GrazingTool Version 4.2

Instructions:
The six worksheets that are contained in this spreadsheet are designed to take conservation planners through the basic inventory, planning, and monitoring process when working with livestock producers. The **ForageInv (WY-ECS-2)** worksheet is where the forage inventory is conducted. The **AnimalInv - F&FBAL (WY-ECS-3)** worksheet is where animals are inventoried and where forage and animal inventories are balanced by month and by year. The **Time Control (WY-ECS-29C)** worksheet is a grazing system design tool to be used with grazing systems where livestock are rotated through a series pastures two or more times per year. It is intended as a planning tool for Management Intensive Grazing systems that contain a relatively high number of paddocks. These systems are typically designed so that paddocks are similar in size or grazing capacity. If you are designing a more typical system with variable size paddocks, the **Weekly (WY-ECS-29A) or Daily Scheduler (WY-ECS-29B)** will likely be more useful. The **Weekly Schedule**r is designed to be used where each pasture is grazed only once per season in systems such as deferred rotations. The **Daily Scheduler** is designed to show how a rotation can be planned that will include rapid livestock movement, less than a week in each paddock, with each pasture being grazed more than once per season. The **Actual Use Record (WY-ECS-414)** sheet is a sheet where actual grazing records are entered. Yearly data may be archived so that yearly records are available at anytime for follow-up. Graphing functions which compare actual grazing use and predicted forage production is available on this sheet. These sheets are all linked. Data entered into the ForageInv sheet is used in the AnimalInv, Time Control, Scheduler, and Record sheets. **If the ForageInv sheet is not completed or is missing data the other three sheets will not function properly.**

If your grazing schedule needs more rows than are on the scheduling sheets you are able to make a copy of the scheduling sheet. You can then put the additional paddocks in the copied sheet. To do this, select the sheet you plan to use, select edit, then select move or copy sheet. Check copy and select OK. Two sheets will exist, one with the original sheet name and the other with a (2) on the end of the name. You will be able to use both sheets to schedule the grazing plan.

It is recommended that a clean copy of this spreadsheets be maintained. When using the sheet for a new client open the clean file and immediately save it to a file containing the producer name such as GrazingToolJones.xls. You should save the file in the producers customer folder, plan reports directory in Tool Kit and than use that sheet for all work related to that client.
Once you fill in the client name and conservationist name on the ForageInv sheet it automatically defaults to the other sheets. **Data is entered only in the yellow shaded areas of the form. All the white cells are automatically calculated with formulas.** Throughout the sheets you will find instructions explaining the required data in the yellow fields and overall instructions for the sheet. These instructions should be sufficient in helping you work through the form the first time. Anywhere there is a red triangle in the corner of a cell instructions are available. Simply point your mouse at the triangle and instructions will appear. Drop down choice lists are available in several locations on the sheets.

New updates to this sheet will periodically be released. This release includes a daily scheduler for April - November. Always be certain to use the most current version.

The AnimalInv, Time Control, and Scheduler sheet will all print on a single page. The ForageInv inventory sheet contains 750 lines for inventorying grazing land resources. Each page prints only pages that have data. **The Weekly Scheduler must be printed on legal paper to get it to fit on one page. The Daily Scheduler should be printed on 11"x17" paper.**

FORAGE INVENTORY

Client: Oldham
Address

Conservationist: SP **Date:** July 23, 2012

☑ Present ☐ Planned

Instructions:

AUM conversion Factors	
All Hay	2.5
Silage	1.5
Grains	3.7

Growth Curve #1	(100% cool season)	1			5	15	30	25	5	5	10	5		
Growth Curve #2	(80% cool, 20% warm season)	2			5	15	28	23	11	8	6	4		
Growth Curve #2	(75% cool, 25% warm season)	3			5	15	25	20	15	10	7	3		
Growth Curve #3	(50% cool, 50% warm season)	4			5	15	20	20	20	10	7	3		
Growth Curve #4	(Crop Aftermath)	5										40	40	20
Growth Curve #6	(Create Your Own)	6												
Growth Curve #7	(Create Your Own)	7												
Growth Curve #8	(Create Your Own)	8												

Growth curves found in ecological site and pasture suitability group descriptions should be used when available

SUMMARY

	Acres		Feed		Grazing		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
							TOTAL GRAZED FORAGE PRODUCTION BY MONTH											
TOTALS	900.0	**TOTAL AUM's**	2,375		3,601				180	540	1,080	900	180	180	360	180		
				Cumulative Totals					180	720	1,801	2,701	2,881	3,061	3,421	3,601	3,601	3,601

FEDERAL AND OFFSITE LEASES (Non Inventoried)

Tract	Lease or Field No.	Lease Description	Acres	Comments:	AUM's Available	Grow-th Curve	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
							GRAZED FORAGE PRODUCTION BY MONTH											

PURCHASED FEED

Feed Type	Tons Available	AUM Conv. Factor	AUM's Available	Comments:
alfalfa	950	2.5	2,375.0	

INVENTORIED LANDS (Owned and Operated)

Tract	Field No.	Landuse	ESD, FSG or CCU	Acres	Sim. Index or /Species	HARVESTED FEEDS: Tons per Acre	HARVESTED FEEDS: Tons Available	HARVESTED FEEDS: AUM Conv. Factor	HARVESTED FEEDS: AUM's Available	GRAZING LANDS: AUM's per acre	GRAZING LANDS: Accessible Forage	GRAZING LANDS: AUM's Available	Growth Curve	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
														GRAZED FORAGE PRODUCTION BY MONTH											
999	1	irr hayland		70	smooth brome					1.00	1.00	70.0	1			4	11	21	18	4	4	7	4		
999	2	range land	Loamy	45	Indian ricegrass					0.20	1.00	9.0	1			0	1	3	2	0	0	1	0		
999	3	range land	Loamy	15	Indian ricegrass					0.20	1.00	3.0	1			0	0	1	1	0	0	0	0		
999	3	irr hayland		25	smooth brome					1.00	1.00	25.0	1			1	4	8	6	1	1	3	1		
999	4	range land	Loamy	19	Indian ricegrass					0.20	1.00	3.8	1			0	1	1	1	0	0	0	0		
999	4	irr hayland		10	smooth brome					1.00	1.00	10.0	1			1	2	3	3	1	1	1	1		
999	5	irr hayland		47	smooth brome					1.00	1.00	47.0	1			2	7	14	12	2	2	5	2		
999	5	range land		10	Indian ricegrass					0.20	1.00	2.0	1			0	0	1	1	0	0	0	0		

INVENTORIED LANDS (Owned and Operated)

Tract	Field No.	Landuse	ESD, FSG or CCU	Acres	Sim. Index or /Species	HARVESTED FEEDS				GRAZING LANDS			Growth Curve	GRAZED FORAGE PRODUCTION BY MONTH											
						Tons per Acre	Tons Available	AUM Conv. Factor	AUM's Available	AUM's per acre	Accessible Forage	AUM's Available		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
999	5	irr pasture		25	NE sedge					5.34	1.00	133.5	1			7	20	40	33	7	7	13	7		
999	6	irr pasture		10	NE sedge					5.34	1.00	53.4	1			3	8	16	13	3	3	5	3		
999	6	range land		17	Indian ricegrass					0.20	1.00	3.4	1			0	1	1	1	0	0	0	0		
999	7	irr pasture		44	NE sedge					5.34	1.00	235.0	1			12	35	70	59	12	12	23	12		
999	8	irr pasture		80	NE sedge					5.34	1.00	427.2	1			21	64	128	107	21	21	43	21		
999	9	irr pasture		84	NE sedge					5.34	1.00	448.6	1			22	67	135	112	22	22	45	22		
999	10	irr pasture		40	NE sedge					5.34	1.00	213.6	1			11	32	64	53	11	11	21	11		
999	11	irr pasture		40	NE sedge					5.34	1.00	213.6	1			11	32	64	53	11	11	21	11		
999	12	irr pasture		51	NE sedge					5.34	1.00	272.3	1			14	41	82	68	14	14	27	14		
999	13	irr pasture		22	NE sedge					5.34	1.00	117.5	1			6	18	35	29	6	6	12	6		
999	14	irr pasture		40	NE sedge					5.34	1.00	213.6	1			11	32	64	53	11	11	21	11		
999	15	irr pasture		40	NE sedge					5.34	1.00	213.6	1			11	32	64	53	11	11	21	11		
999	16	irr pasture		80	NE sedge					5.34	1.00	427.2	1			21	64	128	107	21	21	43	21		
999	17	irr pasture		86	NE sedge					5.34	1.00	459.2	1			23	69	138	115	23	23	46	23		

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WY-ECS-3
01/11

Client: Oldham

Animal Inventory

Date July 23, 2012

FORAGE DEMAND PER MONTH (AUM's)

Animal Kind	Number	AU Equiv	Grazing Months	Grazing Demand	Months on Feed	Feed Demand	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
							Graze ☐ Feed ☑	Graze ☐ Feed ☑	Graze ☐ Feed ☑	Graze ☐ Feed ☑	Graze ☑ Feed ☐	Graze ☑ Feed ☐	Graze ☑ Feed ☐	Graze ☑ Feed ☐	Graze ☑ Feed ☐	Graze ☐ Feed ☑	Graze ☐ Feed ☑	Graze ☐ Feed ☑
Cow, 1000 lb., 2 yr +	325	1.00	5	1,625	7	2,275	325	325	325	325	325	325	325	325	325	325	325	325
Bull, Mature	16	1.35																
			Total	1,625	Total	2,275	☑ Check the appropriate box in each month where Grazing or Feeding will be supplied. Check only one box per month.											
							Total Monthly Grazing Demand				325	325	325	325	325			
							Cumulative Grazing Demand				325	650	975	1,300	1,625	1,625	1,625	1,625
							Total Monthly Feed Demand	325	325	325	325						325	325	325
							Cumulative Feed Demand	975	1,300	1,625	1,950	1,950	1,950	1,950	1,950	1,950	2,275	325	650

Conclusions:

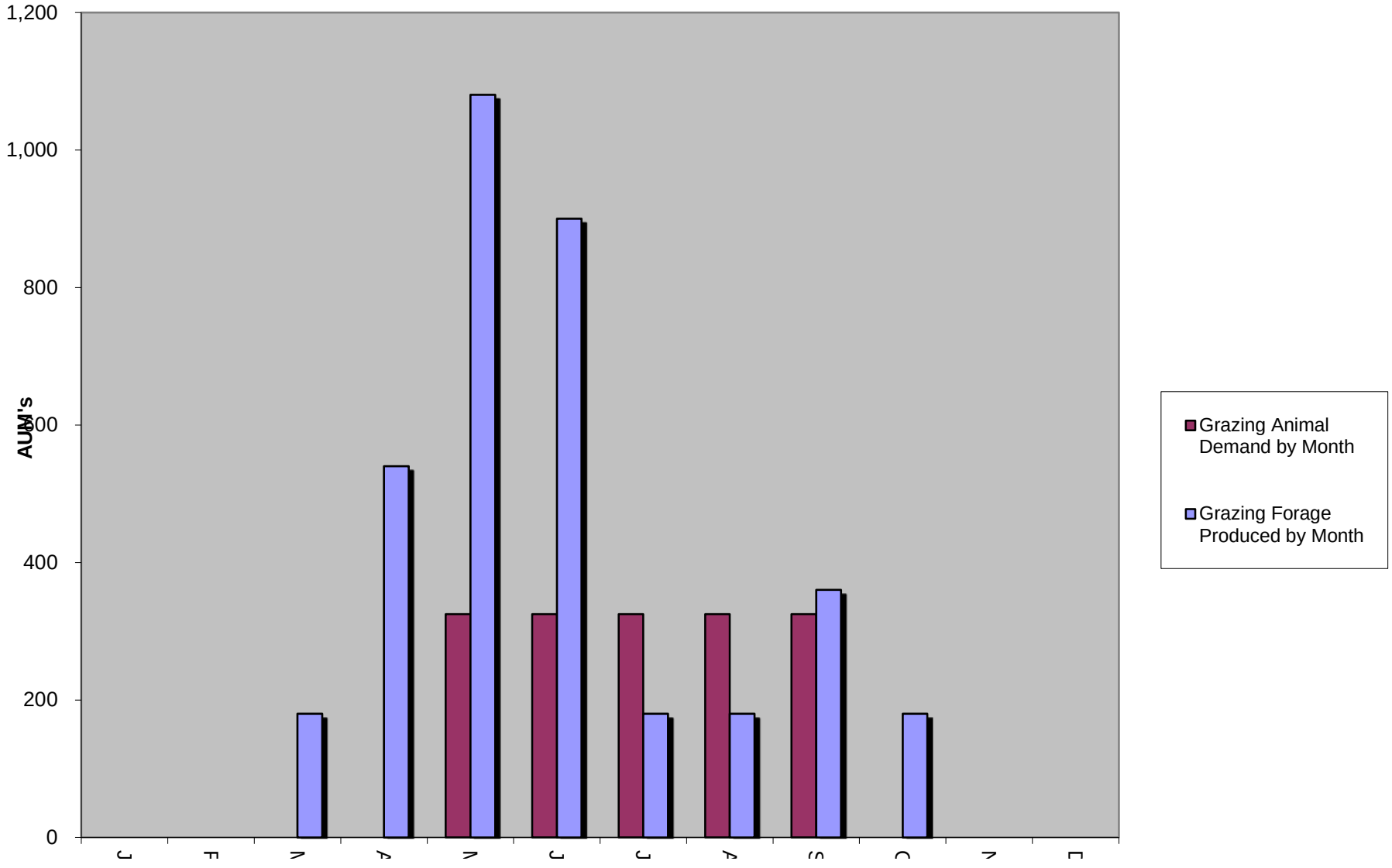
MONTHLY FORAGE BALANCE FROM GRAZING (AUM's)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Grazable Forage Produced By Month			180	540	1,080	900	180	180	360	180		
Grazing Animal Demand By Month					325	325	325	325	325			
Monthly Shortage or Surplus			180	540	755	575	(145)	(145)	35	180		
Cumulative Grazed Forage Production			180	720	1,801	2,701	2,881	3,061	3,421	3,601	3,601	3,601
Cumulative Grazing Demand					325	650	975	1,300	1,625	1,625	1,625	1,625
Cumulative Shortage or Surplus			180	720	1,476	2,051	1,906	1,761	1,796	1,976	1,976	1,976

FORAGE BALANCE SUMMARY - WY-ECS-3

Total Grazing Available (AUM's)	3,601	Total Grazing Demand (AUM's)	1,625	Grazing Shortage or Surplus (AUM's)	1,976
Total Feed Available (AUM's)	2,375	Total Feed Demand (AUM's)	2,275	Feed Shortage or Surplus (AUM's)	100
Total Grazing and Feed Available (AUM's)	5,976	Total Grazing and Feed Demand (AUM's)	3,900	Total Shortage or Surplus of Grazing and Feed (AUM's)	2,076

Grazing Demand vs. Grazeable Forage



Instructions:

Time Control Grazing Worksheet

Cooperator: Oldham Conservationist: SP Date: July 23, 2012

Field No.	Field Acres	Grazing AUM's Available	Grazing Days Available	Paddock Grazing Factor	Minimum Grazing Period	Maximum Grazing Period
T999-6	27.0	56.8	5.2	0.21	1	2
T999-7	44.0	235	21.7	0.85	5	9
T999-8	80.0	427.2	39.4	1.55	8	17
T999-9	84.0	448.6	41.4	1.63	9	18
T999-10	40.0	213.6	19.7	0.78	4	9
T999-11	40.0	213.6	19.7	0.78	4	9
T999-12	51.0	272.3	25.1	0.99	5	11
T999-13	22.0	117.5	10.8	0.43	2	5
T999-14	40.0	213.6	19.7	0.78	4	9
T999-15	40.0	213.6	19.7	0.78	4	9
T999-16	80.0	427.2	39.4	1.55	8	17
T999-17	86.0	459.2	42.4	1.67	9	18
Total Acres:	634					
Total AUM's Grazing:		3298.2				
Total Weeks Grazing			43.5			

Animal Type:	Cow, 1000 lb., 2 yr +	
Number of Animals:	325	
AU's on Grazing System:	325	
Desired Rest Period:		
Minimum of:	60	Days
Maximum of:	120	Days
Total pastures in rotation:	12	
Average AUM's per pasture:	274.9	
Average Minimum Grazing period:	5	Days
Average Maximum Grazing period:	11	Days
Average Stocking Rate:	5.20	aum/ac
Potential Length of Grazing Season:	10.1	Months

Comments:

United States Department of Agriculture
Natural Resources Conservation Service

WY-WCS-29A
01/11

Instructions:

PLANNED GRAZING SYSTEM SCHEDULE

Herd 1 | Herd 2 | Herd 3 | Herd 4

Cooperator: Oldham

Conservationist: SP

Date Planned:

Year	Tract-Field/ Past. No.	Acres	Animal Information: Animal Type	Animal Information: Number	Avail. AUM's	AUM's used
	T999-1	70.0	Cow, 1000 lb., 2 yr +		70	
	T999-10	40.0	Cow, 1000 lb., 2 yr +		214	
	T999-11	40.0	Cow, 1000 lb., 2 yr +		214	
	T999-12	51.0	Cow, 1000 lb., 2 yr +		272	
	T999-13	22.0	Cow, 1000 lb., 2 yr +	325	118	
	T999-14	40.0	Cow, 1000 lb., 2 yr +	325	214	
	T999-15	40.0	Cow, 1000 lb., 2 yr +	325	214	
	T999-16	80.0	Cow, 1000 lb., 2 yr +	325	427	
	T999-17	86.0	Cow, 1000 lb., 2 yr +	325	459	151.7
	T999-2	45.0	Cow, 1000 lb., 2 yr +	325	9	
	T999-3	40.0	Cow, 1000 lb., 2 yr +	325	28	
	T999-4	29.0	Cow, 1000 lb., 2 yr +	325	14	
	T999-5	82.0	Cow, 1000 lb., 2 yr +	325	183	
	T999-6	27.0	Cow, 1000 lb., 2 yr +	325	57	
	T999-7	44.0	Cow, 1000 lb., 2 yr +	325	235	
	T999-8	80.0	Cow, 1000 lb., 2 yr +	325	427	
	T999-9	84.0	Cow, 1000 lb., 2 yr +	325	449	151.7

Primary gowth for Cool Season Plants | Primary growth for Warm Season Plants

April	May	June	July	August	September	October	November	December	January	February	March
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											

Tract-Field/ Past. No.	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
T999-17																																									1	1										
T999-9																																												1	1								

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WY-ECS-29B
01/11

Instructions:

PLANNED GRAZING SYSTEM SCHEDULE - Page 1 of 2

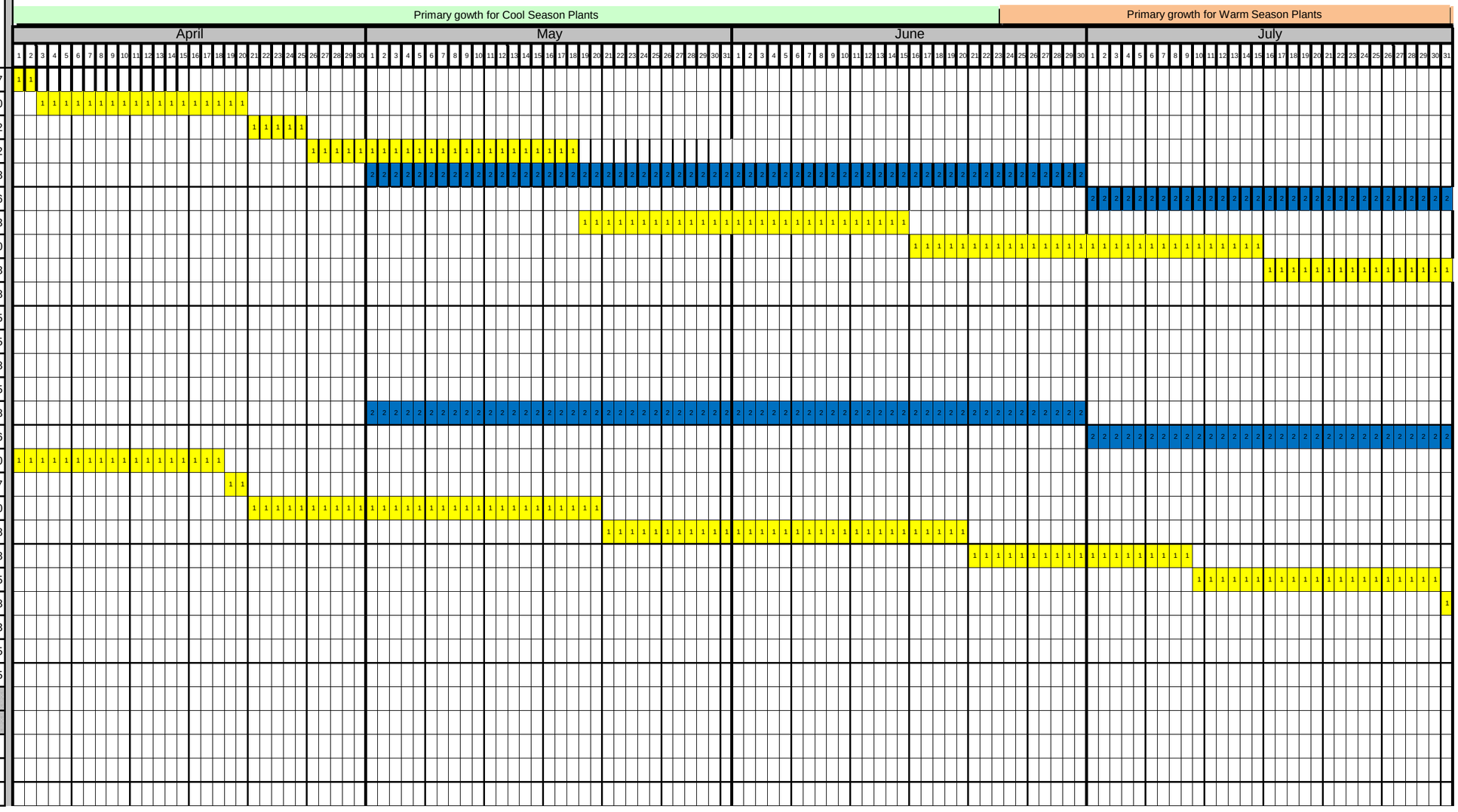
Herd 1 | Herd 2 | Herd 3 | Herd 4

Cooperator: Oldham

Conservationist: SP

Date Planned:

Year	Tract-Field/ Past. No.	Acres	Animal Information: Animal Type	Number	Avail. AUM's	AUM's used
2014	T999-3	40.0	Cow, 1000 lb., 2 yr +	295	28	19.7
2014	T999-5	82.0	Cow, 1000 lb., 2 yr +	295	183	177.0
2014	T999-6	27.0	Cow, 1000 lb., 2 yr +	295	57	49.2
2014	T999-7	44.0	Cow, 1000 lb., 2 yr +	295	235	226.2
2014	T999-12	51.0	Replacement heifers	30	272	48.8
2014	T999-13	22.0	Replacement heifers	30	118	49.6
2014	T999-8	80.0	Cow, 1000 lb., 2 yr +	295	427	275.3
2014	T999-9	84.0	Cow, 1000 lb., 2 yr +	295	449	295.0
2014	T999-17	86.0	Cow, 1000 lb., 2 yr +	295	459	304.8
2014	T999-16	80.0	Cow, 1000 lb., 2 yr +	295	427	304.8
2014	T999-10	40.0	Cow, 1000 lb., 2 yr +	295	214	206.5
2014	T999-11	40.0	Cow, 1000 lb., 2 yr +	295	214	206.5
2014	T999-15	40.0	Cow, 1000 lb., 2 yr +	295	214	186.8
2014	T999-14	40.0	Cow, 1000 lb., 2 yr +	295	214	147.5
2015	T999-6	27.0	Replacement heifers	30	57	48.8
2015	T999-7	44.0	Replacement heifers	30	235	49.6
2015	T999-5	82.0	Cow, 1000 lb., 2 yr +	295	183	177.0
2015	T999-3	40.0	Cow, 1000 lb., 2 yr +	295	28	19.7
2015	T999-17	86.0	Cow, 1000 lb., 2 yr +	295	459	295.0
2015	T999-16	80.0	Cow, 1000 lb., 2 yr +	295	427	304.8
2015	T999-15	40.0	Cow, 1000 lb., 2 yr +	295	214	186.8
2015	T999-10	40.0	Cow, 1000 lb., 2 yr +	295	214	206.5
2015	T999-9	84.0	Cow, 1000 lb., 2 yr +	295	449	304.8
2015	T999-8	80.0	Cow, 1000 lb., 2 yr +	295	427	275.3
2015	T999-11	40.0	Cow, 1000 lb., 2 yr +	295	214	206.5
2015	T999-14	40.0	Cow, 1000 lb., 2 yr +	295	214	147.5
2015	T999-13	22.0	Cow, 1000 lb., 2 yr +	-	118	
2015	T999-12	51.0	Cow, 1000 lb., 2 yr +	-	272	



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WY-ECS-29B
01/11

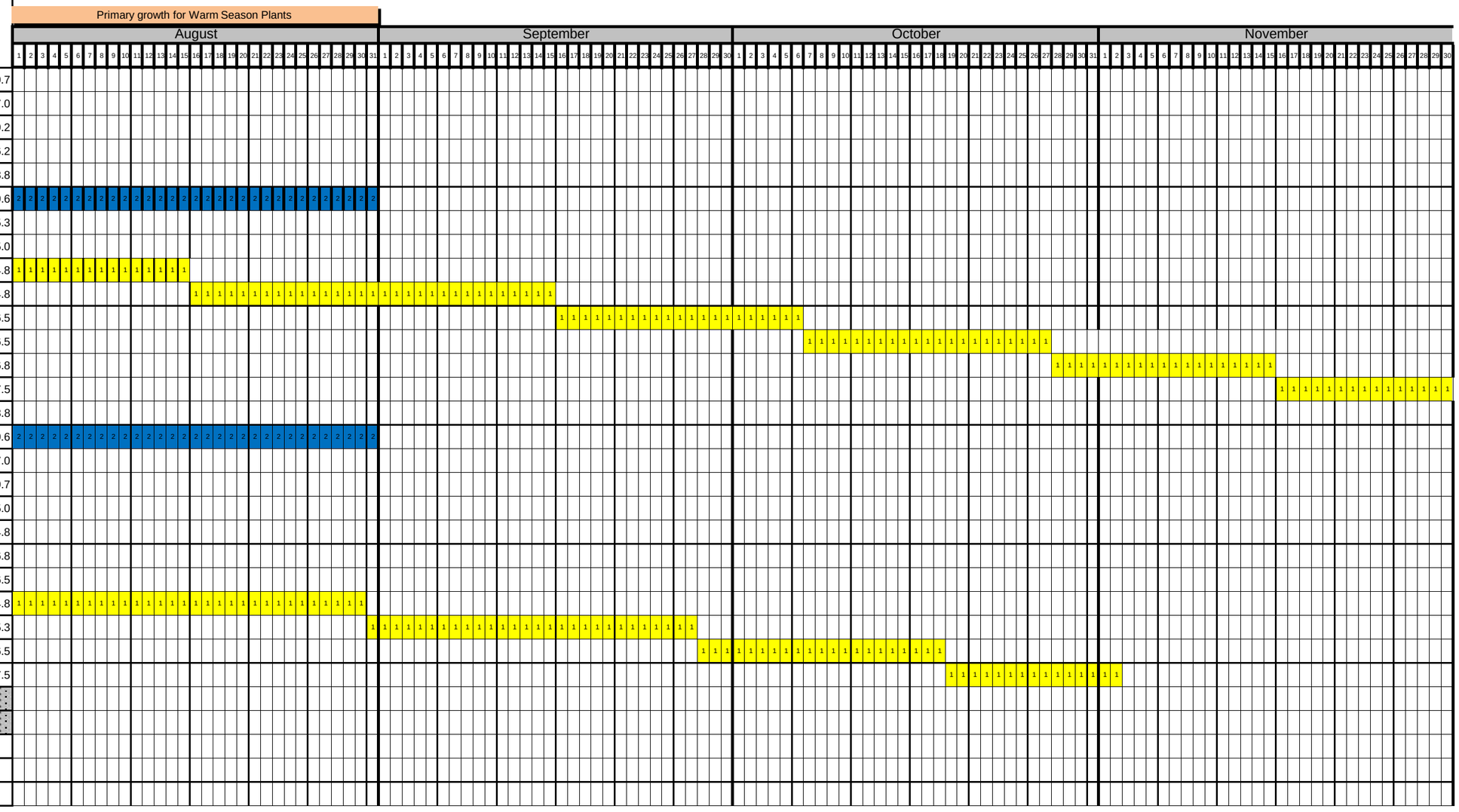
Instructions:

PLANNED GRAZING SYSTEM SCHEDULE - Page 2 of 2

Herd 1 | Herd 2 | Herd 3 | Herd 4

Cooperator: Oldham

Year	Tract-Field/ Past. No.	Acres	Animal Information: Animal Type	Animal Information: Number	Avail. AUM's	AUM's used
2014	T999-3	40.0	Cow, 1000 lb., 2 yr +	295	28	19.7
2014	T999-5	82.0	Cow, 1000 lb., 2 yr +	295	183	177.0
2014	T999-6	27.0	Cow, 1000 lb., 2 yr +	295	57	49.2
2014	T999-7	44.0	Cow, 1000 lb., 2 yr +	295	235	226.2
2014	T999-12	51.0	Replacement heifers	30	272	48.8
2014	T999-13	22.0	Replacement heifers	30	118	49.6
2014	T999-8	80.0	Cow, 1000 lb., 2 yr +	295	427	275.3
2014	T999-9	84.0	Cow, 1000 lb., 2 yr +	295	449	295.0
2014	T999-17	86.0	Cow, 1000 lb., 2 yr +	295	459	304.8
2014	T999-16	80.0	Cow, 1000 lb., 2 yr +	295	427	304.8
2014	T999-10	40.0	Cow, 1000 lb., 2 yr +	295	214	206.5
2014	T999-11	40.0	Cow, 1000 lb., 2 yr +	295	214	206.5
2014	T999-15	40.0	Cow, 1000 lb., 2 yr +	295	214	186.8
2014	T999-14	40.0	Cow, 1000 lb., 2 yr +	295	214	147.5
2015	T999-6	27.0	Replacement heifers	30	57	48.8
2015	T999-7	44.0	Replacement heifers	30	235	49.6
2015	T999-5	82.0	Cow, 1000 lb., 2 yr +	295	183	177.0
2015	T999-3	40.0	Cow, 1000 lb., 2 yr +	295	28	19.7
2015	T999-17	86.0	Cow, 1000 lb., 2 yr +	295	459	295.0
2015	T999-16	80.0	Cow, 1000 lb., 2 yr +	295	427	304.8
2015	T999-15	40.0	Cow, 1000 lb., 2 yr +	295	214	186.8
2015	T999-10	40.0	Cow, 1000 lb., 2 yr +	295	214	206.5
2015	T999-9	84.0	Cow, 1000 lb., 2 yr +	295	449	304.8
2015	T999-8	80.0	Cow, 1000 lb., 2 yr +	295	427	275.3
2015	T999-11	40.0	Cow, 1000 lb., 2 yr +	295	214	206.5
2015	T999-14	40.0	Cow, 1000 lb., 2 yr +	295	214	147.5
2015	T999-13	22.0	Cow, 1000 lb., 2 yr +	-	118	
2015	T999-12	51.0	Cow, 1000 lb., 2 yr +	-	272	



Forage Availability From Crop Aftermath Grazing (AUM's)

Yield Bushels/Acre

	20	25	30	35	40	45	50	55	60	70	75	80	85	90	95	100	105	110	120	125	130	135	140	150	175	200
Barley	0.18	0.23	0.27	0.32	0.36	0.41	0.46	0.50	0.55	0.64	0.68	0.73	0.77	0.82												
Corn							0.71	0.78	0.85	0.99	1.06	1.13	1.21	1.28	1.35	1.42	1.49	1.56	1.70	1.77	1.84	1.91	1.98	2.13	2.48	2.84
Millet	0.20	0.25	0.30	0.35	0.41	0.46	0.51	0.56	0.61																	
Oats	0.16	0.20	0.24	0.28	0.32	0.36	0.41	0.45	0.49	0.57	0.61	0.65	0.69	0.73	0.77	0.81										
Rye	0.21	0.27	0.32	0.37	0.43	0.48	0.53	0.58	0.64	0.74	0.80															
Sorghum	0.28	0.35	0.43	0.50	0.57	0.64	0.71	0.78	0.85	0.99	1.06	1.13	1.21	1.28	1.35	1.42										
Soybeans	0.19	0.24	0.28	0.33	0.38	0.43	0.47	0.52	0.57	0.66	0.71	0.76														
Spring Wheat	0.20	0.25	0.30	0.35	0.39	0.44	0.49	0.54	0.59	0.69	0.74	0.79														
Winter Wheat	0.26	0.32	0.39	0.45	0.52	0.58	0.65	0.71	0.77	0.90	0.97	1.03														

Grass Hay Aftermath Grazing (AUM's)

Production/Fertility Level - AUM's/Ac

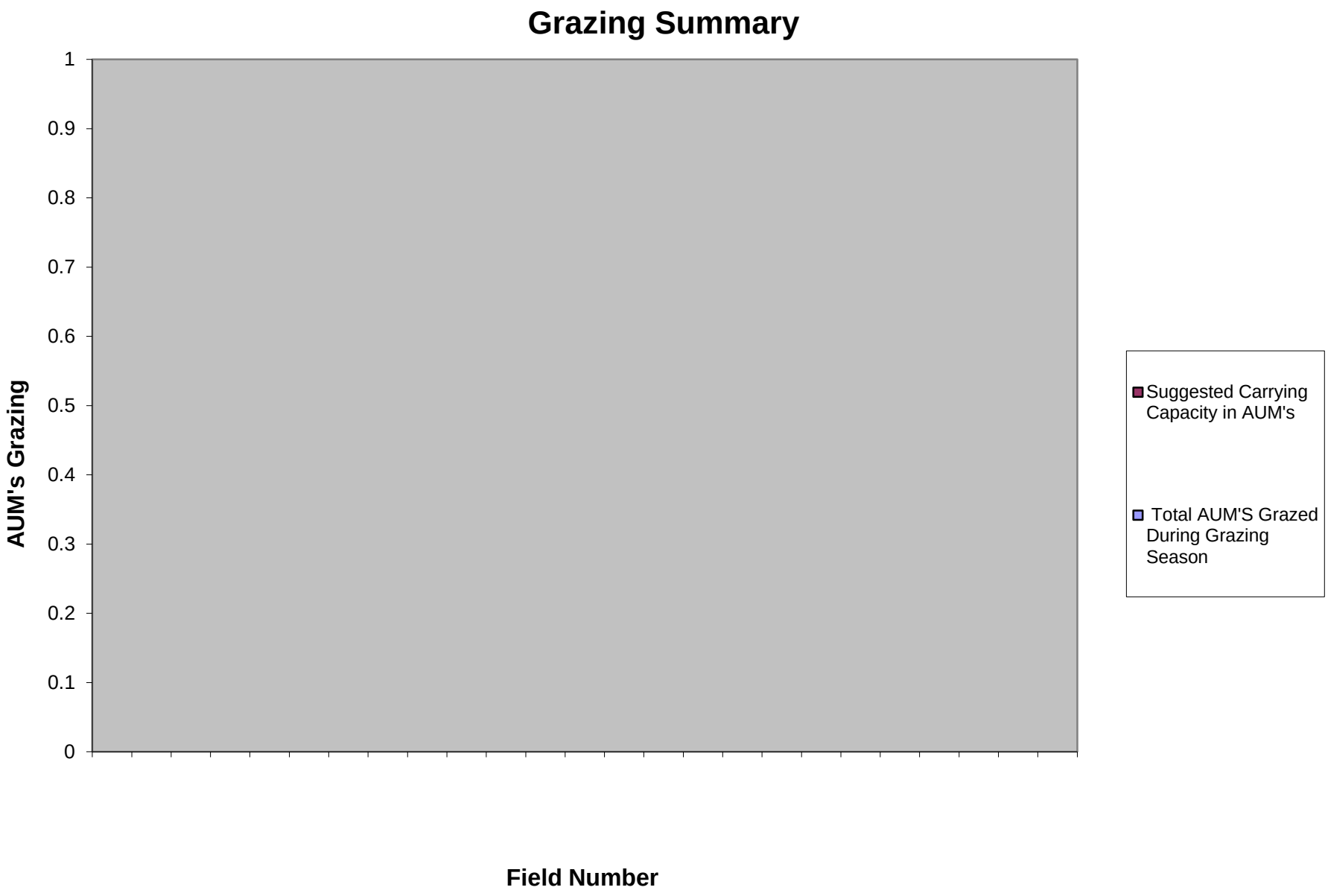
	Max		High		Mod		low		Very Low
Irrigated Hay	1.50		1.25		1.00		0.75		0.50
> 17" PZ	0.70		0.60		0.50		0.40		0.30
14-17" PZ	0.50		0.45		0.40		0.30		0.20
12-14" PZ	0.30		0.25		0.20		0.15		0.10
< 12" PZ									

RECORD OF LIVESTOCK GRAZING

Client: Oldham Grazing Season Year: _____ Conservationist: SP

COMMENTS	Field	Animal Kind	Live-stock No.	A.U. Equiv.	Total Animal Units	Date In	Date Out	Days Grazed

Field Number	Pasture Acres	Suggested Carrying Capacity in AUM's	Total AUM'S Grazed During Grazing Season	Key Species	Degree of Use (% by weight) or Remaining Leaf Length (inches)	Actual AUM's Grazed


Grazing Summary
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
AUM's Grazing
Field Number
Suggested Carrying Capacity in AUM's
Total AUM'S Grazed During Grazing Season

0
0
0
0
0
0

			List T*	
		List	List	
Unique Fie	Unique Fields		List	
LEASE	**LEASE**	**LEASE**	T999-1	
0	0	0	T999-10	T999-1
0	0	**OWNED**	T999-11	T999-10
0	0		T999-12	T999-11
0	0	T999-1	T999-13	T999-12
0	0	T999-10	T999-14	T999-13
0	0	T999-11	T999-15	T999-14
OWNED	**OWNED**	T999-12	T999-16	T999-15
T999-1		T999-13	T999-17	T999-16
T999-2		T999-14	T999-2	T999-17
T999-3		T999-15	T999-3	T999-2
T999-3		T999-16	T999-4	T999-3
T999-4		T999-17	T999-5	T999-4
T999-4		T999-2	T999-6	T999-5
T999-5		T999-3	T999-7	T999-6
T999-5		T999-4	T999-8	T999-7
T999-5		T999-5	T999-9	T999-8
T999-6		T999-6		T999-9
T999-6		T999-7		

T999-7
T999-8
T999-9
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T999-8
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	T999-1
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	T999-4
	T999-5
	T999-5
	T999-5
	T999-6
	T999-6
	T999-7
	T999-8
	T999-9

Unique Fie Unique Fields

LEASE	LEASE	LEASE	
	0	0	0
	0	0	OWNED
	0	0	
	0	0	
	0	0	
	0	0	
OWNED	OWNED		