EAST GRASSY

ALLOTMENT

04025

MONITORING DATA

RANGELAND

HIDATIA

ASSESSMENTS

FOR

EAST GRASSY ALLOTMENT

元(35(1): 新紀 JO5016A

Rangeland Health Evaluation Summary Worksheet

Part 1. Area of Interest Documentation (Bold ite	ms require completion, other information is optional)
StateOfficeO	Management Unit <u>FAST (514554</u>
Pasture/Watershed ID# ID# ID#	Major Land Resource Area
Location (description)	E1331422
Legal T ,R ,Sec , 1/4, 1/4	or Lat,Long or UTM Coard <u>v:4521765</u>
Size of Evaluation Area	
Observer(s) Gates, Hardy, Heaton, Torr	es Date 5-1-02
Ecological Site Desert Joseph 12	Soil Map Unit Name 69
Soil/Site Ve	rification
Rangeland Ecological Site Description and/or Soil Survey Surface Texture	Area of Interest Determination Surface Texture
Depth: Very Shollow Shallow Moderate Deep (<10") (10"-20") (20"-40") (>40")	Depth: Very Shallow Shallow Moderate Deep (<10") (10"-20") (20"-40") (>40")
List diagnostic horizons in profile and depth	List diagnostic horizons in profile and depth
3	
24	2 4
Parent Material Slope 4 % Elevation 42	🖄 ft Topographic Position Aspect 上
Avg Annual Precip Recent Weather (last 2	
Describe wildlife and livestock use and recent disturbanistic, Important habitat for anteloge population	nces Looks like fairly herry sheeperse on
Describe offsite influences on area of interest	

Species Dominance Worksheet

Part 1 (Required)

The most common species, noxious weeds (state-listed plants), invasive natives, invasive exotics (non-noxious) are ranked according to dominance using cover or weight . **Dominant Species on Site** Noxious Weeds 1 ATCO 1 None 2 ELSA Invasive Natives Invasive Exotics 1 BRIE 1 None 2 Bur Buttroup Part 2 (Optional) Dominant Species by Life Form The most cammon species are ranked according to dominance using cover \square or weight \square by life farm. Annual Grasses Annual Forbs 1 SAIB Descuraria punata Dandelian 1 BRTE 2 SIAL Indian Polato 3 ERCI BURY BUTERCUP Perennial Grasses Perennial Forbs 1 Spheralcea Onion 1 ELSA 2 Cryplantha 2 ORHY 3 POSE Shrubs and Trees Succulents 1 Opentia KRLA 1 ARNO TECA Juos 2 _____ 2 ATCO CHNA SAVE 3 CHU18 GUSA Biological Crust (rate by component not species, e.g., lichen, mass, ar algae) 1 Black Crust

Functional/Structural Groups Worksheet

State UT Office O	20_ Ecological Site	Site ID .	T-546
Observer(s) Bates, Hardy			

Functional/Stru	uctural Groups		Species List for Functional/Structural Groups
Name	Polential	Actual ²	Plant Names
A. Grass	Ø	10	
P. Grass	45	39	
A. Grass P. Grass Shrub A. Forb P. Forb	40	39	
A. Forb		4	
P. Forb	315	8	
400 500 600		-	
(////			
Biological Crust ³	gyesa	nt	

Indicate whether each "structural/functional group" is a Dominant (D) (roughly 41-100% composition), a Subdominant (S) (roughly 11-40% composition), a Minor Companent (M) (roughly 3-10% composition), or a Trace Component (T) (<3 % composition) based on weight or cover composition in the area of interest (e.g., "Actual²" column) relative to the "Potential¹" column derived from information found in the ecological site description and/or at the ecological reference area.

Biological Crust³ dominance is evaluated solely on cover not composition by weight.

Cover Worksheet

bserver(s)		Do	ıte		Site	e ID		
			CO	VER CLASS	ES (% Can	ору)		
LIFE FORMS	0	-0-1	2-5	6-15	16-30	31-50	51-75	76-100
- Grass								
Annual			3					
Native Perennial				12				
xotic Perennial	Ø			* 1 * 1 ± 1 = 1 = 1		12.75		2
l - Forb								
Annual				8	1.1.0	19702		
'erennial			4					
II - Shrub				1 1 1 E	20			
V - Tree						- //		
/ - Succulent								
/II-Biological Crust				6				
% GROUND COVER ²	. 0	0.1	2-5	6-15	16-30	31-50	51 <i>-75</i>	76.100
- Vascular Plants				1		50		
I - Standing Dead Vegetation				5				
II - Litter (in contact with the soil surface)				7		- 12 4-1		
V - Biolagical Crust				6		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
V - Rock/Gravel			4					
VI - Bare Ground					28	1774		

Nates: Include source of cover data (e.g., estimates or measurements)

1

¹ Life Forms Cover - Record multiple canopy cover classes; total plant canopy may exceed 100%. Small openings (less than 2" in diameter) are included as cover.

² Ground Cover - Category I is an estimate of total vascular plant cover; overlapping canopies are counted as only one canopy (record life form with first point of contact). Total vascular plant cover (I) together with the sum of cover in Categories II-VI should total to approximately 100%.

Part 2. Indicator Rating

		Dep	arture from Ecologic	Ecological S al Reference	ite Descript Area(s)	tion/
Attribute	Indicators	Extreme	Moderate to Extreme	Moderate	Slight to Maderate	None to Slight.
S,H	1. Rills					X
Comment	5:			From the second	.,,	
S,H	2. Water Flow Potterns			$\square X =$		1000
Comment	s:	127 130000		1		Test and a second
S,H	3. Pedestals and/or Terracettes		-	[-X+]		
	s: Pedestaling in interspaces a	Water	Flow pr	Herns	NO terr	acelles
S,H	4. Bare Ground		1.			
Comment	5:	1		1		The state of the s
S,H	5. Gullies	2 - 1			X	V.
Comment	s: Gullie present but its regulate	d w/ li	He un	sion		,
S	6. Wind-Scoured, Blowouls, and/or Deposition Areas			100000	- X.	1
Comments	s:					7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Н	7. Litter Movement				X	
Comments	: Some moument in waterf	low pa	Herns		·····	'
S,H,B	8. Soil Surface Resistance to Erosion				X	
Comments	: lost some stabilities in the i	wherspa	CES V	nainly	ONESS.	
S,H,B	9. Soil Surface Loss or Degradation	, L			v X	
Comments	s: Some loss in plant interspa	ces				1
Н	10. Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments	: Due to slope the slight plant o	changes	have s	lightly o	fected	infilm
S,H,B	11. Compaction Layer					
Comments):					
В	12. Functional/Structural Groups) in				
Comments	»:					
В	13. Plant Mortality/Decadence					
Comments	;:					
Н,В	14. Litter Amount					
Comments	y:					
В	15. Annual Production					· · · V
Comments						
В	16. Invasive Plants			$\mathbb{I}^{-}\mathbb{X}^{-}$		12 D
Comments				- and a series of the series		***************************************
В	17. Reproductive Capability of Perennial Plants)				
Comments		The second of the second				1
						

Part 3. Summary

A. Indicator Summary

Departure from Ecological Site Description/ Ecological Reference Area(s)

	Rangeland Health Attributes	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight	Σ
S	Soil/Site Stability (Indicators 1-6, 8, 9 &11)				3		9
Н	Hydrologic Function (Indicators 1-5, 7-11 & 14)				5		11
В	Biotic Integrity (Indicators 8-9 & 11-17)	144 E 114			2		9

B. Attribute Summary - Check the category that best fits the "prepanderance of evidence" for each of the three attributes relative to the distribution of indicator ratings in the preceding Indicator Summary table.

Attribute	Moderate Extreme to Extreme Moderate Moderate Slight
Soil/Site Stability Rationale:	
Hydrologic Function Rationale:	
Biotic Integrity Rationale:	

Attribute Rating- Check one in each row

·	23117700440 2101310		
Soil/Site Stability	Not Stable	At Risk————————	Stable
Biotic Integrity	Not Intact	At Risk	Intact ———————————————————————————————————
Watershed Function	Non-Functioning-□	At Risk□	Functioning

Comments on Indicator(s) on other side of this page

Appendix 6

Soils are @ risk due to crosion of soil Movement. Page 2 hivestack use (sheep) seem to be contributing to soil intability.

Biotic integrity is intact but it should be noted that there is a cheat grass understory of given adequate climatic conditions fire poses a threat to this site. Species diversity is great a if anything this site is just inissing some grass in the interspaces.

GRSCO) MJOSO118A

Rangeland Health Evaluation Summary Worksheet

Part 1. Area of Interest Documentation (Bold ite	ems require completion, other information is optional)
State UT Office 020	Management Unit <u>EAST G1a 55Y</u>
Pasture/WatershedID#ID#	6 Major Land Resource Area
Location (description)	F: 332 (30
Legal T ,R ,Sec , 1/4, 1/4	
Size of Evaluation Area	Photo(s) Taken Yes 🚣 No
Observer(s) Satic, Hardy, Heaton, Torre	5 Date 5-1-02
Observer(s) Satic, Hardy, Heaton, Torre Ecological Site Desert Loam (shadical	Soil Map Unit Name
Soil/Site Ve	rification —
Rangeland Ecological Site Description ond/or Soil Survey Surface Texture	Area of Interest Determination Surface Texture
Depth: Very Shallow Shallow Moderate Deep (<10") (10"-20") (20"-40") (>40")	Depth: Very Shallow Shallow Moderate Deep (<10") (10"-20") (20"-40") (>40")
List diagnostic horizons in profile and depth	List diagnostic horizons in profile and depth
13	24
Parent Material Slope / % Elevotion 45	
Avg Annual Precip Recent Weother (last 2	years) Draught X Narmal Wet
Describe wildlife and livestock use and recent disturbed East Grassy Allotment serves as importen	ances very heavy sheep use. The whole tantelope & Raptor Lebitat
Describe offsite influences on orea of interest	

Species Dominance Worksheet

Part 1 (Required)

The most common species, noxious weeds (sto	ate-listed plants), invosive natives, invasive exotics
(non-noxious) are ranked according to domin	nance using cover 🛛 or weight 🗌 .
Dominant Species on Site 1 ATC 6 2 Bur Untercope 3 Cheatgrass	3
Invasive Natives 1 N/A 2	2 Chealgross
Part 2 (Optional) Dominant Species by Life The most common species are ronked accordi	e Form ng to dominance using cover⊠or weight by life form.
Annual Grasses 1 BRTE 2 3	2 HAGL
Perennial Grasses 1 ELEL 2 Indian reagrage 3	2
Shrubs and Trees 1 ATCO 2 ARSP 3 KRLA	2
Biological Crust (rate by component not spect Crust-	_

Cover Worksheet

	Observer(s) Oates, Hardy, Hear	ton, Ta	atres Do	ite <u>5 -</u>	-02	Sit	e ID	-546	
	700			CC	VER CLASS	ES (% Can	ору)		
	LIFE FORMS ¹	0	0-1	2-5	6-15	16-30	31-50	51-75	76-100
	I - Grass								
D -;	Annual & 12				10				
;	Native Perennial 8				6	_			
, •	Exotic Perennial	0	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Mark Market				
	II - Forb								
9 11	Annual 16		1000 Annie 21 2 d : Dec 4042			20			
, , ,	Perennial 8						I SAME		15375. - Forest v
0 :	III - Shrub (6)				12				
	IV - Tree	0	12 1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		da Ak				
	V - Succulent	0							
(D	VI - Biological Crust 4								7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	% GROUND COVER ²	0	0.1	2.5	6.15	16-30	31-50	51 <i>-</i> 75	76-100
X	I - Vascular Plants						49		
i	II - Standing Dead Vegetation			5					
30 D		. ,				30	NAME OF THE PARTY		
	IV - Biolagical Crust			4					
	V - Rock/Gravel	0					7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
3) ···	VI - Bare Ground	V	7 1 10 10 10 10 10 10 10 10 10 10 10 10 1		13		10 (Mar.)		

Notes: Include source of cover data (e.g., estimates or measurements)

¹ Life Farms Caver - Record multiple canopy cover classes; total plant conopy may exceed 100%. Small openings (less than 2" in diameter) are included as cover.

² Ground Cover - Category I is an estimate of total vascular plant cover; overlapping canopies are counted as only one canopy (record life form with first point of contact). Total vascular plant cover (I) together with the sum of cover in Categories II-VI should total to approximately 100%.

Part 2. Indicator Rating

		Departure from Ecological Site Description/ Ecological Reference Area(s)					
Attribute	Indicators	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight.	
S,H	1. Rills					X	
Comment	s:			,			
S,H	2. Water Flow Patterns						
Comment	s:						
S,H	3. Pedestals and/or Terracettes					X	
Comment	s:						
S,H	4. Bare Ground					X	
Comment	5:						
S,H	5. Gullies	No.					
Comment	5:	2007					
<u>s</u>	6. Wind-Scoured, Blowouts, and/or Deposition Areas			1000		/ /	
Comment	s:		- 		r		
Н	7. Litter Movement						
Comment	s:	I will all the same and the same and				11-21-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	
S,H,B	8. Soil Surfoce Resistance to Erosion				X		
Comment	s: Derennice grass 15 missing	to Ful	1 extent	b; Bur	butter c	up groun	
S,H,B	9. Soil Surface Loss or Degradation				<u> </u>	1707	
	s: Historical Streep use Cont	er but two	to Some	10A S	ei /03	.e.	
Н	10. Plant Community Composition and Distribution Relative to Infiltration and Runoff				X		
Comment	s: perennial grasses & Shurts	Are dow	N,				
S,H,B	11. Compaction Layer					W William	
Comment		IASE AS SECURIT		Laterian N. Acceptance		(Is well a very a series of the control of the con	
В	12. Functional/Structural Groups			X			
Comment		5hをりし とく	JAMPSS S	1P; 1	ols inv	45/UC 1/N	
В	13. Plont Mortality/Decadence		L			N.	
Comment	s:	Territories (1971)		Ira vana Larr			
H,B	14. Litter Amount			X			
Comment	: Lots of Cheolograss	1000 1000		1.776			
В	15. Annual Production				<u> </u>	September 1	
Comment		1000	··· () ·		1		
В	16. Invasive Plants						
Comments						Trough State	
В	17. Reproductive Capability of Perennial Plants				1 1 1	X.	
Comments	s: Being heavily hidged at ti	mes bu	sheep.				

5 H B

Part 3. Summary

A. Indicator Summary

Departure from Ecological Site Description/ Ecological Reference Area(s)

	Rangeland Health Attributes	Extreme	Moderate to Extreme	Moderaté	Slight to Moderate	None to Σ
S	Soil/Site Stability (Indicators 1-6, 8, 9 &11)				_3	9
Н	Hydrologic Function (Indicators 1-5, 7-11 & 14)				4	6 11
В	Biotic Integrity (Indicators 8-9 & 11-17)	1201-00	1		3	9

B. Attribute Summary - Check the category that best fits the "prepanderance of evidence" for each of the three attributes relative to the distribution of indicator ratings in the preceding Indicator Summary table.

Attribute	Moderate to Extreme Moderate Moderate Slight
Soil/Site Stability Rationale:	
Hydrologic Function Rationole:	X
Biotic Integrity Rationale:	

Attribute Rating- Check one in each row At Risk-Stable-Not Stable-Soil/Site Stability Intact . Ð At Risk Not Intact -**Biotic Integrity** Functioning Non-Functioning-Watershed Function

USe, Som top soil loss.

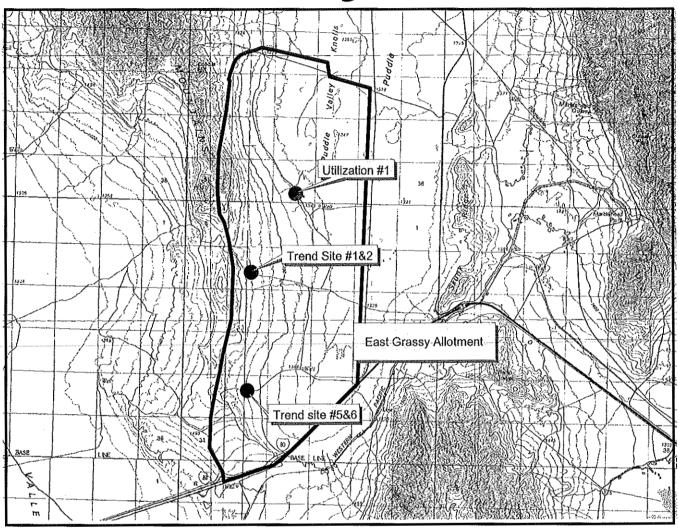
Comments on Indicator(s) on other side of this page

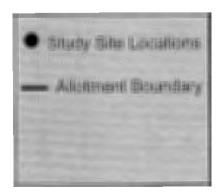
Perenned grasses & shruly; Invasives are abundant

Appendix 6

Page 2

East Grassy Allotment





Bureau of Land Management Salt Lake Field Office 2370 South 2300 West Salt Lake City, UT 84119

This product may not meet BLM standards for accuracy and content. Different data sources and input scales may cause misalignment of data layers.



Figure 1. East Grassy allotment Rangeland Health Assessment Site Locations.

FUNDAMENTALS OF RANGELAND HEALTH

Standards and Guidelines Assessment East Grassy Allotment

Utah Standards for Rangeland Health were assessed by and an interdisciplinary team on 5/01/2002 on the East Grassy (#04025) allotment. The interdisciplinary team (consisting of Rangeland Management Specialists, Wildlife Biologists, and Natural Resource Specialists) utilized the Tooele County Soil Survey (USDA-NRCS 2000), Range Site Descriptions (USDA-SCS 1994), and Interpreting Indicators of Rangeland Health (USDI-BLM et al. 2000). Specific Upland sites were selected based on land ownership, representative range sites, livestock use patterns, and the permittees (figure 1).

PART 1. CONFORMANCE REVIEW

STANDARD#1

<u>Upland soils exhibit permeability and infiltration rates that sustain or improve site productivity, considering the soil type, climate, and landform.</u>

Site Number	Soil	Hydrologic Function
Utilization Site #1	Stable	Functioning
Trend Site #1&2	At Risk	Functioning
Trend Site #5&6	Stable	Functioning

RESOURCE CONDITIONS WITHIN THE ALLOTMENT MEET THE STANDARD? Yes

Rationale:

The Ecological Sites in this allotment included Desert loam (Shadscale) (#122), Desert gravelly loam (Shadscale) (#120), Desert Flat (Shadscale) (#126), Alkali Flat (Greasewood) (#004), Semi-desert stony loam (Black sagebrush) (#252), Semi-desert sandy loam (Wyoming big sagebrush) (#226). There were no signs of gullies, wind scours, or blowouts. Bare ground was considered adequate for site potential and litter was found to be in place. No sign of compaction was observed. Flow patterns matched that expected for the sites studied. There were no active pedestals or deposition areas. The vegetation on the site is adequate to protect the site from erosion. These factors indicate that the existing soil resource is stable and functioning hydrologically.

STANDARD#2

Riparian and wetland areas are in properly functioning condition. Stream channel morphology and functions are appropriate to soil type, climate and landform.

Stream/Spring	PFC Rating
No Riparian Areas on allotment	N/A

RESOURCE CONDITIONS WITHIN THE ALLOTMENT MEET THE STANDARD? N/A

Rationale:

There are no riparian areas on the East Grassy Allotment. Standard #2

does not apply.

STANDARD#3

Desired species, including native, threatened, endangered, and specialstatus species, are maintained at a level appropriate for the site and species involved.

Site Number	Species Diversity
Trend Site #1&2	Intact
Trend Site #5&6	Not Intact
Utilization #1	At Risk

RESOURCE CONDITIONS WITHIN THE ALLOTMENT MEET THE STANDARD? No

Rationale:

A portion of the allotment nearly matches the Range site descriptions, biotic diversity is for the most part "Intact." All native plant species are present and in abundance on all sites studied and the condition of the allotment was considered to be improving. The Rangeland health assessment team determined that Trend Site #1&2 is "At Risk" due to the exotic nonnative forb Halogeton (*Halogeton glomeratus*). Halogeton is currently a minor component of this site, but could become dominant if some disturbance were to happen. The Biotic Diversity for Site #3 was determined to be "Not intact." The Site is an Alkali Flat (Greasewood); major components of this ecological site are missing. The team concluded that it was along the Hastings Cutoff and could have been due to historic grazing practices.

STANDARD#4

BLM will apply and comply with water quality standards established by the State of Utah (R.317-2) and the Federal Clean Water and Safe Drinking Water Acts. Activities on BLM lands will fully support the designated beneficial uses described in the Utah Water Quality Standards

(R.317-2) for surface and groundwater.

RESOURCE CONDITIONS WITHIN THE ALLOTMENT MEET THE STANDARD? Yes

Rationale:

The allotment is not located near a water body, water source, or wetland.

PART 2. ARE LIVESTOCK A CONTRIBUTING FACTOR TO NOT MEETING THE STANDARDS?

Standard #1

No. The East Grassy allotment is currently meeting the standard for Soil Stability and Hydrologic Function.

Standard #2

No. This standard does not apply to the East Grassy allotment.

Standard #3

No. The East Grassy allotment is not currently meeting the standard for Biotic Diversity.

The Rangeland Health Assessment team found that Trend Site #1&2 was "At Risk" to invasive nonnative annual forbs. The Biotic Integrity of this site was determined to be "At Risk" because of the presence of Halogeton throughout the site. Halogeton is currently a minor component, although some disturbance or chain of disturbances on this site may allow Halogeton to dominate this site. It was determined that the current livestock use on this site is not contributing to the Halogeton problem.

The assessment team determined that Site #3 is "Not Intact" due to large Halogeton flats that have had some historical disturbance. The team could not identify the cause of the disturbance. This site is located along the Hastings Cutoff trail, an important migration route for early settlers to the west. Perennial grasses are almost completely absent and the shrub component is significantly reduced. It was determined that the current livestock management is not contributing to the Biotic diversity situation.

The current management on the East Grassy allotment will be according to the East Grassy Allotment Management Plan.

Standard #4

No. This standard does not apply to the East Grassy allotment.

PART 3. GUIDELINES FOR GRAZING MANAGEMENT TO IMPLEMENT

The East Grassy Allotment is currently meeting the standards in all Rangeland Health assessments except the Biotic Diversity standard on Site #3. Site #3 was determined to be "Not Intact" due to historic disturbance and the over abundance of Halogeton (Halogeton glomeratus). It was determined that the "Not Intact" condition of Site #3 was not due to current livestock grazing practices. Grazing management practices will be implemented that: maintain sufficient residual vegetation and litter to protect the soil from wind and water erosion and support ecological function; encourage innovation and alternatives to improve rangeland management practices; give priority to rangeland improvement projects and land treatments that offer the best opportunity for achieving the Standards. When manipulations are necessary, best management practices will be utilized; on rangelands where a standard is not being met and conditions are moving toward meeting the standard, grazing may be allowed to continue.

I concur:		
Cindy Ledbetter	Rangeland Mannt Spec.	02/25/01 Date
Mulu Had Mike Gates	Lead Rangeland Ngott Spell.	2/25/04 Date
Randy Swilling	Wildlife Golgist Title	2/25/04 Date

I also concur:

Glenn A. Carpenter

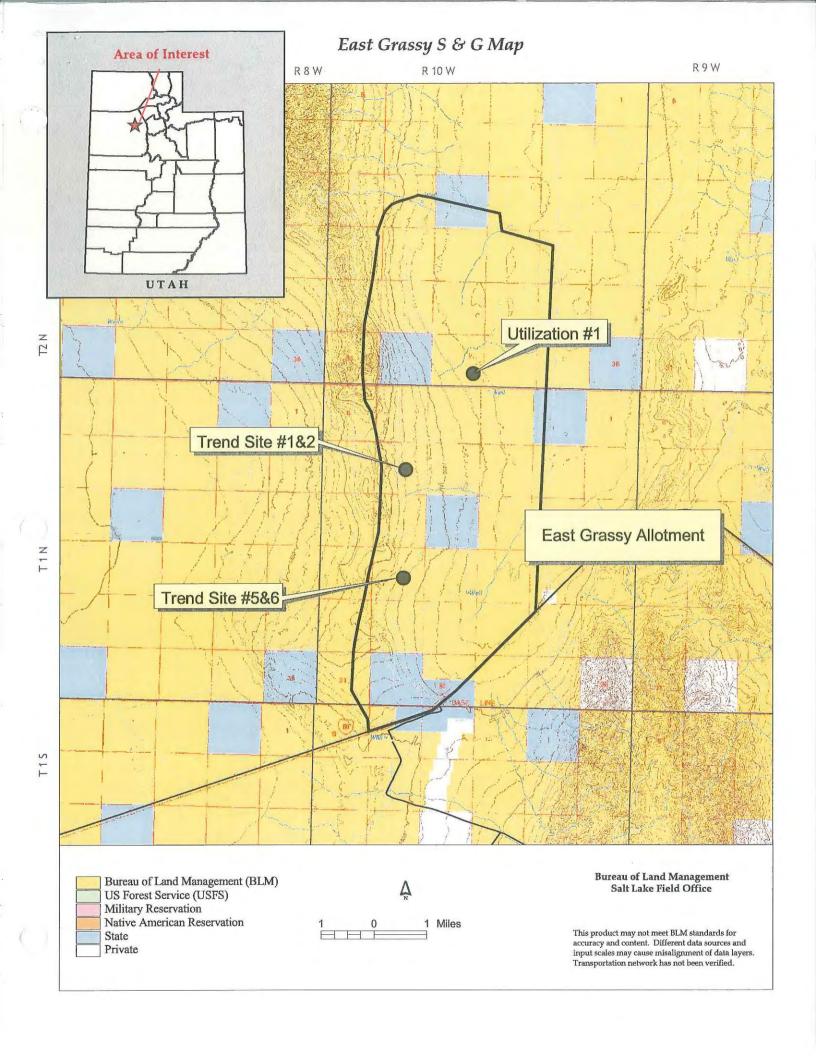
Salt Lake Field Office Manager

REFERENCES

USDA-NRCS. 1997. Soil Survey of Tooele Area, Utah. US Government Printing Office:

USDA-SCS. 1994. <u>Range Site Descriptions</u> (059). Section II-E. Soil Conservation Service. USDI-BLM. 2000. <u>Rangeland Health Assessment Worksheets</u>. Salt Lake Field Office. Unpublished field data.

Utah-DEQ. 2000. <u>Utah's 303(d) List of Impaired Waters</u>. Utah Department of Environmental Quality. Salt Lake City, Utah.



U-1 willization cage

Rangeland Health Evaluation Summary Worksheet

Part 1. Area of Interest Documentation (Bold ite	
State Office	Management Unit Gast Glassy
Pasture/Watershed ID#	(
Location (description)	
Legal T2N,R 10W,Sec20, NE 1/4, 1/4	or Lat, Long or UTM Coord
Size of Evaluation Area	Photo(s) Taken Yes No
Observer(s) Contes, Hardy Headon Torres	
Ecological Site Jesent John (Shadrade)	Soil Map Unit Name 69
	rification ————————————————————————————————————
Rangeland Ecological Site Description and/or Soil Survey Surface Texture	Area of Interest Determination Surface Texture
Depth: Very Shallow Shallow Moderate Deep (<10") (10"-20") (20"-40") (>40") List diagnostic horizons in profile and depth 1	Depth: Very Shallow Shallow Maderate Deep (<10") (10"-20") (20"-40") (>40") List diagnostic horizons in profile and depth 1
Parent Material Slope 4 % Elevation 4	50 ft Topographic Position Aspect £
Avg Annual Precip Recent Weather (last 2	years) Drought X Normal Wet
Describe wildlife and livestock use and recent disturbed trailing. Lot of Antelope in area	ances Livestock use lots of sheep
Describe offsite influences on area of interest V	Vell next to site of that's where

Species Dominance Worksheet

The most common species, noxious weeds (state-listed plants), invasive natives, invasive exotics -

Part 1 (Required)

(non-noxiaus) are ranked according to damin	nance using cover or weight .
Dominant Species on Site	Noxious Weeds
1 Ato	
2 Bote	2
3 Burrhatter cup	
4	-
Invasive Natives	Invasive Exotics
1 Non	1 BHC
2	
3	3 Hagi
Part 2 (Optional) Dominant Species by Life The most common species are ranked accardi Annual Grasses 1 Bitt 2 3 Perennial Grasses 1 Sihv Salina Wild fyf 2 Ochu 3 1658	Annual Forbs 1 Burchuffer Cup 2 Hand 3 Sign Perennial Forbs 1 \$\frac{\fracc}\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fracc
3 11/21	.)
Shrubs and Trees	Succulents
1 AGD Chri Arno	1 Opantia
2 Atco Teto Krla	2
3 Gusa Juos Epne	3
Biological Crust (rate by component not special Stack Clust	

Functional/Structural Groups Worksheet

State	Office 020	Ecological Site	Peselt lown Sharsing	PD U-1
Observer(s)	ates, Hardy, Hea	iton, torres	Date 04/30/02	

Functional/Structural Groups			Species List for Functional/Structural Groups			
Name	Potential ¹	Actual ²	Plant Names			
Annual Gross		8				
Perennial Grass	45	20				
Shrubs	40	67				
Annual Forb 7	15	5				
Perennial Forb		1				
600						
400						
Biological Crust ³	Prese	nt				

Indicate whether each "structural/functional group" is a Dominant (D) (roughly 41-100% composition), a Subdominant (S) (roughly 11-40% composition), a Minor Component (M) (roughly 3-10% composition), or a Trace Component (T) (<3 % composition) based on weight or cover composition in the area of interest (e.g., "Actual²" column) relative to the "Potential¹" calumn derived fram information found in the ecological site description and/or at the ecalogical reference area.

Biological Crust³ dominance is evaluated solely on cover not composition by weight.

Cover Worksheet

	Office	Ecological Site 124
Observer(s) Gates Ho	aidy Healon Tolles Dat	re 04/30/2002 Site ID 4-1

	COVER CLASSES (% Canopy)							
LIFE FORMS		0-1	2-5	6-15	16-30	31-50	51-75	76-100
1 - Grass								
Annual			5	7				
Native Perennial				7:				
Exotic Perennial	0			*\ '===				
II = Forb								
Annual			naminajajasania	-	19			
Perennial	1	17			1			
III.=Shrob					21	100		
IV - Tree	1							
V - Succulent				1-40-6		194		
VI - Biological Crust				15		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
% GROUND COVER ²	0	0-1	2-5	6-15	16-30	31-50	51-75	76-10
I - Vascular Plants		Hara E				6. 37	51	
II - Standing Dead Vegetation			L			90		
III - Litter (in contact with the soil surface)			L			1-1-11-1		
IV - Biological Crust			1	15 -				
V - Rock/Gravel			1	10				
VI - Bare Ground				1 10	1/0			

¹ Life Forms Cover - Record multiple canopy cover classes; total plant canopy may exceed 100%. Small openings (less than 2" in diameter) are included as cover.

Notes: Include source of cover data (e.g., estimates or measurements)

² Ground Cover - Category I is an estimate af total vascular plant cover; overlapping canopies are counted as only one canopy (record life form with first point of contact). Total vascular plant cover (I) together with the sum of cover in Categories II-VI should total to approximately 100%.

Part 2. Indicator Rating

		Departure from Ecological Site Description/ Ecological Reference Area(s)					
Attribute	Indicators	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight	
S,H	1. Rills						
Comment	rs:				-		
S,H	2. Water Flow Patterns				X		
Comment	rs:			- Long Control of Control	1		
S,H	3. Pedestals and/or Terrocettes						
Comment	rs:					Jan is and a second	
S,H	4. Bare Ground				X		
	s: Sheep trailing & lacking ara-	5/5		Property of the Control of the Contr		P. (1000) (1000) (1000) (1000) (1000) (1000)	
S,H	5. Gullies				X	1200	
Comment	s: Coming off roads				,		
S	6. Wind-Scoured, Blowouts, and/or Deposition Areas					A CONTRACTOR	
Comment	s:						
Н	7. Litter Movement						
Comment	rs:			1000		***************************************	
S,H,B	8. Soil Surface Resistance to Erosion						
Comment	s: Trailing						
S,H,B	9. Soil Surface Loss or Degradation				X		
Comment	s: Trailing						
Н	10. Plant Community Composition and Distribution Relative to Infiltration and Runoff						
Comment	s: Lock of Perennial Grasss	Transco Vice of the second for death of		The second section of the second seco		The second second	
S,H,B	11. Compaction Layer						
Comment	s;						
В	12. Functional/Structural Groups				X		
Comment	s: Reduced Grasses						
В	13. Plant Mortality/Decadence						
Comment	s:						
Н,В	14. Litter Amount				X		
Camment	s: Don't have ovass litter Less	5.					
В	15. Annual Production						
Comment	s:						
В	16. Invasive Plants			$=\chi$			
Comment							
В	17. Reproductive Capability of Perennial Plants						
Comment				The state of the s			

Part 3. Summary

A. Indicator Summary

Departure from Ecological Site Description/ Ecological Reference Area(s)

	Rangeland Health Attributes	Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight	Σ
S	Soil/Site Stability (Indicators 1-6, 8, 9 & 11)				4		9
Н	Hydrologic Function (Indicators 1-5, 7-11 & 14)				5		11
В	Biotic Integrity (Indicators 8-9 & 11-17)			<u>. 163, ed</u> e t	3		9

B. Attribute Summary - Check the category that best fits the "preponderance of evidence" for each of the three attributes relative to the distribution of indicator ratings in the preceding Indicator Summary table.

Attribute	Moderate Extreme to Extreme Moderate Moderate Slight
Soil/Site Stability Rationale:	
Hydrologic Function Rationale:	
Biotic Integrity Rationale:	

Comments on Indicator(s) on other side of this page

Appendix 6 Soil-Sheep trailing & water flowing but have good plant communities to stablize soil.

Hydrologic-Sheep trails by road a affect Whit insiltration but

Biotic - Should have more perennial grass. Have two much Bried burrbutter cup, One Juniper on site but more on hillside.



















