

Project Summary Sheet – Year 2003

Project Name SGS-LTER Monitoring Project Vegetation on Small Mammal Web

Project Number ARS #718

Principal Investigator(s) Paul Stapp

Dates of Data Collection 7/21/03; 7/26/03, 7/27/03

Plot Names / Specific Location of study area(s) Vegetation and small Mammal Webs
13NW; 13SW; 24NE; 25NE; 26NW; 27NE

Full Names of Data Collectors S. Raiding; H. Smith; J. Weaver, A. Shelton
C. Jamison; B. Grady, A. Gaylord; S. Blecker; B. Vogel

Names of Associated Files and Databases Ascalon\projects\dataentry\ARS#118-VegWeb-
Data\ARS#118-Vegweb-2002-03-JJ.xls also -ARS#118-VegWeb-Data-2001,
ARS#118-VegWeb-Data-2000; ARS#118-VegWeb-99

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

Data sheets are arranged by webs

Web 24NE - 9 pages.

Web 13NE - 10 pages

Web 13SW - 11 pages

Web 27NE - 11 pages

Web 26NW - 12 pages

Web 25NE - 11 pages

Questions and Concerns

* I would like to speak with you about
standardizing these data.

* Do you have digital or hard copies of 1st year
of data collection in 1998?

Date copies of data sheets were sent to PI(s) 18/Nov 2003

Date copies of data sheets were sent to SGS-LTER office Sept. 2003

Names of any other persons given copies of data sheets

Nicole Kaplan (Im) Mark Lindquist

Date Surveyed 7/21/03

Surveyed / Recorded by Seth Ratering

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/21/03Surveyed / Recorded by Seth Ratering

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	ant	gopher	ATCA	mound	mound	L	W	H
2003	13NW		1	ELEF	40	15	42	29	12	6	—	—	—	1.4	7.3	12.8	77	81	47	130	160	140	70
				SPCO	5																		
				BOGR	30																		
				LITT	20																		
				BARE	5																		
2003	13NW		2	TROR	25	30	28	23	13	9	—	—	—	0.7	5.3	13.4	90	49	73	100	110	140	70
				CRJA	10																		
				ERER	20																		
				HEPU	5																		
				OPPO	5																		
				BOGR	5																		
				LITT	30																		
2003	13NW		3	CRJA	10	5	54	6	8	13	—	—	—	0.65	5.7	19.1	69	64	82	130	110	140	70
				SPCO	25																		
				ARFR	5																		
				STCO	20																		
				BOGR	15																		
				TROR	5																		
				UNKN	5																		
				LITT	15																		

- whole disturbed site was measured during ant mound & gopher dimensions

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/21/03Surveyed / Recorded by Seth Ratering

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	ant	gopher	L	W	H	L	W
2003	13NW		4	BOGR	55	8	45	30	5	14	—	1	6	0.64	8	3.4	84	103	103	100	120	60	100
				TROC	10																		
				ARFR	5																		
				LITT	30																		
2003	13NW		5	BOGR	75	6	4	28	12	5	—	—	—	1.8	4.5	11	58	29	35	110	95	60	100
				SPCO	5																		
				BALE	20																		
2003	13NW		6	EREF	15	6	20	29	6	5	—	—	—	1.3	9.6	8.5	49	46	71	124	61	98	72
				AGSM	10																		
				BOGR	40																		
				LYJU	5																		
				LITT	10																		
				BALE	20																		
2003	13NW		7*	EREF	100				15	6	1	1	—	1.7	2.5	3.0	61	113	83	120	110	20	25
				BOGR	15																		
				AGSM	5																		
2003	13NW		8	BOGR	40	9	16	30	15	2	1	—	—	1.0	1.6	6.6	24	35	30	49	91	70	85
				LYJU	20																		
				LITT	40																		

* Stratified canopy

Date Surveyed 21 July 2003

Surveyed / Recorded by April Shelton

[illegible]

Date Surveyed 7/21/03

Surveyed / Recorded by Adam, Steve, Heather
C. Ford, Slecker, Walker, Stanger

[illegible]

Adam Foster

Steve

Surveyed / Recorded by Gary, W. Kerstetter, Blecker

[illegible]

Date Surveyed 7/21/03

Surveyed / Recorded by _____

[illegible]

SGS-LTER Monitoring Project Vegetation on Small Mammal Webs

Adam Steve Heather

Surveyed / Recorded by Gaylord, Blecker, Walkerstorfer

Date Surveyed 7/21/03

[illegible]

**SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs**

Date Surveyed 7-21-03Surveyed / Recorded by Laura Jamison

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
2003	13 NW	1	1	Bogr	40	22	5	73	-	5	-	-	-	1.3	7.05	3.25	120	90	73	25	40	95	65
				Oppo	5																		
				Spec	5																		
				litt	35																		
				Rare	15																		
		1	2	Bogr	30	10	7	16	19	8	1	-	-	1.28	2.6	NP	120	69	65	70	52	95	65
				Eref	10																		
				Lyju	5																		
				Agsm	5																		
				litt	45																		
				Rare	5																		
		1	3	Spec	5	32	25	24	9	6	-	-	-	1.26	2.95	21.25	38	47	64	70	52	95	65
				Agsm	5																		
				Bogr	5																		
				Chle	5																		
				litt	70																		
				Rare	10																		

no speeder holes found until plot 5

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7-21-03Surveyed / Recorded by Laura Jamison, April Shelton

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	W	L	W
2003	13NW	1	4	BOGR	40	51	30	26	2	6	-	-	-	1.9	10.5	11.25	25	30	33	25	28	95	65
				OPPO	5																		
				SPCO	10																		
				EREF	10																		
				AGSM	10																		
				LITT	15																		
				BARE	10																		
		1	5	BARE	-	33	13	67	-	4	-	1	-	1.5	12.58	2.6	52	46	42	43	41	95	65
				LITT	20																		
				AGSM	50																		
				BOGR	30																		
		1	6	BARE	10	5	10	73	-	6	-	-	-	.6	7.65	19.04	98	60	69	41	31	95	65
				LITT	25																		
				BOGR	65																		
				AGSM	1																		
		1	7	LITT	15	50	46	70	-	8	-	-	-	1.25	3.91	30.1*	55	45	70	41	31	63	31
				AGSM	50																		
				BOGR	35																		

* = pass. speedier

Date Surveyed

Surveyed / Recorded by

B. Brady

[illegible]

Surveyed / Recorded by B. Brady

[illegible]

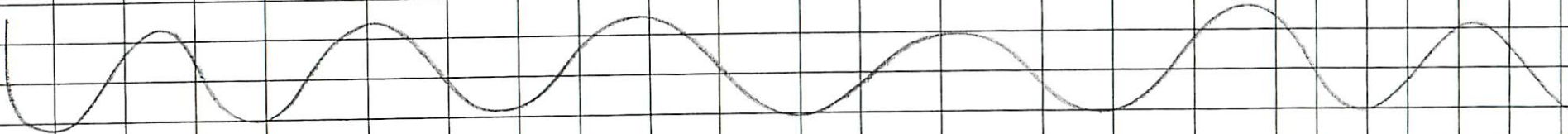
SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed

7/21/03

Surveyed / Recorded by

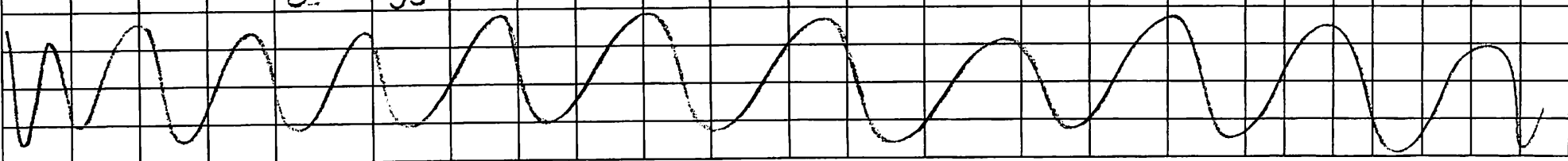
B. Grady

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 mound	L	W	H	L	W	L	W
2003	13SW	1	1	SPCO	20	8	10	60	—	3	—	—	—	7.9	4.5	4.8	21	10	50	56	70	110	90
				STCO	15																		
				OPPO	5																		
				BAKE	10																		
				LITT	50																		
2003	13SW	1	2	VUOC	5	53	22	17	5	6	1	—	—	2.2	0.3	6.8	85	79	47	130	121	83	39
				STCO	15																		
				BOGR	25																		
				BAKE	40																		
				LITT	15																		
2003	13SW	1	3	EREF	20	7	13	23	7	3	—	—	—	1	6.8	3.6	70	89	75	121	69	35	29
				STCO	10																		
				CHLE	5																		
				BOGR	25																		
				BAKE	10																		
				LITT	30																		
																							

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/21/03Surveyed / Recorded by B. Grady

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	L	W
2003	13 SW	1	4	SPCO	10	10	12	37	4	4	—	—	—	.49	8.7	8.5	59	12	29	90	90	70	70
				CHLE	5																		
				BOGR	25																		
				BAPE	25																		
				LITT	35																		
2003	13 SW	1	5	CHEE	5	47	9	59	10	5	1	1	—	.8	2.6	2.1	29	20	39	80	70	50	52
				STCO	15																		
				BOGR	15																		
				BAPE	10																		
				LITT	55																		
2003	13 SW	1	6	OPPD	5	45	14	62	10	6	—	—	3	2.5	4.0	3.8	59	70	59	130	90	40	40
				SPCO	5																		
				BOGR	15																		
				STCO	15																		
				BAPE	5																		
				LITT	55																		



Date Surveyed

Surveyed / Recorded by B. Grandu

[illegible]

Date Surveyed

Surveyed / Recorded by B. Gendy

[illegible]

Date Surveyed 7/21/03

Surveyed / Recorded by

[illegible]

Date Surveyed 7/21/03

Surveyed / Recorded by

Soth Raderinc

[illegible]

P. Stapp, 4/98

Web 135d, p. 9 of 11

SGS-LTER Monitoring Project Vegetation on Small Mammal Webs

Date Surveyed 7/21/03

Surveyed / Recorded by

Seth Ratering

[illegible]

Date Surveyed 7/21/03

Surveyed / Recorded by Seth Rakering

[illegible]

Date Surveyed 7/21/03

Surveyed / Recorded by Seth Rakering

[illegible]

Seth Raidering
Heather Walkerstorf
Jamie Weaver

Surveyed / Recorded by

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal WebsDate Surveyed 7.21.03

Surveyed / Recorded by

Heather Walkenstorf
Jamie Weaver
Seth Radering

Year	Web	Tran- sect (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			ATCA	ant	gopher	L	W	H	Ant	gopher	L	W
'03	24	1	5	BARE	5	19	8	18	10	18	—	—	0.8	12.1	8.2	40	30	25	141	123	20	19
				LITT	30																	
				BOGR	30																	
				BUDA	30																	
				CAHE	5																	
			6	BARE	18	11	10	23	3	3	1	1	2.5	3.8	0.8	100	100	80	180	140	30	19
				LITT	2																	
				CRJA	75																	
				OPPO	5																	
			4 7	BARE	5	12	4	30	4	4	—	1	.56	7.2	8.2	34	40	38	159	200	70	38
				LITT	55																	
				OPPO	5																	
				BOGR	15																	
				BUDA	20																	
			8	BARE	20	18	18	20 20	4	5		3	0.8	3.6	1.5	70	60	55	159	200	30	25
				LITT	43																	
				SIHY	10																	
				SPCO	2																	
				BUDA	5																	
				LITT	20																	

note: Gopher mounds - sparse - and for holes
Some holes may not be gopher

(all data)

Heather Walker Storfer
Laimie Weaver
Seth Radering

7.21.03

Surveyed / Recorded by

[illegible]

SGS-LTER Monitoring Project Vegetation on Small Mammal Webs

Beth Grady

Date Surveyed 7-21-03

Surveyed / Recorded by Laura Jamison, April Shelton

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 27 July 2003Surveyed / Recorded by April Shelton, Laura Jamison, Beth Grady

Year	Web	Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs w/in		# mounds w/ in 3m ant	# 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
2003	24	2	4	BARE	—	14	14	20	15	1	—	—	—	2.1	6.3	7.6	40	40	40	80	80	70	45
				LITT	40																		
				SPCO	10																		
				OPPO	5																		
				BOGR	25																		
		2	5	Litt	20	10%	15	20	12	8	1	—	—	0.4	1.5	13.75	70	50	50	50	50	40	50
				Bare	80																		
		2	6	Boyr	50	18	16	28	12	7	+	—	—	0.8	7.5	10.6	155	130	90	50	50	110	80
				Lyju	5																		
				Stco	5																		
				Litt	25																		
				Bare	15																		
2003	24	2	7	LITT	55	24	6	25	4	9	—	—	—	1.6	13.25	13.37	355	60	40	40	100	116	
				OPPO	15																		
				CRJA	1																		
				BOGR	25																		
				STCO	4																		

→ plot on ant mound clearing

Date Surveyed 21 July 2003

Surveyed / Recorded by April Shelton, Laura Jamison, Beth Grady

[illegible]

Date Surveyed 7/21/03

Surveyed / Recorded by Adam Gaylord, Steve Blecker, Brandon Vogel

[illegible]

Date Surveyed 7/21/03

Surveyed / Recorded by Adam Cayford, Steve Blacker, Brandon Vogel

[illegible]

Date Surveyed 7/21/03

Surveyed / Recorded by Adam Gaylord, Steve Black, Brandon Vogel

[illegible]

Date Surveyed 7/17/03

Surveyed / Recorded by

Seth Peterson

[illegible]

*** no true gopher holes

Date Surveyed 7/17/03

Surveyed / Recorded by Seth Ralving

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/17/03Surveyed / Recorded by Seth Ratering

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	ant	gopher	ATCA	mound	mound	L	W	H
2003	25 ^{1/4}	2	4	VUOC	5	8	16	21	3	—	—	—	—	37	35	—	—	—	60	42	25	35
				THTR	5																	
				SPCO	5																	
				ARLO	10																	
				BOGR	15																	
				BUDA	5																	
				BARE	5																	
				LITT	50																	
03	25NE		5	LICH	5	15	9	27	1	—	—	—	9.2	42	—	—	—	26	55	30	30	
				ARLO	20																	
				BOGR	10																	
				CATE	5																	
				BARE	10																	
				LITT	50																	
03	25NE		6	ARLO	30	38	6	22						11.7	9	*			26	55	30	25
				PTOP	5																	
				BOGR	5																	
				BARE	10																	
				LITT	50																	

* possible SPTR

7/17/03

Surveyed / Recorded by

Seth Radering

[illegible]

* Possible SPR

xx no true gopher mounds

SGS-LTER Monitoring Project
Vegetation on Small Mammal WebsDate Surveyed 7/17/03Surveyed / Recorded by Jamie Weaverreasonable
distance

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			ATCA	ant	gopher	L	W	H	L	W	L	W
2003	25 ^{NE}	1	7	VUOL	5	1	25	16								34.8	34.5		70	120	37	55
				BUDA	15																	
				LICH	5																	
				BOGE	45																	
				LITT	40																	
03	25 ^{NE}	1	8	CHLE	5	4	7	11								29.1	29.8		70	120	57	55
				LICH	15																	
				BUDA	15																	
				BOGE	30																	
				BARE	10																	
				LITT	35																	
03	25 ^{NE}	1	9	SPCG	5	5	6	12	3			1				30.5	27.35		70	120	70	120
				BOGE	45																	
				LITT	10																	
				BARE	40																	
03	25 ^{NE}	1	10	ASOS	5	10	12	16								10.7	29.2		100	100	70	120
				SPCG	5																	
				VUOL	5																	
				LAHE	5																	
				LICH	5																	

BOGE 35

LITT 40

* All w/n web T25 have been heavily Grazed w/ no Gophers present.

P. Stapp, 4/98

Web 25, p. 6 of 11

SGS-LTER Monitoring Project Vegetation on Small Mammal Webs

Date Surveyed

7/17/03

Surveyed / Recorded by

Seth Ruttering

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		ant	gopher mound	ATCA mound	gopher mound	L	W	H	L	W	L
2005	ZS	1	4	BUDA	25	3	5	15						32.6	*				8	4	*	*	
				BOCR	40																		
				LICH	10																		
				SICO	5																		
				LITT	20																		
03	ZSNE	1	5	SICO	5	4	6	15			1		—	42.4	*				8	4	*	*	
				CHLE	5																		
				BOCR	30																		
				BARE	10																		
				LICH	5																		
				LITT	50																		
03	ZSNE	1	6	SICO	10	4	5	21						41.1	*				70	120	*	*	
				CHLE	5																		
				LEDE	5																		
				BOCR	25																		
				CAHS	5																		
				BUDA	15																		
				LICH	10																		
				LITT	25																		

SGS-LTER Monitoring Project Vegetation on Small Mammal Webs

Adams
Geylord

Date Surveyed 7/17/03

Surveyed / Recorded by Geylord

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/17/03Surveyed / Recorded by B. Grady

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		ant	gopher	ant	gopher	ATCA mound	L	W	H	L	W
2003	25 _{NE}	3	1	BOGR	25	6	12	11	—	—	—	—	—	NA	14.5	*NA	—	—	—	130	150	40	20
				CAHE	30																		
				VUOC	5																		
				LICH	10																		
				BARE	20																		
				LITT	10																		
2003	25 _{NE}	3	2	CAHE	30	9	4	22	1	0	—	—	—	NA	18.6	*NA	—	—	—	130	150	40	20
				BOGR	25																		
				LICH	10																		
				LITT	35																		
2003	25 _{NE}	3	3	VUOC	5	10	11	11	—	—	—	—	—	NA	8.75	*NA	—	—	—	60	60	40	20
				CAHE	10																		
				BOGR	20																		
				LICH	5																		
				LITT	55																		
				BARE	5																		

*Possibly SPTR hole

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed

7/17/03

Surveyed / Recorded by

B. Grady

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
2003	25 _{NE}	3	4	ARLO	20	7	5	11	—	—	—	—	—	NA	7.5	*15.9	—	—	—	60	60	40	20
				SPLO	10																		
				BOGR	15																		
				CAHE	5																		
				BARE	20																		
				LITT	25																		
				LICH	5																		
2003	25 _{NE}	3	5	SPLO	5	17	6	11	—	—	—	—	NA	15.9	*25.62	—	—	—	60	60	40	20	
				VUOC	10																		
				CAHE	15																		
				BUDA	20																		
				BOGR	10																		
				LITT	40																		
2003	25 _{NE}	3	6	PIOP	5	13	6	16	—	—	—	—	NA	34.9	*45.8				60	60	40	20	
				SPLO	5																		
				VUOC	10																		
				BOGR	40																		
				LITT	40																		

*Possibly SPTR hole

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed

7/17/03

Surveyed / Recorded by

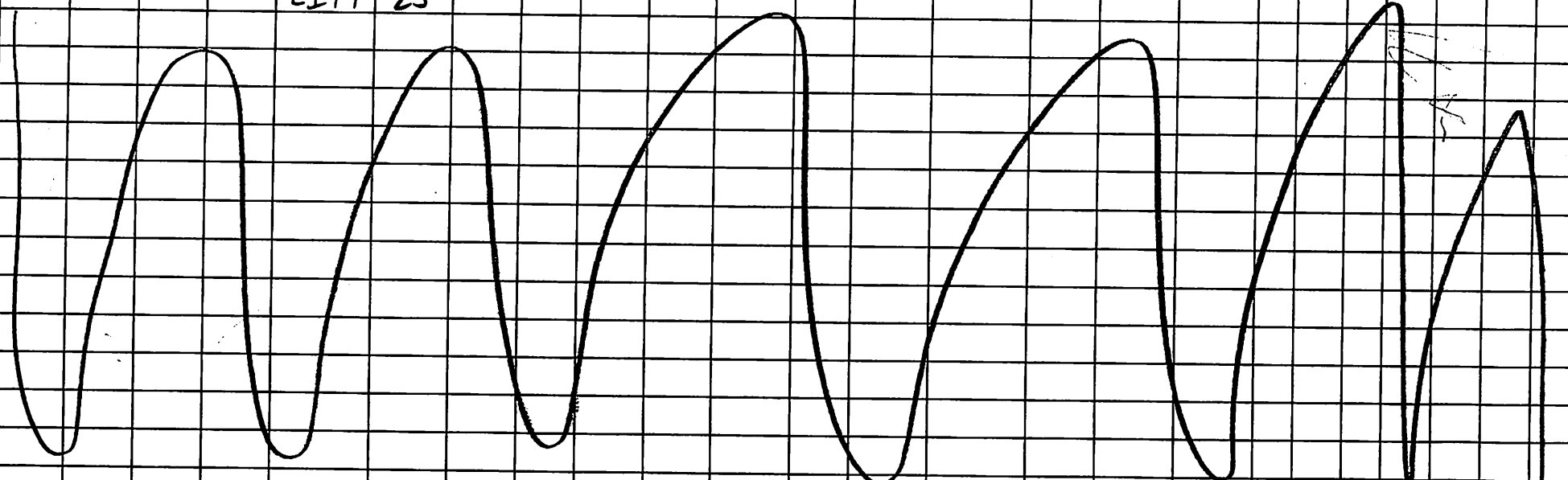
B. Grady

Year	Web	Tran- sect (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			ATCA	ant mound	gopher mound	L	W	H	L	W	L	W
2003	25/E	3	7	SPLO	10	9	4	28					NA	44.9	*55.18				60	60	40	20
				VUOC	5																	
				STCO	10																	
				BOGR	25																	
				LICH	20																	
				BARE	5																	
				LITT	25																	
2003	25/E	3	8	ARLO	10	4	5	15	1				NA	55.9	*66.18				60	60	40	20
				BOGR	25																	
				SPLO	5																	
				VUOC	5																	
				BARE	10																	
				LITT	45																	
2003	25/E	3	9	SPLO	5	8	4	17					NA	66.9	*77.18				60	60	40	20
				VUOC	5																	
				BOGR	30																	
				BARE	15																	
				LICH	15																	
				LITT	30																	

* Possibly SPTR hole

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/17/03Surveyed / Recorded by B. Grady

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	ant	gopher mound	L	W	H	L	W	L
2003	25	3	10	VUOC	10	11	5	19						NA	77.9	*88.8				60	60	40	20
				SPCO	5																		
				BOGR	15																		
				BUDA	15																		
				BTCD	25																		
				TAPA	5																		
				LITT	25																		
																							

*Possibly SPTR hole

Date Surveyed

Date Surveyed 16 July 2003

Surveyed / Recorded by

Surveyed / Recorded by J. Weaver, S. Ratering, B. Vogel
S. Becker

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed

16 July 2003

Surveyed / Recorded by

D. Weaver, C. Lover, B. Vogel, S. Blocker

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		ATCA	ant	gopher	L	W	H	L	W	L	W
03	27 ^{NE}	3	4	BARE	5	10	20	8	8	X	0	4	1	X	10.8	1.7	—			90	80	80	60
				LITT	30																		
				BOGR	20																		
				STCO	10																		
				ARLO	15																		
				GUSA	5																		
				SPLO	5																		
				THTR	10																		
03	27 ^{NE}	3	3	BARE	5	10	22	19	5	X	0	2	7	X	7.8	1.6	—			114	96	50	20
				LITT	35																		
				THTR	15																		
				BOGR	20																		
				SPLO	5																		
				OPPO	10																		
				CANE	5																		
				SPCR	5																		
03	27 ^{NE}	3	2	BARE	15	9	16	14	11	X	0	0	0	X	6.9	4.7	—			114	96	60	40
				LITT	20																		
				SPLO	15																		
				THTR	20																		

SPCR 5
BOGR 20
LITT 5

Note: gopher holes
included
in #burSGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed

16 July 2003

Surveyed / Recorded by

J. Weaner, S. Raftery, S. Becke, B. Noegel

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	ATCA	ant	gopher	L	W	H	L	W
03	27 ^{NE}	3	7	BARE	5	15	3	28	8	X	1	0	1	X	1.2	3.5	—		8	8	150	80	
				LITT	60																		
				BOGR	10																		
				CAHE	20																		
				OPPO	5																		
03	27 ^{NE}	3	6	BARE	10	9	5	21	2	X	0	12	16	X	12.3	0.5	—		90	80	80	60	
				LITT	45																		
				BOGR	15																		
				ARLO	15																		
				OPPO	5																		
				GUSA	5																		
				CAHE	5																		
03	27 ^{NE}	3	5	BARE	5	21	19	15	6	X	0	0	2	X	5.3	8.5	—		90	80	124	120	
				LITT	55																		
				BOGR	15																		
				ARLO	5																		
				VUOC	5																		
				OPPO	5																		
				THTR	10																		

same as (6)

Date Surveyed 16 July 2003

Surveyed / Recorded by

by I weaver, S, Ratering, S. Vogel, S. Becker

[illegible]

Date Surveyed 16 July 2003

Surveyed / Recorded by every one

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal WebsDate Surveyed 16 July 2003Surveyed / Recorded by J. weaver B. Vogel
everyone S. Ratering S. Blocker

Year	Web	Tran- sect (1-3)	Point (1-10)	Species	Canopy % 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		ant	gopher	ATCA	ant	gopher	L	W	H	Ant	gopher
03	27 ^{NE}	1	5	GUSA	10	4	10	12	0	X	0	0	0	n/a	6.2	6.2				120	86	120	86
				CHVI	5																		
				SPLO	5																		
				BOGR	15																		
				LICH	5																		
				BARE	20																		
				LITT	40																		
03	27^{NE}	1	6																				
03	27 ^{NE}	1	6	THTR	20	6	7	15	9	X	0	0	3	n/a	5.9	1.4				120	86	112	70
				EREF	10																		
				ARLO	5																		
				SPLR	5																		
				BOGR	5																		
				LITT	35																		
				BARE	20																		
03	27 ^{NE}	1	7	THTR	15	8	7	20	3	X	0	0	0	n/a	14.6	8.4				110	95	190	110
				OPPO	5																		
				BOGR	10																		
				SPLO	5																		
				NUOL	5																		
				BARE	10																		

BARE 10
LITT 50

Date Surveyed 7/16/03

Surveyed / Recorded by _____

[illegible]

Date Surveyed 7/16/03

Surveyed / Recorded by Adam Gaylord, Laura Jamison, April Skell

[illegible]

SGS-LTER Monitoring Project Vegetation on Small Mammal Webs

Date Surveyed 7/16/03

Surveyed / Recorded by

Adam Laura April
Gaylord, Jamison, Shelton

[illegible]

Date Surveyed 7/16/03

Surveyed / Recorded by Adam Gaylord, Laura Jamison, April

[illegible]

LICH 3

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/16/03

Surveyed / Recorded by _____

Year	Web	Tran- sect (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			ATCA	ant	gopher	L	W	H	L	W	L	W
2003	27 ^{NE}	2	8	THTR	10	37	23	24	1	—	1	1	—	7.85	2.9	—	—	—	46	43	40	55
				STCO	15																	
				OPPO	5																	
				LICH	55																	
				BARE	10																	
				LITT	5																	
03	27 ^{NE}	2	9	BOGR	5	11	18	26	2	—	4	4	—	3.6	1.9	—	—	—	46	43	30	36
				THTR	5																	
				STCO	3																	
				LICH	2																	
				LITT	55																	
				BARE	25																	
03	27 ^{NE}	2	10	SPCO	3	17	24	18	1	—	—	—	—	9.3	5.2	—	—	—	40	35	50	60
				THTR	10																	
				SIHY	10																	
				BOGR	15																	
				BARE	7																	
				LITT	53																	

SPCR 2

Date Surveyed 7/17/83

Surveyed / Recorded by

Adam, Jamie, Laura
Gaylord, Weaver, Jamison

[illegible]

Date Surveyed 7/17/03

Mammal Webs
 Adam, Jamie, Laura
 Surveyed / Recorded by Guyford, Weaver, Jamison

[illegible]

②

P. Stapp, 4/98

Web 26^{N/W}, p. 3 of 12

Adam	Janie	Laura
Gaylord,	Weaver	Janison

Surveyed / Recorded by[illegible]

Adam Jamie Laura
Gaylord, Weaver, Jamison

Surveyed / Recorded by Gaylor, Weaver, Johnson

[illegible]

Date Surveyed 7/17/03

Surveyed / Recorded by _____

[illegible]

Date Surveyed 7-17-03

Surveyed / Recorded by

[illegible]

Δ

7/17/03

B. Grade[illegible]

Date Surveyed 7/17/03

Surveyed / Recorded by Beth Grady

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

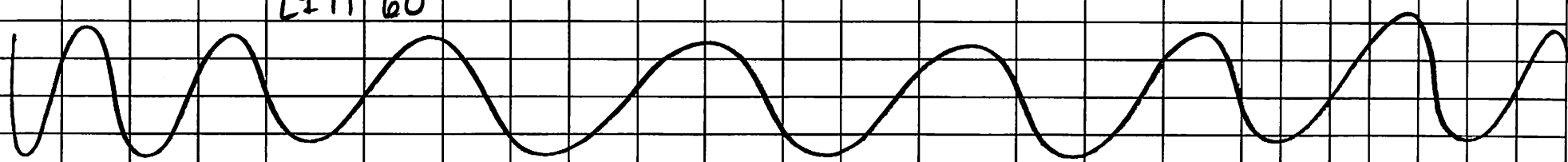
Date Surveyed

7/17/03

Surveyed / Recorded by

B. Grady

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	L	W	L	W
2003	26 ^{NW}	2	3	OPPO	10	16	14	15	0	0	0	50	0	0	17.7	5.4	—	—	147	147	100	70	
				VUOC	5																		
				AGSM	5																		
				BUDA	15																		
				BOGR	5																		
				SPCO	5																		
				COVI	5																		
				THTR	5																		
				LITT	45																		
2003	26 ^{NW}	2	4	OPPO	5	9	5	18	0	0	0	0	0	0	13.2	15.7	—	—	100	120	100	70	
				BUDA	5																		
				BOGR	10																		
				ARLO	5																		
				SPCO	5																		
				BARE	10																		
				LITT	60																		



Date Surveyed 7/17/03

Surveyed / Recorded by B. Grady

[illegible]

Date Surveyed

B. Grade[illegible]

Date Surveyed

Surveyed / Recorded by B. G. Radu

Date Surveyed 7/17/03

[illegible]