Allotment	**Pine Creek**		Pasture	**Cove Creek**			
Date	7/27/2010		Study	**PC-CC-03**			
		Ungrazed	Grazed	% Use		Ungrazed	Grazed	% Use
	1		3.5	71%	**31**		2.5	80%
	2		3.5	71%	**32**		3.5	71%
	3		4.5	62%	**33**		3.0	75%
	4		3.0	75%	**34**		4.5	62%
	5	28.5		0%	**35**	26.5		0%
	6	12.0		0%	**36**		4.5	62%
	7		3.5	71%	**37**		5.0	58%
	8		5.0	58%	**38**	21.0		0%
	9		2.0	84%	**39**		2.5	80%
	10		5.0	58%	**40**		6.0	51%
	11		3.5	71%	**41**		8.5	36%
	12		8.5	36%	**42**		3.5	71%
	13		4.0	67%	**43**		7.0	44%
	14		6.0	51%	**44**		5.0	58%
	15	27.0		0%	**45**		3.0	75%
	16		9.5	34%	**46**		4.0	67%
	17	23.0		0%	**47**		3.0	75%
	18	14.0		0%	**48**	22.0		0%
	19		3.0	75%	**49**		5.0	58%
	20		3.5	71%	**50**		5.5	56%
	21		3.0	75%	**51**		3.5	71%
	22	18.0		0%	**52**		5.5	56%
	23		3.5	71%	**53**		3.5	71%
	24		2.5	80%	**54**	10.0		0%
	25		2.5	80%	**55**	31.0		0%
	26		3.0	75%	**56**		2.5	80%
	27		3.5	71%	**57**	33.0		0%
	28	28.5		0%	**58**		3.0	75%
	29		6.0	51%	**59**	34.0		0%
	30		5.5	56%	**60**	21.5		0%
	SUM					350.0	191.5	2946%
	Average					23.3	4.3	**49%**
	Std Dev					7.441838	1.70101	0.305551

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Height-Weight

Time 9:39 A.M.

Study Number	Date	Examiner
PC-CC-03	7-27-10	Swenson - pender

Allotment Name & Number	Pasture
Pine creek - Sulphur Beds.	Cove creek

Kind and/or Class of Animal	Period of Use
Cow-calf	June 15th ~ 7-27-10

Key Species Smooth - Broom - Brim Culm X Culmless

No	Height Ungra	Height Graze	% Utilization	No	Height Ungra	Height Graze	% Utilization	No	Height Ungra	Height Graze	% Utilization	No	Height Ungra	Height Graze	% Utilization
1		3.5	71	16		9.5	34	31		2.5	80	46		4.0	67
2		3.5	71	17	23.0		0	32		3.5	71	47		3.0	75
3		4.5	62	18	14.0		0	33		3.0	75	48	22.0		0
4		3.0	75	19		3.0	75	34		4.5	62	49		5.0	58
5	28.5		0	20		3.5	71	35	26.5		0	50		5.5	56
6	12.0		0	21		3.0	75	36		4.5	62	51		3.5	71
7		3.5	71	22	18.0		0	37		5.0	58	52		5.5	56
8		5.0	58	23		3.5	71	38	21.0		0	53		3.5	71
9		2.0	84	24		2.5	80	39		2.5	80	54	10.0		0
10		5.0	58	25		2.5	80	40		6.0	51	55	31.0		0
11		3.5	71	26		3.0	75	41		8.5	36	56		2.5	80
12		8.5	36	27		3.5	71	42		3.5	71	57	33.0		0
13		4.0	67	28	28.5		0	43		7.0	44	58		3.0	75
14		6.0	51	29		6.0	51	44		5.0	58	59	34.0		0
15	27.0		0	30		5.5	56	45		3.0	75	60	21.5		0

Culmless

Number of Ungraz. Plants	15	Total Height of Ungraz. Plants	350	Number of Sampled Plants	60	Total % Util. for All Sampled Plants	

Total Height of Ungrazed Plants / Number of Ungrazed Plants = Average Ungrazed Plant Height: 340 / 14 = 24.3

Total Percent Utilization / Number of Sampled Plants = Average Utilization: 2946 / 60 = 49.1

Notes (use other side or another page, if necessary)

Illustration 12

Page ____ of ____

Height-Weight

Time 9:15 A.M.

Study Number	Date	Examiner
PC-CC-04	7/27/10	Swenson / Reinder

Allotment Name & Number	Pasture
Pine Creek / Sulphurbeds	Cove Creek
Kind and/or Class of Animal	**Period of Use**
Cow - calf	June 15th to 7-27-10

Key Species Smooth Brome Brin — Culm X — Culmless

No	Height Ungra	Height Graze	% Utilization	No	Height Ungra	Height Graze	% Utilization	No	Height Ungra	Height Graze	% Utilization	No	Height Ungra	Height Graze	% Utilization
1		6.5	37	16	26.0		0	31		4.0	58	46		2.5	75
2	14.5		0	17		5.5	45	32		2.0	80	47		7.0	35
3	19.5		0	18		2.5	75	33	18.0		0	48		4.0	58
4		2.5	75	19		6.0	41	34		5.0	50	49		6.5	37
5		5.0	50	20	25.5		0	35		4.0	58	50	16.5		0
6		6.0	41	21		4.0	58	36		6.5	37	51	21.5		0
7	23.5		0	22		5.5	45	37		8.5	26	52		3.0	70
8		2.0	80	23		7.5	32	38		4.0	58	53		4.5	55
9		2.5	75	24	18.5		0	39		5.0	50	54		1.5	85
10		6.0	41	25	24.0		0	40	17.5		0	55	19.5		0
11		5.5	45	26		3.5	64	41	17.0		0	56		2.0	80
12		3.5	64	27	22.0		0	42		2.0	80	57		2.0	80
13	16.0		0	28	22.5		0	43	20.0		0	58		5.5	45
14	19.0		0	29		5.5	45	44	20.0		0	59		4.0	58
15	11.0		0	30		12.0	13	45		6.5	37	60		6.0	41

Number of Ungraz. Plants	20	Total Height of Ungraz. Plants	392	Number of Sampled Plants	60	Total % Util. for All Sampled Plants	

Total Height of Ungrazed Plants / Number of Ungrazed Plants = Average Ungrazed Plant Height: $\frac{392}{20} = 19.6$

Total Percent Utilization / Number of Sampled Plants = Average Utilization: $\frac{2179}{60} = 36.3$

Notes (use other side or another page, if necessary)

Illustration 12