

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District

SALT LAKE

Date

8-13-69

Examiner

GARDNER BENNETT PERKINS

RANGE TREND PLOT DATA

68 steps west of Red Post

Allotment	Byram	Pasture	North	Key Species	Elevation
Grazing System	DEFERRED ROTATION			FISA	Slope
Treatment	SAGEBRUSH - GRASS			ALNO	Exposure
		Number	Size	POST	SOUTH EAST

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)							
Elsa John W.R.	2	1	10		2.5	42.9	1-1/2-2-4
Poss Sandburg	1		1/2		.125	14.3	
TOTAL			10.5				
Forbs (Basal Cover)							
Browse (Foliage Cover)							
Arvo Black Sage 2			41		10.25	28.5	9-2-2-9-3
EPNE. Brighamite 1			22 1/2		5.625	14.3	1 1/2-18-3
TOTAL			63.5		18.5	100.0	
Litter							
PLOT TOTAL							

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	85.7
Cover, Live Vegetation (percent)	18.5
Seedlings, Key Species (number)	
Litter, Plot Total (percent)	5.0
TOTAL	109.2

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

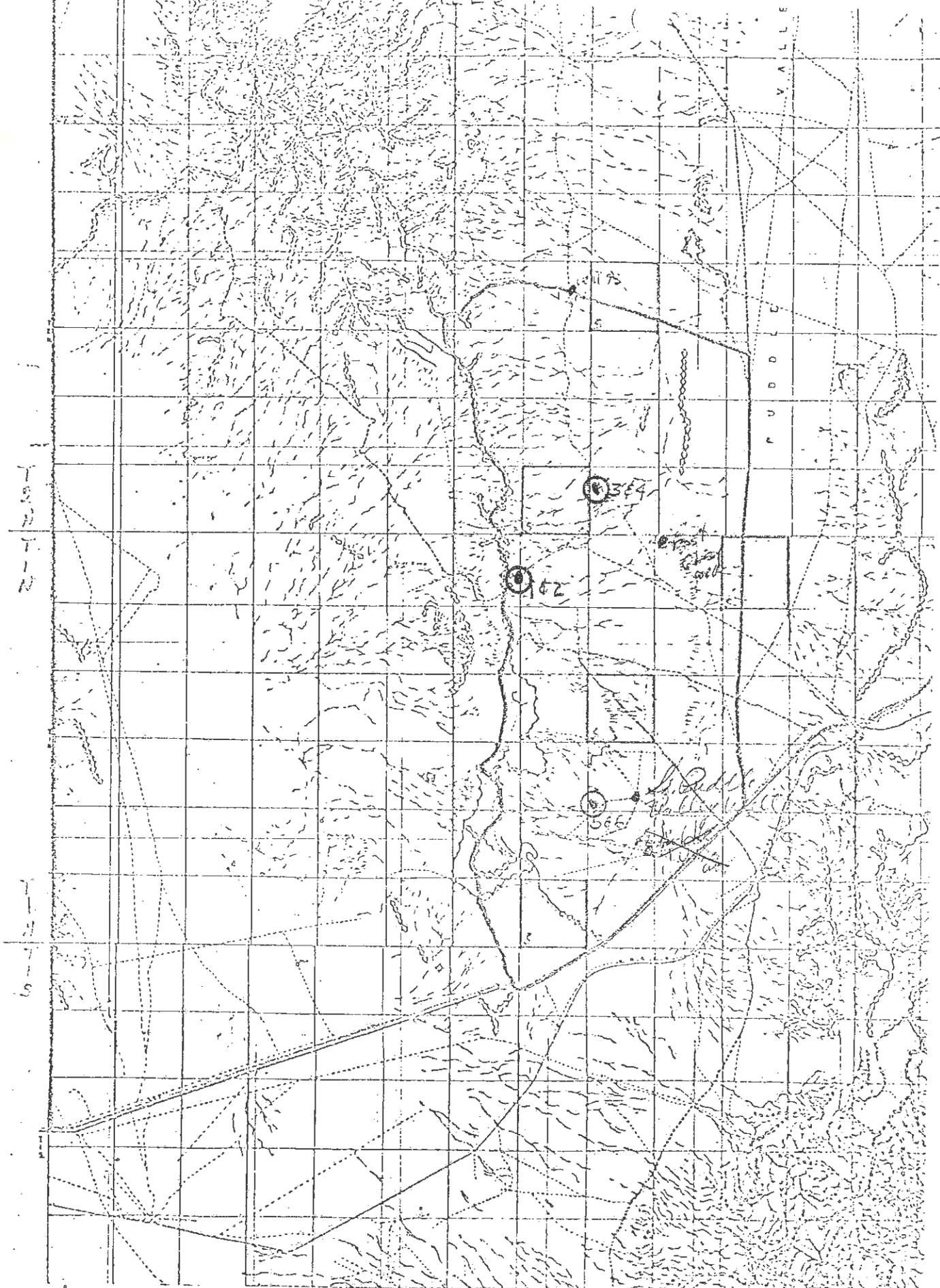
From Low, 1.5 miles west to South ^Puddle Valley well. Then, .85 miles westerly to red, steel post. The plot is 28 steps NNW from red post.

Range Study #6

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

Low

YRAM ALLOT



O-RANGE STUDY PLOTS

ALLOTMENT	EAST GRASSY								
DATE	8/19/1970								
PLOT	EG-3								
	NUMBER		1/16 SQ. FT	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings	UNITS	Cover	Composition	<i>Composition, Key Species</i>		50	
<i>Grasses (basal cover)</i>						<i>Cover, Live Vegetation</i>		16.5	
SIHY	6		6	1.5	42.9	<i>Seedlings, Key Species</i>		0	
						<i>Litter, Plot Total</i>		6	
						TOTAL		72.5	
TOTAL	6	0	6	1.5	42.9				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
EULA	4		12.5	3.12	28.6				
ATCO	3		44.5	11.13	21.4				
ARSP	1		3	0.75	7.1				
TOTAL	8	0	60	15	57.1				
LITTER			24	6					
PLOT TOTAL	14	0	66	22.5	100				

ALLOTMENT	EAST GRASSY								
DATE	6/18/1986								
PLOT	EG-3								
	NUMBER		1/16 SQ. FT UNITS	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings		Cover	Composition	<i>Composition, Key Species</i>		25.8	
<i>Grasses (basal cover)</i>						<i>Cover, Live Vegetation</i>		11.25	
SIHY	7	1	10.5	2.65	13.6	<i>Seedlings, Key Species</i>		0	
ORHY	2		0.6	0.15	0.7	<i>Litter, Plot Total</i>		8.23	
						TOTAL		45.28	
TOTAL	9	1	11.1	2.8	14.3				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
ATCO	7		36.1	9	46.2				
CELA	2		9	2.25	11.5				
TOTAL	9	0	45.1	11.25	57.7				
LITTER			32.9	8.23					
PLOT TOTAL	18	1	56.2	22.28	72				

1990

READING # 7

PLOT # 3

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)										
TOTAL										
Forbs (Basal Cover)										
TOTAL										
Browse (Foliage Cover)										
TOTAL										
er										
PLOT TOTAL									TOTAL	

PART IV - TREND INDEX SUMMARY

Composition, Key Species (percent)	
Cover, Live Vegetation (percent)	
Seedlings, Key Species (number)	
Litter, Plot Total (percent)	
TOTAL	

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



1986

READING # 6

PLOT # 3

UNITE STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District Salt Lake
Resource Area Pony Express
Date June 18, 1986
Examiner Kidd

Allotment Name

East Grassy

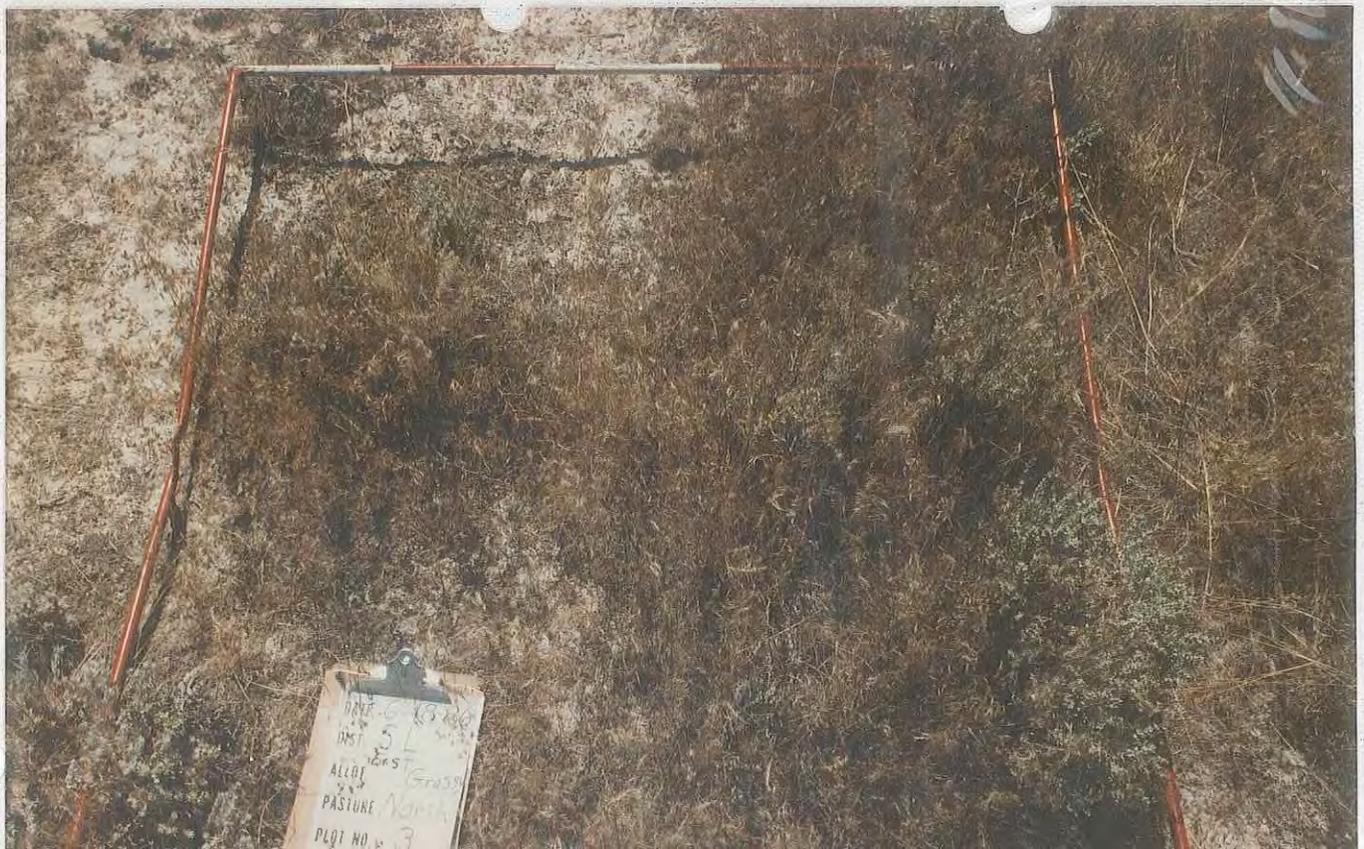
NUMBER

North

3

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)																
		Atco															1			2		8
Sihy																				2		7
Brte					T				T				1				5					8
Brte					1				1				1									
Orhy							1		.5													
	LITTER				1				2				1				1					1
		Cela	1		3		1		2.5													
Sihy			1		1		1		4													
Brte			Ann		1				2		Ann		1						Ann			4
Brte											Ann		2		Ann		6					
		Atco													1		2					3.5
	LITTER				2				4				1				2					4
		Atco													1		2		1			5
Brte			Ann		1		Ann		3		Ann		1		Ann		3					3
Sihy									2								1	T		1		T
			Ann cup		1		Ann				Ann		2									
		Cela			1				1													
	LITTER				1				1				1				2.5					1
		Cela			.5																	
		Atco			.1															1		8
Brte			Ann		T		Ann		.5		Ann		.5				.5		Ann			2
			Ann		1		Ann		1		Ann		.7				.2					
	LITTER				.5				.2				2				2					1
		Atco	1		1.5										Ann		3		Ann			5
Brte							Ann		1				1									1
Sihy											1		3.5		1		.1					
			Ann cup				Ann		.5				.5									
		Cela			1				1													
Orhy			1		.1																	
	LITTER				1				.5				.5				1					.5



1982

READING # 5

PLOT # 3

UNIT STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District Salt Lake
Resource Area Pony Express
Date and Time 7-9-82 11:10
Examiner Ridd-Hawkins

Allotment Name

East Grassy

NUMBER

ALLOTMENT

PLOT

North past.

3

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							5		2		3		7		3					10		2	
		Eula													1		1.3						
		Atco													1		.2					5	
Sihy															1		.2		1	2	.2		
		LITTER			1				1				1									3	
		Atco															3.5					.1	
Sihy							1		T						1		T		1			.1	
Brte			4		.1		3		T		8		T		14		.1		2			T	
		Eula	1		8		1		8				.3										
		LITTER			.2				.2				.2				.6					1	
Brte			3		T		2		.		2				20				3			T	
		Eula							3				.5										
		Atco													2		6					4	
Sihy															2		.5						
		LITTER			.2				.1				.1				1.2					1.3	
		Atco	1		1										3		3		1			5	
Brte			3				1				3		T		5		T		6			.1	
Sihy															1		.3						
		Eula			.5																		
		LITTER			1				1				.1				2					1	
		Atco			2														1			1.5	
		Eula	1		2																		
Brte			15		.2						3		T		5		.1		3			T	
Sihy							1		.1		1		1.5										
		Arsp											.1		1		4.5						
		LITTER			1				.2				.1				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)	COMPO-SITION (g)				
Grasses (Basal Cover)										
SIHY	9	2	2.8		.7	4.4				
BRTZ	121		1.5		.3	1.89				
TOTAL										
Forbs (Basal Cover)										
TOTAL										
PART IV - TREND INDEX SUMMARY										
Browse (Foliage Cover)							Composition, Key Species (percent) EULA ARSP SIHY	48.8		
EULA	4		23.6		5.9	37.2	Cover, Live Vegetation (percent)	15.8		
ATCO	6		31.2		7.8	6	Seedlings, Key Species (number)	2		
ARSP	1		4.6		1.15	7.2	Litter, Plot Total (percent)	5.1		
TOTAL					15.85		TOTAL	71.7		
er			20.6							
PLOT TOTAL										

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

71.7 / 62.7 =
DATA FROM BEST TREND 114.



DATE 7-9-83
DIST Salt Lake
ALLOT 88
PASTURE North

1980

READING # 4

PLOT # 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District
Salt Lake
Resource Area
Pony Express
Date
7-18-80 2:00pm
Examiner
Lienhardt-Kind

Allotment Name

EAST Grassy

pasture NUMBER
ALLOTMENT PLOT
North 3

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)																
		Cela									1						1.5					
		Atco									1						2.3					4.2
Sihy											1						.3					
Brite											3						.1					
	LITTER				1.5				2.3					.8			3					4
		Cela	1		5.5		2		9					.3								
Brite			3		.1										8		.1					
Sihy							1		.5						1		.8					.2
		Atco															2					
	LITTER				2.5				3.5					4.5			4					3
		Cela			.6				3					.8								
		Atco												.1	1		10					.6
Brite											5			.1	10		.1					
	LITTER				3				4.5					3.5			4					5
		Atco	1		.8										1		4					3
Sihy															1		.4					
		Cela			.1																	
Brite			2		.1						2			.1	15		.2		8			.1
	LITTER				.5				1					.5			2.5					1.7
		Atco			1.8																	2.5
		Cela			1.2																	
Sihy											1		1.5		1		.3					
		Asp											.1		1		.1					
	LITTER				.6				.1					.5			5					.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)											
Brite	56		1.1		2.7	2					
Sihy	6		4		1	7					
TOTAL											
Forbs (Basal Cover)											
TOTAL											
Browse (Foliage Cover)											
At Co	4		31.3		7.8	53					
Eula	4		22		5.5	38					
TOTAL	70		58.4		14.6						
Litter			62.2		15.6						
PLOT TOTAL					30.2	100					
										PART IV - TREND INDEX SUMMARY	
										Composition, Key Species (percent)	38
										Cover, Live Vegetation (percent)	14.6
										Seedlings, Key Species (number)	0
										Litter, Plot Total (percent)	15.6
										TOTAL	68.2

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



DATE 7-18-80
DIST Salt Lake
ALLOT EAST 6 mi
PASTURE North
PLOT NO. 3



DATE 7-18-80
DIST Salt Lake
ALLOT EAST 6 mi
PASTURE North
PLOT NO. 3

1976

READING # 3

PLOT # 3



No date??

384 EAST GRASSY

SECTION II - SPECIES LIST

SECTION III - SSF

SECTION II - SPECIES LIST					SECTION III - SSF	
SYMBOL	SYMBOL	SYMBOL	SYMBOL	SYMBOL	ITEM	RATING
					Soil Movement	5
					Surface Litter	4
					Surface Rock	4
					Pedestalling	7
					Flow Patterns	8
					Rills	5
					Gullies	8
					TOTAL (SSF)	41

SECTION IV - STEP-POINT DATA (200 POINTS)

MODERATE

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

B

NP

1970

READING # 2

PLOT # 3

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>North</u>	Key Species	Elevation
Grazing System <u>deferred rotation</u>	PLOT Number <u>3</u> Size <u>5x5</u>		Slope
Treatment	Vegetative Type <u>saltbush</u>	Key Species <u>Atco</u> <u>Eula</u>	Exposure <u>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>Siky</u>	<u>6</u>		<u>6</u>		<u>1.50</u>	<u>42.9</u>	<u>1-121-</u>
TOTAL							
Forbs (Basal Cover)							
TOTAL							
Browse (Foliage Cover)							
<u>Eula</u>	<u>4</u>		<u>12.5</u>		<u>3.12</u>	<u>28.6</u>	<u>5-61</u>
<u>Atco</u>	<u>3</u>		<u>44.5</u>		<u>11.13</u>	<u>21.4</u>	<u>4120 19-</u>
<u>Atsp</u>	<u>1</u>		<u>3</u>		<u>.75</u>	<u>7.1</u>	<u>12</u>
TOTAL							
Litter			<u>24</u>		<u>6.0</u>		<u>755 2.5</u>
PLOT TOTAL					<u>22.50</u>	<u>100</u>	

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	<u>50.00</u>
Cover, Live Vegetation (percent)	<u>16.50</u>
Seedlings, Key Species (number)	<u>0</u>
Litter, Plot Total (percent)	<u>6.0</u>
TOTAL	<u>72.50</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.

1. Slight sheet & gully erosion
Vegetation is on pedestals.
2. Hagl + Bute scattered throughout the area. - also, Tesp + Chvi.
There is some Orhy, although it wasn't in the plots.
25% of the grasses are protected.
3. Vigor is good
4. Little rep.
5. animal droppings
6. Static



DATE 8-19-70
DIST SALT LAKE
ALLOT BYRAM
PASTURE NORTH
PLOT NO. 3



DATE 8-19-70
DIST SALT LAKE
ALLOT BYRAM
PASTURE NORTH
PLOT NO. 3

1969

READING # 1

PLOT # 3

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

37 Steps N.W. from Red Tie Pole

Allotment <i>Butane</i>	Pasture <i>North</i>	Key Species <i>Eula</i>	Elevation
Grazing System <i>DEFERRED ROTATION</i>	PLOT		Slope
Treatment	Number <i>3</i>	Size <i>5X5'</i>	Exposure <i>EAST</i>
	Vegetative Type <i>SALT BUSH</i>		ARSP

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>Sily squarrel tail</i>	<i>5</i>		<i>4</i>		<i>1</i>	<i>38.4</i>	<i>1 1/2 - 1 - 2 1/2</i>
TOTAL			<i>4</i>				
Forbs (Basal Cover)							
<i>Eula Winterfat</i>	<i>4</i>		<i>11 1/2</i>		<i>2.875</i>	<i>30.8</i>	<i>2 - 1 - 9 - 1</i>
<i>Htco Shad Seed</i>	<i>3</i>		<i>59</i>		<i>14.75</i>	<i>23.1</i>	<i>11 - 11 - 9 - 4 - 14</i>
<i>ArSP Bud Sage</i>	<i>1</i>		<i>2 1/2</i>		<i>.675</i>	<i>7.7</i>	<i>2 1/2 15</i>
TOTAL			<i>73</i>		<i>19.250</i>	<i>100.0</i>	
Litter							
PLOT TOTAL							

Key Spns
Eula 30.8
ArSP 7.7

38.5

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	<i>38.5</i>
Cover, Live Vegetation (percent)	<i>19.2</i>
Seedlings, Key Species (number)	
Litter, Plot Total (percent)	<i>5</i>
TOTAL	<i>62.7</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.



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.

ALLOTMENT	EAST GRASSY								
DATE	8/13/1969								
PLOT	EG-4								
	NUMBER		1/16 SQ. FT UNITS	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings		Cover	Composition	<i>Composition, Key Species</i>	57		
<i>Grasses (basal cover)</i>						<i>Cover, Live Vegetation</i>	12.3		
SIHY	2		1	0.25	28.5	<i>Seedlings, Key Species</i>	0		
						<i>Litter, Plot Total</i>	5		
						TOTAL	74.3		
TOTAL	2	0	1	0.25	28.5				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
EULA	3		11.5	2.875	42.9				
ATCO	1		32	8	14.3				
ARSP	1		5	1.25	14.3				
TOTAL	5	0	48.5	12.125	71.5				
LITTER									
PLOT TOTAL	7	0	49.5	12.375	100				

ALLOTMENT	EAST GRASSY								
DATE	8/19/1970								
PLOT	EG-4								
	NUMBER		1/16 SQ. FT UNITS	PERCENT		TREND INDEX SUMMARY			
List by Species	Mature	Seedlings		Cover	Composition	<i>Composition, Key Species</i>	50		
<i>Grasses (basal cover)</i>						<i>Cover, Live Vegetation</i>	12		
SIHY	3		1	0.25	37.5	<i>Seedlings, Key Species</i>	0		
						<i>Litter, Plot Total</i>	4.5		
						TOTAL	66.5		
TOTAL	3	0	1	0.25	37.5				
<i>Forbs (basal cover)</i>									
TOTAL	0	0	0	0	0				
<i>Browse (foliage cover)</i>									
EULA	3		10	2.5	37.5				
ATCO	1		34	8.5	12.5				
ARSP	1		3	0.75	12.5				
TOTAL	5	0	47	11.75	62.5				
LITTER			18	4.5					
PLOT TOTAL	8	0	48	16.5	100				

1990

READING # 7

PLOT # 4

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 1:00pm*
Examiner
Gary Kidd

Allotment Name

EAST Grassy

NUMBER

ALLOTMENT

PLOT

4

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)			
	<i>Saka</i>		1	5	.2		4	.1		5	.2		1	2	.7		5	.2					<i>(1.4)</i>
<i>Brte</i>			4		.1	<i>num</i>	1		10		.3		4		.1		4						<i>(1.7)</i>
	<i>Eula</i>									1		.2											
		LITTER			.5			1					1										1.5
	<i>Jula</i>		1	2	.5		3	1	3				.7		1	1	.5		1				.5
<i>Siky</i>							1		.5												1		.1
<i>Brte</i>			4		-		2		-		2		-				<i>num</i>						.5
	<i>Saka</i>			2	-		1	1	.1		4		.2		4		.1						<i>(.4)</i>
		LITTER				1			3					1									2
<i>Orhy</i>			1		2																		
	<i>Saka</i>			3	.1		4	.1		6	6	.2		2	5	.3					6	.1	<i>(.8)</i>
	<i>Nagl</i>																						
<i>Brte</i>			2		-		5		.1		2		-		5		.1		<i>num</i>				1.5
	<i>Eula</i>								<i>trace</i>	1	1	.3		3		2							
		LITTER			.8				2				1.5										1
	<i>Nagl</i>						1	-													1		-
	<i>Saka</i>		4		.2		1	-			12	.3		6	.2		2	2			2	2	.1
	<i>Eula</i>						1		.3		1	-		1	.5						1		-
<i>Brte</i>	<i>Brte</i>						1	-		3		-		5		.1		<i>num</i>					<i>(.1)</i>
<i>Orhy</i>					.2																		
		LITTER				1			2				.6										1
	<i>Nagl</i>			3	-																		1
	<i>Saka</i>			2	-		1	<i>num</i>			7	.1		7	.1								
<i>Brte</i>			4		-		4			4				1	-		5						.1
	<i>Eula</i>													3	.2		1				1		.5
	<i>Atcd</i>																1						2
		LITTER			.5				3				3										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)										
Orhy	1		2.2		.55	8.1				
Brte			4.1		1.02	15				
Sihy	2		.6		1.5	22.15				
TOTAL										
Forbs (Basal Cover)										
Saka			3.6		.9	13.3				
Wagl										
TOTAL										
Browse (Foliage Cover)										
Eula (celo)	12	11	9.2		2.3	33.97				
Atco	1		2		.5	7.38				
TOTAL					6.77					
er					43.4					
PLOT TOTAL										
							PART IV - TREND INDEX SUMMARY			
							Composition, Key Species (percent)	64.22		
							Cover, Live Vegetation (percent)	6.77		
							Seedlings, Key Species (number)	11		
							Litter, Plot Total (percent)	43.4		
							TOTAL	125.39		

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.

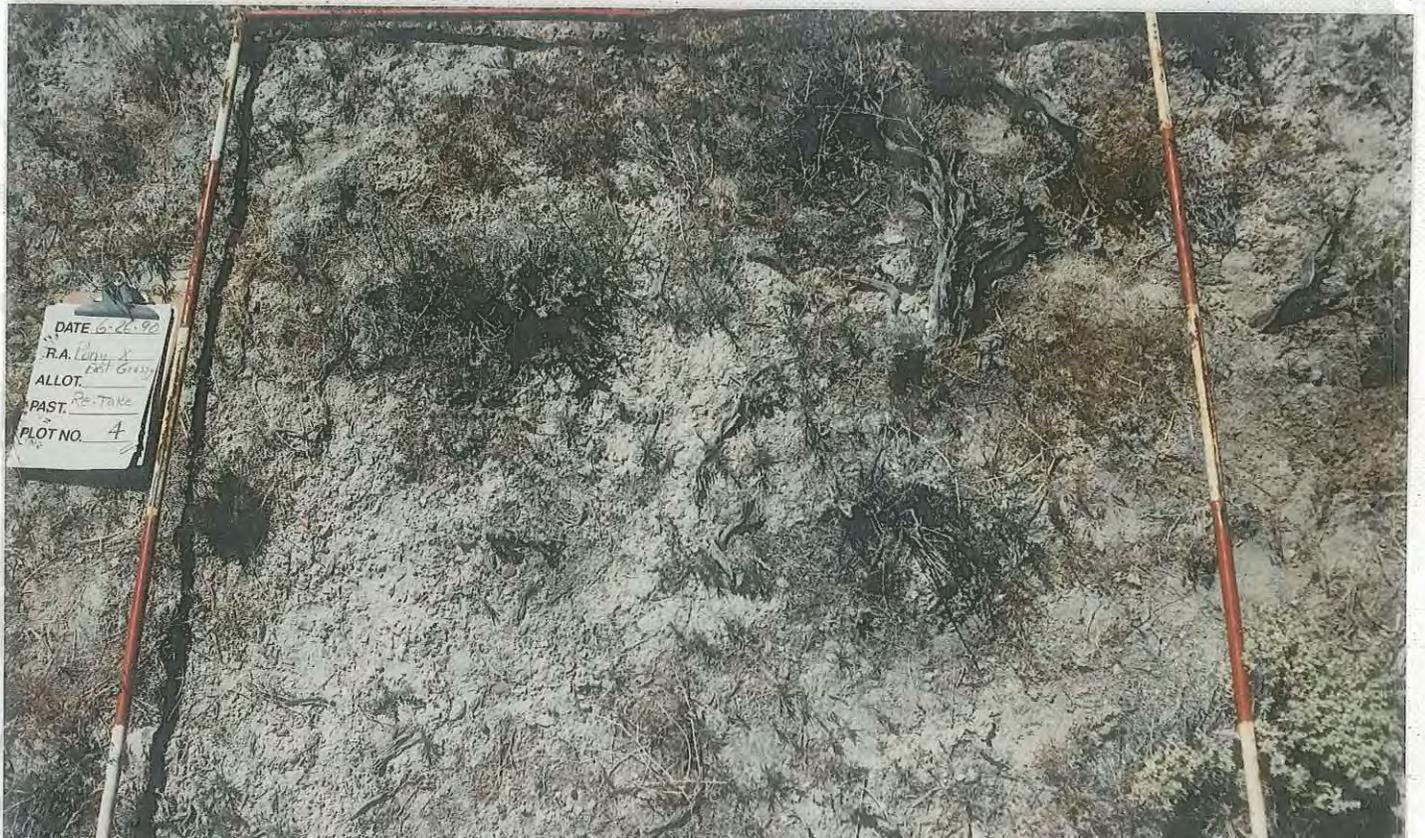
Total - Total data for each specie and enter (Part - II)

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



1986

READING # 6

PLOT # 4

UNITEL STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District Salt Lake
Resource Area Pony Express
Date 6-18-86 12:00 noon
Examiner Kidd

Allotment Name East Grassy

NUMBER
ALLOTMENT North PLOT 4

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)																
Brite					1				1.5				1		AM		4					.5
	Butter cup				.5				.2													.5
		Cela					1		1													7
		Atco													1		4					1
		LITTER			1				.5													.5
Brite		Cela	2		2		1		3.5				.3		1		.2			1		.1
Sily			AM		1				.5				2				5		AM			4
	Butter cup						1		.2													2
		Atco											.5									2
		LITTER			.5				1				.5				1					
Orhy			1		1.5																	
Brite	Butter cup				1.5				.5				.5		AM		.5					
		Cela			7				.5				.5		AM		2					1
		Atco							1				.3		1	1	2					
		LITTER			.5				1				.5				.5					.5
Orhy					.2																	
Brite	Butter cup		AM		.5		AM		.2		AM		1		AM		1		7			1
		Cela			.5		AM		.5		AM		.5		AM		7					
		Atco					1		.3						2		2					1
		LITTER			.5				1				.5				1					
Brite		Atco																				3
					.5		AM		1		AM		3				7		AM			7
	Butter cup				.5		AM		.5		AM		.5				1					
		Cela											.5									
		LITTER			1.5				1				1				2					.5



DATE 6-18-36
DIST S L
ALLOT East
PASTURE North
PLOT NO. 4



DATE 6-18-36
DIST S L
ALLOT East
PASTURE North
PLOT NO. 4

1982

READING # 5

PLOT # 4

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RANGE TREND PLOT DATA

District
SALT LAKE

Resource Area
PERA

Date and Time 7/9/82 12:00

Examiner
KIDD/HAWKINS

Allotment Name

EAST GRASSY

NUMBER

ALLOTMENT

PLOT

EAST
GRASSY

4

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)
EULA			1	T		1		.3														
HAGL			2	T		1		.1			2	T		1	T							
BRTE						5		.1			5	T		10					6		T	
ATCO																						.5
LITTER					.5			.6					1									2.5
ATCO														1								2.5
EULA			2	.3		2		.4				.2		2					1	1	.2	
BRTE			5	T		20		.2		3	T		10	.2		20						
SIHV						1		.3				.1		2		.2						
HA			1	T																		
LITTER					4			2				2				1.5						2
ORHY				1	T																	
BRTE			6	T			5	T		7	T			5	.1		4			T		
EULA			1	T			1	T						1	1.5							
SIHV								.1														
CHVI											1	T										
LITTER					.5			2				1				1						1
BRTE			2	T			2	T		5	T		10	.2		4				T		
EULA							1	T						1	1	2.5						
ORHY					.1																	
LITTER					.2			.6				1				.5						.5
BRTE			2	T		5		.1		5	.1		4	.1		4				T		
EULA												.1										
ARSP												2		1	2							
SIHV														1	.2							
AT																						1.3
LITTER					.5			.5				2				.5						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)										
SIHY	4	.	.9		.2	3.4				
ORHY		1	.1		-					
BRTE	137	-	1.1		.27	4.6				
TOTAL										
Forbs (Basal Cover)										
HABL		7	T							
TOTAL										
Browse (Foliage Cover)										
EULA	6	9	9.1		2.27	39.				
ATCO	1	0	8.3		2.07	35.6				
AASP		1	4		1	.1				
TOTAL					5.91					
er			29.9							
PLOT TOTAL										
							PART IV - TREND INDEX SUMMARY			
Composition, Key Species (percent) EULA AASP SIHY							42.5			
Cover, Live Vegetation (percent)							5.81			
Seedlings, Key Species (number)							10			
Litter, Plot Total (percent)							29.9			
							TOTAL			
							88.21			

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

74 TOTAL FROM FIRST TREND DATA

88.21 / 74 =

TREND INDEX 119



1980

READING # 4

PLOT # 4

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

District SALT LAKE
Resource Area Pony Express
Date 7-18-80 2:20pm
Examiner Lichtenhardt-Ridd

RANGE TREND PLOT DATA

Allotment Name

East Grassy

NUMBER

ALLOTMENT

PLOT

North

4

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>Nagl</u>		1	14	.3		2	10	.3			1	.1									
		<u>Cela</u>		1	.1		1	.1			1	.1										
<u>Brte</u>			1		.1		3		.1					20		.2		20			.1	
<u>Dthy</u>								1	.1													
		<u>Atco</u>														3						.6
	LITTER				1				.5				.3				1					3
	<u>Nagl</u>		2	15	.2		5	.1														
		<u>Cela</u>	2		.1		2	1	3													
<u>Brte</u>			4		.1		12		.1		2	.1		25		.2		30			.4	
		<u>Atco</u>												1		1.2					3	
<u>Sly</u>														1		1		1			.8	
	LITTER				3				2.5				.3				1.5					2
		<u>Cela</u>		2	.1				1.5						1	.7						
<u>Brte</u>			5		.1		5		.1		2	.1		4		.1		10			.1	
<u>Sly</u>							1		.8												.6	
		<u>Atco</u>																				.6
	LITTER				1.5				1.5				.5				.3					1.5
		<u>Cela</u>					2	.1			5	.1		5	1	2.3					.1	
<u>Brte</u>			3		.1				.1					5		.1		3			.1	
	<u>Nagl</u>			4	.2											.6						
		<u>Arsp</u>																				
	LITTER				.1				1.5				.5				.4					.5
		<u>ArSp</u>											1.8		1							
		<u>Atco</u>																				1.8
<u>Brte</u>			1		.1		2		.1		10		.1	1		.1		3			.1	
	<u>Nagl</u>			2	.1																	
		<u>Cela</u>											.1			.1						
	LITTER				.8				.5				1.5				.2					3

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	151	5	2.8		.7					
Or hy		1	.1							
Si hy	3		2.6		.7					
TOTAL										
Forbs (Basal Cover)										
Hagl	5	51	1.3		.3					
TOTAL										
Browse (Foliage Cover)										
Eula	5	10	8.3		2					
A+CO	1		7.2		1.8					
ArSP	1	1	3.4		.9					
TOTAL	165	68	25.7		6.4					
Litter			31.4		12.9					
PLOT TOTAL					19.3					
							PART IV - TREND INDEX SUMMARY			
							Composition, Key Species (percent)	2.9		
							Cover, Live Vegetation (percent)	6.4		
							Seedlings, Key Species (number)	11		
							Litter, Plot Total (percent)	12.9		
							TOTAL	33.2		

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.

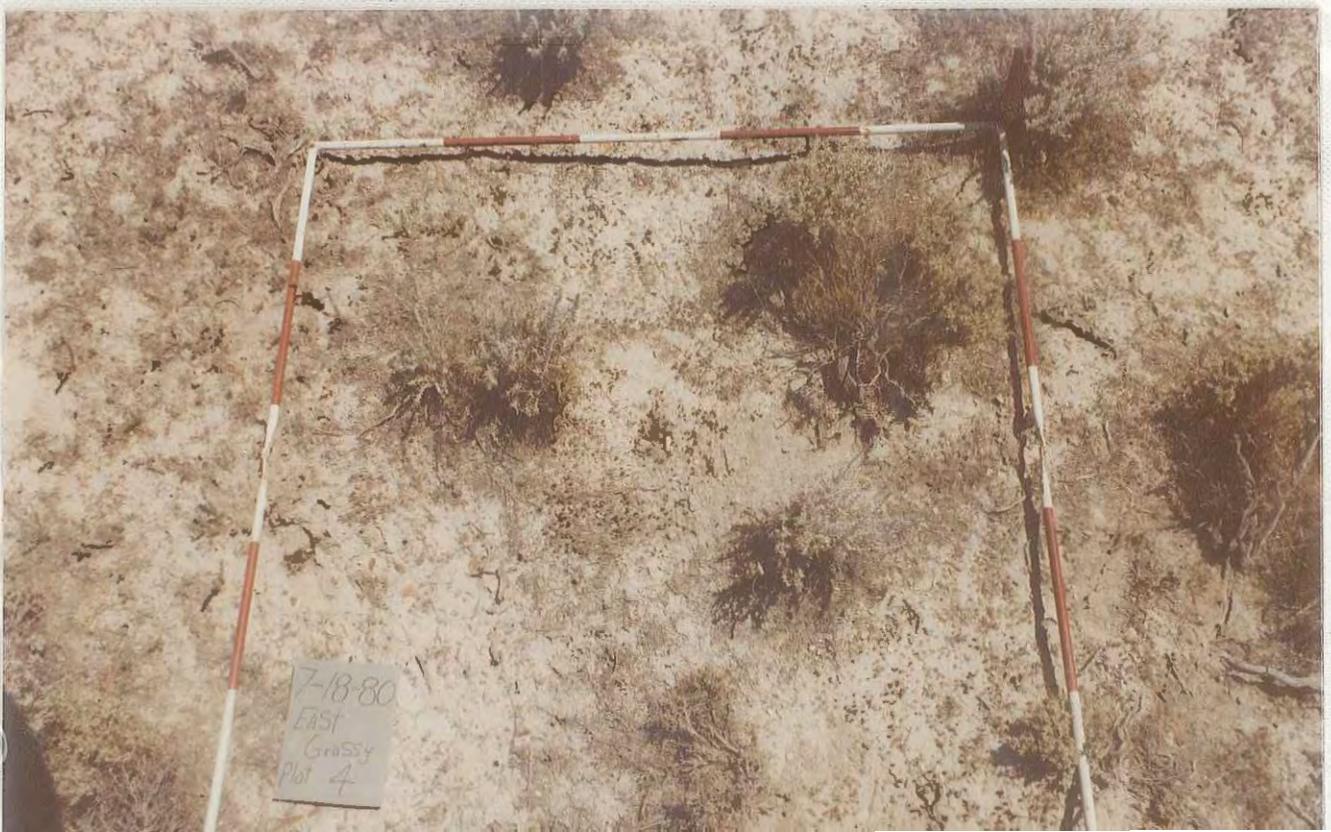
Total - Total data for each specie and enter (Part - II)

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 # 4



1970

READING # 2

PLOT # 4

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>North</u>	Key Species	Elevation
Grazing System <u>deferred rotation</u>	PLOT		Slope
Treatment	Number <u>4</u>	Size <u>5x5</u>	Key Species <u>Atco</u>
	Vegetative Type <u>saltbush</u>		Exposure <u>Eula</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>Siky</u>	<u>3</u>		<u>1</u>		<u>.25</u>	<u>37.5</u>	<u>--</u>
TOTAL							
Forbs (Basal Cover)							
TOTAL							
Browse (Foliage Cover)							
<u>Eula</u>	<u>3</u>		<u>10</u>		<u>2.50</u>	<u>37.5</u>	<u>7-2-</u>
<u>Atco</u>	<u>1</u>		<u>34</u>		<u>8.50</u>	<u>12.5</u>	<u>19 1/2</u>
<u>Arsp</u>	<u>1</u>		<u>3</u>		<u>.75</u>	<u>12.5</u>	<u>3</u>
TOTAL							
Litter			<u>18</u>		<u>4.50</u>		<u>3447</u>
PLOT TOTAL					<u>16.50</u>	<u>100</u>	

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	<u>50.00</u>
Cover, Live Vegetation (percent)	<u>12.00</u>
Seedlings, Key Species (number)	<u>0</u>
Litter, Plot Total (percent)	<u>4.50</u>
TOTAL	<u>66.50</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 # 3 (1970)



DATE 8-19-70
DIST. MIT LAKE
ALLOT. 84-400M
PASTURE NORTH
PLOT NO. 4

1969

READING # 1

PLOT # 4

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

41 steps S-W from Red Top Peak

Allotment <u>Byram</u>	Pasture <u>Not Plc</u>	Key Species <u>Eula</u>	Elevation
Grazing System <u>DEFERRED ROTATION</u>	PLOT Number <u>4</u> Size <u>5'x5'</u>		Slope
Treatment	Vegetative Type <u>SALT RUSH</u>	<u>ArSP</u>	Exposure <u>EAST</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>Silyb Squiro/Fal 2</u>			<u>1</u>		<u>.25</u>	<u>28.5</u>	<u>1/2</u>
TOTAL			<u>1</u>				
Forbs (Basal Cover)							
<u>Eula Winter 3</u>			<u>11 1/2</u>		<u>2.975</u>	<u>42.9</u>	<u>4-3 1/2-4</u>
<u>ArSP Shad 1</u>			<u>3 2</u>		<u>8</u>	<u>14.3</u>	<u>8-24</u>
<u>ArSP Bul saw 1</u>			<u>5</u>		<u>1.25</u>	<u>14.3</u>	
TOTAL			<u>48.5</u>		<u>12.375</u>	<u>100.0</u>	
Litter							
PLOT TOTAL							

Key Spp.
Eula 43
ArSP 14
57

Comments

TREND INDEX SUMMARY

Composition, Key Species (percent)	<u>57</u>
Cover, Live Vegetation (percent)	<u>12.3</u>
Seedlings, Key Species (number)	
Litter, Plot Total (percent)	<u>5</u>
TOTAL	<u>74</u>