

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 23 July 2001

Surveyed / Recorded by L. Hartley, B. Brown, D. Welch

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	mound	L	W	H	L	W	L
2001	25	2	1	Oppo	15	Bogr 10.5	Linn 10	Gusa 16	0	0	0	0	0	NA	>50	>50	>50	NA			NA			
				Spc0	1																			
				Vuoc	1																			
				Arlo	15																			
				Bogr	40																			
				Cahe	1																			
				Bare	15																			
				Litt	15																			
				Lede	1																			
2001	25	2	2	Piop	5	Bogr 4	Piop 3	Gusa 19	0	0	0	0	0	NA	>50	36.5	36.8	NA			105	86	106	90
				Spc0	1																			
				Vuoc	1																			
				Cahe	5																			
				Bogr	40																			
				Bare	25																			
				Litt	25																			
2001	25	2	3	Piop	5	Bogr 4	Piop 5	Gusa 22	0	0	0	0	1	NA	>50	28.3	28.3	NA			105	86	106	90
				Bogr	75																			
				Vuoc	5																			
				Bare	10																			

Same hour
Same mound

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

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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	W	L	W
2001	25	2	4	Vuoc	5	Arlo 28	Spro 6	Eref 18	0	0	0	0	0	>50	6.9	20.3	NA			89	60	106	90
				Cake	5																	Same as for pt 3	
				Bogr	55																		
				Pach	1																		
				Bare	20																		
				Litt	15																		
2001	25	2	5	Ppop	1	7 Bogr	Ppop 8	14 Gusc	0	0	0	0	0	>50	9.1	15.5	NA			89	60	106	90
				Shy	5																	Same as above	
				Cake	1																		
				Buda	35																		
				Bogr	30																		
				Bare	20																		
				Litt	5																		
2001	25	2	6	Aspx	1	Bogr 2.5	Lede 15	Eref 22	0	0	0	0	0	>50	19.7	17.0	NA			105	86	106	90
				Spro	1																	Same as pt. 3	
				Lede	1																		
				Vuoc	1																		
				Cake	40																		
				Bogr	15																		
				Buda	15																		

Bare 15

Litt 10

Date Surveyed 23 July 2001

Surveyed / Recorded by L. Hartley, B. Brown, D. Welch

[illegible]

Date Surveyed 23 July 2001

Surveyed / Recorded by L. Hartley, B. Brown, D. Welch

[illegible]

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

Date Surveyed 23 July 2001

Surveyed / Recorded by L. Hartley, B. Brown, D. Welch

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
2001	25	3	1	Gusa	1	Bogr 4.2	Spro 6	Eref 17.5	0	0	0	0	0	>50	27.5	>50	NA			90	85	NA	
				Cahe	5																		
				Buda	65																		
				Vuoc	1																		
				Bogr	10																		
				Bare	5																		
				Litt	10																		
2001	25	3	2	Oeco	1	Bogr 5	Spro 5	Eref 14	0	0	0	0	0	>50	16.1	>50	NA			90	65	NA	
				Vuoc	1																		
				Plpa	1																		
				Cahe	5																		
				Spro	5																		
				Pach	1																		
				Bare	35																		
				Litt	5																		
				Bogr	50																		
2001	25	3	3	Spro	5	Bogr 7	Lede 9.5	Eref 24.5	3	0	0	0	0	>50	4.6	>50	NA			90	65	NA	
				Lede	1																		
				Vuoc	1																		
				Cahe	5																		

Bogr 25
Buda 25
Bare 20
Litt 15

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 23 July 2001Surveyed / Recorded by L. Hartley, B. Braun, D. Welch

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 mound	ant gopher mound	L	W	H	L	W	L	W	
2001	25	3	4	Oppo	5	Bogr 6.6	Lede 9.5	Eref 18.5	0	0	0	0	0	>50	4.3	>50	NA			90	65	NA	
				Arlo	1																		
				Spc0	1																		
				Pach	1																		
				Vuac	5																		
				Cahe	5																		
				Bogr	30																		
				Litt	15																		
				Bare	40																		
2001	25	3	5	Bogr	50	Vuac 9	Lede 9.5	Chu 23	1	0	1	0	1	>50	1.3	>50	NA			83	84	NA	
				Piop	1																		
				Pach	1																		
				Vuac	5																		
				Bare	40																		
				Litt	5																		
2001	25	3	6	Spc0	10	Arlo 30	Lede 13	Eref 21	0	0	0	0	1	>50	12.3	20.1	NA			83	84	85	56
				Vuac	5															Same as plot 5			
				Pipa	1																		
				Lede	1																		
				Arlo	15																		

Buda 25
Pach 1
Bare 30
Litt 10

Date Surveyed 23 July 2001

Surveyed / Recorded by N. Kaplan & N. Crall

[illegible]

Date Surveyed 23 July 2001

Surveyed / Recorded by Nicole Koplow, Nicholas Groll

[illegible]

Date Surveyed 20 July 2001

Surveyed / Recorded by N. Kaplan, N. Gail, D. Carter

[illegible]

Date Surveyed 20 July 2001

Surveyed / Recorded by N. Kadan, N. Cross, D. Carter

[illegible]

Date Surveyed 20 July 2001

Surveyed / Recorded by N. Kaplan, N. Crall, D. Canter

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal WebsDate Surveyed 7/20/2001Surveyed / Recorded by J. Becksted, P. Vermeulen, D. Welch

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 mound	ATCA	ant mound	gopher mound	L	W	H	Ant L	gopher L	W
2001	26	1	8	AKLO	15																			
				SIHY	5																			
				THTR	10																			
				VUOC	5																			
				SPCO	10																			
				SPCR	10																			
				BOGR	25																			
				EREF	10																			
				CHLE	1																			
				BARE	10																			
				LITT	5	VUOC 8	LIEM 12	AKFR 15	2		0	0	0		20.10	3.50					50	45	29	78
2001	26	1	7	AKLO	20																			
				THTR	5																			
				SPCO	5																			
				VUOC	5																			
				SIHY	5																			
				BOGR	25																			
				BARE	10																			
				LITT	25	AKLO 16	SPCO 8	EREF 16	2		0	0	1		15.56	8.20					50	45	110	90

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 7/20/01Surveyed / Recorded by J. Beckwith, P. Vermeulen, D. Welch

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	dim. (cm) L W H	Ant L W	gopher L W		
2001	26	1	10	VUOC	5																		
				THTR	5																		
				CAHE	10																		
				BOGR	40																		
				SPCO	5																		
				LEDE	1																		
				BAKE	15																		
				LITT	25																		
						BOGR 16	SPCO 7	GUSX 21	3		0	0	4		NA w/in 50m	1.6							118 64
2001	26	1	9	SPCO	5																		
				CAHE	5																		
				SPCR	10																		
				BOGR	40																		
				VUOC	1																		
				ASOX	1																		
				THTR	1																		
				BAKE	10																		
				LITT	30																		
						BOGR 9	THTR 4	LEDE 16	5		0	1	2		NA w/in 50m	3.5							58 64

Date Surveyed 23 JULY 2001

Surveyed / Recorded by J. ZIMMERMAN + D. CANTER

[illegible]

Date Surveyed 23 JUL 2001

Surveyed / Recorded by J. ZIMMERMAN + D. CANTER

[illegible]

Date Surveyed 23 July 2001

Surveyed / Recorded by N. Kaplan, N. Crall

[illegible]

Date Surveyed 23 July 2001

Surveyed / Recorded by N. K. Sharma, H. Singh

[illegible]

Cane	1
Bog	20
Bare	30
Litt	30

Date Surveyed 23 JULY 2001

Surveyed / Recorded by J. ZIMMERMAN & D. CANTER

[illegible]

Date Surveyed 23 July 2001

Surveyed / Recorded by J. ZIMMERMAN & P. CANTER

[illegible]

Date Surveyed 23 July 2001

Mammal Webs
 Surveyed / Recorded by N. Kaplan, N. Wolf

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal WebsDate Surveyed 23 July 2001Surveyed / Recorded by N. Kaplan, N. Crall

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	W	L	W
2001	26	3	8	Vuoc	5	-	15	29.5	5	N/A	0	3	3	N/A	28	1.3	N/A			169	110	65	48
				Thtr	5																		
				Spco	5																		
				Cahe	1																		
				Boyr	30	8																	
				Bare	15																		
				Litt	40																		
2001	26	3	7	Gusa	20	-	-	22	6	N/A	0	2	1	N/A	18	2.7	N/A			169	110	59	40
				Thtr	1																		
				Chle	1		9																
				Spco	1																		
				Vuoc	1																		
				Cahe	5																		
				Boyr	35	5																	
				Bare	15																		
				Litt	25																		
2001	26	3	6	Gusa	30	29 Agsm	6.5 Chle	23 Arfr	10	N/A	0	0	0	N/A	8.5	6.7	N/A			169	110	81	89
				Lede	1																		
				Vuoc	1																		
				Spco	1																		
				Thtr	1																		
				Cahe	1																		
				Boyr	25																		
				Bare	15																		
				Litt	25																		

Thtr 1
Cahe 1
Boyr 25
Bare 15
Litt 25

Date Surveyed 23 July 2001

Surveyed / Recorded by[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 20 July 2001Surveyed / Recorded by N. Kaplan

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	L	W	H	L	W	L	W
2001	27	1	1	Thtr	20	10 cane	10	—	7	N/A	0	10	0	N/A	19.6	0	N/A	N/A	N/A	46	29	170	80
				Oppo	5																		
				Arlo	10																		
				Bogr	20																		
				Chle	1																		
				Arfr	1			25															
				Sihy	10																		
				Bare	15																		
				Litt	20																		
2001	27	1	2	Arlo	15	—	—	—	3	N/A	0	2	2	N/A	18.3	1.0	N/A			46	29	110	200
				Sihy	10																		
				Cane	5	11	12 spco	19.5 Gusa															
				Oppo	5																		
				Thtr	10																		
				Bogr	25																		
				Bare	20																		
				Litt	10																		
2001	27	1	3	Oppo	5	—	—	—	12	N/A	0	5	1	N/A	16.5	3.0	N/A			60	55	110	55
				Pipa	1																		
				Cane	10																		

Bogr 30 8.5 spco Erek
 Thtr 5 6.0 212
 Gusa 5
 Litt 35
 Bare 30

SGS-LTER Monitoring Project
Vegetation on Small Mammal WebsDate Surveyed 20 July 2001Surveyed / Recorded by N.E. Kaplan, D. Welch, N. Crall
D. Canter

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 mound	ant	gopher mound	L	W	H	L	W	L	W
2001	27	1	4	Oppo	10	29 agsm	—	29 arfr	4	N/A	0	5	0	N/A	15.9	.80	N/A			160	155	130	45
				Spcd	1		5.5																
				Arlo	10																		
				Cahe	10																		
				Bogr	30																		
				Thtr	1																		
				Vuoc	1																		
				Bare	20																		
				Litt	20																		
2001	27	1	5	Vuoc	1	10 Arlo	19.5 gaco	—	11	N/A	0	2	0	N/A	13.9	2.3	N/A			95	92	35	35
				Thtr	5																		
				Arfr	1			24															
				Cahe	5																		
				Bogr	50																		
				Litt	25																		
				Bare	15																		
2001	27	1	6	Lede	1	18 Agsm	4.5 Spcd	21.5 Eret	13	N/A	0	3	1	N/A	5.4	0.5	N/A			95	80	55	21
				Gusa	10																		
				Bogr	10																		
				Thtr	5																		

Spcr 1
Bare 50
Litt 20
Sihy 5

SGS-LTER Monitoring Project
Vegetation on Small Mammal WebsDate Surveyed 20 July 2001Surveyed / Recorded by N.E. Kaplan, N. Crall, D. Carter, D. Welser

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 mound	ant mound	gopher mound	L	W	H	L	W	L	W
2001	27	1	7	Oppo	10	—	—	23 Opif	2	N/A	0	3	0	N/A	7.7	1.6	N			120	110	20	20
				Sihy	5																		
				Thtr	5		16																
				Cane	5																		
				Bare	5																		
				Litt	25																		
				Boyr	45	8.0																	
2001	27	1	8	Stco	15	—	17 thtr	17.5 gusa	9	N/A	0	8	0	N/A	6.5	2.2	N			80	80	90	60
				Arlo	10	15																	
				Cane	5																		
				Boyr	25																		
				Litt	20																		
				Bare	20																		
2001	27	1	9	Stco	15	86	6.5 MIL	—	6	N/A	0	0	0	N/A	6.75	6.55	N			80	80	80	30
				Arlo	25																		
				Lede	1																		
				Thtr	1																		
				Oppo	1																		
				Arfr	1			255															
				Socr	1																		

Boyr 15
Litt 25
Bare 20

Date Surveyed 20 July 2001

Surveyed / Recorded by A. Kaplan, N. Crall, D. Carter, O. Welsh

[illegible]

Trap # 85 Bearing S1

205/5 2001

Web 27^{NE}, p. 1 of 5
T 2

Surveyed / Recorded by I H. H.

Year	Web	Tran-sect (1-3)	Point (1-10)	Species	% Cover	(cm) height grass forb shrub	# shrubs w/in 1m small ATCA	# mounds w/ in 3m ant gopher	# bur > 3 cm w/in 3m	Distance (m) to nearest ant gopher mound	ATCA dim. (cm) L W H	Mound dim. (cm) Ant L W
2001	27	2	1	Opop	5	17	6	0	5	NA	NA NA NA	110 76
				Speco	5	23	NA	1		7.5	NA NA NA	100 76
				Arb	10							
				Thr	10	10						
				Bogr	25							
				Litter	20							
				Bare	25							
				Leaf	1							
2001	27	2	2	Opop	20	—	19	0	3	NA	8.58 6.14 NA NA NA	82 73 133 57
				Cake	5							
				Arfr	1							
				Bogr	15							
				Lele	1							
				Speco	1							
				Thr	1							
				Sten	5	13.1 8.9	9					
				Litter	15							
				Bare	35							

1
2
3
4

Trap # 85 Bearing 51

P. Stapp, 4/98

Web 27^{NE}, p. 1 of 5
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SGS-LTER Monitoring Project Vegetation on Small Mammal Webs

Date Surveyed 20 July 2001

Surveyed / Recorded by L. Hartley, J. Zimmerman, P. Vermuelen, J. Becksted

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 20 July 2001Surveyed / Recorded by L. Hartley, P. Vermorel, J. Becksted, J. Zimmer

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
2001	27	2	3	Thtr	10	✓	2.3	5.2	11	NA	0	1	1	NA	11.5	1.84	NA			88	57	56	42
				Bogr	30	3.9																	
				Arlo	10																		
				Vuoc	1																		
				Bare	25																		
				Litt	25																		
2001	27	2	4	Lede	1	6.3	8.4	12.7	22	NA	0	0	0	NA	5.25	6.85	NA			79	84	149	87
				Thtr	5																		
				Bogr	25																		
				Stco	15																		
				Oppo	5																		
				Cake	1																		
				Litt	20																		
				Bare	25																		
2001	27	2	5	Lede	1	6.6	11.8	14.7	16	NA	0	0	0	NA	6.35	5.25	NA			74	62	70	61
				Thfi	10																		
				Oppo	10																		
				Cake	5																		
				Bogr	15																		
				Arlo	15																		

Sper 1

Arfr 1

Bare 25

Litt 25

1000

1000

1000

1000

1000

1000

1000

1000

P. Vermuelen

Surveyed / Recorded by L. Hartley, J. Zimmerman, J. Backstel

[illegible]

Date Surveyed 20 July 2001

Surveyed / Recorded by L. Hartley, P. Vermuelen, J. Becksted, J. Zimmerman

[illegible]

J. Zimmerman

Surveyed / Recorded by P. Vermuelen, J. Becksted, L. Hartley

[illegible]

SGS-LTER Monitoring Project
Vegetation on Small Mammal Webs

Date Surveyed 20 July 2001Surveyed / Recorded by N. Kaplan, N. Currell, D. Welsh, D. Carter

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
2001	27	3	1	Arlo	30	—	11 lede	7 gusa	11	N/A	0	10	0	N/A	6.4	.87	N/A			68	63	71	67
				Bagr	20	9																	
				Spkr	1																		
				Thtr	1																		
				Cahe	1																		
				Bare	10																		
				Litt	40																		
				Steo	1																		
				Coca	1																		
2001	27	3	2	Oppo	5	18 Arlo	—	22 Erel	4	N/A	0	1	0	N/A	15.5	3.2	N/A			68	63	95	61
				Lede	1																		
				Cahe	5																		
				Bagr	30																		
				Bare	35																		
				Litt	25																		
				Thtr	1																		
2001	27	3	3	Bare	60	—	12 Spco	—	18	N/A	0	0	0	N/A	23.1	5.6	N/A			170	160	85	65
				Arfr	5			18															
				Cahe	1																		
				Bagr	20	10																	

Arlo 10
 Litt 15

Date Surveyed 20 July 2001

Surveyed / Recorded by N. Kaplan, N. Crall, D. Carter, D. Welton

[illegible]

Date Surveyed 20 July 2001

Surveyed / Recorded by L. Hartley, P. Vermeulen, J. Becked, J. Zimmann

[illegible]

Date Surveyed 20 July 2001

Surveyed / Recorded by L. Hartley, J. Zimmerman, J. Becksted, P. Urmawelen

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