

Transect 4

Surveyed / Recorded by L. Hartley, C. Farley, S. Caulkins

[illegible]

Transect/point	Comments
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Center of this transect is trap site 45. The bearing is 77°. The transect runs west to east. Point 1 is westernmost point

Siapp Field Studies / Small Mammal Webs/ Veg on Webs - data sheet

Web 25, p. 1 of 5  
trap site  
45

SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Web 25 Date Surveyed 15 July 1999

Surveyed / Recorded by Diana Leiker & Sarah Quinnlivan

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	1	BOGR	75	14.5	10	33	∅	∅	9	∅	∅	/	/	1	/	/	/	9	11	/	/
		SPCO	1																		
		VUOC	1																		
		CAREX	1																		
		BARE	1																		
		LITT	20																		
		MILI	1																		
1	2	BOGR	45	9	27	*	∅	∅	4	∅	∅	/	/	1.5	/	/	/	6	6	/	/
		SIHY	1																		
		VUOC	1																		
		BARE	35																		
		LITT	8																		
1	3	CAREX	5	11	15	25	∅	∅	1	∅	1	/	/	2	/	/	/	5	4	/	/
		SPCR	1																		

Transect/point Comments

1-1, 1-2, 1-3 ant mounds more realistically an ant hill, no gopher mounds nearby

1-1 \* no shrubs within 20m

1-3 Paubenmire frame included bare ground due to a burrow disturbance

VUOC = Standing Dead

trap site  
45SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 25 Date Surveyed 15 July 1999Surveyed / Recorded by DL & SR

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	3 (cont)	VUOC	1																		
		ARLO	15																		
		BOGR	20																		
		BARE	30																		
		LITT	28																		
1	4	CAREX	10	10.5	16	29	0	0	1	0	1	/	/	9.4	/	/	/	2	2	/	/
		LEDE	1																		
		VUOC	1																		
		ARLO	5																		
		PSTE	1																		
		BOGR	40																		
		BARE	20																		
		LITT	22																		

ant  
hill

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Transect 1

Web 25 Date Surveyed 7/15/99

Surveyed / Recorded by K. K. Martinez & E. McLean

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	6	CPPO	10	8	7	18	2	/	0	0	0	/	11.4	0	/	/	/	0	0	.77	.54
		SPCO	1																		
		BOGR	25																		
		STHV	5																		
		CAHE	5																		
		TAPA	1																		
		BAPE	5																		
		LiH	50																		
1	5	SPCO	1	3	10	23	0	/	0	0	0	/	0	0	/	/	/	0	0	0	0
		BOGR	20																		
		CAHE	5																		
		BLUP	20																		
		LiH	40																		
		BARO	5																		

Transect/point Comments

Nearest shrub for #5 webs 6m



SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Transect 1

Web 25 Date Surveyed 7/15/99Surveyed / Recorded by K. Woodhouse K. MacLean

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	8	LIT	25	8	8	23	0	/	0	0	0	/	155	0	/	/	/	0	0	26	47
		SPCO	5																		
		SITH	5																		
		BOGR	5																		
		BUDA	55																		
		BAPo	5																		
1	7	PLPA	1	19	13	X	0	/	0	0	0	/	63	0	/	/	/	0	0	83	100
		OPPO	5																		
		POGR	60																		
		CAHE	5																		
		LIT	30																		
		BARE	1																		

Transect/point

Comments

Nearest shrub was 6m from random point  
 \*Nearest shrub was over 20M away

Center of this transect is trap site 45. The bearing is 111°. The transect runs west to east, Point 1 is the westernmost point

Stapp Field Studies / Small Mammal Webs/ Veg on Webs - data sheet

Web 25, p. 5 of 5

Transect 1

SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Web 25 Date Surveyed 15 July 1999

Surveyed / Recorded by K. Wernhouse K. Macdonald

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	10	OPPO	5	5	4	11	0	/	0	0	0	/	0	0	/	/	/	0	0	0	0
		CAHE	25																		
		BUDA	40																		
		BARE	1																		
		LH	15																		
		TAPA	1																		
1	9	STCO	5	5	2	15	0	/	0	0	0	/	25.4	0	/	/	/	0	0	55	25
		OPPO	1																		
		DEAL	1																		
		BUDA	45																		
		LH	40																		
		BARE	5																		

Transect/point Comments

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Center of this transect is trap site 15. The bearing is 157°. The transect runs SE to NW. The first site is at the SE most point.

Siapp Field Studies / Small Mammal Webs/ Veg on Webs – data sheet

Web 25, p. 1 of 5

SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Transect 2

Web 25 Date Surveyed 15 July 1999

Surveyed / Recorded by D. Hanni, S. Caulkins, C. Farley

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs		3m # mounds		# 3m > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	1	BUDA	50	5	13	19	0	-	0	0	0	-	∅	∅	-	-	-	-	-	-	-
		BOGL	15																		
		CAHE	5																		
		BARF	10																		
		LITT	15																		
2	2	ASOX	15	8	11	17	3	-	0	0	0	-	∅	∅	-	-	-	-	-	-	-
		BUDA	55																		
		CAHE	5																		
		AGSM	5																		
		LITR	20																		
		BARF	5																		
2	3	CAHE	5	14	7	19	0	-	6	0	0	-	∅	22.2	-	-	-	1.3	.85	-	-
		BUDA	35																		
		LIDI	1																		

Transect/point Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 25 Date Surveyed 15 July 1999Surveyed / Recorded by D. Hanni S. Caulkins, C. Farley

Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	3	SIHY	5																		
		SPCD	1																		
		BOGR	25																		
		BAKE	10																		
		LITT	15																		
		UNK1	1																		
2	4	PIOP	15	5	13	25	0	-	0	0	2	-	φ	15.5	-	-	-	LEANT	-	-	
		VOOL	1																		
		CAME	10																		
		BOGR	15																		
		BUDA	20																		
		BAKE	20																		
		LITT	15																		

Transect/point

Comments

2/3PERKS ANT MOUND

SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 25 Date Surveyed 15 July 1999Surveyed / Recorded by L. Hartley, L. Lentz

Transect sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs		3m # mounds		# 3m > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (mm) (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	ant L	W	gopher L	W
2	5	Speco	1	80	9.5	300	0	0	0	0	0	NA	NA	10.3	NA	NA	NA	80	80	NA	NA
		Bogr	35																		
		Arlo	1																		
		Litter	35																		
		Bare	30																		
2	6	Sihy	1	8.9	8.9	23	3	0	0	0	1	NA	NA	9.2	NA	NA	NA	88	80	NA	NA
		Bogr	20																		
		Muto	5																		
		Vuoc	5																		
		Carex	1																		
		Buda	10																		
		Bare	30																		
		Litter	40																		

Transect/point

Comments

2-6Vuoc is dead

SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Transect 2

Web 25 Date Surveyed 15 July 1999Surveyed / Recorded by L. Hartley, L. Lentz

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs		3m # mounds		# 3m > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	7	Sihy	10	20.5	7	26	0	0	0	0	0	NA	0	15.5	NA	NA	NA	80	80	NA	NA
		Speco	10																		
		Vuoc	5																		
		Bogr	10																		
		Carex	10																		
		Bare	10																		
		Litter	45																		
2	8	Bogr	70	12.5	13	22	0	0	0	0	0	NA	0	11.0	NA	NA	NA	100	80	NA	NA
		Vuoc	1																		
		Bare	10																		
		Litter	20																		

Transect/point

Comments

2-8

Same as 2-9 ant mound

SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 25 Date Surveyed 15 July 1999Surveyed / Recorded by D. Hanni, S. Conkling, C. Farley

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs		3m # mounds		# 3m > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	9	SPCO	5	21	10	14	0	-	0	0	0	-	0	13.7	-	-	-	.70	.80	-	-
		YUOL	5																		
		SILY	1																		
		CARE	5																		
		BOGR	65																		
		BAKE	5																		
		LITT	15																		
2	10	ARLO	15	14	11	20	0	-	0	0	2	-	0	0	-	-	-	-	-	-	-
		SPCO	5																		
		BOGR	55																		
		CARE	1																		
		BAKE	10																		
		LITT	15																		

Transect/point    Comments

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Center is trap site 5. Bearing is 74°, Runs West to East. Trap 1 is westernmost point

Stapp Field Studies / Small Mammal Webs/ Veg on Webs - data sheet

Web 25, p. 1 of 6

SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Transect 3

Web 25 Date Surveyed 15 July 1999

Surveyed / Recorded by L. Hartley, L. Lentz

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs		3m # mounds		# 3m > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	1	Vuoc	5	12	38	22	0	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Bogr	50																		
		Carex	5																		
		Bare	15																		
		Litter	25																		
3	2	Arlo	20	19	29.2	24	0	0	0	0	0	NA	0	0	NA	NA	NA	NA	NA	NA	NA
		Tapa	1																		
		Vuoc	5																		
		Buda	1																		
		Bogr	35																		
		Carex	5																		
		Litter	20																		
		Bare	10																		

Transect/point    Comments

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Vuoc is dead, This site had some flooding in the early spring.



SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsTranssect 3Web 25 Date Surveyed 7/15/94Surveyed / Recorded by K. L. Bernmark & K. Maclean

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	ant L	W	gopher L	W
3	3	PIOP	5	7	5	24	0	/	0	0	0	/	0	0	/	/	/	0	0	0	0
		SETH	1																		
		ARLO	5																		
		BOGR	15																		
		BAKE	20																		
		LIT	50																		
		CAHE	5																		
3	4	ARLO	30	13	9	16	3	/	0	0	0	/	0	9	/	/	/	30	28	0	0
		BOGR	5																		
		LIT	45																		
		BAKE	20																		
		SECO	1																		

Transect/point    Comments

4 is same ant hill as 5

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

Transect 3

Web 25 Date Surveyed 15 July 1999

Surveyed / Recorded by Di Leiker & Sarah Quinnivan

[illegible]

Transect/point

### Comments

3-5

2 of 3 ant mounds were ant hills

74°

Stapp Field Studies / Small Mammal Webs/ Veg on Webs – data sheet

Web 25, p. 4 of 6  
Transect 3SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 25 Date Surveyed 15 July 1999Surveyed / Recorded by D. Hamni, C. Farley, S. Caudykins

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher	ant	L	W	H	ant	gopher	L	W
3	6	VUOC	5	6	11	30	0	-	0	0	1	-	∅	∅	-	-	-	-	-	-	-
		BOGAL	60																		
		LITT	20																		
		BAKE	15																		
3	7	OPPO	15	7	10	18	3	-	0	0	1	-	∅	15.3	-	-	-	70	70	-	-
		PIOP	15																		
		MUTO	5																		
		SPEC	5																		
		SITTY	5																		
		ALLO	10																		
		BOGAL	5																		
		BAKE	25																		
		LITT	10																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 25 Date Surveyed 15 July 1999Surveyed / Recorded by D. Hanni, C. Farley, S. Caulkins

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	8	OPPO	30	8	14	19	2	-	0	0	0	-	0	11.5	-	-	-	PERCENT	-	-	
		SPO	5																		
		ARLO	5																		
		CANE	1																		
		VOOC	5																		
		EREF	10																		
		BOGR	15																		
		BAKE	20																		
		LITT	10																		
3	9	ASDX	5	7	21	16	1	-	0	0	0	-	0	9.5	-	-	-	-	-	30.35	
		VOOC	5																		
		SPO	5																		
		BOGR	55																		
		LITT	20																		

Transect/point

Comments

3/8ANT HILL REPORT OF 7

### Transect 3

Surveyed / Recorded by D. Hanni, C. Farley, S. Caulkins

[illegible]

Transect/point	Comments
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This transect's center is at trap site 46. The bearing is 17°. The points run west to east, with #1 at the westernmost point.

Stapp Field Studies / Small Mammal Webs/ Veg on Webs - data sheet

Web 26, p. 1 of 6

Transect 1

SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Web 26 Date Surveyed 15 July 1999

Surveyed / Recorded by L. Hartley, L. Lentz

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs small	3m ATCA	3m # mounds ant	3m # mounds gopher	3m # > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub						gopher mound	ant mound		L	W	H	ant L	ant W	gopher L	gopher W
45 1	1	Agsm	25	9.2	21.1	22.7	2	NA	0	0	0	NA	14.65	-	NA	NA	NA	-	-	60	40
		Bagr	30																		
		Thtr	5																		
		Ecvl	1																		
		Spcr	1																		
		Litter	15																		
		Bare	25																		
1	2	Spcr	5	8.0	6.0	17.0	2	NA	0	0	0	NA	15.3	20.4	NA	NA	NA	31	30	60	40
		Thtr	5																		
		Gusa	5																		
		Asox	1																		
		Bagr	25																		
		Litter	30																		
		Bare	30																		

Transect/point Comments

1-2 Same gopher mound as 1-1

SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 26 Date Surveyed 15 July 1999Surveyed / Recorded by L. Hartley, L. Lentz

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs		3m # mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	3	Arlo	15	14	12	23	2	NA	0	0	2	NA	14.1	17.65	NA	NA	NA	140	130	130	50
		Spc0	01																		
		Thtr	05																		
		Bogr	15																		
		Bare	25																		
		Litter	35																		
		Spcr	01																		
	4	Agsm	5	5	30	32	1	NA	0	0	0	NA	14.4	13.7	NA	NA	NA	30	25	100	70
		Bogr	15																		
		Arlo	20																		
		Sihy	1																		
		Thtr	5																		
		Litter	25																		
		Bare	35																		

Transect/point    Comments

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

Web 26 Date Surveyed 15 July 1999

Surveyed / Recorded by L. Hartley, S. Caulkins, C. Farley

[illegible]

Transect/point	Comments
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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 26 Date Surveyed 15 JULY 1999Surveyed / Recorded by S. Calkins, D. Hanni, C. Farley

Tran- sect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m 3m # shrubs		3m # mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
<sup>25</sup> 1	6	THR	10					NA				NA			NA	NA	NA				
		BOGR	20																		
		PLAT	1																		
		ALCO	5																		
		BRAC	45																		
		LIT	20	7	10	26	10	—	∅	∅	4	—	12.3	15.6	—	—	—	.50	.35	.48	.45
1	7	SPCO	5																		
		GUSSA	60																		
		THR	5																		
		SPCR	1																		
		VUOL	1																		
		BOGR	5																		
		BRAC	25																		
		LIT	5	8	13	32	12	—	∅	∅	9	—	11.5	21.6	—	—	—	.20	.20	2.3	1.2

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Transect 1

Web 26 Date Surveyed 15 July 1999Surveyed / Recorded by S. Calkins, C. Farley, D. Hanni

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs		3m # mounds		# 3m > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
45	8	OPPO	5																		
		GUSA	10																		
		SFCO	5																		
		CHLI	1																		
		BOGA	55																		
		ALGM	5																		
		VUOL	5																		
		LIFT	25																		
		BAPE	5																		
		SPER	1	36	19	32	7	—	φ	φ	6	—	2.9	10.6	—	—	—	40	.3	.6	1.1
1	9	OPPO	10																		
		ALLO	10																		
		THAL	30																		
		BOGA	5																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 26 Date Surveyed 15 July 1999Surveyed / Recorded by C. Farley, D. Hanni, S. Calkins

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs small	3m ATCA	3m		# 3m > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub			ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
45	9	PERM	1																		
		BAC	15																		
		LIT	25																		
		CAHE	1	12	19	23	1	-	∅	∅	∅	-	10.1	17.3	-	-	-	14	3	2.1	2.0
	10	SIHY	5																		
		CAHE	5																		
		SPCO	10																		
		SPCR	1																		
		THTR	5																		
		BOGL	20																		
		LIT	50																		
		BAPE	10				1	-	∅	∅	∅	-	7.25		-	-	-			24	25

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 26 Date Surveyed 7/15Surveyed / Recorded by D. Hami, D. Leiker, S. Quinnivan

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	ant	gopher
2	6	ALLO	10	9.5	7	28	6	0	1	0	2	Ø	3.75	2.64	—	—	—	35	23	51	48
↓	↓	CHLI	1																		
		BOGR	35																		
		STCO	5																		
		THTR	1																		
		EVGL	1																		
		CAEL	5																		
		LITT	26																		
		BAKE	10																		
↓	↓	SPCR	1																		
2	7	SPCO	5	7	22	21	6	0	0	0	2	Ø	30.8	7.7	—	—	—	57	22	179	91
		THTR	5																		
		BOGR	50																		
		SIHY	1																		

Transect/point Comments

75 6 SPCR HOLE COUNTED AS 73cm BUREAU

SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 26 Date Surveyed 15 July 1999Surveyed / Recorded by D. Hanni, D. Leiker, S. Quinlivan

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	ant	gopher	L	W
2	7	SPCR	1																		
		UTT	25																		
		BAEE	13																		
2	8	THTR	20																		
		SPCR	5																		
		BOGR	35																		
		SIHY	5																		
		VUOL	1																		
		BAEE	10																		
		UTT	24	14	13	30.5	3	0	0	0	1	0	24p	19p	—	—	—	35	41	13	104
2	9	THTR	10																		
		BOGR	30																		
		ARLO	5																		
		SPCR	1																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Transect 2

Web 26 Date Surveyed 15 July 1999Surveyed / Recorded by DH, DL, SQ

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	9	CHL	1																		
		LITT	48																		
		BARC	5	11	5.5	22.5	∅	∅	∅	∅	∅	∅	∅	∅	—	—	—	—	—	—	—
2	10	SPLR	1																		
		ADGRL	40																		
		THTL	1																		
		SPLW	5																		
		SICD	1																		
		ACSM	1																		
		VUOC	1																		
		BARC	10																		
		LITT	40																		
		PLPA	1	6.5	4.5	20	2	∅	∅	∅	∅	∅	18.4	9.1	—	—	—	38	29	11	82

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsTransect 2Web 26 Date Surveyed 15 July 1999

Surveyed / Recorded by \_\_\_\_\_

3m

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs		3m # shrubs		# mounds	> 3 cm	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher			ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	5	Thtr	5	Sihy 12.5	Thtr 29	Eret 18	09	0	0	2	0	0	NA	1.0	12.0	NA			52	36	122	60
		Gusa	5																			
		Bogr	35																			
		Spcr	5																			
		Bare	15																			
		Litter	40																			
		Sihy	5																			
2	4	Gusa	25	Carex 6.5	Thtr 27	Chul 19	9	0	0	0	0	0	NA	3.7	5.9	NA			68	41	125	46
		Sihy	10																			
		Agsm	5																			
		Bogr	5																			
		Oppo	5																			
		Spcr	1																			
		Carex	1																			

Transect/point    Comments

75-5    gopher mounds not distinct

? can we count mounds twice if they are the nearest for 2 pts,?



SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Transect 2

Web 26 Date Surveyed 15 July 1999Surveyed / Recorded by L. Hartley, C. Farley

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m # shrubs		3m # mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	I.	W	II	ant L	ant W	gopher L	gopher W
2	4	Bare	30																		
		Litter	20																		
		Arlo	1																		
2	3	Speco	5	12	9	17	1	NA	0	0	5	NA	27.3	4.6	NA	NA	NA	68	41	155	61
		Bogr	20																		
		Sptr	10																		
		Carex	5																		
		Bare	40																		
		Litter	20																		
2	2	Thlr	5	25	3	26	3	NA	0	0	4	NA	3.6	34.4	NA	NA	NA	46	48	270	135
		Speco	5																		
		Bogr	10																		
		Asox	5																		
		Gusa	5																		

Transect/point Comments

- ? 75/3 Same ant mound as pt 4,  
 75/2 no distinct gopher mound in 25m radius, we measured what may have been gopher mound  
 but is now probably occupied by sptr



SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 26 Date Surveyed 15 July 1999Surveyed / Recorded by L. Hartley, C. Farley

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			1m 3m		# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	2 (cont)	Carex	5																				
		Buda	30																				
		Bare	5																				
		Litter	30																				
		Arlo	1																				
2	1	Spro	5	Buda 15	Asol 21	Gusa 21	3	0	0	0	3		NA	12.8	24.6		NA	NA	NA	46	48	270	130
		Agsm	1																				
		Bogr	20																				
		Buda	5																				
		Piop	1																				
		Bare	55																				
		Litter	10																				

Transect/point      Comments

1Same ant mound as 2, same gopher mound as 2

30574-254

Stapp Field Studies / Small Mammal Webs/ Veg on Webs - data sheet

Web 26, p. 1 of 5  
transsect  
03SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 26 Date Surveyed 7/15/99Surveyed / Recorded by KM & KW

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	1	BOGR	45	7	20	24	6	/	0	0	1	/	15.9	0	/	/	/	0	0	.57	.54
		CAHE	1																		
		LiH	40																		
		BARE	20																		
3	2	THTR	15	11	9	17	8	/	0	0	0	/	11.6	0	/	/	/	0	0	.62	.66
		SPO	5																		
		BOGR	15																		
		BARE	10																		
		LiH	55																		
3	3	THTR	20	25	13.5	9	3	/	0	0	8	/	.45	0	/	/	/	0	0	.47	.45
		ARLO	5																		
		BOGR	10																		
		STHY	5																		
		SPO	1																		

\* note, some  
sheets  
have mounds in  
(m)  
and  
some  
are  
in  
(cm)  
pay  
close  
attention

Transect/point

Comments

Start @ INWest

End @ 105 East



SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 26 Date Surveyed 7/15/99Surveyed / Recorded by K.L. Winkelman Kinkadee

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	3	BARE	5	29	14	25	0	/	0	2	4	/	2.45	2.45	/	/	/	37	34	65	57
		Litt	55																		
3	4	SPCO	5																		
		THTR	5																		
		STHY	10																		
		BOGR	20																		
		Litt	50																		
		BARE	5																		
3	5	SPCO	10	7	5	8	7	/	0	0	1	/	14.5	0	/	/	/	0	0	79	46
		BOGR	35																		
		Litt	35																		
		STHY	5																		
		BARO	15																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 15 July 1999Surveyed / Recorded by D. Leiker, S. Quinn

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	6	THTR	20	9.6	11	24	Ø	Ø	Ø	Ø	3	/	24.1	/	/	/	/	/	/	75.5	28
		BOGR	5																		
		BUDA	50																		
		BARE	20																		
		LITT	5																		
		CAEL	1																		
3	7	CAEL	5	22.5	22	13	3	Ø	Ø	Ø	Ø	/	19.8	21.1	/	/	/	46	46	20	55
		BOGR	40																		
		THTR	5																		
		VUOC	1																		
		BARE	20																		
		LITT	29																		
3	8	THTR	5	7.2	26.5	13.8	8	Ø	1	Ø	1	/	25	2.75	/	/	/	7	6	99.5	74
		ARLO	10																		

Transect/point Comments

3-6 → At pt. 6 - no ant mounds w/in 20 m., vuoc counted was standing dead material (pt. 7, 8)

3-8 Ant mound more of an ant hill!



SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webstransect  
~~05~~ 03Web 27 Date Surveyed 15 July 1979Surveyed / Recorded by D.L. & S.Q.

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	8(cont)	GUSA	40																		
		VUOC	1																		
		BOGR	10																		
		SIHY	5																		
		SPCO	1																		
		BARE	5																		
		LITT	23																		
3	9	VUOC	5	11.2	26	39	7	Ø	Ø	Ø	1	/	/	27.7	/	/	/	28	31	/	/
		SPCO	1																		
		CAREX	5																		
		THTR	5																		
		BOGR	35																		
		LITT	34																		
		BARE	15																		

Transect/point      Comments

3-9      VUOC was standing dead

Web 26 Date Surveyed 7/15/99

Surveyed / Recorded by K. J. O'Donoghue K. Maclean

[illegible]

Transect/point	Comments
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Web 27, p. 1 of 6  
17

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

S. Calkins

Web 27 Date Surveyed 7-15-99

Surveyed / Recorded by K. L. Harman & K. MacLean

[illegible]

Transect/point	Comments
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SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

S. Colkins

Web 27 Date Surveyed 7/15/99Surveyed / Recorded by K. Workman K. MacLean

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	3	CEAL	5	13	26	26	21	/	0	7	0		5	4.4				37	32	50	60
		ARFR	40																		
		BARE	20																		
		BOGR	5																		
		THTR	5																		
		LH	5																		
1	4	STCO	15	9	9	26	24	/	0	8	2	/	9	11.8				31	35	48	50
		BARE	45																		
		LH	10																		
		THTR	5																		
		LEDE	1																		
		ARFR	5																		
		CEAL	1																		
		CANE	5																		

Transect/point    Comments

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S. Calkins, K. Woodmansee  
K. Maclean

Surveyed / Recorded by K. Maclean

[illegible]

Transect/point	Comments
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W - East  
10

## Stapp Field Studies / Small Mammal Webs/ Veg on Webs - data sheet

Web 27, p. 4 of 6  
T1

45

SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 21 Date Surveyed 7-14-99Surveyed / Recorded by L. Lentz

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	5	Ar fr	25	15	44	75	15	/	0	0	2	/	5.6	13.6	/	/	/	32	48	50	60
		Th tr	5																		
		Bogn	10																		
		Litter	30																		
		Bare	30																		
2	6	Ar fr	25	6	7	17	24	/	0	0	0	/	3.3	11.3	/	/	/	47	46	60	60
		Th tr	5																		
		Ar lo	5																		
		St co	20																		
		Sp co	1																		
		Litter	32																		
		Bare	10																		
		Cacl	1																		
		Bogn	1																		

Transect/point Comments

West start @ pt. 1

East End @ pt. 10



SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 7-14-99Surveyed / Recorded by L. Lentz

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	7	Gu sa	15	20	23	10	47	/	0	12	7	/	0	13.5	/	/	/	25	24	71	56
		Ar fr	5																		
		Qa el	5																		
		Th tr	20																		
		Sp cr	1																		
		Bo gn	5																		
		Bare	45																		
		Li Her	14																		
1	8	Ar fr	50	7	12	3	39	/	0	6	6	/	1.5	10.65	/	/	/	40	36	68	110
		Ar lo	10																		
		Op po	5																		
		Bo gn	5																		
		Sp cr	5																		
		Bare	5																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 7-14-99Surveyed / Recorded by L. Lentz K. Woodmansee

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
1	8 con.	litter	20	6	24	3	45	/	0	2	1	/	3.5	26.5	/	/	/	20	13	200	95
1	9	Oppo	10																		
		Ar fr	10																		
		Thtr	1																		
		Cael	1																		
		Bsgr	40																		
		Bare	8																		
		litho	30																		
1	10	SPCO	1	11	24	31	45	/	0	0	0	/	5.8	23.8	/	/	/	37	38	1.7	1.2
		ARLO	10																		
		ARFR	30																		
		Bare	5																		
		THTR	5																		
		Lit	45																		

Transect/point    Comments

4 76 157 334



\* Points numbered from W to E. or N to S  
 \* LITT = LITTER

Stapp Field Studies / Small Mammal Webs/ Veg on Webs - data sheet

Web 27, p. 1 of 7

SGS-LTER Monitoring Project  
 Vegetation on Small Mammal Webs

D. Leiker, L. Lentz, K. Woodmansee  
 N. Sneider, L. Hartley, S. Quinlan  
 K. McClean, S. Calkins, C. Farley

Web 27 Date Surveyed 14 July 1999

Surveyed / Recorded by

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	6	SPCO	5	11	23	28	32	/	0	0	1	/	13.5	8.0	/	/	/	46	41	28	1.8
		ARLO	5																		
		SPCR	1																		
		BOGR	5																		
		LITT	35																		
		THTR	10																		
		BARE	10																		
		ARFR	30																		
2	7	BARE	35	6	32	32	14	/	0	0	1	/	8.3	10.5	/	/	/	32	28	1.2	1.3
		LITT	25-30																		
		PSTE	1																		
		ARFR	10																		
		OPPO	5																		
		ARLO	15																		

Transect/point

Comments

2-7

PSTE MUNCHED DOWN, RABBIT FORM IN GOPHER DISTURBANCE UNDER ARFR

## Stapp Field Studies / Small Mammal Webs/ Veg on Webs – data sheet

Web 27, p. 2 of 7  
12SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsK. Woodmansee, N. Sneider  
S. Calkins, C. Farley  
K. MacLeanWeb 27 Date Surveyed 14 July 1999Surveyed / Recorded by K. MacLean

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	7	THTR	5	7	24	40	27	/	0	0	0	/	7.8	17.0	/	/	/	.12	.12	1.0	1.9
2	8	OPPO	10																		
		BAPE	40																		
		ARLO	15																		
		SIHY	5																		
		MATA	5																		
		LITT	15																		
		CAHE	1																		
		ARFR	10																		
2	9	OPPO	10	20	27	26	31	/	0	0	0	/	12.2	8.7	/	/	/	.55	.50	.78	.24
		EREF	5																		
		ARFR	1																		
		BOGR	10																		
		LEDE	1																		

Transect/point    Comments

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

Web 27 Date Surveyed 14 July 1999

Surveyed / Recorded by

K. Woodmansee, N. Snelder  
S. Calkins, C. Farley, K. Maclean

[illegible]

Transect/point	Comments
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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 14 July 1999Surveyed / Recorded by S. Calkins, C. Farley, K. Maclean  
N. Sneider, K. Woodmansee

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
2	10	ARFR	30	7	29	17	42	/	0	1	2	/	2.36	5.40	/	/	/	.48	.48	1.0	.82
		THTR	5																		
		ARLO	1																		
		BOGR	5																		
		BARE	25																		
		LITT	35																		
2	5	LEDE	1	60	20.5	20.2	34	/	0	0	0	/	13.44	9.45	/	/	/	1.6	1.6	3.3	1.9
		THTR	10																		
		OECA	1																		
		ARFR	5																		
		COW Pat	30																		
		BOGR	10																		
		ARLO	1																		
		BARE	40																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed July 15, 1999Surveyed / Recorded by L. Lentz N. Sneider

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	ant W	L	gopher W
2	5	LITT	5																		
2	4	STCO	5	86	23	27	26	/	1	2	7	/	7.0	16.3	/	/	/	1.7	1.5	4.2	2.7
2		ArFR	15																		
		AGSM	1																		
		ARIO	10																		
		SIHI	1																		
		SPCO	5																		
		THTR	5																		
		BOGR	30																		
		BARE	15																		
		liH	15																		
2	3	EREF	25	20.2	20.4	4	26	/	0	0	0	-	10.5	8.5	/	/	/	1.5	1.0	.8	.6
		THTR	20																		
		BARE	20																		

Transect/point      Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 15 July 1999Surveyed / Recorded by L. Lentz, N. Schneider

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
Cont.	2	3	BOGR	15																	
			LITT	30																	
			SPCR	1																	
			CAHE	1																	
	2	2	GUSA	10	8	28	31	21	/	0	0	/	11.4	10.3	/	/	/	1.5	1.3	1.0	1.0
			THTR	20																	
			SPCO	5																	
			ARLO	10																	
			BOGR	15																	
			LEDE	1																	
			OPPO	5																	
			BARE	10																	
			LITT	25																	
			SPCR	1																	

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 15 July 1999Surveyed / Recorded by L. Lentz, N. Snrider

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	ant L	W	gopher L	W
2	1	OPPD	10	1.5	18	1.5	36	/	0	1	1	/	4.4	22.4	/	/	/	.90	.80	1.0	1.0
		CATE	1																		
		GVSA	1																		
		ARFR	15																		
		BOGR	25																		
		THTR	1																		
		SPCR	5																		
		STCO	1																		
		LITT	30																		
		BARE	10																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 15 July 1999Surveyed / Recorded by L. Lentz, N. Snider

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	1	ARFR	1	10.2	20.5	10.3	24	/	0	1	0	/	17.9	43	/	/	/	1.5	1.5	2.3	1.1
		THTR	1																		
		GUSSA	5																		
		BOGR	45																		
		BARE	10																		
		LITT	40																		
3	2	GUSSA	45	6	20	29	18	/	0	4	3	/	8.6	21.8	/	/	/	1.1	.80	1.95	1.5
		OPPD	15																		
		THTR	5																		
		BOGR	5																		
		BARE	10																		
		SPCR	5																		
		LITT	15																		
		SPCD	1																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 15 July 1999Surveyed / Recorded by L. Lentz, N. Snider

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	3	ARLO	20	20.2	30.2	20.1	32	1	0	2	0	1	5.1	3.5	1	1	1	1.1	1.0	1.2	.60
		ARFR	15																		
		THTR	1																		
		BOGR	20																		
		BARE	10																		
		LITT	35																		
3	4	SPCO	5	20.2	.4	10.1	19	1	0	2	2	1	18.4	19.5	1	1	1	1.0	.52	1.3	.80
		StCa	10																		
		OPPO	5																		
		ARID	5																		
		BOGR	25																		
		BARE	30																		
		LITL	20																		
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed July 15, 1999Surveyed / Recorded by L. Lentz N. Sneider

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	5	OPPO	15	20.5	27	3	12	/	1	3	1	/	7.3	10.0	/	/	/	1.10	1.2	.90	1.0
		SPCR	15																		
		ARIO	10																		
		BOGR	10																		
		BARE	30																		
		LITT	20																		
		SYHI	1																		
3	6	THTR	10	10.5	6.0	6.0	9	/	0	4	1	/	3.1	3.8	/	/	/	1.9	1.8	1.7	1.0
		SPCR	1																		
		BOGR	15																		
		SPCR	1																		
		COCA	1																		
		BARE	25																		
		LITT	25																		

Transect/point      Comments

Tons of sm. ant hill combined into 1



SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 15 July 1999Surveyed / Recorded by N. Sneider, L. Lenz

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	ant L	W	gopher L	W
3	7	ARFR	20	11	25.5	17.5	42	/	0	4	1	/	6.0	7.3	/	/	/	1.3	1.5	2.2	1.3
		EREF	15																		
		BOBR	5																		
		SPRO	1																		
		SPCR	5																		
		BAPE	40																		
		LIFT	10																		
		ARLO	5																		
38		JHTR	15	4	19	15	43	/	0	2	0	/	4.2	11.5	/	/	/	1.3	1.2	1.4	1.1
		ARFR	15																		
		ARLO	5																		
		SPRO	1																		
		CAHE	1																		
		BOBR	15																		

Transect/point

Comments

3/7

Veg quadrat may have been taken on an old gopher mound (nes)

Web 27 Date Surveyed 15 July 1999

Surveyed / Recorded by N. Sneider, L. Lentz

[illegible]

Transect/point	Comments
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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 7/15/99Surveyed / Recorded by K. L. Hurdman & K. M. Carlson

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
3	9	THTR	16	8	11	23	16	/	0	3	2	/	1.1	15.1	/	/	/	34	40	20	30
		ARFR	5																		
		STCO	5																		
		SPCO	1																		
		BOGR	15																		
		ARLD	5																		
		OPPO	5																		
		LHT	20																		
		BORE	25																		
3	10	ARLD	20	30	21	16	25	/	0	2	0	/	5.25	16.8	/	/	/	31	30	90	70
		BOGR	10																		
		SIAY	5																		
		ARFR	20																		
		THTR	1																		

Transect/point    Comments

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Web 27 Date Surveyed 15 July 1999

Surveyed / Recorded by N. Snieder, L. Lentz

[illegible]

Transect/point	Comments
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14

SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

Seakins

Web 27 Date Surveyed 7/15/99Surveyed / Recorded by K. Whitham K. Murchison

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
4	1	OPPO	5	10	23	16	19	/	/	3	2	/	2.1	3.165	/	/	/	30	35	160	61
		UNK1	5																		
		LEDE	1																		
		BOGP	15																		
		STCO	15																		
		THTR	10																		
		CAHE	5																		
		BAER	10																		
		LIT	35																		
4	2	ARFR	45	8	27	21	27	/	0	1	0	/	23	8.4	/	/	/	40	35	63	39
		THTR	5																		
		SPCO	1																		
		BOGP	10																		
		LIT	20																		

Transect/point

Comments

Start NW corner

End SE corner @ 10

SGS-LTER Monitoring Project  
Vegetation on Small Mammal Webs

T4

S. Calkins

Web 27 Date Surveyed 15 July 1999Surveyed / Recorded by K. Wadmonse K. Maclean

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
4	2	ARLO	5																		
		BOGR	5																		
		SOCR	5																		
4	3	CAAC	5	3	24	18	23	/	0	3	5	/	0	14.1	/	/	/	20	20	70	30
		HTTR	10																		
		BOVE	60																		
		TOGR	1																		
		GUSS	5																		
		ARLO	10																		
		BOGR	10																		
		LITH	20																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 15 July 1999Surveyed / Recorded by K. W. Rodman & K. Maclean & S. Calkins

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (cm)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
4	4	GUSA	5	18	11	5	9	/	0	0	0	/	7.7	13.5	/	/	/	18	24	100	59
		ARTR	5																		
		SPCO	1																		
		OPPO	5																		
		BUDA	10																		
		LIN	20																		
		BARE	30																		
		BOGR	10																		
		STCO	5																		
		CANE	1																		
4	45	AGSM	1	9	6	24	13	/	0	6	6	/	.65	5.4	/	/	/	22	21	85	60
		OPPO	5																		
		THTR	15																		
		BOGR	15																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 7/15/99Surveyed / Recorded by Kilbuck & K MacLean G. Perkins

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
4	75	ARLD	10																		
		WTH	30																		
		BARO	20																		
4	56	THTR	15	7	24	35	8	/	0	0	2	/	4.3	7.9	/	/	/	38	30	50	15
		CAHE	5																		
		BOGR	30																		
		BARO	15																		
		Litt	25																		
4	77	UNKI	20	11	20	18	11	/	0	8	10	/	1.5	38.9	/	/	/	30	32	100	15
		BOGR	1																		
		ARLD	1																		
		Litt	5																		
		CAHE	1																		
		BARO	75																		

Transect/point    Comments

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T4

SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 15 July 1977Surveyed / Recorded by V. Whitehouse & Markham S. Pulling

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
4	8	HTTR	10	5	20	8	12	/	0	4	9	/	1.3	15.2	/	/	/	10	10	70	50
		ARLO	30																		
		LiH	30																		
		BAPE	20																		
		SPCO	1																		
		ALSM	1																		
		ARFR	5																		
		BOGR	5																		
		CAHE	1																		
		SPCR	1																		
4	9	PSTE	20	13	24	23	15	/	0	0	4	/	1.6	17.2	/	/	/	20	15	30	30
		EREF	5																		
		UNK2	10																		
		OPPO	5																		

Transect/point    Comments

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SGS-LTER Monitoring Project  
Vegetation on Small Mammal WebsWeb 27 Date Surveyed 15 July 1999Surveyed / Recorded by K. L. Whitham, K. MacLean, S. Calkins

Transect (1-3)	Point (1-10)	Species	% Cover	(cm) height			# shrubs		# mounds		# > 3 cm bur	Distance (m) to			ATCA dim. (cm)			Mound dim. (m)			
				grass	forb	shrub	small	ATCA	ant	gopher		ATCA	gopher mound	ant mound	L	W	H	L	W	L	W
4	9	ARLO	30																		
		LIT	20																		
		BARE	1																		
		RYGR	5																		
		STCO	5																		
		SPCO	1																		
4	10	THIR	10	8	8	16	4	/	0	5	0	/	1.2	21.6	/	/	/	20	27	25	30
		BOGR	25																		
		OPPO	5																		
		ARLO	10																		
		BARE	30																		
		LIT	20																		

Transect/point      Comments

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