

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.



LAKESIDE
SALT LAKE NO 2
DATE 9-17-69
PASTURE 666TH
ALLOT 4
PLOT 4



LAKESIDE
SALT LAKE NO 2
DATE 9-17-69
PASTURE 666TH
ALLOT 4
PLOT 4

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.

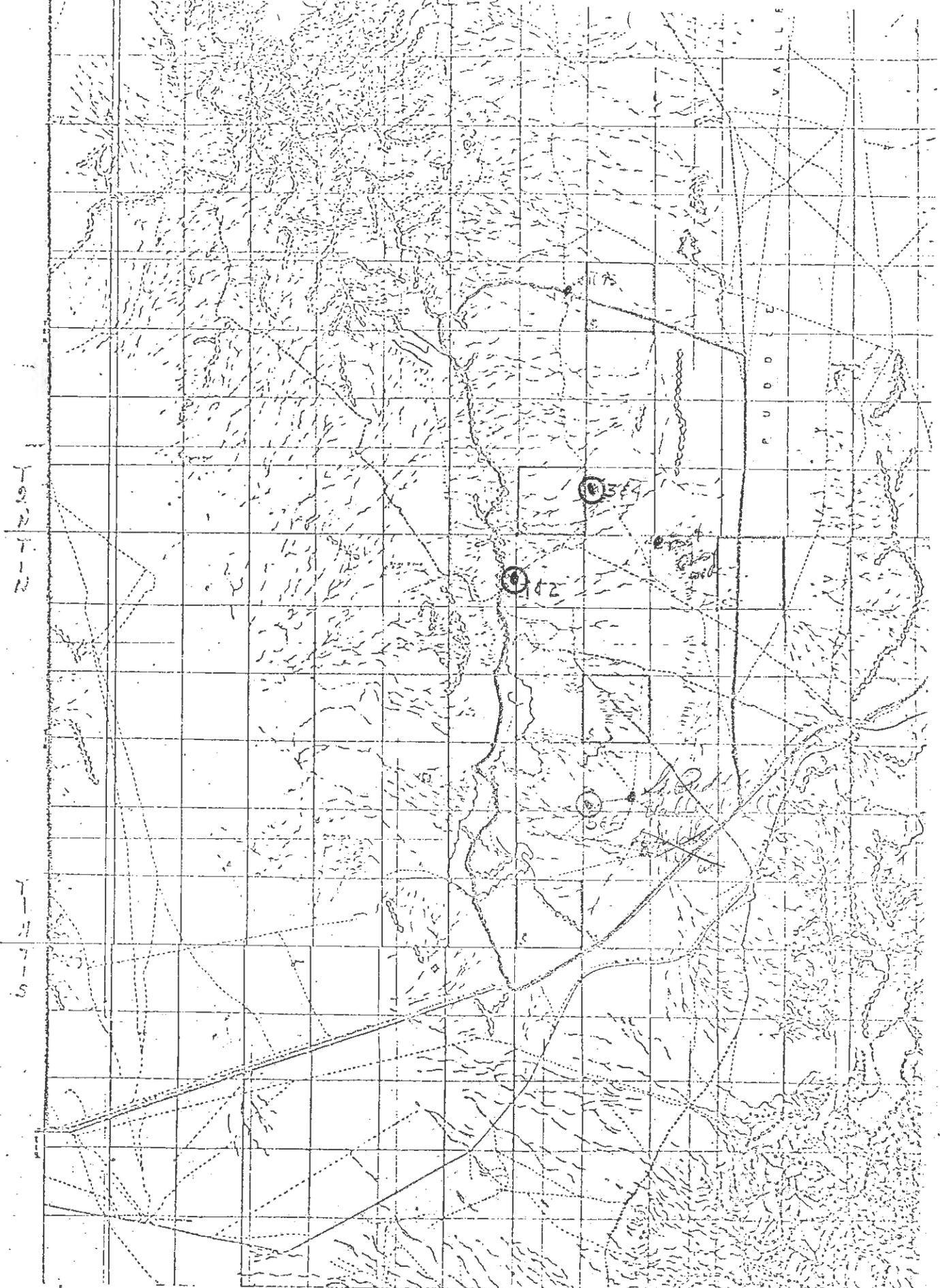
Range Study #5

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.

TYPAM ALLO



O-RANGE STUDY PLOTS

ALLOTMENT	EAST GRASSY								
DATE	8/13/1969								
PLOT	EG-5								
	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>		75	
ORHY	4		4.5	1.125	25	<i>Cover, Live Vegetation</i>		25	
						<i>Seedlings, Key Species</i>		0	
						<i>Litter, Plot Total</i>		5	
						TOTAL		105	
TOTAL	4	0	4.5	1.125	25				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
ATCO	4		80.5	20.125	25				
EULA	5		7	1.75	31.3				
ARSP	3		8.5	2.125	18.7				
TOTAL	12	0	96	24	75				
LITTER									
PLOT TOTAL	16	0	100.5	25.125	100				

ALLOTMENT	EAST GRASSY								
DATE	7/9/1982								
PLOT	EG-5								
	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>	13.5		
SIHY	2		2.2	1	10.6	<i>Cover, Live Vegetation</i>	10.4		
BRTE	1304		4.3	1.1	10.5	<i>Seedlings, Key Species</i>	0		
						<i>Litter, Plot Total</i>	28		
						TOTAL	51.9		
TOTAL	1306	0	6.5	2.1	21.1				
<i>Forbs (basal cover)</i>									
SPCO	2		0.5	0.1	0.9				
TOTAL	2	0	0.5	0.1	0.9				
<i>Browse (foliage cover)</i>									
ATCO	2		27.4	6.8	65.3				
EULA	4		4.9	1.2	11.5				
ARSP	3		0.9	0.2	2				
TOTAL	9	0	33.2	8.2	78.8				
LITTER			112	28					
PLOT TOTAL	1317	0	40.2	38.4	100.8				

ALLOTMENT	EAST GRASSY								
DATE	6/19/1990								
PLOT	EG-5								
	NUMBER		1/16 SQ. FT UNITS	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings		Cover	Composition	<i>Composition, Key Species</i>		0	
<i>Grasses (basal cover)</i>						<i>Cover, Live Vegetation</i>		24.025	
BRTE			97	24	99.9	<i>Seedlings, Key Species</i>		0	
						<i>Litter, Plot Total</i>		9.4	
						TOTAL		33.425	
TOTAL	0	0	97	24	99.9				
<i>Forbs (basal cover)</i>									
SAKA	1	3	0.1	0.025	0.1				
TOTAL	1	3	0.1	0.025	0.1				
<i>Browse (foliage cover)</i>									
TOTAL	0	0	0	0	0				
LITTER			37.6	9.4					
PLOT TOTAL	1	3	97.1	33.425	100				

1990

READING # 7

PLOT # 5

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 10:00AM
Examiner Gary Kidd

Allotment Name

East Grassy

NUMBER

ALLOTMENT

PLOT

5

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)																
<u>Brte</u>					<u>3</u>				<u>7</u>				<u>3</u>				<u>2</u>				<u>3</u>	<u>(18)</u>
		LITTER			<u>3</u>				<u>3</u>				<u>2</u>				<u>1</u>				<u>1</u>	<u>(2)</u>
<u>Brte</u>					<u>4</u>				<u>4</u>				<u>4</u>				<u>3</u>				<u>2</u>	<u>(17)</u>
	<u>Saka</u>																			<u>2</u>		
		LITTER			<u>2</u>				<u>2</u>				<u>3</u>				<u>.5</u>				<u>.3</u>	<u>(7.8)</u>
<u>Brte</u>					<u>4</u>				<u>5</u>				<u>6</u>				<u>4</u>				<u>2</u>	<u>(21)</u>
	<u>Saka</u>														<u>1</u>	<u>1</u>	<u>1</u>					
		LITTER			<u>2</u>				<u>3</u>				<u>6</u>				<u>.5</u>				<u>.3</u>	<u>(16)</u>
<u>Brte</u>					<u>5</u>				<u>3</u>				<u>5</u>				<u>2</u>				<u>5</u>	<u>(20)</u>
		LITTER			<u>3</u>				<u>1</u>				<u>3</u>				<u>.5</u>				<u>.5</u>	<u>(8)</u>
<u>Brte</u>					<u>3</u>				<u>4</u>				<u>5</u>				<u>3</u>				<u>6</u>	<u>(21)</u>
		LITTER			<u>6</u>				<u>2</u>				<u>2</u>				<u>1</u>				<u>1</u>	<u>(12)</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)										
<i>Brite</i>			97		24	49.9				
TOTAL										
Forbs (Basal Cover)										
<i>Sa Ka</i>	1	3	1		0.025	0.1				
TOTAL										
Browse (Foliage Cover)										
TOTAL					24.025					
er			37.6		9.4					
PLOT TOTAL										
							PART IV - TREND INDEX SUMMARY			
							Composition, Key Species (percent)	0		
							Cover, Live Vegetation (percent)	24.025		
							Seedlings, Key Species (number)	0		
							Litter, Plot Total (percent)	9.4		
							TOTAL	33.43		

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)

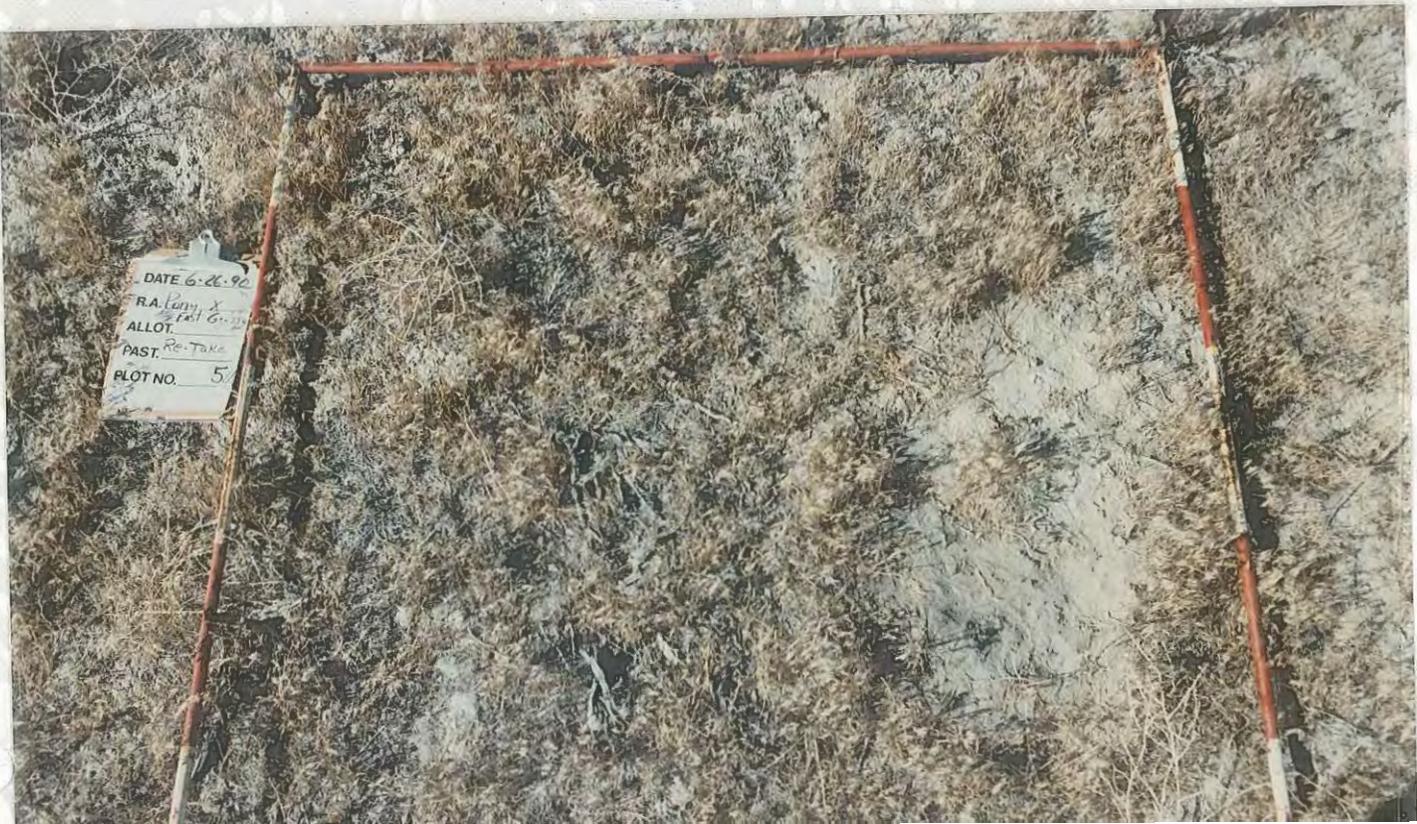
PART II - SUMMARY OF PLOT DATA

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

33.43
105
318



1986

READING # 6

PLOT # 5



1982

READING # 5

PLOT # 5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District

Resource Area

Pony EXPRESS

Date and Time

7-9-82 3:00 PM

Examiner

Ridd-Hawkins

RANGE TREND PLOT DATA

Allotment Name

East Grassy

NUMBER

ALLOTMENT

PLOT

South Post

5

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)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)
		Atco			2																	
Brte			25		.5		15		.2		20		.2		10		7		30		.2	
		Eula					1		1.5												1	
		Arsp							.7				.2									
		LITTER			3				4				6				1				3	
		Eula																	1		1.5	
		Atco															1.6				2	
Brte			?		7		?		.2		?		.1		?				30+		.2	
Si							1		2													
		LITTER			6				6				8				5				3	
Brte			?		.1		?	?	.5		?		.3		?		.2					
		Atco											1.3				6		1		4	
		Eula									1		.3									
Sshy																			1		.3	
		LITTER			3				9				7				4				3	
Brte		Atco	?		.2		?		.2		?		.5		?		.7				3.5	
		Eula													1		.6				.2	
		LITTER			5				8				9				2				2	
Brte			?		7		?		7		?		.2		?		7		?		7	
		Spco									2		.5									
		LITTER			2				3				5				4				2	

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)										
SIHY	2		2.3	1.0	1.0	10.6				
BRTE	130+		4.3	1.1	1.1	10.5				
TOTAL										
Forbs (Basal Cover)										
SPCO	2		.5	.1	.1	.9				
TOTAL										
Browse (Foliage Cover)										
ATCO	2		27.4	6.8	6.8	65.3				
EULA	4		4.9	1.2	1.2	11.5				
ARSP	0	0	.9	.2	.2	2.				
TOTAL				10.4	10.4					
er			112	25						
PLOT TOTAL										
							PART IV - TREND INDEX SUMMARY			
							Composition, Key Species (percent)	18.5		
							Cover, Live Vegetation (percent)	10.4		
							Seedlings, Key Species (number)	0		
							Litter, Plot Total (percent)	28.		
							TOTAL	52		

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).

DATA FROM FIRST STUDY

SPECIFIC INSTRUCTIONS

(Items not listed are self-explanatory)

52/105 =

PART I - PLOT DATA BY SQUARE FOOT SECTION

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

TREND INDEX 50.

- 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 7-9-82
DIST SALT LAKE
ALLOT EAST
GRASSY
PASTURE SOUTH

1980

READING # 4

PLOT # 5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District Salt Lake
Resource Area Pony Express
Date and Time 7/17/85 10:10 AM
Examiner Kidd - Lichthardt

Allotment Name

EAST GRASSY

Parcel NUMBER

South

5

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)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)
		<u>Arco</u>			<u>.3</u>																	
<u>Brte</u>	<u>Hagl</u>		<u>6</u>	<u>15</u>	<u>.1</u>						<u>7</u>	<u>4</u>	<u>.1</u>		<u>10</u>	<u>.1</u>				<u>13</u>	<u>.1</u>	
		<u>Cela</u>			<u>.2</u>		<u>1</u>	<u>1</u>	<u>1.0</u>													<u>1</u>
		<u>Arsp</u>							<u>.5</u>				<u>.2</u>									
LITTER					<u>1</u>				<u>2</u>				<u>3</u>					<u>1</u>				<u>.6</u>
		<u>Arco</u>					<u>1</u>		<u>.2</u>		<u>1</u>		<u>2</u>					<u>3</u>				<u>3.5</u>
<u>Brte</u>	<u>Hagl</u>		<u>8</u>	<u>2</u>	<u>.1</u>										<u>13</u>	<u>.1</u>				<u>9</u>	<u>.1</u>	
		<u>Cela</u>			<u>.1</u>		<u>10</u>		<u>1.5</u>		<u>9</u>		<u>1</u>							<u>1</u>		<u>.3</u>
<u>SiHy</u>							<u>1</u>		<u>4</u>													
LITTER					<u>1.2</u>				<u>3.5</u>				<u>4</u>					<u>.5</u>				<u>.1</u>
		<u>Arco</u>																<u>8</u>		<u>1</u>		<u>4</u>
<u>Brte</u>	<u>Hagl</u>		<u>20</u>	<u>6</u>	<u>.1</u>										<u>7</u>	<u>.1</u>				<u>6</u>	<u>.1</u>	
		<u>Cela</u>			<u>2</u>		<u>20</u>		<u>6</u>		<u>20</u>		<u>6</u>		<u>1</u>	<u>.3</u>						
<u>SiHy</u>																				<u>1</u>	<u>.1</u>	
LITTER					<u>1.8</u>				<u>2.3</u>				<u>6</u>					<u>.5</u>				<u>.3</u>
		<u>Arco</u>																<u>10</u>				<u>4.2</u>
<u>Brte</u>	<u>Hagl</u>		<u>8</u>	<u>13</u>	<u>.1</u>										<u>8</u>	<u>.1</u>				<u>8</u>	<u>.1</u>	
		<u>Cela</u>	<u>1</u>		<u>.5</u>		<u>25</u>		<u>3</u>		<u>24</u>		<u>2.5</u>		<u>1</u>	<u>.5</u>						
<u>SiHy</u>													<u>1</u>	<u>.1</u>								
LITTER					<u>1</u>				<u>4</u>				<u>4</u>					<u>.3</u>				<u>.5</u>
<u>Brte</u>	<u>Hagl</u>		<u>2</u>	<u>5</u>	<u>.1</u>										<u>8</u>	<u>.1</u>				<u>12</u>	<u>.2</u>	
		<u>Lepe</u>	<u>5</u>		<u>.1</u>		<u>25</u>		<u>2</u>		<u>15</u>		<u>1</u>									
		<u>Spco</u>									<u>1</u>		<u>.1</u>									
											<u>1</u>		<u>.2</u>									
LITTER					<u>.5</u>				<u>3</u>				<u>2</u>					<u>1</u>				<u>.5</u>

301

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)											
Brte	301		27.8		7	37					
SiHy	1	2	4.2		1	5					
TOTAL											
Forbs (Basal Cover)											
Hagl	2	50	.9		.2	1					
Lepe	1		.1		—						
SpcO	1		.2		—						
TOTAL											
Browse (Foliage Cover)											
Atco	3		37.9		9	47					
Eula	5	1	3.4		.9	5					
Arsp			.7		.2	1					
TOTAL											
er											
PLOT TOTAL											
							Composition, Key Species (percent)		6		
							Cover, Live Vegetation (percent)		19		
							Seedlings, Key Species (number)		1		
							Litter, Plot Total (percent)		11		
							TOTAL		37		

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



FROM



1976

READING # 3

PLOT # 5



1975

READING # 2

PLOT # 5

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>Sihy</i>	1		.10		.025	.13	
<i>Orhy</i>	1		.10		.025	.13	
<i>Brite</i>		25/2	10.92		2.730	14.32	
TOTAL							
Forbs (Basal Cover)							
TOTAL							
Browse (Foliage Cover)							
<i>Aleo</i>	6		56.50		14.125	74.12	
<i>Eula</i>	4		18.00		2.0	10.49	
<i>Ar sp</i>	1		.60		.150	.78	
TOTAL			76.22		19.035	99.97	
Litter			233.00		58.250		
PLOT TOTAL					77.805	100	

PART IV - TREND INDEX SUMMARY	
Composition, Key Species (percent)	84.61
Cover, Live Vegetation (percent)	19.05
Seedlings, Key Species (number)	0
Litter, Plot Total (percent)	58.25
TOTAL	162

Randomly counted. *Brite* in 1/16 units - Multiplied No. of units in which *Brite* was found by 8.9 (Av. of count)

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.

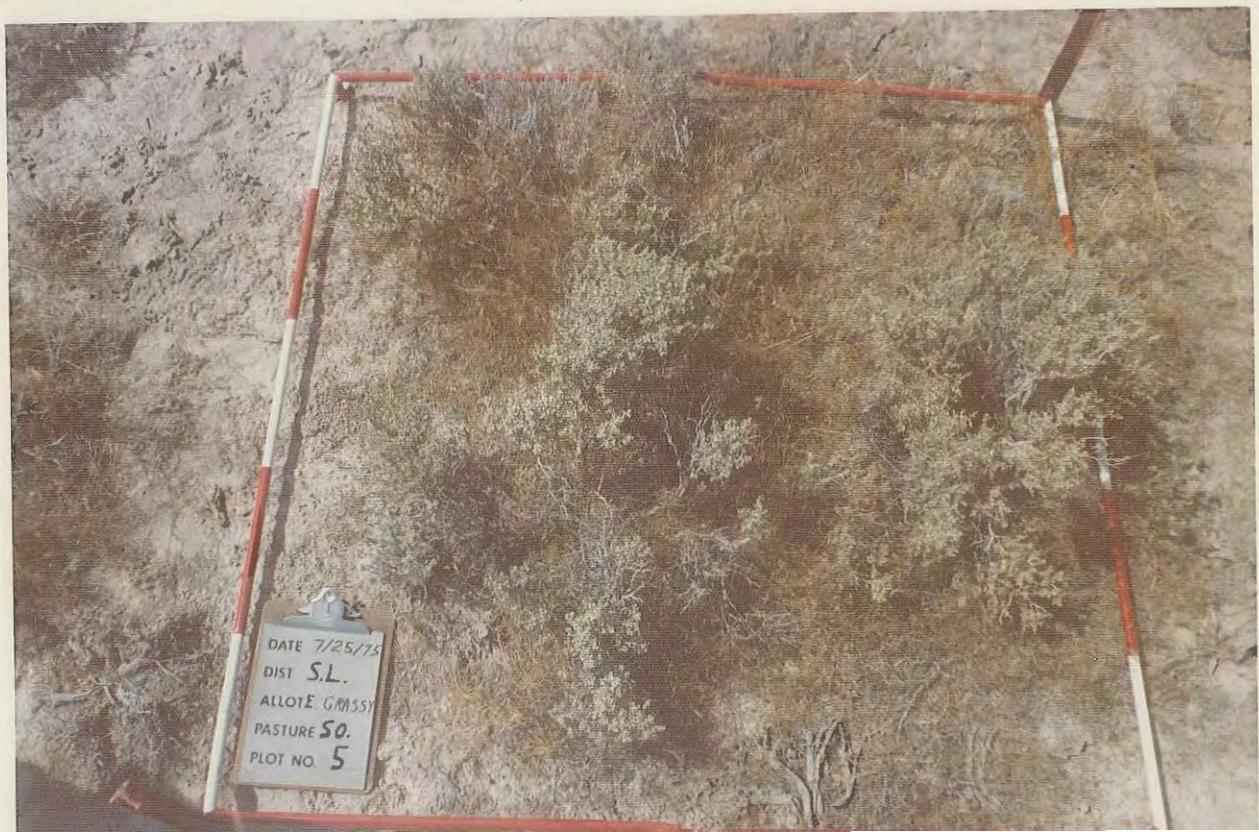
Total - Total data for each specie and enter (Part - II)

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



1969

READING # 1

PLOT # 5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District SALT LAKE

Date 8-13-69

Examiner CARPENTER, BENNETT, PERKINS

RANGE TREND PLOT DATA

38 Steps N.N.W. from Red Post

Allotment <u>Byron</u>	Pasture <u>South</u>	Key Species <u>Eula</u>	Elevation
Grazing System <u>DEFERRED ROTATION</u>	PLOT Number <u>5</u> Size <u>5-5</u>		Slope
Treatment	Vegetative Type <u>SALT BUSH</u>	<u>ALSP</u>	Exposure <u>SOUTH EAST</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>Orby Indian Rice</u> 4			<u>4 1/2</u>		<u>1.125</u>	<u>25</u>	<u>1/2 - 2 - 2 Key spp</u> <u>Orby 25</u> <u>Eula 31.3</u> <u>Av Sp 18.7</u>
TOTAL			<u>4.5</u>				
Forbs (Basal Cover)							
Browse (Foliage Cover)							
<u>Hfcd Shad</u> 11			<u>80 1/2</u>		<u>20.125</u>	<u>25</u>	<u>7-23-23 - 12 15 1/2</u> <u>2-2-1/2 - 1/2 - 2</u> <u>3-5 1/2 12</u>
<u>Eula Winderfat</u> 5			<u>7</u>		<u>1.75</u>	<u>31.3</u>	
<u>Hisp Bud</u> 3			<u>8 1/2</u>		<u>2.125</u>	<u>18.7</u>	
TOTAL			<u>96</u>		<u>23.125</u>	<u>100.0</u>	
Litter							
PLOT TOTAL							

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	<u>75</u>
Cover, Live Vegetation (percent)	<u>25</u>
Seedlings, Key Species (number)	
Litter, Plot Total (percent)	<u>5</u>
TOTAL	<u>105</u>

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.



LAKESIDE
SALT LAKE NO 2
DATE _____
PASTURE _____
ALLOT _____
PLOT _____

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

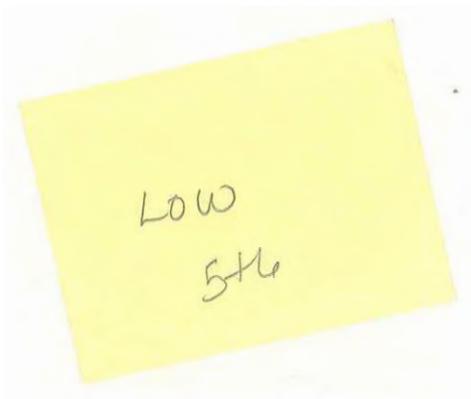
Same procedure as #3. Plot #4 is 41 steps southwest from red post.

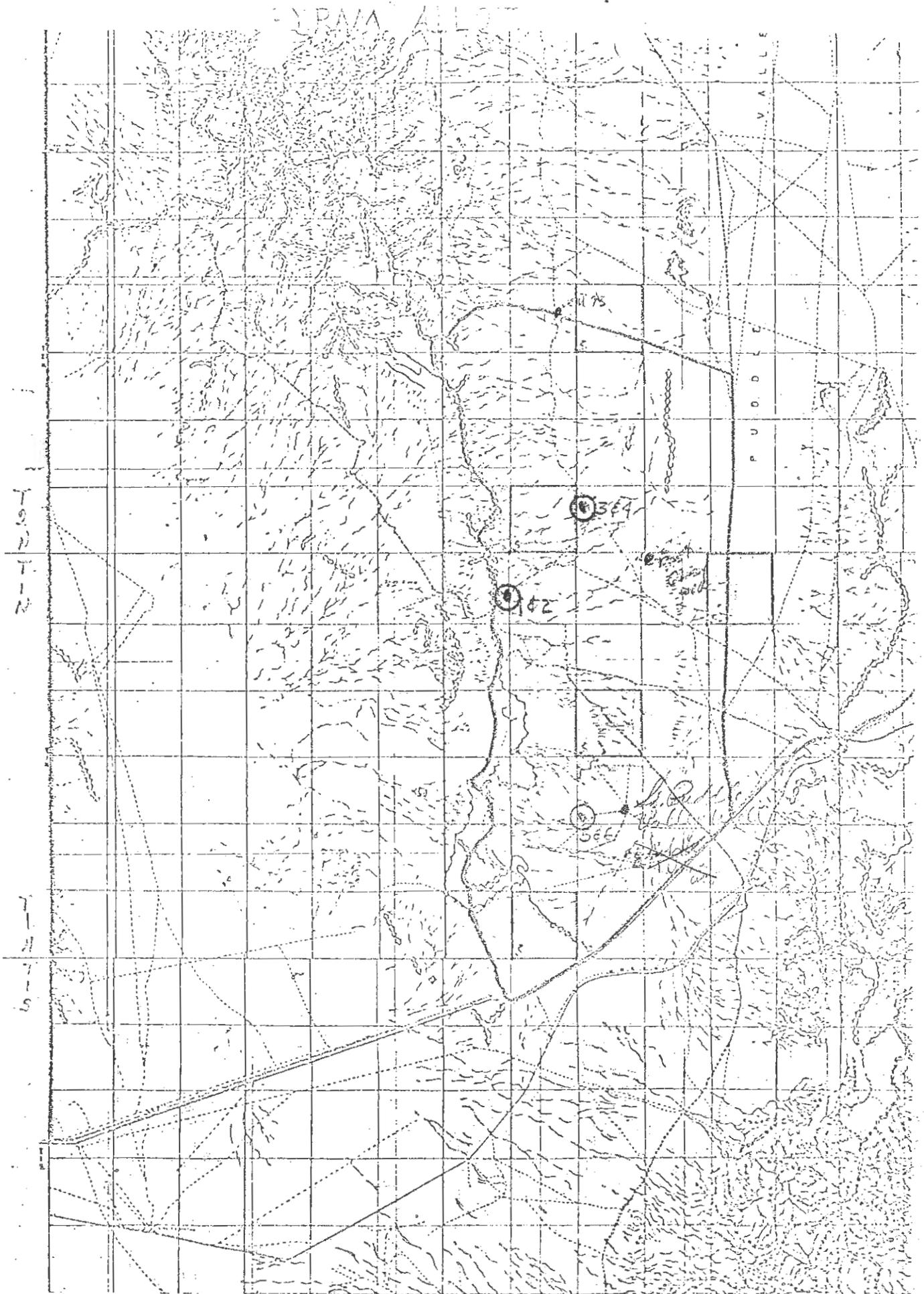
Range Study #5

From Low, 1.5 miles west to South ^PRuddle Valley well. Then, .35 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

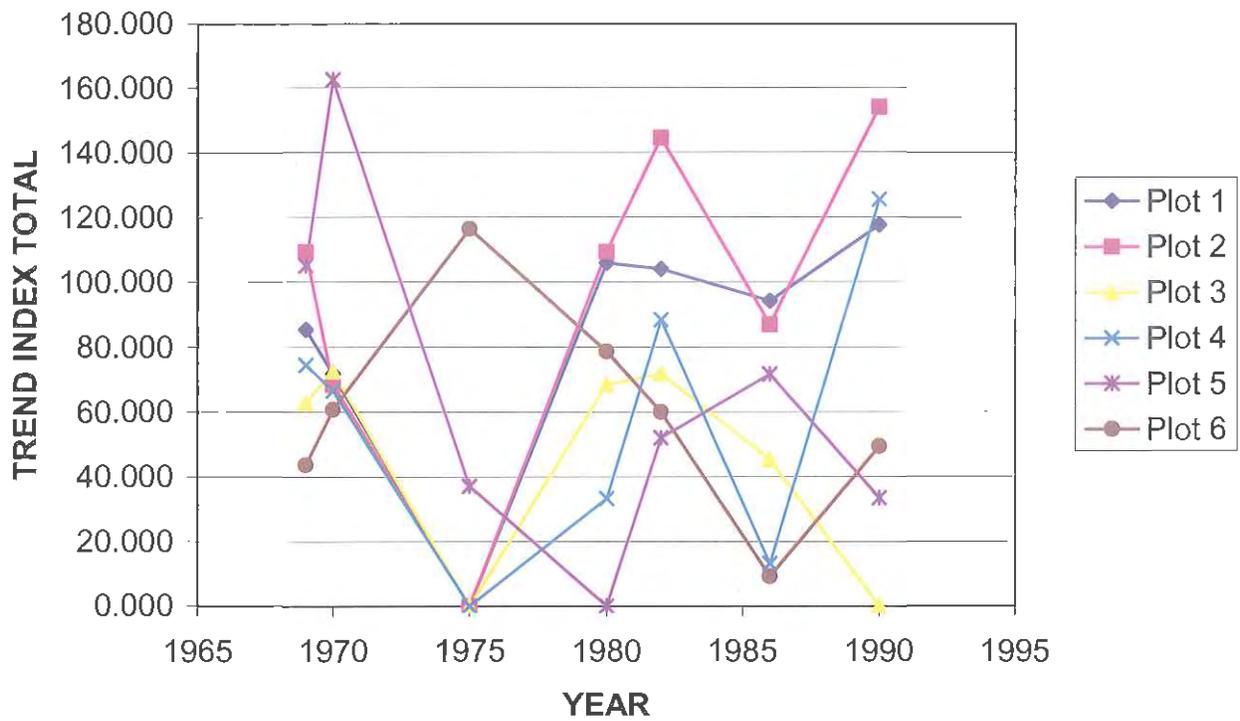
ALLOTMENT	EAST GRASSY								
DATE	8/13/1969								
PLOT	EG-6								
	NUMBER		1/16 SQ. FT UNITS	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings		Cover	Composition	<i>Composition, Key Species</i>	36.4		
<i>Grasses (basal cover)</i>						<i>Cover, Live Vegetation</i>	7.2		
ORHY	2		2	0.5	9.1	<i>Seedlings, Key Species</i>	0		
						<i>Litter, Plot Total</i>	0		
						TOTAL	43.6		
TOTAL	2	0	2	0.5	9.1				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
ARSP	4		20	5	18.2				
ATCO	4		53.5		18.2				
EULA	2		6.5	1.625	9.1				
CHVI	9	1	0.5	0.125	45.7				
TOTAL	19	1	80.5	6.75	91.2				
LITTER									
PLOT TOTAL	21	1	82.5	7.25	100.3				

ALLOTMENT	EAST GRASSY								
DATE	8/19/1970								
PLOT	EG-6								
	NUMBER		1/16 SQ. FT	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings	UNITS	Cover	Composition	<i>Composition, Key Species</i>		37.5	
<i>Grasses (basal cover)</i>						<i>Cover, Live Vegetation</i>		18.88	
ORHY	2		1.5	0.38	12.5	<i>Seedlings, Key Species</i>		0	
						<i>Litter, Plot Total</i>		4.25	
						TOTAL		60.63	
TOTAL	2	0	1.5	0.38	12.5				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
ARSP	7		15	3.75	43.8				
ATCO	4		49.5	12.37	25				
EULA	2		8	2	12.5				
CHVI	1		1.5	0.38	6.2				
TOTAL	14	0	74	18.5	87.5				
LITTER			17	4.25					
PLOT TOTAL	16	0	75.5	23.13	100				

ALLOTMENT	EAST GRASSY								
DATE	7/9/1982								
PLOT	EG-6								
	NUMBER		1/16 SQ. FT	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings	UNITS	Cover	Composition	<i>Composition, Key Species</i>	34.6		
<i>Grasses (basal cover)</i>						<i>Cover, Live Vegetation</i>	15		
BRTE	41		4.1	1	6.6	<i>Seedlings, Key Species</i>	0		
						<i>Litter, Plot Total</i>	10.3		
						TOTAL	59.9		
TOTAL	41	0	4.1	1	6.6				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
ARSP	7		20.4	5.1	34				
ATCO	3		21.7	5.4	36				
CHVI	1	2	13.3	3.3	22				
EULA	1		0.6	0.1	0.6				
TOTAL	12	2	56	13.9	92.6				
LITTER			41.5	10.3					
PLOT TOTAL	53	2	60.1	25.2	99.2				

TREND INDEX TOTAL						
YEAR	PLOT 1	PLOT 2	PLOT 3	PLOT 4	PLOT 5	PLOT 6
1969	85.300	109.200	62.700	74.300	105.000	43.600
1970	71.720	68.320	72.500	66.500	162.410	60.630
1975	0.000	0.000	0.000	0.000	37.000	116.280
1980	105.800	109.200	68.200	33.200	0.000	78.500
1982	103.850	144.500	71.700	88.210	51.900	59.900
1986	94.080	86.825	45.280	13.100	71.500	9.125
1990	117.460	153.910	0.000	125.390	33.425	49.350

EAST GRASSY TREND DATA



1990

READING # 8

PLOT # 6

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 9:30 AM*
Examiner
Gary Kidd

Allotment Name <i>East Grassy</i>	NUMBER	
	ALLOTMENT <i>East Grassy</i>	PLOT <i>6</i>

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		
GRASS	FORB	BROWSE																		
	(a)		(b)	(c)	(d)	(e)														
<i>Brite</i>					<i>2</i>				<i>1</i>		<i>numb</i>		<i>3</i>		<i>numb</i>		<i>4</i>	<i>numb</i>	<i>6</i>	<i>(16)</i>
<i>Sibby</i>												<i>1</i>	<i>.1</i>							
		LITTER			<i>.5</i>				<i>.5</i>				<i>1</i>				<i>2</i>		<i>7</i>	<i>(17)</i>
<i>Brite</i>			<i>numb</i>		<i>7</i>		<i>numb</i>		<i>3</i>		<i>numb</i>		<i>3</i>		<i>numb</i>		<i>5</i>		<i>6</i>	<i>(27)</i>
<i>Sibby</i>									<i>1</i>				<i>1</i>							
		LITTER			<i>4</i>				<i>5</i>				<i>3</i>				<i>4</i>		<i>5</i>	<i>(7)</i>
<i>Brite</i>			<i>numb</i>		<i>6</i>		<i>numb</i>		<i>4</i>		<i>numb</i>		<i>4</i>		<i>numb</i>		<i>3</i>		<i>1</i>	<i>(18)</i>
<i>Sibby</i>																				
		LITTER			<i>7</i>				<i>6</i>				<i>7</i>				<i>3</i>		<i>2</i>	<i>(25)</i>
<i>Brite</i>			<i>numb</i>		<i>4</i>		<i>numb</i>		<i>3</i>		<i>numb</i>		<i>5</i>		<i>numb</i>		<i>8</i>		<i>5</i>	<i>(25)</i>
<i>Sibby</i>			<i>1</i>		<i>.3</i>															
		LITTER			<i>2</i>				<i>1</i>				<i>2</i>				<i>2</i>		<i>7</i>	<i>(17)</i>
<i>Brite</i>			<i>numb</i>		<i>6</i>		<i>numb</i>		<i>4</i>		<i>numb</i>		<i>2</i>				<i>4</i>		<i>5</i>	<i>(21)</i>
		LITTER			<i>3</i>				<i>1</i>				<i>.5</i>				<i>1</i>		<i>3</i>	<i>(13)</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)									
Brome	Infinite		10.7		26.8	98.7			
Sily	3	1	1.4		.35	1.3			
TOTAL		1	108.4						
Forbs (Basal Cover)									
TOTAL									
Browse (Foliage Cover)									
TOTAL			108.4		27.15				
er			79.5		19.9				
PLOT TOTAL					47.05	100			
							PART IV - TREND INDEX SUMMARY		
							Composition, Key Species (percent)	Sily	10.3
							Cover, Live Vegetation (percent)		27.15
							Seedlings, Key Species (number)		1
							Litter, Plot Total (percent)		19.9
							TOTAL		49.35

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

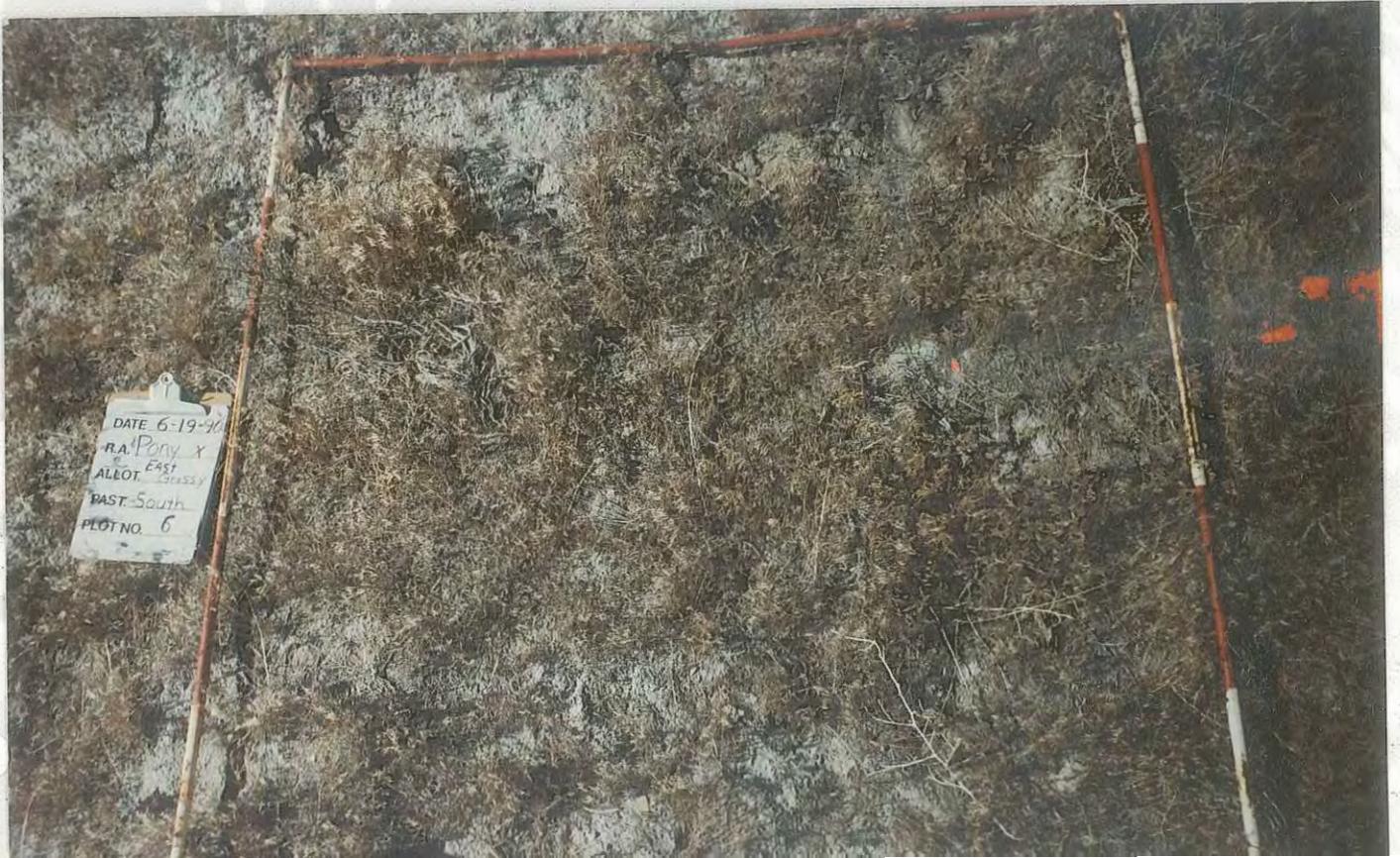
Column (e) - Measurement - $\frac{\text{Measured sq inches (Column (e))}}{1296 (3' \times 3' \text{ plot}) \text{ or } 3600 (5' \times 5' \text{ plot})} \times 100 = \text{cover}$

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 6-19-30
R.A. Pony X
ALLOT. ^{EAST} _{Grassy}
PAST. South
PLOT NO. 6



DATE 6-19-30
R.A. Pony X
ALLOT. ^{EAST} _{Grassy}
PAST. South
PLOT NO. 6

1986

READING # 7

PLOT # 6

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District Salt Lake
Resource Area Pony Express
Date 6-18-86 2:45pm
Examiner Kidd

Allotment Name EAST Grassy

NUMBER	
ALLOTMENT	PLOT
<u>South</u>	<u>6</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)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)
<u>Brte</u>					<u>12</u>				<u>11</u>				<u>8</u>				<u>10</u>					<u>13</u>	<u>(54)</u>
	LITTER				<u>2</u>				<u>1</u>				<u>2</u>				<u>2</u>					<u>2</u>	
<u>Brte</u>					<u>11</u>				<u>9</u>				<u>9</u>				<u>9</u>					<u>11</u>	<u>(49)</u>
<u>Siky</u>											<u>1</u>		<u>1</u>										
	LITTER				<u>2</u>				<u>1</u>				<u>1.2</u>				<u>3</u>					<u>2</u>	
<u>Brte</u>					<u>11</u>				<u>14</u>														
	LITTER				<u>2</u>				<u>1</u>														
<u>Brte</u>					<u>10</u>				<u>9</u>				<u>8</u>				<u>11</u>					<u>10</u>	<u>(48)</u>
	LITTER				<u>1.5</u>				<u>1</u>				<u>1.2</u>				<u>3</u>					<u>2</u>	
<u>Brte</u>					<u>11</u>				<u>9</u>				<u>10</u>				<u>9</u>					<u>8</u>	<u>47</u>
	LITTER				<u>1</u>				<u>1</u>				<u>2</u>				<u>1.5</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)										
<i>Sily</i>	1		.1							
<i>Brte</i>			148							
TOTAL	1		.1							
Forbs (Basal Cover)										
TOTAL										
Browse (Foliage Cover)										
TOTAL										
Litter			.1		.025					9.1
PLOT TOTAL			36.4		9.1					21.5
								PART IV - TREND INDEX SUMMARY		
								Composition, Key Species (percent)		
								Cover, Live Vegetation (percent)		1025
								Seedlings, Key Species (number)		
								Litter, Plot Total (percent)		9.1
								TOTAL		21.5

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.

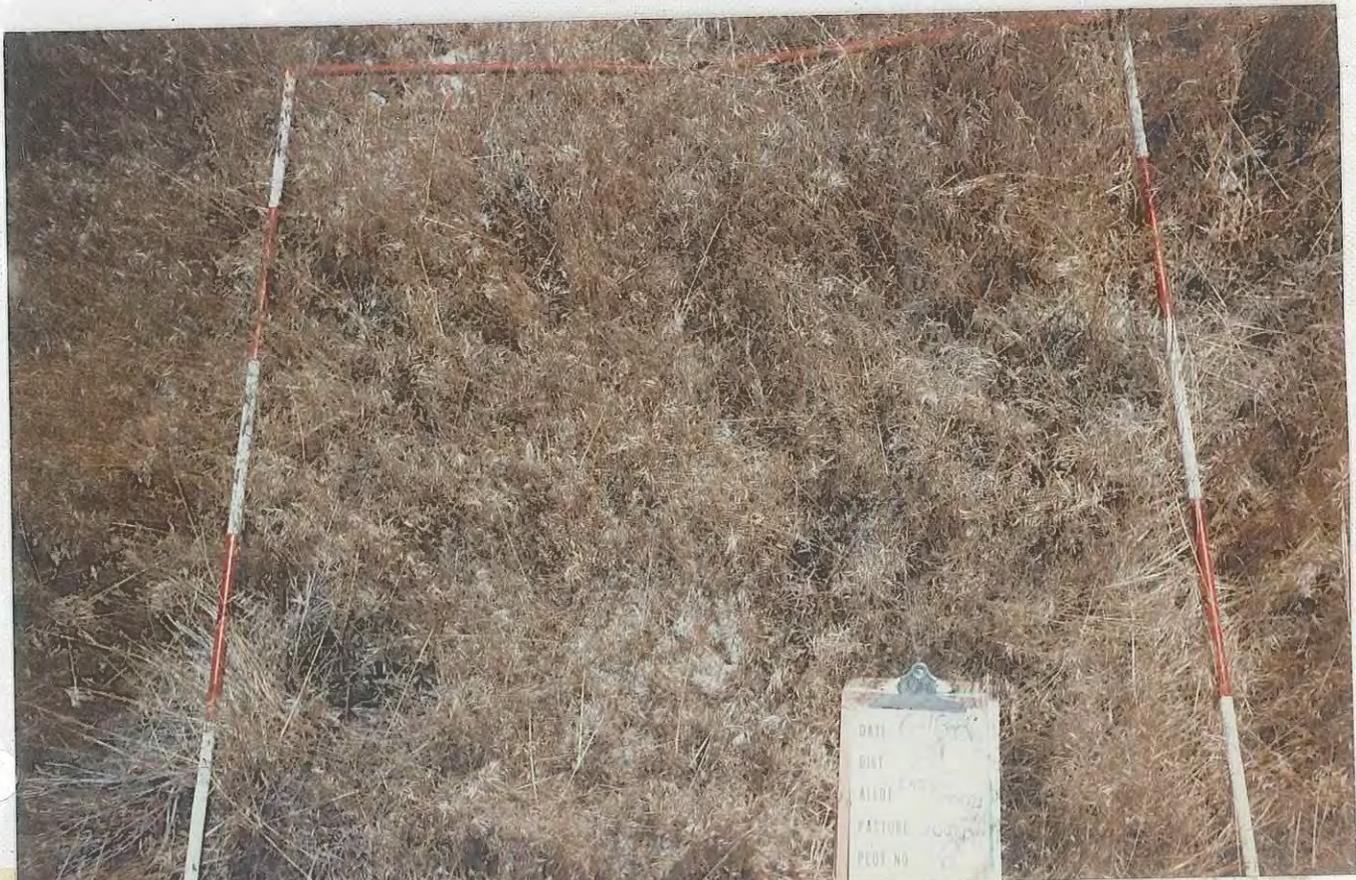
Total - Total data for each specie and enter (Part - II)

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



1982

READING # 6

PLOT # 6

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District

Resource Area

Pony Express
Date and Time 7-9-82 3:00pm

Examiner

Kidd - Hawkins

Allotment Name

EAST GRASSY

NUMBER

ALLOTMENT

PLOT

South

6

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)																	
ARSP							1	4					1										
CHVF								1	.3														
BRTE									T		*		.2				.5		*		.5		
ATCO															1		1.5						
LITTER					.5			.5					1				.6				4		
ATCO					3			1					.2				1					1.2	
BRTE			*		.2			.2		*			.5		*		1					.6	
ARSP			1		1.7		1	1.7		1			3										
CHVF							1	.6															
LITTER					1			2					1				2					3	
ATCO					2		1	1.5									3		1			7	
BRTE			*		.6		10	.2		15		.1		*		1		*				2	
CHVF								T															
ARSP															1		3					1	
LITTER					1			3					1				2					2	
ARSP													.2		1		3		1			2	
ATCO																						.2	
BRTE			3		T		10	.1		3		T		*		.2		*				1	
CHVF					5																		
LITTER					.5			3					.2				2					1	
CHVF			1		8																		
BRTE			*		T								T		*		.1		#			.1	
ARSP							1		1										1			1	
LITTER					2			.5					.5				.3					1.5	

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>BRTE</i>	<i>417</i>		<i>4.1</i>		<i>1.0</i>	<i>6.6</i>				
TOTAL										
Forbs (Basal Cover)										
TOTAL										
PART IV - TREND INDEX SUMMARY										
Browse (Foliage Cover)							Composition, Key Species (percent) <i>only with new</i>			<i>34.6</i>
<i>ARSP</i>	<i>7</i>		<i>20.9</i>		<i>5.1</i>	<i>34</i>	Cover, Live Vegetation (percent)			<i>15</i>
<i>ATCO</i>	<i>3</i>		<i>21.7</i>		<i>5.4</i>	<i>36</i>	Seedlings, Key Species (number)			<i>0</i>
<i>CHVE</i>	<i>1</i>	<i>2</i>	<i>13.3</i>		<i>3.3</i>	<i>22</i>	Litter, Plot Total (percent)			<i>10.3</i>
<i>EVLA</i>	<i>1</i>		<i>.6</i>		<i>.1</i>	<i>.6</i>				
TOTAL					<i>15</i>					
er			<i>41.5</i>		<i>10.3</i>					
PLOT TOTAL							TOTAL			<i>60</i>

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).

DATA FROM FIRST STUDY
60/43.6 =
TREND INDEX 138.

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 species 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 # 5

PLOT # 6

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District Salt Lake
Resource Area Pony Express
Date and Time 7/17/80 10:45 am
Examiner Lichthardt + Kidd

Allotment Name

EAST GRASSY

NUMBER

ALLOTMENT

PLOT

South Post

6

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)																
Brte	Annual	Chr	15		.2						15											
			1		.1		8		.1		1		.1		10		.2		25		.3	
		Arsp	Chr				1		5.2				3									
			Arco					1						5								
	LITTER				.1				.2				.1				4				2	
		Arco			1.2				3.5								.7				3.5	
		Arsp	1		3				1.2	1		3.4					.3					
		Cela			.1		1		2.3													
Brte		Chr		3	.1		3		.1													
			10		.1		12		.1					20		1		20			1.2	
	Hagl						1		.1													
	LITTER				.2				2				.5				2				1.5	
Brte		Chr		13	.1		3		.1													
		Arco			1.5		1		2.3								.3		1		9	
			4		.2		8		.1		4		.1		15		.3		8		.2	
		Hagl					1		.1													
	Annual													2		.1						
	Arsp																.2		6			
	LITTER				.3				.3				.2				1.5				.5	
Brte	Annual										15		.1									
		Chr					5		.1		1		.1		4		.1		8		.2	
		Hagl			7				3													
		Arsp							.1								3		1		2.2	
	LITTER				.5				1				.1				1				1	
Brte		Chr	1		12		1															
		Arsp					1		2													
							2		.1						1		.1					
		Annual	Cela				5															.1
		Hagl														1	.1		1	2	.1	
		Arsp																			2.2	
	LITTER				.1				.2				.1				.3				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)											
Brtc	154		4.8		1.2	3					
TOTAL											
Forbs (Basal Cover)											
Annual	32		.4		.1						
Hagl	2	5	.5		.1						
TOTAL											
Browse (Foliage Cover)											
Arsp	6		29.5		7.3	33					
Chvi	7	18	22.5		5.6	26					
Atco	3		27		6.8	31					
Eula	1		2.5		.6	3					
TOTAL							20.8	100			
Litter							20.7				
LOT TOTAL							27	98			
							Composition, Key Species (percent)			36	
							Cover, Live Vegetation (percent)			21.8	
							Seedlings, Key Species (number)			0	
							Litter, Plot Total (percent)			20.7	
							TOTAL			78.5	

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)

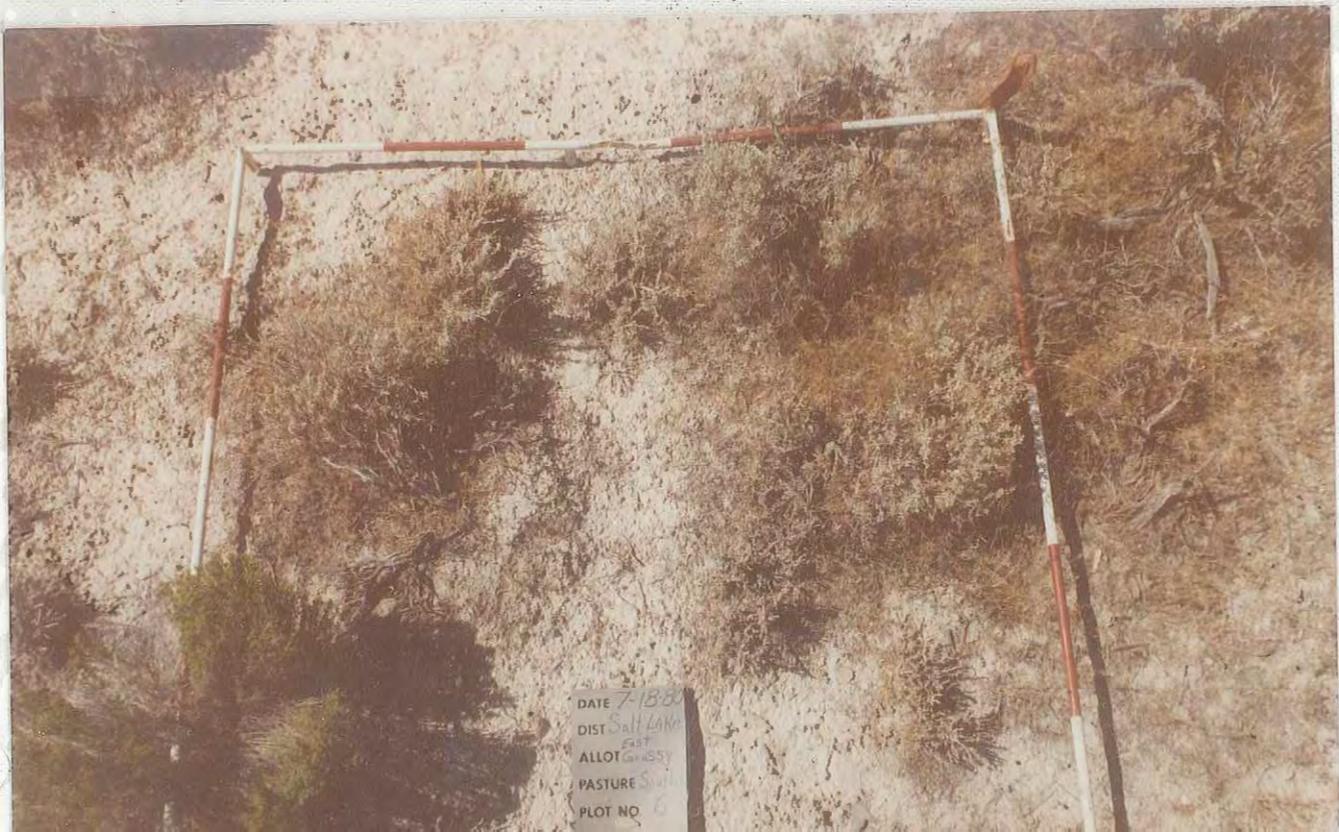
PART II - SUMMARY OF PLOT DATA

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

DUK SNAP



1976

READING # 4

PLOT # 6



1975

READING # 3

PLOT # 6

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

230 Beta
plants in
1/16 unit (Basal
area)

District Salt Lake
Resource Area Wasatch
Date 7/25/75
Examiner Cromer, Leonard Fahlgren

RANGE TREND PLOT DATA

Allotment Name

Fast Grassy - Robert Byrann + Sons

NUMBER

ALLOTMENT

PLOT

6

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)																	
Sihy	Brte			57			26				22					9						31	
		Arco		.75			1		6.0				.5										
		Eula											1.0										
		Arsp											.3									1.5	
LITTER					15				10				4.2				1.0					3.0	
Sihy	Brte			52			35					9			57						44		
		Arsp									1		1.5			0.75						.75	
		Arco		3.5					3.0							1.0						3.75	
		Eula												1		2.75						.25	
LITTER					11.5				6.0				2.0			11						7	
Sihy	Brte			62			48					7			70						48		
		Arco	1	3.5										1		.25						0.5	
		Arsp		.3			2		1.5										1			0.5	
		Eula																					
LITTER					11				9				3			14						9	
Brte				26			31					25			53						48		
		Arco										.10			1							.33	
		Arsp	1	1					1.25														
		Eula																					
		Gusa																				2	
LITTER					4				6				.5			8						6	
Orku	Brte						1		.01														
							13					15			44						44		
		Arco																					
		Arsp	3	1										1		1							
		Eula																			1	2	
		Gusa																					
LITTER					6				1				1.5			8						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)										
<i>Sihy</i>	0									
<i>Orhy</i>	1		.01	.25	.00					
<i>Bate</i>		882	3.8		.95	8.29				
TOTAL										
Forbs (Basal Cover)										
TOTAL										
Browse (Foliage Cover)										
<i>Atco</i> } <i>Key</i>	3		23.18		5.79	50.56	Composition, Key Species (percent)			63.66
<i>Eula</i> }	2		6.00		1.50	13.10	Cover, Live Vegetation (percent)			11.45
<i>Aasp</i>	7		10.95		2.71	23.66	Seedlings, Key Species (number)			0
<i>Gusa</i>	-		2.00		.50	4.36	Litter, Plot Total (percent)			41.17
TOTAL			45.84		11.45	99.97				
Litter			164.70		41.17					
PLOT TOTAL					52.62	100	TOTAL			116.28

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)

*Unusual cheatgrass
year - Av. of 4.4
plants per 1/16 unit
containing Bate.*

PART I - PLOT DATA BY SQUARE FOOT SECTION

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

*Loss of one Orhy
plant - Remaining
plant low in vigor*

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



1970

READING # 2

PLOT # 6

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>Byram</u>	Pasture <u>South</u>	Key Species	Elevation
Grazing System <u>deferred rotation</u>	PLOT		Slope
Treatment	Number <u>5</u>	Size <u>5x5</u>	Key Species <u>Eula</u>
	Vegetative Type <u>saltbush</u>		Exposure <u>SE</u>

LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measurement) (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>Oxy</u>	<u>4</u>		<u>-</u>		<u>-</u>	<u>26.7</u>	
TOTAL							
Forbs (Basal Cover)							
TOTAL							
Browse (Foliage Cover)							
<u>Atco</u>	<u>4</u>		<u>100.5</u>		<u>25.12</u>	<u>26.7</u>	<u>6 32 3/12 11-</u>
<u>Eula</u>	<u>5</u>		<u>9.5</u>		<u>2.38</u>	<u>33.3</u>	<u>1-143</u>
<u>Atsp</u>	<u>2</u>		<u>T</u>			<u>13.3</u>	
TOTAL							
Litter			<u>14</u>		<u>3.50</u>		<u>311441</u>
PLOT TOTAL					<u>31.00</u>	<u>100</u>	

Comments Most of the Atsp is dead or appears to be so. So does the Oxy.

TREND INDEX SUMMARY

Composition, Key Species (percent)	<u>60.00</u>
Cover, Live Vegetation (percent)	<u>27.50</u>
Seedlings, Key Species (number)	<u>0</u>
Litter, Plot Total (percent)	<u>3.50</u>
TOTAL	<u>91.00</u>

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. Soil relatively stable
2. Scattered. Hagl, Chvi, Saka, + Btc in the area. also, there are some "large" clumps of Spec-2
Some of the grasses + Asp are protected, but most species aren't.
3. Vigor is good to excellent except for Ohv which is poor.
4. Not much evidence of reprod.
5. Animal droppings + clipped off plants.
6. Slightly up.

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>Byram</u>	Pasture <u>South</u>	Key Species	Elevation
Grazing System <u>deferred rotation</u>	PLOT		Slope
Treatment	Number <u>6</u>	Size <u>5x5</u>	<u>Eula</u>
	Vegetative Type <u>saltbrush</u>	<u>Atco</u>	Exposure <u>SE</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>Orky</u>	<u>2</u>		<u>1.5</u>		<u>.38</u>	<u>12.5</u>	<u>1-</u>
TOTAL							
Forbs (Basal Cover)							
TOTAL							
Browse (Foliage Cover)							
<u>Atco</u>	<u>7</u>		<u>15</u>		<u>3.75</u>	<u>43.8</u>	<u>3-911-</u>
<u>Atco</u>	<u>4</u>		<u>49.5</u>		<u>12.37</u>	<u>25.0</u>	<u>7-11-1-209</u>
<u>Eula</u>	<u>2</u>		<u>8</u>		<u>2.00</u>	<u>12.5</u>	<u>35</u>
<u>Chvi</u>	<u>1</u>		<u>1.5</u>		<u>.38</u>	<u>6.2</u>	<u>1-</u>
TOTAL							
Litter			<u>17</u>		<u>4.25</u>		<u>46--6</u>
PLOT TOTAL					<u>23.13</u>	<u>100</u>	

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	<u>37.50</u>
Cover, Live Vegetation (percent)	<u>18.88</u>
Seedlings, Key Species (number)	<u>0</u>
Litter, Plot Total (percent)	<u>4.25</u>
TOTAL	<u>60.63</u>

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 plot #5 (1970)

1969

READING # 1

PLOT # 6

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District
SALT LAKE

Date
8-13-69

Examiner
CARPENTER, BENNETT, PERKINS

RANGE TREND PLOT DATA

21 Steps West of the Post (Red)

Allotment <u>BUYAM</u>	Pasture <u>South</u>	Key Species <u>Arsp</u>	Elevation
Grazing System <u>DEFERRED ROTATION</u>	PLOT Number <u>6</u> Size		Slope
Treatment	Vegetative Type <u>SALT RUSH</u>	<u>Evla</u>	Exposure <u>SOUTH EAST</u>

LIST BY SPECIES (a)	NUMBER		1/16 SQ. FT. UNITS (estimate) (d)	TOTAL SQ. IN. (measurement) (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>Orchyr Indigo Root 2</u>			<u>2</u>		<u>.50</u>	<u>9.1</u>	
TOTAL			<u>2</u>				
Forbs (Basal Cover)							
TOTAL							
Browse (Foliage Cover)							
<u>HTSP Bud. 4</u>			<u>20</u>		<u>5.00</u>	<u>18.2</u>	
<u>HTCO Skad 4</u>			<u>53.5</u>			<u>18.2</u>	
<u>Evla Winter 2</u>			<u>6 1/2</u>		<u>1.625</u>	<u>9.1</u>	
<u>CAVI Rabbit 9</u>		<u>1</u>	<u>1/2</u>		<u>.125</u>	<u>45.9</u>	
TOTAL			<u>27</u>		<u>7.25</u>	<u>100.0</u>	
Litter							
PLOT TOTAL							

Key Sp. -
9.1
18.2
9.1

3 1/2 - 2 - 9 1/2 - 5
14 - 11 - 26 - 2 1/2
22

Comments RED POST IS .85 MILES FROM WELL, 1.5 MILES FROM LOW.

TREND INDEX SUMMARY

Composition, Key Species (percent)	<u>36.4</u>
Cover, Live Vegetation (percent)	<u>7.2</u>
Seedlings, Key Species (number)	
Litter, Plot Total (percent)	
TOTAL	<u>43.6</u>

