 3	RS <i>Seed</i> Vigor should be present.	RR	RR Late spring use if needed	GL	GL	RV Fall Use

GL - graze for maximum livestock production
 RR - rest for reproduction establishment
 RV - plant vigor restoration
 RS - rest until seed ripen, graze for production

DESCRIPTION, INVENTORY AND ANALYSIS OF ALLOTMENT

Class of stock cattle Stocking (AUs) 206 (AUMs) 828

Season of grazing (dates) 4/16 to 6/30
10/1 to 4/30

Character of topography rolling, very rocky with sharp steep rims
ground cover 30% stones

Table 1. Area of natural vegetation types and culturally treated areas grazed by livestock and by game

Vegetation types and culturally treated areas <u>1/</u>	Total area of type		Area grazed by livestock		Area grazed by game	
			At present	30 years from now <u>2/</u>	At present	30 years from now <u>2/</u>
(name)	(acres)	(per-cent)	(acres)	(acres)	(acres)	(acres)
Cele - JUN - Feid	2132	16	2132	2132	2132	2132
Arar - Feid - Sihy	8636	65	8636	8636	8636	8636
Brte - Sihy	272	2	272	272	272	272
Aqcr - Feid	750	6	750	750	750	750
JUN - Feid	570	4	570	570	570	570
JUN - Brte - Sihy	598	5	598	598	598	598
JUN - Arar - Feid	322	2	322	322	322	322
Other						
Allotment Total	13280	100	13280	13280	13280	13280

1/ List culturally treated areas under appropriate vegetation types.
2/ Under improved management.

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

or treated area (name) Arar - Feid - Sihy

Species	Amount in cover ^{2/}	Forage value Ex GdFr Pr	Utili- zation Pr	Development Start Flow- Seed	Regrowth ^{3/}			
					ave. growth	ering ripe	Leaves Flower stalks	
es & Grass-like	(Percent)	(Check one)	(Parc't)	(date)	(date)	(date)	(date)	(date)
Feid	15	X	40	Mar 15	June 24	July 21	May 15	Apr 1
Pose	5	X	10	Mar 15	June 6	July 11	0	0
Stth	5	X	60	Mar 16	June 4	July 9	May 2	May 1
Btze	5		30	Apr 1	June 15	July 11	0	0
Sihy	15	X	40	Mar 15	June 19	July 22	May 15	May 1

Total 45

PHLO
ERID

10
5

X
X

Mar 15 May 15 June 30
Mar 15 June 1 July 15

Total 15

bs and trees ^{1/}

Arar
Artr
Putr
CHR

20
5
5
5

X
X
X
X

May 1 July 20 Sept 20
May 1 Sept 1 Oct 1
May 1 June 1 Aug 15
May 15 July 31

Total 40
Grand Total 100

Including conifers

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

How late in spring can the species be grazed and still produce grazable leaves or twigs or seed-producing flower stalks?

Table 4. Estimated utilization of available forage in natural vegetation types and culturally treated areas and condition of range

Vegetation type or treated area ^{1/}	Use of total tonnage of forage in type (percent)	Range condition				
		Vigor of forage species (L,M,H) ^{2/}	Ratio of good to poor forage species (percent) ^{3/}	Density of forage (percent of potential)	Sheet Erosion	
					Depth (Inches)	Extent (Percent of ground area)
Arar - Feid - Sihy	50	M	60-40	40	2	30
Brite - Sihy	15	M	20-80	20	3	60
Ager - Feid	60	H	80-20	70	1	50
JUN - Feid	10	H	50-50	20	0	0
JUN - Brite - Sihy	10	H	20-80	10	1	20
JUN - Artr - Feid	10	H	20-80	10	1	20
Cele - JUN - Feid	15	H	40-60	30	0	0
allotment average	27	M	41-59	28	1.1	26

^{1/} List treated areas (reseeded, sprayed, etc.) under appropriate vegetation types.
^{2/} L = low, M = moderate, H = high.
^{3/} From Table 2 Excellent and good species = good; fair and poor species = poor.

What percent of the livestock forage on the range is used by game? 10

What are the principal foraging game animals? antelope - deer

