

Project Summary Sheet – Year 2004

Project Name SGS-LTER Monitoring Project - Veg on Small Mammal Webs

Project Number 118-3

Principal Investigator(s) Paul Stap

Dates of Data Collection 7/15/04 - 7/20/04

Plot Names / Specific Location of study area(s) 25NE

27NE, 26NW, 24NE, 13NW, 13SW,

Full Names of Data Collectors Amanah Anderson, Seth Ratering, Jason Stevens,
Kevin Dudley, Sarah Cair, Becky Greenwood, S. McKee

Names of Associated Files and Databases Ascalon/LTER/projects/data entry/
ALS#118-VegWeb-Data/ALS#118-VegWeb-2004-separated data
x15

Summary of Data Collected (How are data sheets organized? How many pages are in each section? etc.)

27NE - 9 pages

13NW - 10 pages

26NW - 9 pages

13SW - 11 pages

25NE - 9 pages

24NE - 8 pages

Questions and Concerns

- ① I've done some re-organization of these data to separate out cover data from "landscape structure & canopy" data. This will help facilitate data analysis. (1999-2004 re-organized)
- ② * Note I don't have 1998 data.

Date copies of data sheets were sent to PI(s) 1/26/05

Date copies of data sheets were sent to SGS-LTER office 9/04

Names of any other persons given copies of data sheets Mark Hindqvist

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 7-15-04

Surveyed / Recorded by SMUNSON / S RATERING / KD/DLE / JSBANK

[illegible]

Date Surveyed 7-15-04

Surveyed / Recorded by S. Raftering, K. Dudley

[illegible]

Date Surveyed 7-15-64

Surveyed / Recorded by S. MUNICH / C. REITERING / S. STEUEN / K. DOLLEY

[illegible]

Date Surveyed 7-15-04

Surveyed / Recorded by KD, JS, SR, S/H

[illegible]

Date Surveyed 7-15-04

Surveyed / Recorded by SM, KO, SR, JS

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7-15-04Surveyed / Recorded by SR/SN/KO/JS

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds w/ in 3m ant gopher	# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)				
						grass	forb	shrub	1m small	3m ATCA			ant	gopher	ATCA	ant mound	gopher mound	L	W	H	L	W	L
04	27	3	10	SPGR	10	10	3	20	1	0	0	0	0	/	113	720	/	/	/	180	160	/	/
				SPCO	10																		
				BOGR	15																		
				CARE	5																		
				SPCO	1																		
				HRAR	10																		
				BARE	15																		
				LITT	39																		
04	26	1	1	BOGR	30	10	6	17	1	0	0	0	1	/	3.2	1.0	/	/	/	50	50	160	80
				CAHI	5																		
				SPCO	1																		
				BARE	20																		
				LITT	44	16	8	10	2	0	0	1	5	/	6.1	1.6	/	/	/	120	120	60	70
04	26	1	2	EREF	10	1																	
				BOGR	10																		
				EUGL	1																		
				BARE	67																		
				LITT	15																		
04	26	1	3	GUSA	15	5	4	11	1	0	0	0	0	/	8.7	7.9	/	/	/	120	120	60	60
				BOGR	30																		



on new sheet

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/15/04Surveyed / Recorded by SR/SM/KO/JS

Year	Web	Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ant	gopher	ATCA	ant	gopher	L	W	H	L	W
		1	3(cont.)	CAHE	5																		
				BARE	15																		
				LITT	35																		
04	26	1	4	BOGR	20	4	6	13	1	/	0	0	0	/	8.3	9.0	/	/	/	100	110	100	60
				THTR	5																		
				CAHE	5																		
				BARE	40																		
				LITT	30																		
04	26	1	5	SPCO	5	8	4	11	2	/	0	1	2	/	8.6	2.5	/	/	/	100	150	120	90
				BOGR	20																		
				CAHE	10																		
				BARE	10																		
				LITT	65																		
			6	BOGR	45	5	5	10	0	/	1	0	0	/	2.2	8.0	/	/	/	150	150	90	210
				SPCO	1																		
				CAHE	1																		
				AGSM	1																		
				BARE	42																		
				LITT	10																		
04	26	1	7	BOGR	50	4	3	9	2	0	0	0	0	0	11.2	5.0	/	/	/	150	150	90	210



SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/15/04Surveyed / Recorded by SR/SM/KO/JS

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ATCA	ant	gopher	L	W	H	Ant L	gopher W	L	W
		1	7(lost)	BARE	20																		
				LITT	70																		
04	26	1	8	BOGR	30	10	5	10	1	/	0	1	3	/	4.4	1.1	/	/	/	30	90	100	140
				SPCO	5																		
				CAHE	5																		
				AGSM	1																		
				BARE	44																		
				LITT	25																		
04	26	1	9	BOGR	25	5	2	17	1	/	0	1	2	/	5.2	2.0	/	/	/	30	190	80	10
				AGSM	1																		
				SPCO	1																		
				SPCR	5																		
				BARE	20																		
				LITT	40																		
				CAHE	10																		
04	26	1	10	BOGR	25	8	6	15	0	/	0	0	0	/	3.7	5.0	/	/	/	110	110	120	140
				OPPO	10																		
				CAHE	5																		
				STCO	10																		
				BARE	20																		

LITT 30

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SGS-LTER Monitoring Project Vegetation on Small Mammal Webs

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 15 July 2004Surveyed / Recorded by A. Anderson

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds w/ in 3m		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	ant	gopher		ATCA	ant	gopher	ATCA	ant	gopher	L	W	H	L
2004	26	3	1	EREF	5	7	3	4	2	0	0	0	0	0	10.7	8	0	0	0	120	110	130	110
				CAHE	5																		
				BOGR	10																		
				OPPO	5																		
				BARE	10																		
				LITT	65																		
		3	2	SPCO	5	9	4	9	2	0	0	4	0	0	4.9	1.4	0	0	0	90	110	80	90
				BOGR	10																		
				CAHE	5																		
				BARE	20																		
				LITT	65																		
		3	3	SPCO	5	6	5	12	2	0	0	2	0	0	7.5	3.1	0	0	0	180	120	220	110
				BOGR	30																		
				BARE	10																		
				LITT	55																		
		3	4	BOGR	40	4	4	4	1	0	0	3	0	0	4.9	0.6	0	0	0	180	120	150	90
				BARE	10																		
				LITT	50																		
		3	5	EREF	5	12	9	3	2	0	1	0	0	0	5.7	0	0	0	130	120	20	50	
				BOGR	10																		

SPCR	5
BARE	40
LITT	45

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/15/04Surveyed / Recorded by SR/SM/JS

Year	Web	Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ATCA	mound	gopher mound	L	W	H	Ant L	W	L	gopher W
04	26	3	6	BOGR	25	7	6	11	0	/	0	0	0	/	720	10.2	/	/	/	/	/	40	60
				MATA	5																		
				BUDA	10																		
				BARE	40																		
				LITT	20																		
04	26	3	7	BOGR	25	9	6	20	2	/	0	0	1	/	720	6.9	/	/	/	/	/	20	50
				CAHE	5																		
				BUDA	30																		
				BARE	20																		
				LITT	20																		
04	26	3	8	BOGR	35	8	8	14	2	/	0	0	0	/	20.0	12.7	/	/	/	160	160	80	60
				CAHE	10																		
				SPCO	1																		
				BARE	14																		
				LITT	40																		
04	26	3	9	BOGR	15	5	5	14	1	/	0	0	0	/	720	5.9	/	/	/	/	/	160	240
				THTR	1																		
				BARE	44																		
				LITT	50																		
04	26	3	10	BOGR	15	4	4	13	1	/	0	0	0	/	720	4.0	/	/	/	/	/	160	240



SGS-LTER Monitoring Project Vegetation on Small Mammal Webs

Date Surveyed

7/15/04

Surveyed / Recorded by

SR/SM/JS

[illegible]

Date Surveyed 7-15-64

Surveyed / Recorded by SR, SM/JS

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7-15-04Surveyed / Recorded by SR, SM/LS

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ATCA	ant	gopher	L	W	H	Ant L	W	gopher L	W
04	25	1	5	BUDA	65	4	4	11	0	0	0	0	0	720	720	720							
				SPCO	5																		
				CAHE	5																		
				BOGR	5																		
				LITT	20																		
		1	6	CAHE	20	7	6	12	0	0	0	0	0	720	720	720							
				BUDA	40																		
				SPCO	1																		
				OPPO	1																		
				BOGR	25																		
				LITT	13																		
		1	7	BUDA	40	4	6	10	0	0	0	0	0	720	720	720							
				CAHE	25																		
				TADA	2																		
				BOGR	15																		
				LITT	18																		
		1	8	BOGR	50	5	7	15	0	0	0	0	0	720	720	720							
				BUDA	5																		
				BARE	5																		
				LITT	40																		

Date Surveyed 7-15-04

Surveyed / Recorded by SR, SM / LS

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7-15-04Surveyed / Recorded by Seth R. Seth M. Stevens

Year	Web	Transect		Point	Species	% Cover	(cm) height			# shrubs w/in		# mounds w/ in 3m		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
		(1-3)	(1-10)				grass	forb	shrub	1m small	3m ATCA	ant	gopher		ant	gopher	ATCA mound	gopher mound	L	W	H	L	W	L
04	25	3	6	BOLD	10	4	5	12	0	0	0	0	0	720	720	720								
				LAKE	15																			
				BARE	15																			
				LITT	60																			
		3	7	BUDA	10	6	4	11	1	0	0	0	0	720	720	720								
				BOGR	40																			
				SDIO	1																			
				OPPO	5																			
				ARLO	5																			
				LAKE	5																			
				LITT	34																			
		3	8	ASOX	5	3	4	12	0	0	0	0	0	720	720	720								
				BUDA	60																			
				LAKE	5																			
				LITT	25																			
				BOGR	5																			
		3	9	BOLD	15	3	5	7	0	0	0	0	0	720	720	720								
				ELVI	5																			
				BUDA	20																			
				LAKE	1																			

SDIO -1

BARE -10

LITT -47

ASOX -1

Date Surveyed 7-15-04

Surveyed / Recorded by S Ratering S Munson / J Stevens

[illegible]

Date Surveyed 15 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 15 July 2004Surveyed / Recorded by A. Anderson

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ATCA	ant mound	gopher mound	L	W	H	L	W	L	gopher W
2004	13NW	1	5	EREF	10	4	7	5	0	4	0	0	0	0.2	20	720	6	12	11	140	120	/	/
				BOGR	20																		
				CAHE	5																		
				LITT	65																		
		1	6	SAIB	5	8	8	7	5	4	0	0	0	1.0	720	720	40	25	24	/	/	/	/
				BOGR	15																		
				SPCO	5																		
				LITT	60																		
				BARE	15																		
		1	7	SAIB	5	4	5	4	5	5	0	0	0	0.2	11.0	720	24	13	20	100	120	/	/
				EREF	5																		
				BOGR	25																		
				LITT	65																		
		1	8	CHLE	5	8	6	5	3	4	0	1	0	0.2	12.5	16.0	25	30	29	140	120	50	40
				BOGR	40																		
				SAIB	5																		
				EREF	5																		
				BARE	5																		
				LITT	40																		

Bo

Date Surveyed 15 July 2001

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 7/15/04

Surveyed / Recorded by SR/SM/JS

[illegible]

Date Surveyed 7/15/04

Surveyed / Recorded by SR/SM/JS

[illegible]

Date Surveyed 7/15/04

Surveyed / Recorded by SR/SM/JS

[illegible]

Date Surveyed 16 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 16 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Date Surveyed 07/16/01

Surveyed / Recorded by SMR, SMM, SC

[illegible]

Date Surveyed 07/16/04

Surveyed / Recorded by SMR, SMM, SC

[illegible]

Date Surveyed 7-20-04

Surveyed / Recorded by J Stevens, K Dudley

[illegible]

B6

Date Surveyed 7-20-04

Surveyed / Recorded by J. Stearns, K. Dudley

[illegible]

B6

Date Surveyed 7-20-04

Surveyed / Recorded by J. Stevens, C. Dudley

[illegible]

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SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 20 July 2004Surveyed / Recorded by A. Anderson

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ant	gopher	ant	gopher	ATCA	mound	mound	L	W	H
2004	135W	2	1	ARLO	5	9	9	4	1	5	0	0	1	1.5	3.3	7	28	22	15	120	130	110	210
				CHLE	5																		
				EREF	5																		
				BOGR	5																		
				BARE	10																		
				LITT	70																		
		2	2	ARLO	40	5	2.5	13	1	7	0	1	0	2.5	6.4	2.3	100	90	33	90	100	100	100
				SAIB	5																		
				SPCO	5																		
				BOGR	5																		
				BARE	10																		
				LITT	45																		
		2	3	BOGR	10	4.5	3	23	2	5	0	0	0	1.5	5.4	3.4	25	12	22	90	80	80	100
				SPCO	5																		
				STCO	5																		
				LEDE	5																		
				BARE	10																		
				LITT	60																		
				OPPO	5																		

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SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 20 July 2004Surveyed / Recorded by A. Anderson

Year	Web	Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ant	gopher	ant	gopher	ATCA mound	L	W	H	L	W
2004	135W	2	4	SAIB	5	8	4	5	3	7	0	0	0	1.0	4.9	3.9	40	30	24	200	150	45	60
				STCO	5																		
				SPCO	5																		
				BOGR	5																		
				BAKE	5																		
				LITT	75																		
		2	5	BOGR	5	2	5	6	7	2	0	1	0	0.2	3.3	0.2	105	97	41	120	350	64	50
				AGSM	5																		
				SAIB	5																		
				ARFR	5																		
				SPCO	5																		
				LITT	75																		
		2	6	SAIB	5	6.5	5	5	6	3	0	0	0	1.5	13.3	>20	61	60	45	130	140	-	-
				SPCR	5																		
				BOGR	10																		
				EREF	5																		
				ARLO	15																		
				LITT	65																		
				BAKE	5																		

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SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 20 July 2004Surveyed / Recorded by A. Anderson

Year	Web	Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in 1m 3m		# mounds w/ in 3m		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	small	ATCA	ant	gopher		ATCA	ant	gopher	L	W	H	L	W	L	W
2004	BSW	2	7	SAIB	15	5	11	15	3	5	1	1	0	0	2.7	1.0	63	67	36	190	240	30	60
				CHLE	5																		
				BOGR	5																		
				SPCO	5																		
				CAHE	5																		
				LITT	5																		
				BARE	60																		
		2	8	SAIB	5	18	20	13	4	6	0	0	0	1.0	7.6	720	66	72	58	150	150	/	/
				BOGR	10																		
				EREF	5																		
				SPCO	5																		
				LITT	75																		
		2	9	EREF	25	18	20	20	11	7	0	2	0	0	4.0	2.0	84	72	71	150	150	40	37
				SAIB	5																		
				AGSM	10																		
				BOGR	5																		
				LITT	50																		
				SPCO	5																		

BGS

Date Surveyed 20 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

Be

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7-20-02Surveyed / Recorded by J. Stevens, K. Dudley

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ant	gopher	ATCA	ant	gopher	L	W	H	L	W
2004	13SU	3	1	CVILLOSA	5	11	5	25	0	0	0	0	0	12.2	10.6	>20	100	82	63	80	170		
				ARFR	3																		
				EUGL	5																		
				LITT	87																		
		3	2	SPCR	5	12	8	27	12	0	0	0	0	13	3.9	>20	67	71	31	80	170		
				SAIB	5																		
				EUGL	5																		
				LITT	60																		
				BAPE	25																		
		3	3	SAIB	5	5	7	36	0	0	0	0	0	4.3	13.0	>20	67	71	31	80	170		
				BAPE	30																		
				LITT	64																		
				EUGL	1																		
		3	4	SPCR	1	6	12	17	3	0	0	0	4	3.2	6.0	>20	100	120	95	100	100		
				SAIB	5																		
				LEDE	1																		
				BOFR	30																		
				BAPE	30																		
				LITT	33																		

B6

Date Surveyed 7-20-04

Surveyed / Recorded by J. Starns, K. Dudley

[illegible]

BC

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 20 July 2004Surveyed / Recorded by A. Anderson

Year	Web	Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ant	gopher	ATCA mound	L	W	H	L	W	L	W
2004	13SW	3	6	ARLO	10	19	5	14	1	3	0	0	0	0.5	5.2	7.2	8	4	16	90	90	1	1
				SPCR	5																		
				BOGR	5																		
				LITT	80																		
		3	7	BOGR	10	11	4	11	1	7	0	0	0	1.0	3.3	5.8	95	74	56	130	120	30	20
				SPCO	5																		
				BARE	20																		
				LITT	65																		
		3	8	SAIB	5	12	5	9	0	6	0	0	0	1.5	7.3	7.2	92	82	70	130	140	50	20
				SPCO	5																		
				BOGR	20																		
				CHLE	5																		
				LITT	65																		
		3	9	CHLE	5	12	5	13	2	11	0	0	0	2.5	4.5	3.5	57	39	43	100	200	50	45
				EREF	10																		
				SAIB	5																		
				ARLO	5																		
				LITT	75																		

B6

Date Surveyed 20 July 2004

Surveyed / Recorded by A. Anderson

[illegible]

BC

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 07/20/04Surveyed / Recorded by S. Katerberg, K. Dudley, S. McKee

Year	Web	Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds w/ in 3m		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	ant	gopher		ant	gopher	ant	L	W	H	Ant L	gopher W	Ant L	gopher W
04	ZYNE	1	1	BOGR	40	3	9	12	0	6	0	0	0	1.2	3.7	3.1	66	46	51	100	100	90	60
				LITT	15																		
				BARE	45																		
			2	BOGR	25	7	13	21	6	13	0	0	0	2.4	7.9	4.8	65	78	64	160	170	160	160
				OPPO	5																		
				LITT	70																		
			3	SPCO	5	7	6	7	1	14	0	0	0	0.0	9.7	7.9	44	13	16	160	170	60	93
				BOGR	15																		
				SAIB	1																		
				ATCA	25																		
				LITT	55																		
			4	ERET	30	5	6	5	2	20	1	0	0	1.0	2.3	7.0	100	100	72	150	133	84	50
				ARFR	1																		
				BOGR	30																		
				SPCO	5																		
				LITT	35																		
			5	OPPO	5	12	5	21	9	7	0	0	2	0.7	6.8	5.0	100	120	77	160	150	170	100
				SPCO	5																		
				BOGR	20																		
				LYJU	5																		

LITT 10
 BARE 55

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/20/04Surveyed / Recorded by S. Rothering, K. Dudley, S. M. Keel

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds w/ in 3m		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	ant	gopher		ATCA	ant	gopher	L	W	H	Ant L	W	gopher L	W
04	Z4NE	1	6	BOGR	25	5	11	14	3	9	0	1	2	0.7	6.5	3.6	87	100	59	126	100	270	150
				CANE	10																		
				LITT	20																		
				BARE	45																		
			7	BOGR	25	10	6	14	2	16	0	1	3	1.1	3.3	2.4	81	84	77	140	160	170	170
				SPCO	5																		
				OPPO	5																		
				LITT	15																		
				BARE	50																		
			8	BOGR	50	7	6	20	6	10	0	0	0	0.4	8.6	6.7	120	100	87	150	120	85	74
				SPCR	5																		
				SAIB	5																		
				BARE	10																		
				LITT	30																		
			9	BOGR	40	4	12	17	4	20	0	0	0	0.6	6.8	3.5	72	61	50	100	100	70	70
				BARE	5																		
				LITT	55																		
			10	SPCO	5	7	4	15	2	5	0	1	0	1.5	7.2	1.0	51	46	41	130	160	60	60
				BOGR	50																		
				BARE	10																		

LITT 35

B6

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7-20-04Surveyed / Recorded by B. Enckmoot, S. Cain

Year	Web	Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ant	gopher mound	ATCA	ant	gopher mound	L	W	H	L	W
04	24	2	1	SPCO	5	11	9	20	6	5	0	3	0	0	9.4	1m	60	25	31	2.1	2.6	69	34
				EREF	10																		
				BOGR	30																		
				BARE	5																		
				LITT	50																		
			2	BOGR	5	21	9	14	3	10	0	2	2	0.2	220	1m	49	32	54			210	170
				SAIB	5																		
				OPPO	5																		
				BARE	85																		
			3	BOGR	5	19	17	16	3	4	0	1	1	0.7	7m	0.3	97	27	62	120	200	51	30
				SAIB	5																		
				SPCO	5																		
				LITT	75																		
				BARE	10																		
			4	AGSM	10	15	8	10	3	3	0	0	0	2.5	13	220	37	23	40	120	200	—	—
				BOGR	5																		
				BARE	10																		
				LITT	75																		

B6

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7-20-04Surveyed / Recorded by B. Greenwood, S. Cain

Year	Web	Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ATCA	ant	gopher	ATCA	mound	mound	L	W	H	L
2004	24	2	5	AGSM	5	17	7	3	3	5	1	1	0	0	5.5	3.2	47	38	50	120	70	73	48
				CHOW	5																		
				BDGR	5																		
				LITT	5																		
				BARE	80																		
		2	6	SPCO	5	9	9	7	1	5	0	0	2	2.0	15.3	3.1	120	61	70	83	41	37	41
				CHOW	5																		
				BDGR	10																		
				AGSM	5																		
				BARE	5																		
				LITT	70																		
		2	7	SAIB	5	20	19	7	3	7	0	0	1	0	11.3	2.9	60	49	37	79	69	40	85
				APFR	5																		
				BDGR	10																		
				CHOW	5																		
				BARE	10																		
				LITT	65																		

B6

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7-20-04Surveyed / Recorded by E. Greenwood, S. Cain

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	w/ in 3m ant	gopher		ant	gopher	ATCA	ant mound	gopher mound	L	W	H	L	W
	24	2	8	AGSM	5	16	16	12	6	6	0	0	0	0.4	5.9	4.7	63	52	35	79	69	36	25
				NATA	10																		
				SAIB	5																		
				BARE	5																		
				LITT	75																		
	24	2	9	BOGE	20	12	15	4	2	4	0	1	0	0	4.5	1.0	90	70	90	80	117	110	54
				SPRO	5																		
				ARFK	5																		
				BARE	5																		
				LITT	65																		
			10	SAIB	5	9	7	16	1	3	0	0	1	2.0	6.0	1m	40	31	57	130	111	27	15
				BOGE	10																		
				NATA	5																		
				BARE	10																		
				LITT	70																		

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/20/04Surveyed / Recorded by S. Ratering, K. Dudley, S. Mikee

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds w/ in 3m		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	ant	gopher		ATCA	ant mound	gopher mound	L	W	H	L	Ant	W	L
04	24ND	3	1	ASOX	1	9	6	13	22	7	0	0	0	1.5	4.6	5.0	150	100	90	110	130	185	120
				BOGR	60																		
				SAIB	1																		
				LITT	40																		
			2	EREF	40	6	25	10	13	18	0	1	4	0.0	4.5	0.3	51	19	43	100	130	63	75
				BOGR	25																		
				AGSM	5																		
				LITT	30																		
			3	BOGR	30	6	6	24	5	12	0	1	1	0.8	12.0	3.0	61	100	46	100	130	260	200
				LITT	60																		
				BARE	10																		
			4	AGSM	10	10	5	20	0	8	0	0	1	0.6	3.5	7.0	53	64	70	110	130	200	200
				BOGR	25																		
				SPCO	5																		
				LITT	60																		
			5	BOGR	10	6	10	17	4	11	0	0	0	0.0	7.5	3.8	61	57	48	110	130	190	140
				AROR	15																		
				ATCA	20																		
				SPCR	15																		
				LITT	40																		

B G

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7-20-04Surveyed / Recorded by P. Greenwood, S. Cain

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds w/ in 3m		# bur > 3 cm w/ in 3m	Distance (m) to nearest			ATCA dim. (cm)			Mound dim. (cm)			
						grass	forb	shrub	1m small	3m ATCA	ant	gopher		ATCA	ant	gopher	L	W	H	L	Ant	gopher	W
2004	24	3	6	SPCO	5	15	4	39	2	1	0	1	0	2.5	6.7	2.5	53	42	37	130	120	35	17
				BOGR	5																		
				AGSM	5																		
				BARE	5																		
				LITT	80																		
			7	SPCO	5	13	6	16	7	3	1	0	0	0.3	0	<20	119	57	69	130	210		
				CHLE	5																		
				AKFR	5																		
				BOGR	25																		
				BARE	5																		
				LITT	55																		
			8	SPCO	5	11	7	4	4	4	0	0	1	1.5	<20	2.7	32	40	60			32	31
				AKFR	5																		
				BOGR	10																		
				LITT	80																		
			9	EREF	10	7	4	15	6	7	0	0	1	0	<20	3.1	110	97	80			110	80
				BOGR	10																		
				BARE	10																		
				LITT	70																		

BG

Date Surveyed 7-20-04

Surveyed / Recorded by B. Greenwood J. Cain

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