

# BLM

## Grazing Capacity

Flat Creek Allotment, Winnemucca District, Nevada

Pasture	Treated Area		Untreated Area		Total		Ac/AUM	Re Nat
	Reseeded	AUMs	Native	AUMs	Acres	AUMs		
Flat Creek	900	264	100	9	1000	273	3.4	
1a North Bourke	1330	522	90	7	1420	529	13.0	↑
1b South Bourke	1430	560	90	7	1520	567		
(2a) Private	1000	391	-	-	1000	391	236	↓
2b Hadley	1875	668	-	-	1875	668		
3a Kosak (west)	1175	439	65	4	1190	443		
3b Kosak (east)	1175	439	65	5	1190	444		
<u>Total</u>	<u>8735</u>	<u>3283</u>	<u>410</u>	<u>32</u>	<u>9145</u>	<u>3315</u>		
(7) (Private)	1000	391			1000	391		
" (Federal)	7735	2892	410	32	8145	2924		
<u>Base prop</u>	1160	cultivated	native?					

	Acres	AUMs	Weight	Acres	AUMs	Ac/AUM
(4a) Private	2730	218	1.0	2730	218	10.3
4a Federal	710	68	1.0	710	68	286
4b Flat Bench	4090	319	0.8	4090	319	13.0
(5a) Flat Creek (Private)	1320	127	1.0	1320	127	1365
5a Flat Creek (Federal)	7120	1238		7120	1238	
sprayed →	5500	1079	2.0	15470	1970	5.1
unsprayed →	1620	159	1.0	24615	5285	
					+ 732	

Flat Creek Allotment.  
Winnemucca District  
Nevada.

1. Established 1958
2. Use cattle, horses
3. Area

Range

Federal	20,065	
Private	4,550	<u>          </u>
		24,615
Base prop.		
Private	1,160	<u>          </u>
(Hayland?)		1,160
		<u>          </u>
Total	25,775	

4. Season 12 months April 1 - March 31
5. Stocking estimate based on federal range

a)  $\frac{20,065 \text{ acres}}{4550 \text{ AUMs Demand Naylor 1955}} = 4.4 \text{ acres/AUM}$

— based on all range (fed + priv.)

$= 5.4 \text{ acres/AUM}$

b)  $\frac{4550}{12} = \underline{\underline{380 \text{ AUs}}}$

# Flat Creek Allotment

## Capacity

Demand 4550 AUMs Season 12 months (assume)

Stocking 380 AUs (calculated)

National Forest permit 360 AUs June 1-Aug 31 3 mps = 1080 AUMs

<u>Time requirements</u>	Spring-winter		Summer	
	(Seedings & low native range)		(Higher native range)	
	Mos	AUMs	Mos	AUMs
April-May	2	760		
June - Oct.			5	1900
Nov - Mar.	5	1900		
Total	7	7660 58%	5	1900 42%
12 months = 4560 AUMs				

Need →	7	7660	5	1900
Available <sup>v</sup> BLM etc		3040 = +380		1520 = -380
				1080 = (3x360) permit.
Available →		3040		2600

Assume 1 month grazing for 380 AUs available during winter  
 on low lying native range in unit 4 mainly and possibly some in unit 5. Deficit capacity in summer range offset by national forest capacity.

End  
regrowth  
potential

Mountainous  
Summer range

Seed  
Flring 100

Unit	1	1	15	15								
1											0.9	0.6
2	Flat	Gr							3.5			
3			Rest									
4			1.5									
5								3.5				

Apr May June July Aug Sept Oct Nov Dec Jan Febr Mar

Stacking rate 380 AV's  
Season 12 months  
Total AV's 4560

National Forest 360 x 3 10.80 AV's  
June 1 - Sept 1

AUMs (Based on 380 AU starting)

Federal	Private	Total
2924	391	3315 ✓
<u>1625</u>	<u>345</u>	<u>1970 ✓</u>
4549 +1	736	5285 ✓
- <u>1000</u> →	+ <u>1000</u>	
3550	1735	5285
	<u>232</u> Bx prep	
3550	1967	5517
64%	36%	100%
7.68 months	4.32	

2121  
562  
2683

# AV Capacity

	Federal	Private
	3550	1000 base prop
		232 "
	<hr/>	<hr/>
	3550 78%	735 range & record
		1967
Total	<u>5517</u>	= 460
	12	

4550                      2572  
Total                      7072

$\frac{1}{78}$  1282

$$\frac{273}{100} = \frac{78\%}{100} = 350$$

$$9.36 \text{ months} = 486$$

Grazing capacity.

Weight sectors

Acres/AUM

Flat Crk. reseeded

3.0

3.4

Other reseeded

4.0

2.6

Native sprayed

2.0

5.1

" unsprayed 4b }

0.8

13.0

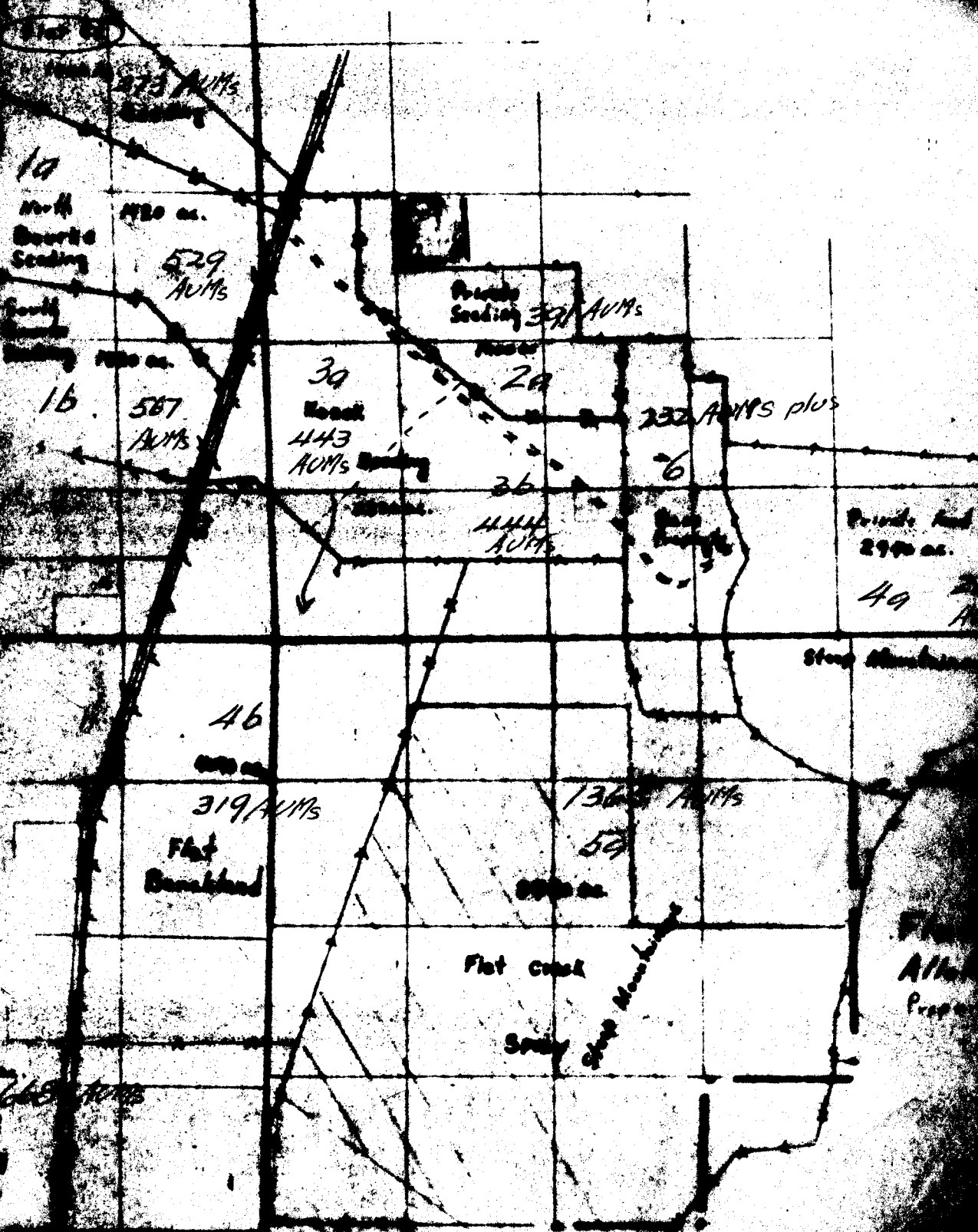
& lowlands

" unsprayed 5a }

1.0

10.3

& uplands



1a

North Boarded Seeding  
420 ac.  
529 AUMs

South Boarded Seeding  
420 ac.

1b  
587 AUMs

Private Seeding  
371 AUMs

3a  
443 AUMs

2a

232 AUMs plus

3b

6

444 AUMs

Private Land  
290 ac.

4a

Steep Mountain

4b

420 ac.

319 AUMs

Flat Bushland

136 AUMs

59

59 ac.

Flat Creek

Sandy

Steep Mountain

Flat Allotment  
Private

665 AUMs

2b



I made the following assumptions

1. Grazing capacity

Federal (BLM) 4550 AUMs

Private 735 " "

Total 5285 " "

Base property Unknown

Federal (national forest) 1080 " "

2. Season of grazing 12 months April 1 - Mar 31

3. Stocking (based on BLM federal)

$$\frac{4550}{17} = 380 \text{ A.U.s.}$$

17

4. Seasonal distribution of <sup>needed</sup> grazing capacity

Period	Mos	Seeded pastures AUMs	Native range AUMs
Apr-May	2	760	
June-Oct	5		1900
Nov. - Mar 31	5	<u>1900</u>	<u>          </u>
		7660	1900

✓ Assumed weather (snow etc) precluded use after end of October in average year  
This means seeded fields and low lying range areas must have capacity to carry stock 7 months of the year