

TREND

DATA

FOR

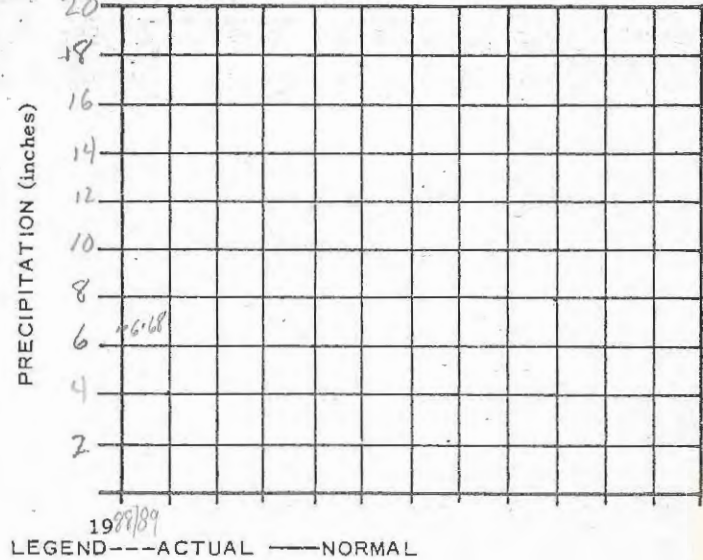
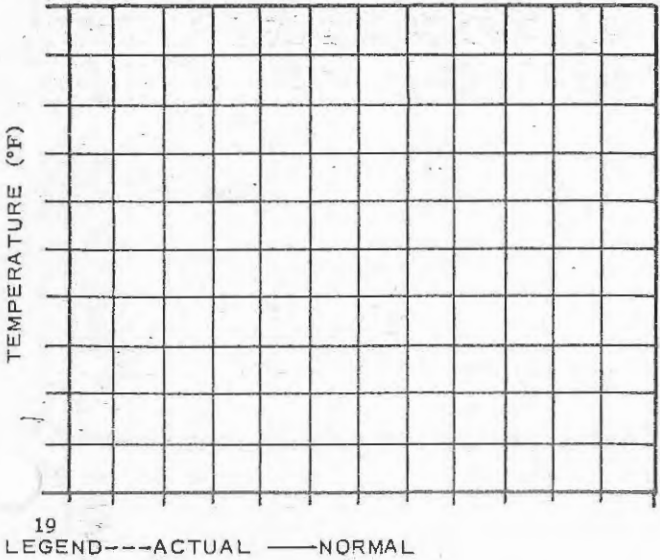
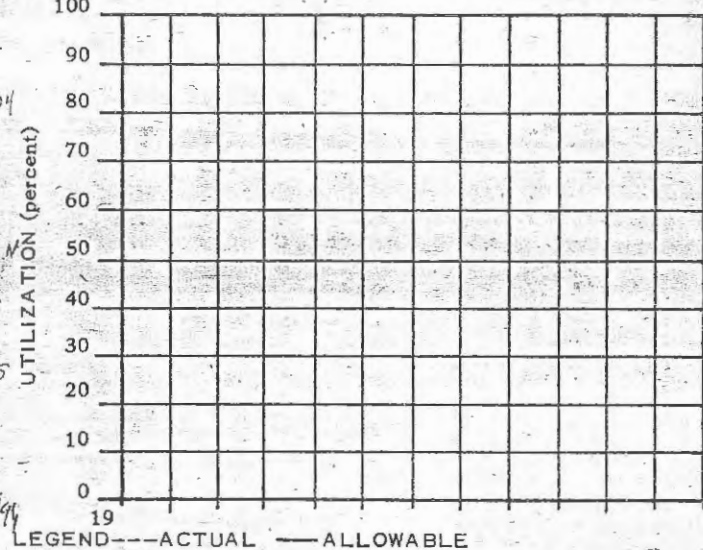
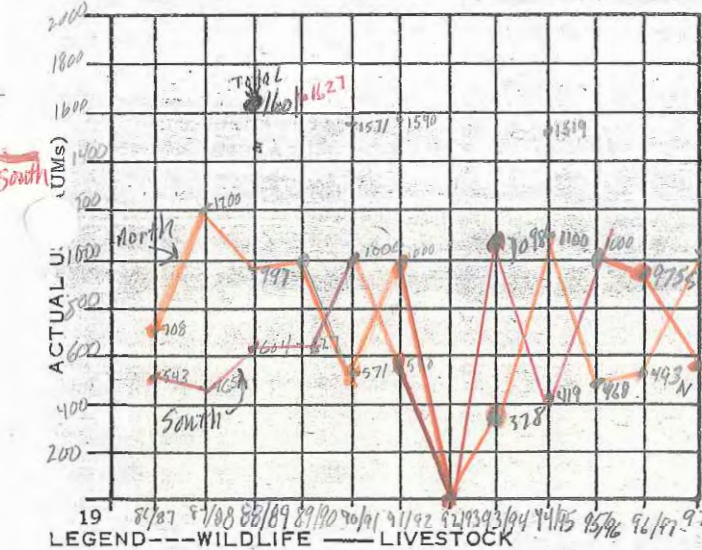
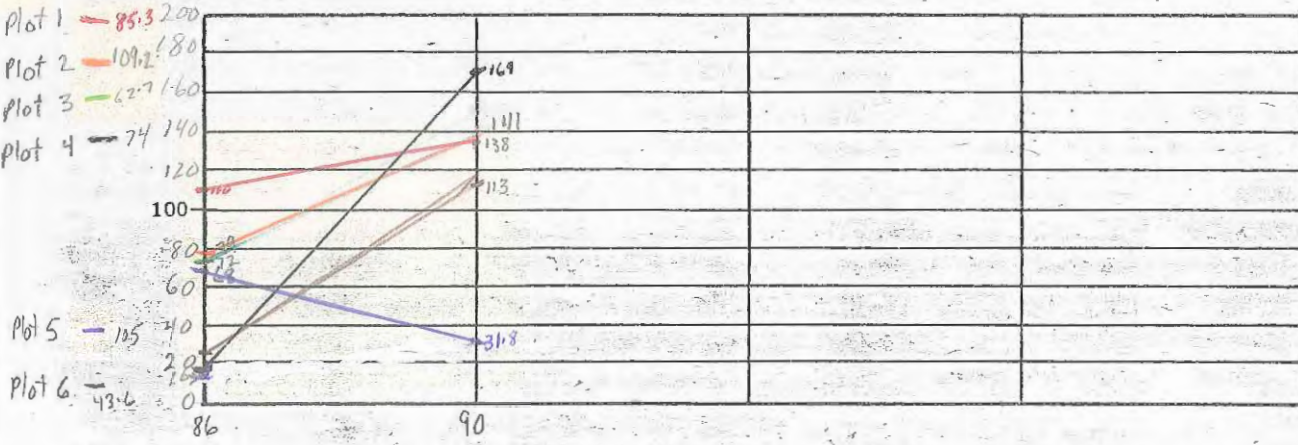
EAST GRASSY ALLOTMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ALLOTMENT EVALUATION SUMMARY

District _____
Planning Unit _____ Date _____

Allotment _____ Type of Management _____

TREND INDEX



1987/88 88/89 89/90 90/91 91/92 92/93 93/94 94/95 95/96 96/97 97/98 98/99
LEGEND---ACTUAL ---NORMAL

1987/88 88/89 89/90 90/91 91/92 92/93 93/94 94/95 95/96 96/97 97/98 98/99
LEGEND---ACTUAL ---NORMAL

ALLOTMENT EVALUATION SUMMARY

District

SALT LAKE

Planning Unit

SKULL VALLEY

Date

8/19/69

Allotment

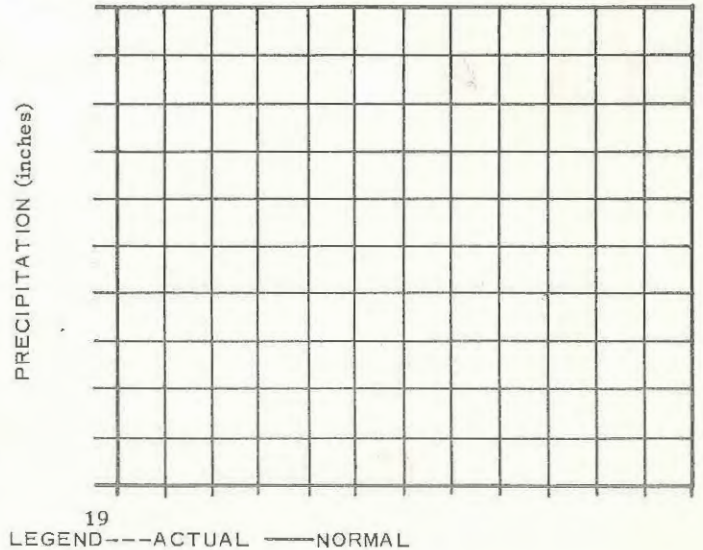
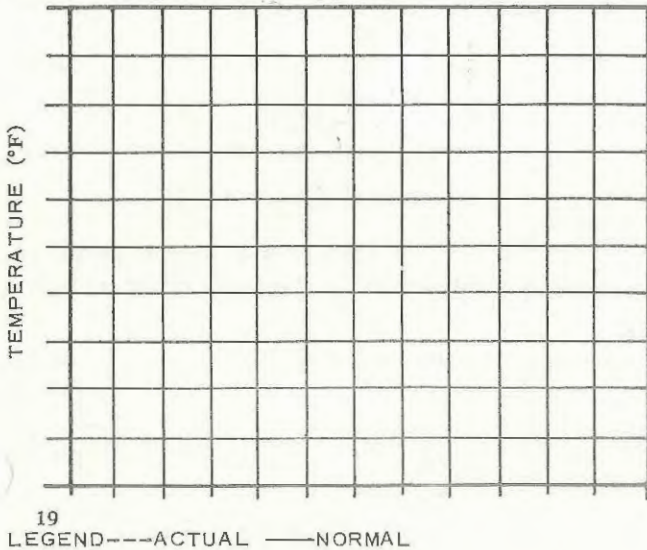
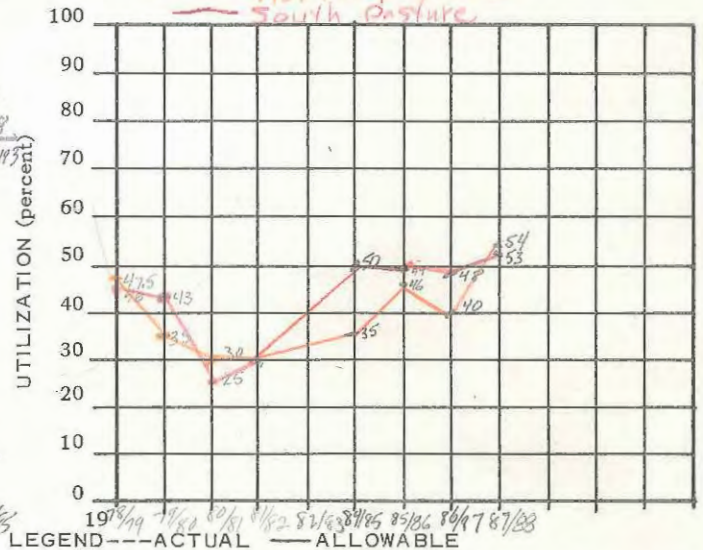
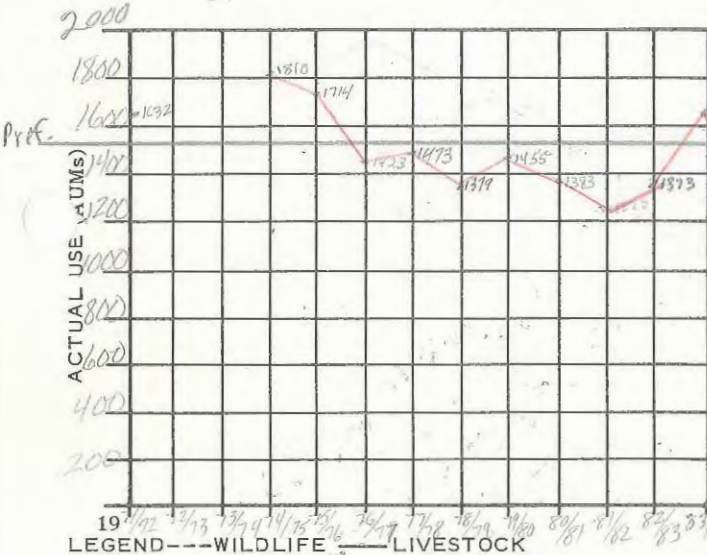
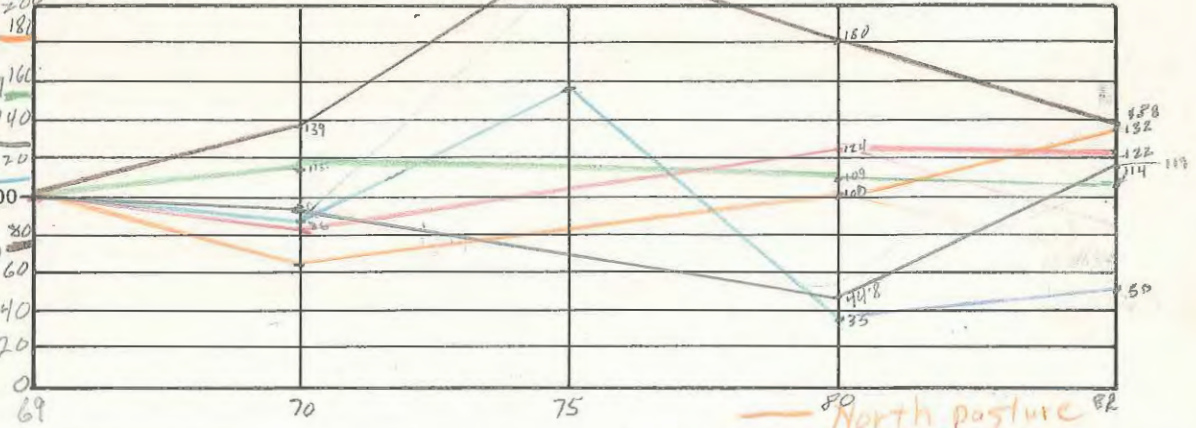
BYRAM

Type of Management

DEFERRED ROTATION

100 =
Plot 1 = 85.3
Plot 2 = 109.2
Plot 3 = 62.7
Plot 4 = 74
Plot 5 = 105
Plot 6 = 43.6

TREND INDEX



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ALLOTMENT EVALUATION SUMMARY

District

SALT LAKE

Planning Unit

SKULL VALLEY

Date

8/19/69

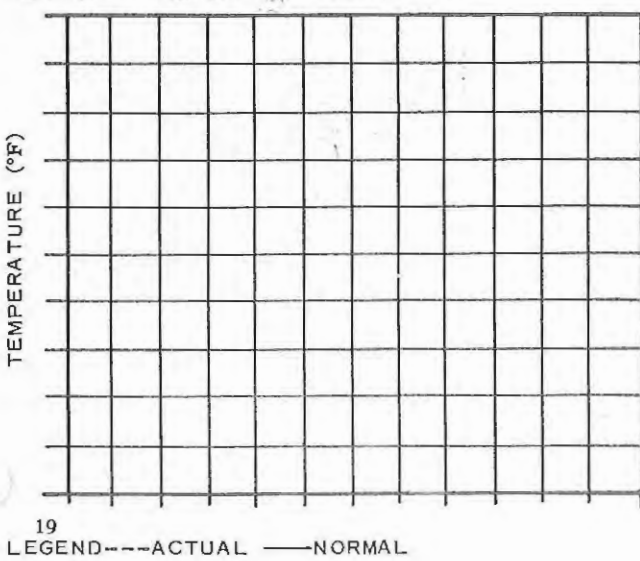
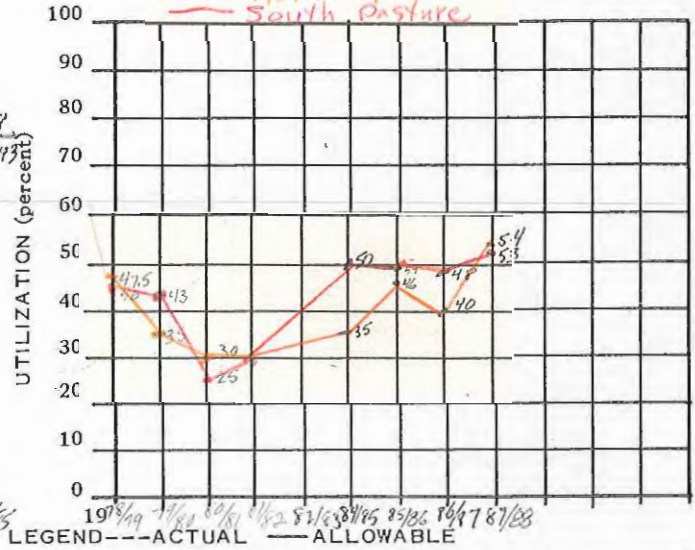
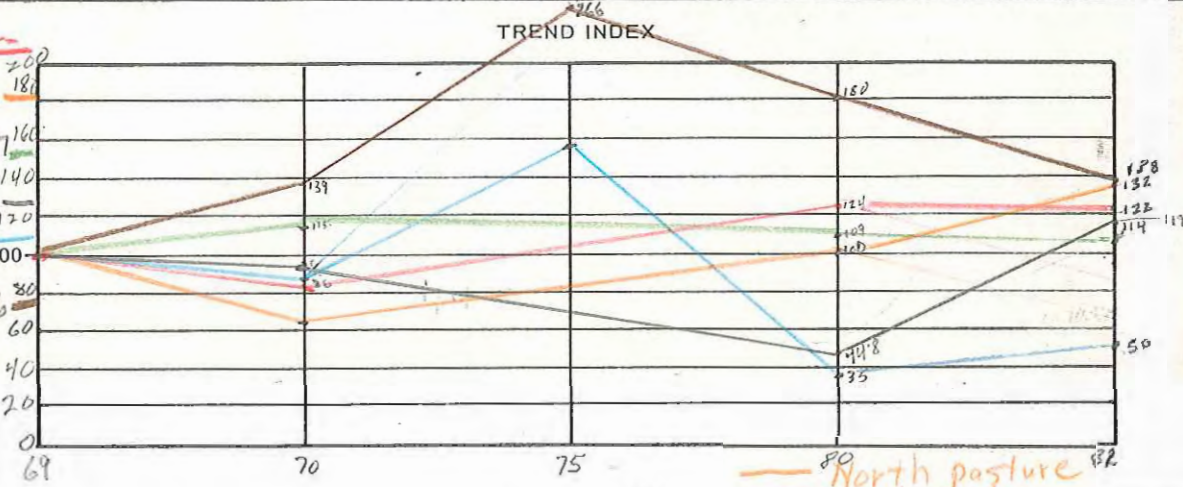
Allotment

RYRAM

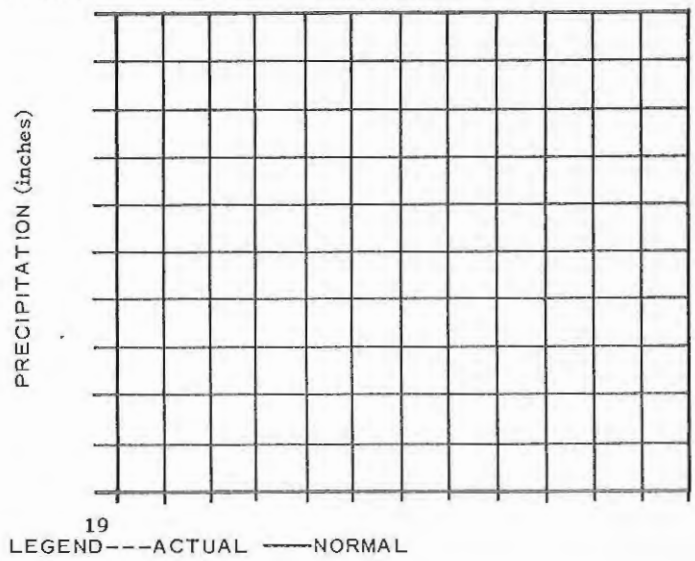
Type of Management

DEFERRED ROTATION

100 =
Plot 1 = 85.3
Plot 2 = 109.2
Plot 3 = 62.7
Plot 4 = 74
Plot 5 = 105
Plot 6 = 43.6



19
LEGEND---ACTUAL —NORMAL



19
LEGEND---ACTUAL —NORMAL

Byram Allotment

Range Study #1

Six miles northwest on road from Low to old corral. Then, .25 miles north on graded road to red, steel post. Plot is 55 steps north of red post.

Range Study #2

Same procedure as #1. Plot is 68 steps west of red post.

Range Study #3

3 mi. S. of well #78.
2.2 miles northeast along road from range study plots 1 and 2 to road junction. Then, .25 miles north to red, steel post. Plot is 37 steps northwest from red post.

Range Study #4

Same procedure as #3. Plot #4 is 41 steps southwest from red post.

Range Study #5

From Low, 1.5 miles west to South ^PRuddle Valley well. Then, .85 miles westerly to red, steel post. The plot is 28 steps NNW from red post.

Range Study #6

Same procedure as plot #5. The plot is 21 steps west of the red post.

Ripple Valley

ALLOTMENT	EAST GRASSY								
DATE	8/19/1970								
PLOT	EG-1								
	NUMBER		1/16 SQ. FT.	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings	UNITS	Cover	Composition				
<i>Grasses (basal cover)</i>						<i>Composition, Key Species</i>		55.6	
ORHY	1		4	1	11.1	<i>Cover, Live Vegetation</i>		15.62	
ELSA	1		2	0.5	11.1	<i>Seedlings, Key Species</i>		0	
						<i>Litter, Plot Total</i>		0.5	
						TOTAL		71.72	
TOTAL	2	0	6	1.5	22.2				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
ARNO	3		37	9.25	33.4				
CHVI	2		18.5	4.62	22.2				
ATCO	1		DEAD	0	11.1				
EULA	1		1	0.25	11.1				
TOTAL	7	0	56.5	14.12	77.8				
LITTER			2	0.5					
PLOT TOTAL	9	0	62.5	16.12	100				

ALLOTMENT	EAST GRASSY								
DATE	6/19/1990								
PLOT	EG-1								
	NUMBER		1/16 SQ. FT	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings	UNITS	Cover	Composition				
<i>Grasses (basal cover)</i>									
ORHY	2		2.2	0.55	4			<i>Composition, Key Species</i> 91	
ELSA	3		8	2	14			<i>Cover, Live Vegetation</i> 13.86	
								<i>Seedlings, Key Species</i> 2	
								<i>Litter, Plot Total</i> 10.6	
								TOTAL 117.46	
TOTAL	5	0	10.2	2.55	18				
<i>Forbs (basal cover)</i>									
ANN FORB	2		0.7	0.18	1.3				
TOTAL	2	0	0.7	0.18	1.3				
<i>Browse (foliage cover)</i>									
ARNO	3	2	40.5	10.13	73				
CHVI	2		4.2	1	7.2				
TOTAL	5	2	44.7	11.13	80.2				
LITTER				10.6					
PLOT TOTAL	12	2	55.6	24.46	99.5				

ALLOTMENT	EAST GRASSY								
DATE	6/18/1986								
PLOT	EG-1								
	NUMBER		1/16 SQ. FT	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings	UNITS	Cover	Composition				
<i>Grasses (basal cover)</i>						<i>Composition, Key Species</i>		78.3	
ORHY	4		7.2	1.8	12.1	<i>Cover, Live Vegetation</i>		11.6	
ELSA	2		4	1	6.7	<i>Seedlings, Key Species</i>		1	
						<i>Litter, Plot Total</i>		3.18	
						TOTAL		94.08	
TOTAL	6	0	11.2	2.8	18.8				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
ARNO	5	1	35.2	8.8	59.5				
TOTAL	5	1	35.2	8.8	59.5				
LITTER			12.7	3.18					
PLOT TOTAL	11	1	46.4	14.78	78.3				

1990

READING # 7

PLOT # 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District
Salt Lake
Resource Area
Pony Express
Date and Time 6-19-90 11:00AM
Examiner
Gary Kidd

Allotment Name

East Grassy

NUMBER

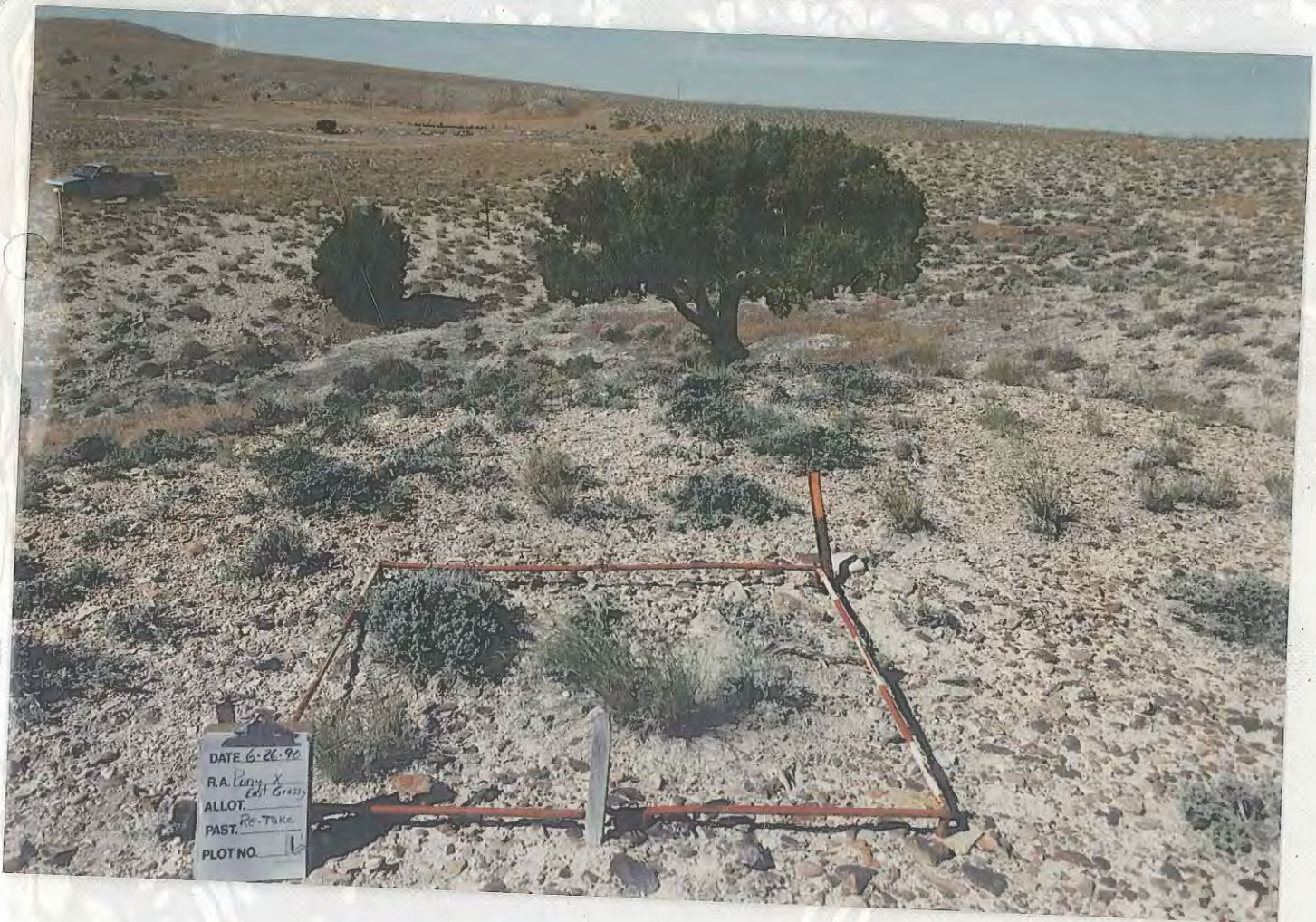
ALLOTMENT

PLOT

1

PART I - PLOT DATA BY SQUARE FOOT SECTION

SPECIES			MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	
GRASS	FORB	BROWSE																					
	(a)		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	
Orhy		Arno			2				2													2	(6)
	Karb										1			.2									
		LITTER			.1				.2					.5								.1	from (9)
Orhy		Arno	1		.2																		
			1		13				4					Trace							1.5	2	1.5 (20)
		LITTER			1				.5					2							.5		.5
Orhy		Chui					1		1					1.5		1					1.5		.2
		Arno			8		1		2		1			2.5								2	(14.5)
							1		.5														
		LITTER							.5					.3							.5		.2
Orhy	Elsa	Chui	1		2				.3		1			4		1					2		.5
		LITTER												3							.5		.1
Orhy	Elsa								Trace					.3									
			1		3.5																		(10.5)
		LITTER			Trace				Trace					Trace							Trace		



DATE 6-26-90
R.A. Perry X
Allot. East Grass
PAST. Re-Take
PLOT NO. 1



DATE 6-26-90
R.A. Perry X
Allot. East Grass
PAST. Re-Take
PLOT NO. 1

1986

READING # 6

PLOT # 1

UNIT STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District Salt Lake
Resource Area Pony Express
Date 6-18-86 1:00 pm
Examiner Kidd

RANGE TREND PLOT DATA

Allotment Name EAST Grassy

NUMBER	
ALLOTMENT	PLOT
<u>North</u>	<u>1</u>

PART I - PLOT DATA BY SQUARE FOOT SECTION

SPECIES			MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	
GRASS	FORB	BROWSE																					(a)
	Arno				6				1.5								1						.2
	Forb											1	1										
	LITTER					.2							1.5										
Orhy	Arno		1		14				4.5						1		.5				1	1	
	Chui				1								.5										
	LITTER					T			.5				3				2						.5
Orhy	Arno				6				5		1		2.5						1			1	
	Chui										1		1.5				.5					1.5	
	Forb											1	T										
	LITTER					.5			1				.2				.5						1
Elsa Orhy			1		2																		
	Chui								1				4		1		3						2
																	.5		1				
	LITTER								.1				.2				.5						1
Elsa Orhy			1		2																		
	Forb												T										
																	1		T				
	LITTER					T			T								T						T

PART II - SUMMARY OF PLOT DATA						PART III - PLOT DIAGRAM					
LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measurement) (e)	PERCENT						
	MATURE PLANTS (b)	SEED-LINGS (c)			COVER (f)	COMPOSITION (g)					
Grasses (Basal Cover)											
Orby	4		7.2		1.8	12.1					
El Sa	2		4		1	6.7					
TOTAL	6		11.2		2.8	18.9					
Forbs (Basal Cover)											
TOTAL											
Browse (Foliage Cover)											
Arno	5	1	35.2		8.8	59.5					
TOTAL			46.4		11.6	78.4					
Litter			12.7		3.18						
PLOT TOTAL					14.78	100					
						PART IV - TREND INDEX SUMMARY					
						Composition, Key Species (percent)	78.3				
						Cover, Live Vegetation (percent)	11.6				
						Seedlings, Key Species (number)	1				
						Litter, Plot Total (percent)	3.18				
						TOTAL	94.08				

GENERAL INSTRUCTIONS

Print one legible copy in field for each trend plot. File with Range Trend Plot Location Data (Form 4412-24) and photographs (see Bureau Manual 4115).

SPECIFIC INSTRUCTIONS

(Items not listed are self-explanatory)

PART I - PLOT DATA BY SQUARE FOOT SECTION

Record data for each 1' x 1' section of the plot

Column (a) - Use four letter plant symbol

Columns (b) & (c) - Enter number

Column (d) - Estimate - 1/16 sq. feet units covered by specie

Column (e) - Measure - Total sq. inches covered by specie

Note: Use either estimate or measurement for each species. Do not use both.

Total - Total data for each specie and enter (Part - II)

PART II - SUMMARY OF PLOT DATA

Column (e) - Measurement - $\frac{\text{Measured sq. inches (Column (e))}}{1296 (3' \times 3' \text{ plot}) \text{ or } 3600 (5' \times 5' \text{ plot})} \times 100 = \text{cover}$

Column (f) - Estimate - Multiply Column (d) by 0.7 (3' x 3' plot) or 0.25 (5' x 5' plot)

Column (g) - Composition - $\frac{\text{Cover (Column (f)) of specie}}{\text{Total cover (of plot in Column (f))}} \times 100 = \text{percent composition}$

no date, maybe 1986

plots
12

SECTION II - SPECIES LIST

SECTION III - SSF

SECTION II - SPECIES LIST					SECTION III - SSF	
SYMBOL	SYMBOL	SYMBOL	SYMBOL	SYMBOL	ITEM	RATING
					Soil Movement	
					Surface Litter	
					Surface Rock	
					Pedestalling	
					Flow Patterns	
					Rills	
					Gullies	
					TOTAL (SSF)	25

SECTION IV - STEP-POINT DATA (200 POINTS)

slight

er															POINT
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	Arno	Elsa					Atco				chvi			Atco	
B	B	NP	Elsa	G	B	B	G	Arto	B	B	R	B	B	B	
16	17	18	19	(20)	21	22	23	24	25	26	27	28	29	30	
				Arno	Elsa				Arno						
G	B	G	B	B	B	R	G	G	B	G	B	B	R	R	
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	
		Elsa	Elsa		Arno				Atco					Elsa	
G	B	B	B	G	B	B	B	Brie	NP	B	R	R	G	B	
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	
Arno				Brie							chvi			Atco	
NP	B	B	B	B	B	Naol	B	B	G	R	B	B	NP	NP	
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	
		Orly									Atco	Eula			
Arto	B	B	B	Atco		B	B	Atco	B	B	B	B	NP	B	
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	
Atco									Atco		Sily		Atco		
NP	B	NP	B	B	B	NP	NP	G	NP	P	Atco	B	B	NP	
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	

B B B B B B Atco B G Atco NP NP



1982

READING # 5

PLOT # 1

UNIT STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District
SALT LAKE
Resource Area
PERA
Date and Time 1:30 7/9/82
Examiner
KIDD/HAWKINS

RANGE TREND PLOT DATA

Allotment Name

EAST GRASSY

NUMBER

ALLOTMENT PLOT

EAST GRASSY 1

PART I - PLOT DATA BY SQUARE FOOT SECTION

SPECIES			MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES
GRASS	FORB	BROWSE																				
(a)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)		
		Arno			4.5				1													.2
Brte			4		7		3				5		7		5		7		5			
	Misc	Chui					1				1		1.3				.3					
		LITTER			.3				.2				.2									.1
Brte			5		7		14		7		4		7		20		.2		12			.1
		Arno	1		15				2.5								1		1.3			3.2
	Misc	Chui							1.2		1		5									
		Juos					1		.5													
Orhy				1	7																	
		LITTER			1				1.3				2				3					.2
Brte		Arno			4.5				4.5		1		3.5									2.5
Brte			5		7		4		7		6		.1		15		.2		25			.2
		Chui										1	7				1.5					2
Orhy													7									
		ArSP																	1			.5
		LITTER			1				1.5				1.3				2					.2
		Chui															3		1			3.5
Brte											4		7		12		7		5			7
Orhy											1		3				2					
	Misc										1		7									
Elsa			1		5																	
		LITTER			.5				1				.3				.6					.3
Elsa			1		4.5																	
Brte																			3			
		LITTER			.5				1				.5				.4					7

PART II - SUMMARY OF PLOT DATA							PART III - PLOT DIAGRAM			
LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measurement) (e)	PERCENT					
	MATURE PLANTS (b)	SEED-LINGS (c)			COVER (f)	COMPOSITION (g)				
Grasses (Basal Cover)										
ORHY	1	2	7		1.75	9.13				
ELSA	2		9.5		2.3	12.0				
TOTAL										
Forbs (Basal Cover)										
MISC	3		8		1.2	1.0				
TOTAL										
Browse (Foliage Cover)										
ARND	3		43.4		10.8	56.3				
CHVF	2	1	16.5		4.1	21.4				
TOTAL					19.15					
Litter			21.3		5.3					
PLOT TOTAL										

PART IV - TREND INDEX SUMMARY	
Composition, Key Species (percent) ^{ARND ELSA} _{ORHY ELSA}	77.4
Cover, Live Vegetation (percent)	19.15
Seedlings, Key Species (number)	2
Litter, Plot Total (percent)	5.3
TOTAL	104

GENERAL INSTRUCTIONS

85.3 TOTAL FROM FIRST TREND DATA

Print one legible copy in field for each trend plot. File with Range Trend Plot Location Data (Form 4412-24) and photographs (see Bureau Manual 4115).

SPECIFIC INSTRUCTIONS

(Items not listed are self-explanatory)

104 / 95.3 =

PART I - PLOT DATA BY SQUARE FOOT SECTION

Record data for each 1' x 1' section of the plot

122 TREND INDEX

- Column (a) - Use four letter plant symbol
- Columns (b) & (c) - Enter number
- Column (d) - Estimate - 1/16 sq. feet units covered by specie
- Column (e) - Measure - Total sq. inches covered by specie
- Note: Use either estimate or measurement for each species. Do not use both.
- Total - Total data for each specie and enter (Part - II)

PART II - SUMMARY OF PLOT DATA

- Column (e) - Measurement - $\frac{\text{Measured sq inches (Column (e))}}{1296 (3' \times 3' \text{ plot}) \text{ or } 3600 (5' \times 5' \text{ plot})} \times 100 = \text{cover}$
- Column (f) - Estimate - Multiply Column (d) by 0.7 (3' x 3' plot) or 0.25 (5' x 5' plot)
- Column (g) - Composition - $\frac{\text{Cover (Column (f)) of specie}}{\text{Total cover (of plot in Column (f))}} \times 100 = \text{percent composition}$



1980

READING # 4

PLOT # 1



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District Salt Lake
Resource Area Pony Express
Date and Time 7/12/85 11:30
Examiner Kidd-Lichtardt

Allotment Name

FAST GRASSY

NUMBER

ALLOTMENT

PLOT

South pasture

1

PART I - PLOT DATA BY SQUARE FOOT SECTION

SPECIES			MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES
GRASS	FORB	BROWSE																				
	(a)		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)
		Arno			4				1.2													
	UNKI										2		.2									
		Chvi											2								2	.1
Brte																						
	LITTER				.1				.1				-									
		Arno	1		10				3.5		1		4		1		2				4	2.5
		Chvi			1				.2						2		.1			2	.1	
Brte																						
	LITTER				.2				.2				2				.2					.1
		Arno	1		5				5		1		3								1	4.5
		Chvi							1							2					4	2
Brte							2		.1													.1
	UNKI										1		.3									
		Cela																		1		.5
Orhy															1		.1					
	LITTER				2				1				.5				1.2					1
Orhy			1						.1		1		4.5				1					
		Chvi													1		3.2					2.5
		Arno																				
	UNKI												4.1									
		Cela														1						
Elsa			1		2																	
	LITTER				.1				.1				4.5				1					
Orhy			1		2																	
Elsa																						
	LITTER				.1				.1				.1									

PART II - SUMMARY OF PLOT DATA							PART III - PLOT DIAGRAM					
LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measurement) (e)	PERCENT							
	MATURE PLANTS (b)	SEED-LINGS (c)			COVER (f)	COMPOSITION (g)						
Grasses (Basal Cover)												
Brite	12		.5		.1							
Orby	2		4.7		1.2	7						
Fisc	2		4		1	6						
TOTAL												
Forbs (Basal Cover)												
Unt 1	3	4	.6		.2	1						
TOTAL												
Browse (Foliage Cover)												
Arno	5	5	41.4		10.3	15 63				78		
Ch vi	1		12.9		3.2	20				16.3		
Eula	1	1	1		.3	2				6		
TOTAL							16	10	65.1	16.3		5.5
Litter			21.8		5.5							
PLOT TOTAL									21.8	99		105.8
							PART IV - TREND INDEX SUMMARY					
							Composition, Key Species (percent) Arno, Eula, Orby, Fisc		78			
							Cover, Live Vegetation (percent)		16.3			
							Seedlings, Key Species (number)		6			
							Litter, Plot Total (percent)		5.5			
							TOTAL		105.8			

GENERAL INSTRUCTIONS

Print one legible copy in field for each trend plot. File with Range Trend Plot Location Data (Form 4412-24) and photographs (see Bureau Manual 4115).

SPECIFIC INSTRUCTIONS

(Items not listed are self-explanatory)

PART I - PLOT DATA BY SQUARE FOOT SECTION

Record data for each 1' x 1' section of the plot

Column (a) - Use four letter plant symbol

Columns (b) & (c) - Enter number

Column (d) - Estimate - 1/16 sq. feet units covered by specie

Column (e) - Measure - Total sq. inches covered by specie

Note: Use either estimate or measurement for each species. Do not use both.

Total - Total data for each specie and enter (Part - II)

PART II - SUMMARY OF PLOT DATA

Column (e) - Measurement - $\frac{\text{Measured sq. inches (Column (e))}}{1296 (3' \times 3' \text{ plot}) \text{ or } 3600 (5' \times 5' \text{ plot})} \times 100 = \text{cover}$

Column (f) - Estimate - Multiply Column (d) by 0.7 (3' x 3' plot) or 0.25 (5' x 5' plot)

Column (g) - Composition - $\frac{\text{Cover (Column (f)) of specie}}{\text{Total cover (of plot in Column (f))}} \times 100 = \text{percent composition}$

1976

READING # 3

PLOT # 1



1970

READING # 2

PLOT # 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District Salt Lake
Date 8/19/70
Examiner J. Perkins

RANGE TREND PLOT DATA

Allotment <u>Beyan</u>	Pasture <u>North</u>	Key Species <u>Elsa</u>	Elevation
Grazing System <u>deferred rotation</u>	PLOT		Slope
Treatment	Number <u>1</u>	Size <u>5x5</u>	<u>Arno</u>
	Vegetative Type <u>desert shrub</u>		Exposure <u>SE</u>
		<u>Eula</u>	

LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measure- ment) (e)	PERCENT		SIZE OF INDIVIDUAL PLANTS (A = TT ab) (h)
	MATURE PLANTS (b)	SEED- LINGS (c)			COVER (f)	COMPO- SITION (g)	
Grasses (Basal Cover)							
<u>Ohry</u>	<u>1</u>		<u>4</u>		<u>1.0</u>	<u>11.1</u>	<u>4</u>
<u>Elsa</u>	<u>1</u>		<u>2</u>		<u>.5</u>	<u>11.1</u>	<u>2</u>
TOTAL							
Forbs (Basal Cover)							
TOTAL							
Browse (Foliage Cover)							
<u>Arno</u>	<u>3</u>		<u>37</u>		<u>9.25</u>	<u>33.4</u>	<u>6-2-1 15 13</u>
<u>Chvi</u>	<u>2</u>		<u>18.5</u>		<u>4.62</u>	<u>22.2</u>	<u>846-</u>
<u>Atco</u>	<u>1</u>		<u>dead</u>		<u>-</u>	<u>11.1</u>	
<u>Eula</u>	<u>1</u>		<u>1</u>		<u>.25</u>	<u>11.1</u>	<u>1</u>
TOTAL							
Litter			<u>2</u>		<u>.5</u>		<u>11</u>
PLOT TOTAL					<u>16.12</u>	<u>100</u>	

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	<u>55.60</u>
Cover, Live Vegetation (percent)	<u>15.62</u>
Seedlings, Key Species (number)	<u>0</u>
Litter, Plot Total (percent)	<u>.5</u>
TOTAL	<u>71.72</u>

85.3 = 100
71.72 = X

SPECIFIC INSTRUCTIONS

Column

- (d) Each 1/16 sq. ft. unit = 0.7 percent, 3 x 3 ft. plot; 0.25 percent, 5 x 5 ft. plot
- (h) Record length and breadth - Divide by 2 for major and minor radii
1. Circle understory plants
 2. Do not use understory plants in computing cover
 3. In Trend Index Summary, cover live vegetation may be either total plot cover or cover of key species only

GENERAL INSTRUCTIONS

APPARENT TREND DATA

On-site Analysis (write concise narration of items listed below)

1. Soil stability, active erosion
2. Relative plant composition:
 - a. desirable vs. undesirable
 - b. protected vs. unprotected
3. Vigor - size, number of culms, growth, seedheads, etc
4. Reproduction
5. Evidence of grazing - past and present
6. Apparent trend

Revisitation Analysis

Compare with previous analysis. Note change in species, soil cover, litter, amount of erosion, etc. Use extra sheets, if necessary.

1. Mod erosion - vegetation on pedestals.
2. Area is scattered throughout with Chv, Tesp, B etc.
Plants unprotected with the exception of a "few" grasses
3. Vigor is good.
4. Very little up
5. Sheep droppings & corral 1/2 mi. away.
6. Static to slightly down.



DATE 8-19-70
DIST SALT LAKE
ALLOT BJKMM
PASTURE NORTH
PLOT NO. 1

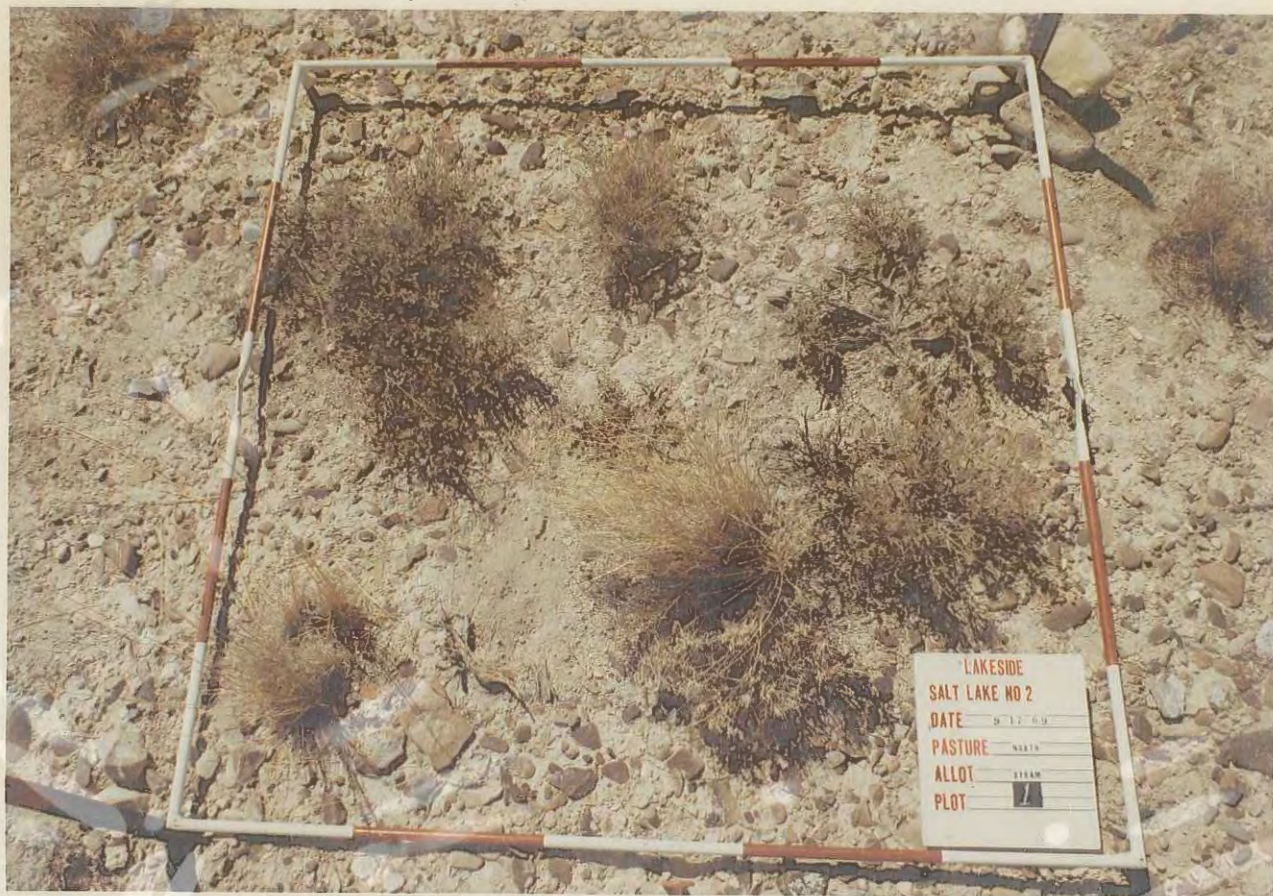


DATE 8-19-70
DIST SALT LAKE
ALLOT BJKMM
PASTURE NORTH
PLOT NO. 1

1969

READING # 1

PLOT # 1



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District
SALT LAKE
Date
8-13-69
Examiner
Corbin B. ...

RANGE TREND PLOT DATA

55 Steps North of Red Top Post

Allotment <u>Bureau</u>	Pasture <u>North</u>	Key Species <u>ELSA</u>	Elevation
Grazing System <u>DEFERRED ROTATION</u>	PLOT Number <u>1</u> Size <u>3x5'</u>		Slope
Treatment	Vegetative Type <u>SAGEBRUSH-GRASS</u>	<u>ELSA</u>	Exposure <u>SOUTHEAST</u>

LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate)	TOTAL SQ. IN. (measure- ment)	PERCENT		SIZE OF INDIVIDUAL PLANTS (A = TT ab) (h)
	MATURE PLANTS (b)	SEED- LINGS (c)			COVER (f)	COMPO- SITION (g)	
Grasses (Basal Cover)							
<u>Orch (Indian Rice)</u>	<u>1</u>		<u>3</u>		<u>.75</u>	<u>11.1</u>	
<u>ELSA (Saline Wild Top)</u>	<u>1</u>		<u>2</u>		<u>.5</u>	<u>11.1</u>	
TOTAL			<u>5</u>				
Forbs (Basal Cover)							
TOTAL							
Browse (Foliage Cover)							
<u>Arno (Black Spine)</u>	<u>3</u>		<u>29 1/2</u>		<u>7.375</u>	<u>33.4</u>	
<u>Chv1 Rabbit Brush</u>	<u>2</u>		<u>11 1/2</u>		<u>2.875</u>	<u>22.2</u>	
<u>PLCO (Shrub Sage)</u>	<u>1</u>		<u>7 1/2</u>		<u>1.875</u>	<u>11.1</u>	
<u>Eula (Winter fat)</u>	<u>1</u>		<u>1</u>		<u>.250</u>	<u>11.1</u>	
TOTAL			<u>49.5</u>		<u>13.625</u>	<u>100.0</u>	
Litter							
PLOT TOTAL							

12-16 1/2
1-1-5
9
33.4
22.2
11.1
11.1
66.7

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	<u>66.7</u>
Cover, Live Vegetation (percent)	<u>13.6</u>
Seedlings, Key Species (number)	
Litter, Plot Total (percent)	<u>5</u>
TOTAL	<u>85.3</u>

Key Sp.
Orch
Arno
Eula
ELSA

SPECIFIC INSTRUCTIONS

Column

- (d) Each 1/16 sq. ft. unit = 0.7 percent, 3 × 3 ft. plot; 0.25 percent, 5 × 5 ft. plot
- (h) Record length and breadth – Divide by 2 for major and minor radii
1. Circle understory plants
 2. *Do not use* understory plants in computing cover
 3. In Trend Index Summary, cover live vegetation may be either total plot cover or cover of key species only

GENERAL INSTRUCTIONS

APPARENT TREND DATA

On-site Analysis (write concise narration of items listed below)

1. Soil stability, active erosion
2. Relative plant composition:
 - a. desirable vs. undesirable
 - b. protected vs. unprotected
3. Vigor—size, number of culms, growth, seedheads, etc
4. Reproduction
5. Evidence of grazing—past and present
6. Apparent trend

Revisitation Analysis

Compare with previous analysis. Note change in species, soil cover, litter, amount of erosion, etc. Use extra sheets, if necessary.

Byram Allotment

Range Study #1

Six miles northwest on road from Low to old corral. Then, .25 miles north on graded road to red, steel post. Plot is 55 steps north of red post.

Range Study #2

Same procedure as #1. Plot is 68 steps west of red post.

Range Study #3

3 mi. S. of well #78.
2.2 miles northeast along road from range study plots 1 and 2 to road junction. Then, .25 miles north to red, steel post. Plot is 37 steps northwest from red post.

Range Study #4

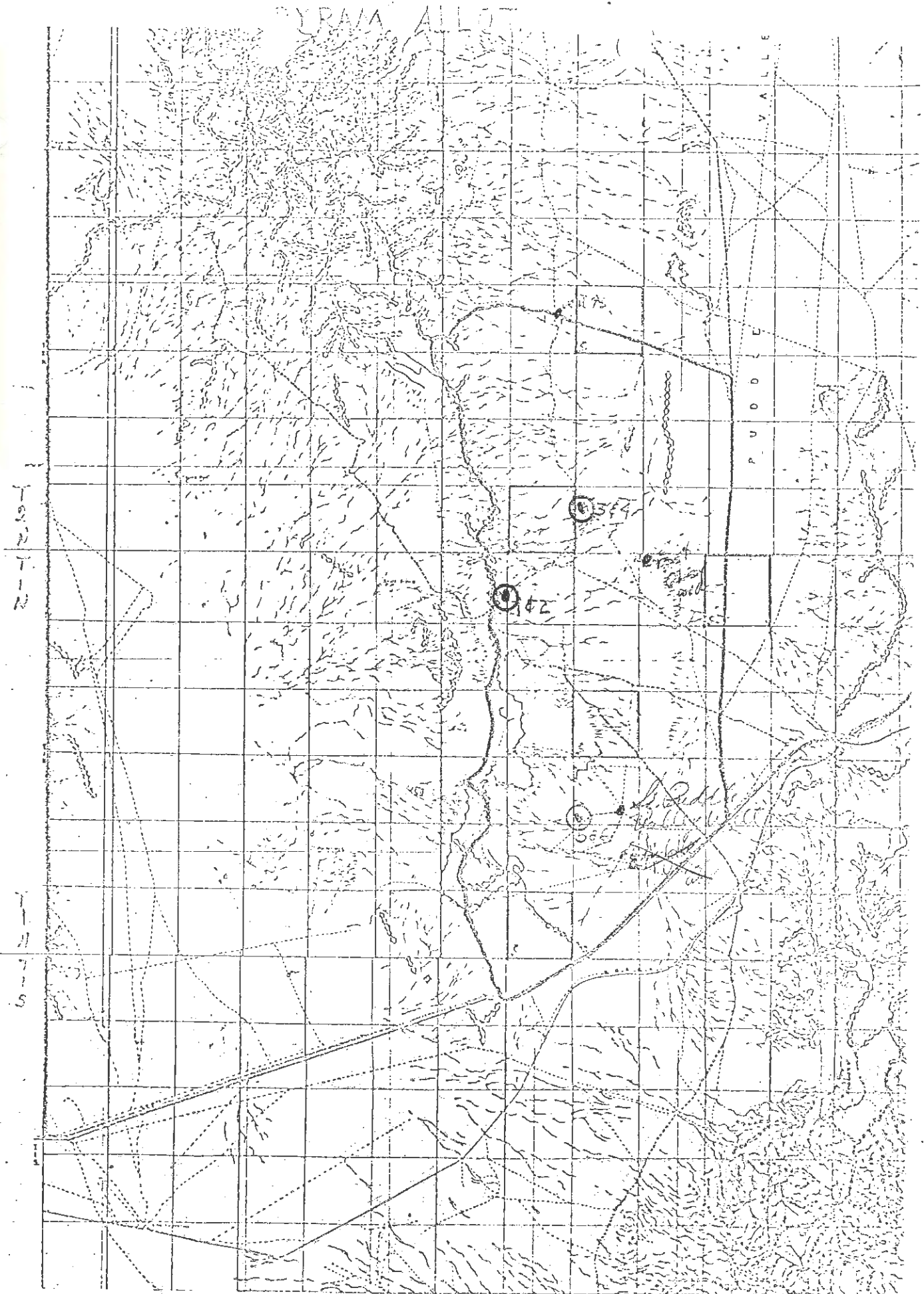
Same procedure as #3. Plot #4 is 41 steps southwest from red post.

Range Study #5

From Low, 1.5 miles west to South ^PRuddle Valley well. Then, .85 miles westerly to red, steel post. The plot is 28 steps NNW from red post.

Range Study #6

Same procedure as plot #5. The plot is 21 steps west of the red post.



O-RANGE STUDY PLOTS

ALLOTMENT	EAST GRASSY								
DATE	7/17/1980								
PLOT	EG-2								
	NUMBER		1/16 SQ. FT	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings	UNITS	Cover	Composition				
<i>Grasses (basal cover)</i>									
ELSA	4	4	20.4	5.1	26		<i>Composition, Key Species</i>	82	
POSE	10		0.6	0.2	1		<i>Cover, Live Vegetation</i>	19.5	
BRTE	31		1	0.3	0.2		<i>Seedlings, Key Species</i>	4	
							<i>Litter, Plot Total</i>	3.7	
							TOTAL	109.2	
TOTAL	45	4	22	5.6	27.2				
<i>Forbs (basal cover)</i>									
ANN FORB	40		0.4	0.1	0				
TOTAL	40	0	0.4	0.1	0				
<i>Browse (foliage cover)</i>									
ARNO	.		33.1	8.3	43				
EPNE	1		22	5.5	28				
TOTAL	1	0	55.1	13.8	71				
LITTER			14.6	3.7					
PLOT TOTAL	86	4	77.5	23.2	98.2				

1990

READING # 7

PLOT # 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District
Salt Lake
Resource Area
Pony Express
Date and Time
6-19-80 (11:45 AM)
Examiner
Gary Kidd

RANGE TREND PLOT DATA

Allotment Name

EAST Grassy

NUMBER	
ALLOTMENT	PLOT
	<i>2</i>

PART I - PLOT DATA BY SQUARE FOOT SECTION

SPECIES			MATURE PLANTS (b)	SEEDLINGS (c)	1/16 UNITS (d)	TOTAL SQ. INCHES (e)	MATURE PLANTS (b)	SEEDLINGS (c)	1/16 UNITS (d)	TOTAL SQ. INCHES (e)	MATURE PLANTS (b)	SEEDLINGS (c)	1/16 UNITS (d)	TOTAL SQ. INCHES (e)	MATURE PLANTS (b)	SEEDLINGS (c)	1/16 UNITS (d)	TOTAL SQ. INCHES (e)	MATURE PLANTS (b)	SEEDLINGS (c)	1/16 UNITS (d)	TOTAL SQ. INCHES (e)		
GRASS	FORB	BROWSE																						
<i>ELsa</i>			<i>1</i>		<i>10</i>			<i>1</i>	<i>2</i>															<i>1.5</i>
		LITTER			<i>.5</i>									<i>1</i>										<i>.5</i>
<i>Elsa</i>			<i>1</i>		<i>10</i>			<i>2</i>	<i>2</i>												<i>1</i>	<i>1</i>	<i>8</i>	
<i>POSE</i>											<i>2</i>			<i>.5</i>										
		LITTER			<i>1</i>				<i>4</i>					<i>10</i>							<i>2</i>		<i>1</i>	<i>18</i>
<i>POSE</i>											<i>4</i>			<i>.2</i>		<i>2</i>				<i>.1</i>				
<i>FLsa</i>		<i>Arno</i>			<i>2</i>				<i>2</i>															
					<i>trace</i>																			
		LITTER			<i>1</i>				<i>4</i>					<i>3</i>							<i>.5</i>			<i>trace 2.5</i>
<i>POSE</i>		<i>Arno</i>			<i>7</i>		<i>1</i>		<i>15</i>					<i>4</i>										
		<i>chui</i>										<i>1</i>		<i>trace</i>									<i>.1</i>	
		LITTER			<i>1</i>				<i>1</i>					<i>1</i>							<i>.5</i>		<i>.5</i>	<i>4</i>
		<i>chui</i>													<i>1</i>					<i>.7</i>				
<i>POSE</i>		<i>Arno</i>			<i>5</i>		<i>1</i>		<i>9</i>					<i>1</i>	<i>1</i>	<i>.5</i>								
		LITTER			<i>1</i>				<i>3</i>					<i>3</i>							<i>trace</i>		<i>trace</i>	<i>7</i>

PART II - SUMMARY OF PLOT DATA							PART III - PLOT DIAGRAM			
LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measurement) (e)	PERCENT					
	MATURE PLANTS (b)	SEED-LINGS (c)			COVER (f)	COMPOSITION (g)				
Grasses (Basal Cover)										
<i>Elsa</i>	5	4	33.5		8.38	42				
<i>Pose</i>	10		1.3		.33	2				
						55				
TOTAL										
Forbs (Basal Cover)										
TOTAL										
Browse (Foliage Cover)										
<i>Arnd</i>	2		44		11	55				
<i>Chui</i>	1		.8		.2	1				
TOTAL					19.91					
er					33.0					
PLOT TOTAL										
							PART IV - TREND INDEX SUMMARY			
							Composition, Key Species (percent)	97		
							Cover, Live Vegetation (percent)	19.91		
							Seedlings, Key Species (number)	4		
							Litter, Plot Total (percent)	33		
							TOTAL	153.91		

GENERAL INSTRUCTIONS

Print one legible copy in field for each trend plot. File with Range Trend Plot Location Data (Form 4412-24) and photographs (see Bureau Manual 4115).

SPECIFIC INSTRUCTIONS

(Items not listed are self-explanatory)

PART I - PLOT DATA BY SQUARE FOOT SECTION

Record data for each 1' x 1' section of the plot

- Column (a) - Use four letter plant symbol
- Columns (b) & (c) - Enter number
- Column (d) - Estimate - 1/16 sq. feet units covered by specie
- Column (e) - Measure - Total sq. inches covered by specie

Note: Use either estimate or measurement for each species. Do not use both.

Total - Total data for each specie and enter (Part - II)

PART II - SUMMARY OF PLOT DATA

Column (e) - Measurement - $\frac{\text{Measured sq inches (Column (e))}}{1296 (3' \times 3' \text{ plot}) \text{ or } 3600 (5' \times 5' \text{ plot})} \times 100 = \text{cover}$

Column (f) - Estimate - Multiply Column (d) by 0.7 (3' x 3' plot) or 0.25 (5' x 5' plot)

Column (g) - Composition - $\frac{\text{Cover (Column (f)) of specie}}{\text{Total cover (of plot in Column (f))}} \times 100 = \text{percent composition}$

153.91 = X
10.2 =



1986

READING # 6

PLOT # 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District
Salt Lake
Resource Area
Pony Express
Date
8-18-86
Examiner
G. Kidd

RANGE TREND PLOT DATA

Allotment Name

East Grassy

NUMBER

ALLOTMENT

PLOT

North

2

PART I - PLOT DATA BY SQUARE FOOT SECTION

SPECIES			MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	
GRASS	FORB	BROWSE																					
(a)	(a)	(a)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	
Elsa	Butter Camp	Chui	1		7			2	.2					.1									.5
																							.1
		LITTER			.2				.5				1.5					.5					.1
FLsq			1		9				.5										1	1			.5
Sihy							1		.2														
Br/c	Butter Camp						am		.5				1										T
		LITTER			1				4				12					4					.2
Pose	Butter Camp						1		.2						2			.2		1			.7
Br/c					T				.5				3					.5					
		Arno			2				1														
		LITTER			.5				1				2					1.2					.5
Br/c		Arno			12		1		10				.2										
Br/c	Butter Camp		1						.2					5				T					T
Pose											Am		5					T					T
													1	.2			1	T					
		LITTER			.5				2				.5					.7					.1
Sihy		Chui																		1			.1
P	Butter Camp												.5					T					
Br/c		Arno			5		1		4.5				2	.2				.5					
					1				1														
		LITTER			.5				1				.5					.1					T

PART II - SUMMARY OF PLOT DATA						PART III - PLOT DIAGRAM				
LIST BY SPECIES	NUMBER		1/16 SQ. FT. UNITS (estimate)	TOTAL SQ. IN. (measurement)	PERCENT					
	MATURE PLANTS	SEED-LINGS			COVER	COMPOSITION				
(a)	(b)	(c)	(d)	(e)	(f)	(g)				
Grasses (Basal Cover)										
<i>Elsa</i>	5	1	22.2		5.55	33.4				
TOTAL										
Forbs (Basal Cover)										
TOTAL										
PART IV - TREND INDEX SUMMARY										
Browse (Foliage Cover)							Composition, Key Species (percent)		62.2	
<i>R. D. S.</i>	2		35.7		9.175	38.8	Cover, Live Vegetation (percent)		14.725	
TOTAL			35.9		14.175	52.2	Seedlings, Key Species (number)		1	
Litter			35.6		7.7		Litter, Plot Total (percent)		8.9	
PLOT TOTAL					23.625	19.1	TOTAL		24.725	

GENERAL INSTRUCTIONS

Print one legible copy in field for each trend plot. File with *Range Trend Plot Location Data* (Form 4412-24) and photographs (see *Bureau Manual 4115*).

SPECIFIC INSTRUCTIONS

(Items not listed are self-explanatory)

PART I - PLOT DATA BY SQUARE FOOT SECTION

Record data for each 1' x 1' section of the plot

Column (a) - Use four letter plant symbol

Columns (b) & (c) - Enter number

Column (d) - Estimate - 1/16 sq. feet units covered by specie

Column (e) - Measure - Total sq. inches covered by specie

Note: Use either estimate or measurement for each species. Do not use both.

Total - Total data for each specie and enter (Part - II)

PART II - SUMMARY OF PLOT DATA

Column (e) - Measurement - $\frac{\text{Measured sq. inches (Column (e))}}{1296 (3' \times 3' \text{ plot}) \text{ or } 3600 (5' \times 5' \text{ plot})} \times 100 = \text{cover}$

Column (f) - Estimate - Multiply Column (d) by 0.7 (3' x 3' plot) or 0.25 (5' x 5' plot)

Column (g) - Composition - $\frac{\text{Cover (Column (f)) of specie}}{\text{Total cover (of plot in Column (f))}} \times 100 = \text{percent composition}$



DATE 6-18-86
DIST
ALLOT East
PASTURE North
PLOT NO



DATE 6-18-86
DIST S L
ALLOT East Grassy
PASTURE North
PLOT NO. 2

1982

READING # 5

PLOT # 2

UNIT STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District
SALT LAKE
Resource Area
PEPA
Date and Time 2:30 7/9/82
Examiner
KIDD/HAWKINS

Allotment Name

EAST GRASSY

NUMBER

ALLOTMENT

PLOT

EAST GRASSY

2

PART I - PLOT DATA BY SQUARE FOOT SECTION

SPECIES			MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	
GRASS	FORB	BROWSE																					
	(a)		(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	
ELSA			1		9				1.6													1	
EPNA									2				5										
		LITTER			.5				.5				.3				T					.5	
ELSA			1		5		1		4										1			7	
EPNA									4		1		16				3						
		LITTER			3				5				.3				.5					5	
ARNO					1.5				1														
EPNA									2				2				5						
BRTZ							4		.2		3		.1		3		T						
POSE															1		2		1			.3	
ELSA																						.2	
		LITTER			1				2				2.5				.3					T	
ARNO					9		1		12				1										
BRTZ			5		T		20		.2		3		T										
SIHY							1		.1														
		LITTER			1.5				2				2				.2					T	
BRTZ			20		3		30		.3		4		.2		2		T		1			T	
POSE			1		T						1		.2										
ARNO					1.5		1		6				.6										
SIHY													.5										
		LITTER			1				5				6				.2					.1	

PART II - SUMMARY OF PLOT DATA							PART III - PLOT DIAGRAM			
LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measurement) (e)	PERCENT					
	MATURE PLANTS (b)	SEED-LINGS (c)			COVER (f)	COMPOSITION (g)				
Grasses (Basal Cover)										
ELSA	4		27.8		6.9	30.7				
POSE	4		.7		.17	.7				
SIHY	1		.6		.15	.6				
BRTY										
TOTAL										
Forbs (Basal Cover)										
TOTAL										
Browse (Foliage Cover)										
EPNA	1		34.5		8.6	38.3				
ARNO	2		26.6		6.6	29.9				
TOTAL							22.42			
er										
PLOT TOTAL										
							PART IV - TREND INDEX SUMMARY			
							Composition, Key Species (percent) EPNA ARNO		98.4	
							Cover, Live Vegetation (percent)		37.2	
							Seedlings, Key Species (number)		0	
							Litter, Plot Total (percent)		8.9	
							TOTAL		144.5	

GENERAL INSTRUCTIONS

Print one legible copy in field for each trend plot. File with Range Trend Plot Location Data (Form 4412-24) and photographs (see Bureau Manual 4115).

SPECIFIC INSTRUCTIONS

(Items not listed are self-explanatory)

PART I - PLOT DATA BY SQUARE FOOT SECTION

Record data for each 1' x 1' section of the plot

- Column (a) - Use four letter plant symbol
- Columns (b) & (c) - Enter number
- Column (d) - Estimate - 1/16 sq. feet units covered by specie
- Column (e) - Measure - Total sq. inches covered by specie

Note: Use either estimate or measurement for each species. Do not use both.

Total - Total data for each specie and enter (Part - II)

PART II - SUMMARY OF PLOT DATA

Column (e) - Measurement - $\frac{\text{Measured sq inches (Column (e))}}{1296 (3' \times 3' \text{ plot}) \text{ or } 3600 (5' \times 5' \text{ plot})} \times 100 = \text{cover}$

Column (f) - Estimate - Multiply Column (d) by 0.7 (3' x 3' plot) or 0.25 (5' x 5' plot)

Column (g) - Composition - $\frac{\text{Cover (Column (f)) of specie}}{\text{Total cover (of plot in Column (f))}} \times 100 = \text{percent composition}$

TOTAL FROM 144.5 / 109.2 =
FIRST TREND DATA

TREND INDEX = 132.



1980

READING # 4

PLOT # 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District Salt Lake
Resource Area Pony Express
Date and Time 7/17/80 1:00pm
Examiner Lichthardt - Kidd

RANGE TREND PLOT DATA

Allotment Name

EAST GRASSY

NUMBER

ALLOTMENT	PLOT
<u>South East</u>	<u>2</u>

PART I - PLOT DATA BY SQUARE FOOT SECTION

SPECIES			MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES	MATURE PLANTS	SEEDLINGS	1/16 UNITS	TOTAL SQ. INCHES
GRASS	FORB	BROWSE																				
(a)	(a)	(a)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)	(b)	(c)	(d)	(e)
<u>Elsa</u>			<u>1</u>	<u>2</u>	<u>5</u>				<u>1</u>													<u>.1</u>
<u>Pose</u>		<u>Epne</u>							<u>.3</u>				<u>2</u>								<u>3</u>	<u>.1</u>
						<u>.2</u>				<u>.1</u>				<u>.1</u>								<u>.1</u>
<u>Elsa</u>			<u>1</u>	<u>1</u>	<u>6</u>				<u>2</u>											<u>1</u>		<u>6</u>
		<u>Epne</u>							<u>4</u>		<u>1</u>		<u>12</u>				<u>4</u>					
						<u>1</u>				<u>1.5</u>				<u>1</u>								<u>.1</u>
		<u>Epne</u>							<u>6</u>				<u>6</u>				<u>2</u>					
<u>Pose</u>		<u>Arnd</u>			<u>1</u>																	
<u>Bete</u>							<u>3</u>	<u>.1</u>							<u>1</u>		<u>.1</u>			<u>1</u>		<u>.2</u>
							<u>6</u>	<u>.1</u>							<u>2</u>		<u>.2</u>					
						<u>.5</u>			<u>1</u>				<u>3</u>				<u>.1</u>					<u>.1</u>
		<u>Arnd</u>			<u>10</u>		<u>1</u>		<u>12</u>				<u>1</u>									
<u>Bete</u>		<u>Arnd</u>									<u>10</u>		<u>.1</u>		<u>10</u>		<u>.1</u>					
											<u>2</u>		<u>.1</u>									
						<u>.2</u>				<u>1</u>												<u>.1</u>
<u>Elko</u>				<u>1</u>	<u>.1</u>						<u>1</u>		<u>.2</u>									
		<u>Arnd</u>			<u>1.6</u>		<u>1</u>		<u>7</u>		<u>1</u>		<u>1.5</u>									
<u>Pose</u>											<u>2</u>		<u>.1</u>									
<u>Bete</u>			<u>6</u>		<u>.2</u>		<u>10</u>	<u>.5</u>			<u>4</u>		<u>.1</u>							<u>1</u>		<u>.1</u>
		<u>Arnd</u>													<u>20</u>		<u>.2</u>					
						<u>.1</u>				<u>.5</u>			<u>3</u>				<u>.5</u>					<u>.1</u>

PART II - SUMMARY OF PLOT DATA						PART III - PLOT DIAGRAM	
LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measurement) (e)	PERCENT		
	MATURE PLANTS (b)	SEED-LINGS (c)			COVER (f)	COMPOSITION (g)	
Grasses (Basal Cover)							
ELSa	4	4	20.4		5.1	26	
PaSe	10		.6		.2	1	
Bntc	31		1		.3	.2	
TOTAL	45	4	22				
Forbs (Basal Cover)							
Annual Forb	40		.4		.1	—	
TOTAL	40		.4			—	
Browse (Foliage Cover)							
Arno	3		33.1		8.3	43	
Epne	1		22		5.5	28	
TOTAL	4		55.1		19.5	100	
Litter			14.6		3.7		
LOT TOTAL					23.2	100	
						PART IV - TREND INDEX SUMMARY	
						Composition, Key Species (percent)	82
						Cover, Live Vegetation (percent)	19.5
						Seedlings, Key Species (number)	4
						Litter, Plot Total (percent)	3.7
						TOTAL	109.2

GENERAL INSTRUCTIONS

Print one legible copy in field for each trend plot. File with Range Trend Plot Location Data (Form 4412-24) and photographs (see Bureau Manual 4115).

SPECIFIC INSTRUCTIONS

(Items not listed are self-explanatory)

PART I - PLOT DATA BY SQUARE FOOT SECTION

Record data for each 1' x 1' section of the plot

- Column (a) - Use four letter plant symbol
- Columns (b) & (c) - Enter number
- Column (d) - Estimate - 1/16 sq. feet units covered by specie
- Column (e) - Measure - Total sq. inches covered by specie
- Note: Use either estimate or measurement for each species. Do not use both.
- Total - Total data for each specie and enter (Part - II)

PART II - SUMMARY OF PLOT DATA

Column (e) - Measurement - $\frac{\text{Measured sq. inches (Column (e))}}{1296 (3' \times 3' \text{ plot}) \text{ or } 3600 (5' \times 5' \text{ plot})} \times 100 = \text{cover}$

Column (f) - Estimate - Multiply Column (d) by 0.7 (3' x 3' plot) or 0.25 (5' x 5' plot)

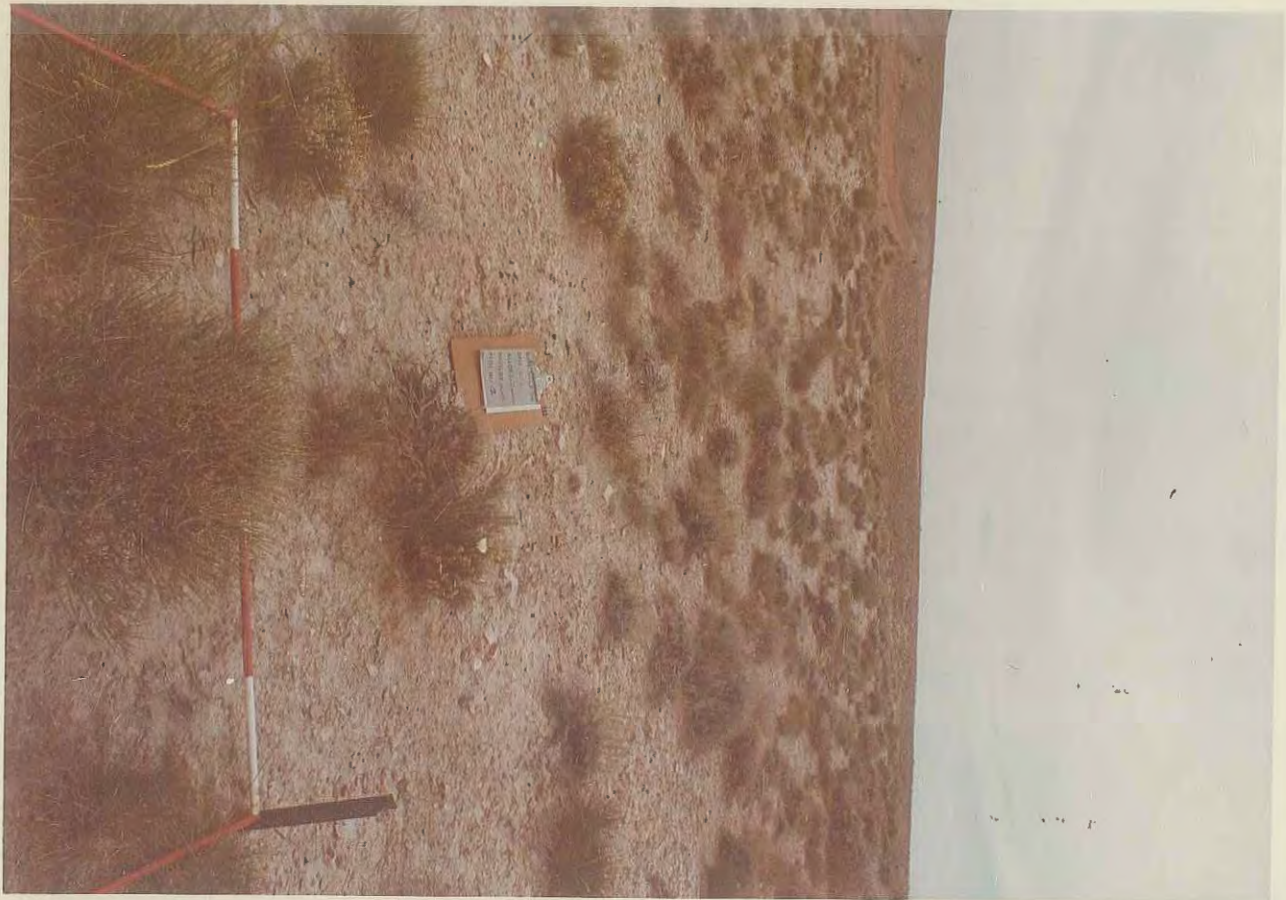
Column (g) - Composition - $\frac{\text{Cover (Column (f)) of specie}}{\text{Total cover (of plot in Column (f))}} \times 100 = \text{percent composition}$



1976

READING # 3

PLOT # 2



1970

READING # 2

PLOT # 2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District *Salt Lake*
Date *8/19/70*
Examiner *J Perkins*

RANGE TREND PLOT DATA

Allotment <i>Byram</i>	Pasture <i>North</i>	Key Species	Elevation
Grazing System <i>deferred rotation</i>	PLOT		Slope
Treatment <i></i>	Number <i>2</i>	Size <i>5x5</i>	Key Species <i>Elsa</i>
	Vegetative Type <i>desert shrub</i>		Exposure <i>SE</i>
		Key Species <i>ALNO</i>	

LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measure- ment) (e)	PERCENT		SIZE OF INDIVIDUAL PLANTS (A = TT ab) (h)
	MATURE PLANTS (b)	SEED- LINGS (c)			COVER (f)	COMPO- SITION (g)	
Grasses (Basal Cover)							
<i>Elsa</i>	<i>3</i>		<i>13</i>		<i>3.25</i>	<i>25.0</i>	<i>841</i>
<i>Pase</i>	<i>6</i>		<i>1</i>		<i>.25</i>	<i>50.0</i>	<i>1</i>
TOTAL							
Forbs (Basal Cover)							
TOTAL							
Browse (Foliage Cover)							
<i>ALNO</i>	<i>2</i>		<i>50</i>		<i>12.5</i>	<i>16.7</i>	<i>5-26-18</i>
<i>EPNE</i>	<i>1</i>		<i>24.5</i>		<i>6.12</i>	<i>8.3</i>	<i>2-17-5</i>
TOTAL							
Litter			<i>18</i>		<i>4.5</i>		<i>23643</i>
PLOT TOTAL					<i>26.62</i>	<i>100</i>	

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	<i>41.70</i>
Cover, Live Vegetation (percent)	<i>22.12</i>
Seedlings, Key Species (number)	<i>0</i>
Litter, Plot Total (percent)	<i>4.5</i>
TOTAL	<i>68.32</i>

SPECIFIC INSTRUCTIONS

Column

- (d) Each 1/16 sq. ft. unit = 0.7 percent, 3 × 3 ft. plot; 0.25 percent, 5 × 5 ft. plot
- (h) Record length and breadth – Divide by 2 for major and minor radii
1. Circle understory plants
 2. Do not use understory plants in computing cover
 3. In Trend Index Summary, cover live vegetation may be either total plot cover or cover of key species only

GENERAL INSTRUCTIONS

APPARENT TREND DATA

On-site Analysis (write concise narration of items listed below)

1. Soil stability, active erosion
2. Relative plant composition:
 - a. desirable vs. undesirable
 - b. protected vs. unprotected
3. Vigor – size, number of culms, growth, seedheads, etc
4. Reproduction
5. Evidence of grazing – past and present
6. Apparent trend

Revisitation Analysis

Compare with previous analysis. Note change in species, soil cover, litter, amount of erosion, etc. Use extra sheets, if necessary.

Refer to Bryan plot #1 (1970)

7 DD SNAP



DATE 8-19-70
DIST SALT LAKE
ALLOT BYKAM
PASTURE NORTH
PLOT NO. 2



DATE 8-19-70
DIST SALT LAKE
ALLOT BYKAM
PASTURE NORTH
PLOT NO. 2

1969

READING # 1

PLOT # 2