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U.S. DEPARTMENT OF AGRICULTURE
FORTRAN CODING

PREPARED BY: *Sonnet Williams*
PROGRAM NAME: CSA/COSAM...Microplot Summary (=MS,col,3-4)
COMMENTS:

PHONE NO.

SYSTEM

PROGRAM NO.

DATE: 7/14/83

PAGE 5 OF 10

FS-RM-1651...REF

L I N E	C O N T	Date...	Allot. #	Allotment Name	Pasture	V T	Trans #	Species	Cover	Density	Freq.	Species	Cover	Density	Freq.	BLOCK RUNCH																								
																71	72	73	74	75	76	77	78	79	80															
1	R P M S	08/18/84	1213	CANADA	BONI	30	31	GETR	11.25	0.60	03	AGAU	10.00	0.10	03	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80									
2	R P M S							SEBT	0.200	0.00	01	CAMI	0.025	0.40	01																									
3	R P M S							CAGU	0.000	0.00	00	IRMI	0.000	0.30	00																									
4	R P M S							VAED	0.000	0.10	00	ALCE	0.000	0.10	00																									
5	R P M S							LITER	46.950			ROCK	17.80																											
6	R P M S							ELVT	0.100	0.60	01																													
7	R P M S	08/28/84		CANADA	BONI	30	31	FETH	19.035	1.80	53	DAPA	31.545	2.00	66																									
8	R P M S							ROPR	5.100	7.50	13	ROSE	30.00	1.20	16																									
9	R P M S							BLTR	0.750	0.10	03	MUMD	0.925	0.40	03																									
10	R P M S							KOMA	2.475	1.80	11	FEAR	0.975	0.30	08																									
11	R P M S							BRAN	0.450	1.50	05	AGSM	0.00	0.20	00																									
12	R P M S							SIHAY	0.525	0.30	03	CARE1	1.350	8.80	08																									
13	R P M S							ARLU	0.025	0.10	01	NIAM	3.125	2.70	16																									
14	R P M S							LARL	7.650	5.30	45	ACLA	8.750	9.80	53																									
15	R P M S							TAKF	0.425	0.00	05	ROHI	2.150	2.20	14																									
16	R P M S							RORW	0.050	0.10	02	PSMO	0.550	0.00	03																									
17	R P M S							ERFD	0.975	0.10	06	ANTE2	0.100	0.10	01																									
18	R P M S							VAED	0.700	0.40	04	STLD	0.025	0.00	01																									
19	R P M S							CARD	0.625	0.90	03	GECAL	0.200	0.00	01																									
20	R P M S							ERDU	0.100	0.00	01	AGAU	0.300	0.00	01																									
21	R P M S							CARE2	0.825	2.70	08	CAMI	0.350	1.0	03																									
22	R P M S							CAGW	0.300	0.40	02	IRMI	4.700	2.20	17																									
23	R P M S							ALGE	0.000	1.0	00	LITER	53.315																											
24	R P M S							ROCK	0.500																															

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

U.S. DEPARTMENT OF AGRICULTURE
FORTRAN CODING

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PROGRAM NAME: CSA/COSAM... Microplot Summary (=MS.col.3-4) PROGRAM NO. ... DATE 7/14/83

COMMENTS: FS-RM-1651...REF

LINE	CON	DATE	ALLOT #	ALLOT NAME	PASTURE	V	T	TRANS #	SPECIES	COVER	DENSITY	FREQ.	SPECIES	COVER	DENSITY	FREQ.	BLOCK PUNCH
1	R P M S	08/18/84	12	CANADA	BONI			003	FETH	32.535	2.50	69	DARA	29.300	2.30	56	
2	R P M S								ROFF	0.825	0.00	03	ROFF	5.000	4.20	14	
3	R P M S								BLTR	0.850	0.50	03	MUMMO	0.400	0.30	01	
4	R P M S								XOMA	3.175	2.20	16	FEAR	0.900	0.10	02	
5	R P M S								BRAN	1.775	1.70	15	AGSM	0.700	0.00	02	
6	R P M S								SIHY	0.500	0.50	03	CARE1	8.775	9.00	30	
7	R P M S								CARE2	0.500	0.10	08	ARLU	0.200	0.70	01	
8	R P M S								VIAM	5.525	4.00	26	LARU	6.525	3.70	38	
9	R P M S								ACLA	6.175	6.60	42	ROHI	5.500	1.40	23	
10	R P M S								ROPW	0.100	0.00	01	TAEF	0.075	0.01	03	
11	R P M S								PSMA	0.300	0.40	02	ERFD	6.350	2.80	22	
12	R P M S								ANTE2	2.200	0.00	06	VAED	0.000	0.40	00	
13	R P M S								CARD	0.550	0.00	04	IRMI	2.600	3.90	08	
14	R P M S								VIOLI	0.100	0.00	01	ERON	0.300	0.00	01	
15	R P M S								CAGU	0.100	0.40	01	GECA	0.050	0.20	02	
16	R P M S								ROWD	0.000	0.10	00	CAMI	0.600	0.10	01	
17	R P M S								TRDU	0.000	0.10	00	LITER	6.145			
18	R P M S								ROCK	1.180							
19	R P M S	08/19/84	12	CANADA	BONI			004	FETH	17.220	1.90	39	DARA	46.500	6.00	85	
20	R P M S								ROFF	0.025	0.00	01	ROFF	1.875	1.70	11	
21	R P M S								BLTR	1.550	0.50	07	MUMMO	0.750	0.70	05	
22	R P M S								XOMA	1.050	0.60	06	FEAR	0.950	1.10	06	
23	R P M S								BRAN	0.300	0.80	01	ELNI	0.000	0.10	00	
24	R P M S								SIHY	0.850	0.50	07	CARE1	2.075	0.60	14	

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U.S. DEPARTMENT OF AGRICULTURE										PHONE NO.		SYSTEM		PAGE 7 OF 10		
FORTRAN CODING										PROGRAM NAME		PROGRAM NO.		DATE 7/14/83		
COMMENTS										CSA/COSAM... Microplot Summary (=MS,col.3-4)		FS-RM-1651... REF				
L	C	CON	Date...	Allot.	Allotment Name	Pasture	V	Trans #	Species	Cover	Density	Freq.	Species	Cover	Density	Freq.
1	R	P	MS	08/19/84	CANADA	BONI		004	CARE2	0850	180	07	VIAM	1575	100	10
2	R	P	MS						LAPR	4250	300	21	ACLA	9325	400	46
3	R	P	MS						ROHI	5650	290	22	PRW	0000	020	00
4	R	P	MS						PSMO	0625	030	06	ERFD	2125	000	08
5	R	P	MS						ANTE2	0760	000	02	VAED	0300	080	03
6	R	P	MS						STLD	2485	050	12	CARD	0575	040	06
7	R	P	MS						IRMX	3860	410	15	HERA	0500	40	02
8	R	P	MS						SOMW	4200	200	10	RUHI	3000	50	10
9	R	P	MS						NTDL1	0100	000	01	GECA	0025	010	01
10	R	P	MS						GEAR	0100	030	01	SIMP	0225	000	02
11	R	P	MS						GETR	5880	330	12	AGAW	0200	010	01
12	R	P	MS						FRON	0100	000	01	CAGW	0000	60	00
13	R	P	MS						THDI	0000	050	00	LITER	5880		
14	R	P	MS						ROCK	0980						
15	R	P	MS													
16	R	P	MS	08/24/84	ESCUDILA TBOX			001	FEAR	17120	330	50	SEON	16530	450	37
17	R	P	MS						BLFR	3275	280	15	MUMD	8105	470	18
18	R	P	MS						POGE	9950	200	24	STLD	3525	310	19
19	R	P	MS						BRRO	4275	240	19	KOMA	6675	600	33
20	R	P	MS						CARE3	9925	1210	42	CARE4	1325	200	08
21	R	P	MS						ERFD	6675	1150	28	ROHI	11600	680	41
22	R	P	MS						ROTEX	0200	050	01	ACLA	0900	260	05
23	R	P	MS						CALI	0325	010	03	LILE	3125	250	19
24	R	P	MS						AREE2	4150	270	12	LAPR	9900	640	34

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Sara L. Williams		728/81		5 OF 14		6/83..FS-RM-1651/REF																																												
PROGRAM NAME		PROGRAM NO.		PROGRAM NO.		DATE																																												
GUDSAM..production estimates		Veg.		6/83..FS-RM-1651/REF		7/28/81																																												
Allotment: Garland Pasture: Canopy: Box		Allotment: Garland Pasture: Canopy: Box		Allotment: Garland Pasture: Canopy: Box		Allotment: Garland Pasture: Canopy: Box																																												
Allot.	#	Past.	#	Type	#	Trans.	#	Plot	#	Wt. Est.	Part	Dry	Wt.	Spp.	%	Spp.	%	Spp.	%	Spp.	%																													
1	GA	003	04	FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
2				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
3				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
4				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
5				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
6				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
7				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
8				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
9	GA	004	01	FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
10				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
11				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
12				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
13				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
14				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
15				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
16				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
17				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
18				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
19				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
20	CR	001	01	FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
21				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
22				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
23				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
24				FEAR	31	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80

Canada Points Productivity

9/9/84

	T1										T2											
	1	2	3	4	5	6	7	8	9	10	Avg	1	2	3	4	5	6	7	8	9	10	Avg
1 FETH	11	68			70	28	10	34	31	57	30.2	70	38	55	16	9	51	60	27	43	1	43.1
2 DARA	31	0			0	66	59	34	40	43	31.8	0	49	25	86	42	34	70	15		2	28.1
3 PDRR		20	35	10	5	3				2	7.5										3	
4 KONA	7		10	3		3		4			2.7					1		10			4	1.1
5 POSE			8	5	1	1		13		1	2.9	8				1	2	4	2		5	1.7
6 BLTR	7				4					1	1.2										6	
7 MURR										2	0.9										7	
8 FEAR	9			20			9		3		4.1			3		4			12		8	1.9
9 BRAN			4	2			7			3	1.6			3				10			9	1.3
10 AGSM																		15			10	1.5
11 ELVI			2								0.2										11	
12 SHY															10	5				3	12	1.8
13 CAFO		1		2	3					1	0.8	3	1	2			2		1	2	13	1.1
14 CAPR									1	1	0.2										14	
15 ACLA	10	2		3	7	2		2	2		2.8	4	3	3	4	2	1	3	1	2	1	3.3
16 LAAR	4	1		1	2			1	1	1	1.1	1	1		2	1	1	1	1	1	1	0.9
17 VIAM	3	4	2	1	1	1	2	2	2	1	1.9	2	1		2	1	2		1	1	1	1.0
18 TAOF	2	2	2		1	1	1		1	1	1.0	1							1		1	0.2
19 PENR	3				1					2	0.7		3		2	1				1	1	0.7
20 ARLU			3	2							0.5	5					2	6	1		2	1.4
21 POHI				3			3	1	3	3	1.3		4				3				3	0.7
22 ERFO	3		8								1.1			7			2				4	0.9
23 ALCE							2				0.2										5	
24 CARO	3					1	2				0.6					1		1			6	0.2
25 RWHI				6	4	1	5	9	5	4	2.4			3							7	0.2
26 GETR					2						0.2										8	
27 PEF																					9	
28 TRCU		2	8							1	1.1		6								10	0.6
29 FROV						1				2	0.3										11	
30 STLOL									1	1	0.2						2				12	0.2
31 CAMI									4	3	0.7										13	
32 CAGK						1			1		0.2										14	
33 IRMI															1	25	30			27	15	8.3
34 ANTEI														2							16	0.2
35 VAEO																1	1				17	0.2
36 ERCA															2						18	0.2
37 ASLA	7			2							0.9										19	
38																					20	
39																					21	
40																					22	

Canada Boats - Productivity

9/9/84

	T3										T4											
	1	2	3	4	5	6	7	8	9	10	Aug	1	2	3	4	5	6	7	8	9	10	Aug.
1 RETH	83	64	33	70	38	33	23	48	40	30	52.9	42	0	27	4	13	25	16	31	10	23	19.1
2 OAPA			32		27		23		42		13.8	37	50	37	50	38	55	52	26	46	23	39.4
3 OOPR								5			0.5											
4 KOMA				3				1			0.4		2					3		3		1.5
5 PIFE	2					2	2				0.6		8			6	4				3	15.3
6 BLTR					2			9			1.1				4					5		3
7 MUMO								1	2		0.3				5	5						
8 FEAR													2						3		7	
9 ERAN	3		3	5				1	13		2.5	2			6		18				7	7
10 AGSM						40					4.0											
11 SINX									18		1.8		2		8	3	3				2	
12 CAFO <small>Coax</small>	4	1	1	0		4	1	4	2	2	2.9	8				1		2	1			1.2
13 API <small>Coax</small>							1				0.1											
14 ACLA	2	2	2	4	2	2	2	4	4	2	2.8	2		1	2	1	2	1	1		5	1.3
15 LAAR	1	1	1	1	2		1	1	1	1	1.0			1		1		1	1		1	1
16 VIAM	1	1	2	2	1	1	1	1	1	1	1.1		1							1	1	
17 TAPR														1								
18 REAR																						
19 ABAR		1						1		2	0.4											
20 POHI				3				7			1.0	3	3	2	3	3	8	4	7	1	6	4.3
21 ERAD					5			7	3	20	3.8			2		1			2			0.5
22 CARO	1										0.1											
23 RUMI													3				1		5		3	1.2
24 GETR													2	1	2	1		7	1	2	18	3.4
25 FROV																1						
26 STLO													3	2		1			4		2	1.2
27 CAMI							2				0.2											
28 CAGU	1			2							0.3			1	2			2		1		0.6
29 BRMI		20	25		22		5				7.2	6	20	6	16	28	1	8	10	8		10.3
30 ANTE							1				0.1											
31 VAED							9				0.9			5		1						0.6
32 PSMO			1				2				0.3			2	2			1				0.5
33 GECA							1				0.1					1						0.1
34 AGAU																				2		0.2
35 SOMU													3							2		0.2
36 HEPA													1	1								0.2
37 GEAR														2								0.2
38																						
39 Est 476	70	510	700	650	700	450	450	450	450	450	450	710	510	700	650	700	450	450	450	450	450	655.0
40																						

Dry Weights

Government Prairie

T 1	155
2	80
3	120
4	139
<hr/>	
	1235 Average

Garland Prairie

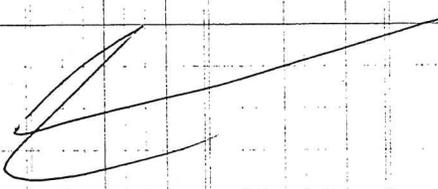
T 1	132
2	140
3	144
4	182
<hr/>	
	149.5 Average

Escudilla Mtn.

T 1	190	} 202.5 Average
2	217	
3	362	} 254.5 Average
4	147	
<hr/>		
	229	Average

Cañada Bonito

T 1	348
2	527
3	208
4	220
<hr/>	
	325.75 Average



8/19/84

Canada Bn do

79
Society

	1	2	3	4	5	6	7	8	9	10	Aug	Free	
✓ <i>Andropogon furcatus</i>	4	1	1	1	2	7	5	2	1	2	1.90	Small	9
✓ <i>Dactyloctenium aegyptium</i>	4	2	9	5	6	7	8	7	7	5	6.00	clumps	10
3 <i>Poa annua</i>											1.70	do	3
4 <i>Poa annua</i>	3		3	4	4				3		1.70	meadow	5
5 <i>Trifolium repens</i>						1	1		3		0.50		5
6 <i>Trifolium repens</i>		1			6						0.70		2
7 <i>Trifolium repens</i>						1		1	4		.60		3
8 <i>Trifolium repens</i>					4		3	1	3		1.10		4
9 <i>Trifolium repens</i>		1				3	3	1			0.80		4
10													10
11 VELVI								1			0.10		1
12 <i>Sida acuta</i>	3								2		0.50		3
13 <i>Carex flacca</i>	1			5							0.60		2
14 <i>Carex flacca</i>			7	6	3		2				1.80		4
15													15
16 <i>Vicia</i>		4	1			1	2		2		1.00		5
17 <i>Vicia</i>	2	6	6		5	3	5		3		3.00		7
18 <i>Achillea millefolium</i>	5	5	8	6	11	3	3		2		4.00		7
19 <i>Achillea millefolium</i>	3		3	3	7	3	4		2	4	2.90		8
20 <i>Portulaca oleraceae</i>						1			1		.20		2
21													21
22 <i>Rhus typhina</i>						1		1	1		.30		3
23													23
24 <i>Urtica dioica</i>													24
25 <i>Urtica dioica</i>			4	1	2	1					.80		4
26 <i>Urtica dioica</i>									2	3	.50		2
27 <i>Urtica dioica</i>			1		3						.40		2
28 <i>Urtica dioica</i>		2	1	10	9	4		5	4	6	4.10		8
29 <i>Urtica dioica</i>	1										0.10		1
30 <i>Urtica dioica</i>	1	1	1		2				1		.60		5
31 HERA	1	1	2								.40		3
32 <i>Urtica dioica</i>			8		3	3			6		2.00		4
33 RUHI			1			1	3				0.50		3
34 <i>Urtica dioica</i>					3						.30		1
35 <i>Aster sp.</i>						5					.50		1
36 <i>Urtica dioica</i>						1					.10		1
37 <i>Urtica dioica</i>								1	18	14	3.30		3
38													38
39													39
40													40