Bighorn Sheep Foraging Data collected by Christine Hunter and Ray Guse 3/92 to 4/92

Collected for Jim Peek, Used by Edgar vander Griff in his report on carrying capacity on Big Creek for bighorn sheep.

Bites/min Data

11-12-67	CONTROL OF THE STATE OF THE STA	AND THE REAL PROPERTY AND ADDRESS.	
	time	no. of	
	sec		
1.	5 min 300	71	lamb
2	4:42 282	57	ewe
3	5 min 300	72	lamb
4	6:20 380	84	lamb
5	4:30 270	49	ewe
6	6:48 408	81	ewe
7		A. A. T. W. W. E.	
			Date: 0/26/92
			Weather: clear
		的机造工	Location: above 3rd bench
	The same of the		
			No. 8/sheep: >18. Time of day: 1230 - 1600
		CARL TO BE	
Maria A			
	C - + .	11	0 1

Comments: Sheep were aware of observers presence.
The sheep were feeding in the edge of the timber.
Times recorded were less than 10 min because sheep
moved out of night behind trees.

All times recorded for this and subsequent observations do not include any time when the focal sheep was obviously disturbed by the observer or when the focal sheep stopped feeding for more than 20 seconds.

Bites/min Data

	time	no. 6/		1		
St. Service	cu	bites				
1	10:00 600	342	lamb			
2	10:00 600	326	lamb	P.		
3	4:56 296	137	ewe			
4	7:30 450	247	ewe			
5	4:15 255	166	ewe			
6	10:00 600	354	ewe			
7	9:00 540	302	lamb	-		
8	10:00 600	328	ewe			
9	10:00 600	322	ewe			
10	7:20 440	223	ewe			
				K		
			Date: 3/2/92			
			Weather: overcast			
			Location: 1st bench			
			No. of sheep: 24			
			Time of day: 0930 - 1400			
		A PARTY	O	1		
THE RESERVE OF THE PARTY OF THE						

Comments: Sheep were not aware of observers presence. Some green growth was present on Birk, Posa, & Agrp.

PRINTING VINE OF WE	1	~
Bites	min	Data

SABUTAS			
	time sec	no. of bites	
1	10:00 600		ewe
2	6:49 409	And the second s	ewe
3	7:20 440	193	lamb.
			Date: 3/3/92
	Cartille Total		location: slope East of and beach
			weather: broken overcast.
			no. 67 sheep: 12
			time of day:
ANTONIA			
	time sec	no. of bites	
1	6:10 370	CONTRACTOR OF THE PARTY OF THE	ewe
2	10:00 600	224	ewe
3	10:00 600	238	ewe
4	10:00 600	263	ewe
5	4:42 282	135	Mam.
Also TAT			
			Date: 3/5/92
SHEET			Location: slope East of 2rd bench Weather: scattered clouds.
			Weather: scattered clouds.
			no. of sheep: 27
			time of day: 1430 - 1600
27 W W		MATERIAL SECTION	Time of the second
		Printer of the Parket of the P	

Comments: For both observations sheep were aware of observers presence and subsequently, moved out of the area.

Bites / min Data.

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Sala	time	no. of bites		actual	
	Sec	bitefaie	T MARKET	time	bite/mir.
1	5:50 350	211 36.2	ewe	5:50 350	36.2
2	10:00 600	318 31.8	ewe	10:42 642	29.7
3	10:00 600	389 38.9	ewe	10150 650	35.9
4	10:00 600	418 41.8	ewe	10:22 622	40.3
5	4:40 280	47 17637.7	ewe	4:42 282	37.5
6	5:00 300	198 39.6	ewe		
7	10:00 600	384 38.4	ewe	10:23 623	37.0
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			Call Brown		
	head			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	down.		and the last	1098368	
- 15 P P P		meet to be a second of the sec		A CONTRACTOR OF THE PARTY OF TH	

Date: 3/20/92 Location: above 3rd bench Weather: no. of sheep: 22 time of day: 1200-1630

Comments: Sheep were aware of observers presence. Moved back into trees.

These times are based on the definition of feeding as head down only. actual times are for feeding without standing or moving for more than 20 seconds. Any times for which the sheep were obviously disturbed by the observer are not included.

Feeding Bout Data:

Date: 3/19/92 location: East side above 3rd bench. 10 sheep.

ewe 4:02 Mam 3:40

> Date: 3/20/92 location: above 3rd bench. time: 0900-1300 14 sheep.

all sheep bedded 0900-1000

disturbed by observer ged 10:05-11:10

moved 11:10-11:25

bedded.

2 ewes feeding 11:40 - 11:47 and 11:40 - 11:45

feeding times 65:00 5:00 7:00

Feeding bout data.

all-day observation to determine amount of time spent feeding throughout the day.

Date: 4/2/92 Weather: clear Observed from Horse Mtn

Group 4 sheep slope above cuff ct. fed from 0830-0930 bedded until 15:50 feeding bedded moving standing time 1530 1535 1540 1545 1550 1555 15 60 1600 1605 16 10 1615 1620 16 30 16 40 16 50 16 55 17 00 1705 1740 1745

1800

Observation from Horse mtn contid. 4/2/92 Group D: 30 sheep.

Group on East side above 3rd bench - halfway to ridge.

		feeding	bedded	moving	standing		7
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This observation data was an attempt to find a better way to determine the amount of time the sheep spend feeding. From our observations this winter it appears that the sheep spent more time feeding during January and February when it was not uncommon for them to feed all day, This may have been because it was harden for the sheep to find food of when there is so snow on the ground or because they need more energy to keep warm. as the weather has warmed up the sheep seem to feed primarily in the morning and evening and spend much of the day bedded.

a day-long observation done once a week or once every two weeks could be used instead of the one-hour observations. I recorded the activity of all visible sheep every five minutes. This data may be difficult to analyze but perhaps some way of determining the percentage of sheep feeding at any given time can be worked out, or an average number of sheep and the time spent feeding for the

This data does point out some of the problems with any observations 1.e. The sheep spend a lot of time along the edge of the timber where they can only be seen for part of the observation is being done from.

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