

Project Summary Sheet – Year 2006

Project Name Grasshopper Survey on Small Mammal Web
 Project Number 118 & Handed Pittfall Trapping
 Principal Investigator(s) Paul Stapp
 Dates of Data Collection _____
 Plot Names / Specific Location of study area(s) _____

~~Full Names of Data Collectors~~ _____

Names of Associated Files and Databases ARS#118-AYNWeb-Data
ars#118-GH-DATA06.xls 3
WebArth-2006-CSH3.xls

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

<u>date: 5/12/06 - 5/16</u> 26NW 13NW 25NE 13SW 27NE 24NE NO GH	<u>6/5-6/9</u> 13NW 25NE 13SW 26NW 24NE 27NE GH also	<u>7/10 - 7/14</u> 13NW 25NE 13SW 26NW 24NE 27NE GH also	*cont. to enter GH data on ascator
<u>date: 8/7-8/11</u> 13NW 25NE 27NE 13SW 26NW 24NE *31W* GH also Questions and Concerns	<u>9/1-9/5</u> 13NW *31W* 27NE 13SW 25NE 24NE 26NW GH also	<u>9/29-10/3</u> 13NW *31W* 27NE 13SW 25NE 24NE 26NW GH also	

Date copies of data sheets were sent to PI(s) 2/2007
 Date copies of data sheets were sent to SGS-LTER office 2/2007
 Names of any other persons given copies of data sheets
Paul Stapp & JIM office

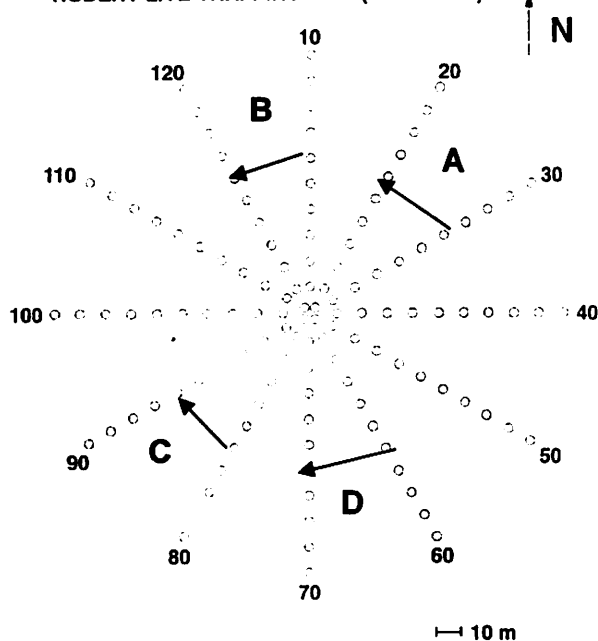
SGS-LTER Monitoring Project

Grasshopper Survey on Small Mammal Webs

Date Surveyed 10/3/06 Surveyed / Recorded by A. Souza
 Ambient Temperature _____ Cloud Cover (0-100%) 70%

Instructions: There are five hoops (1,2,3,4,5) along 4 transects (A,B,C,D) that run between the number 5 trapping stations on adjacent spokes on the web (please see diagram). Walk the transects from east to west trapping station, as shown by the arrows illustrating each transect. As you approach the hoops brush a meter stick over it. Count the number of grasshoppers that jump out and record that number in the correct cell of this data sheet. Be sure to record a zero if there are no grasshoppers in the hoop. Data for all six small mammal trapping webs should be recorded on one data sheet for one sampling date. Please combine the data back at the station if necessary. Remember to measure the ambient temperature and record the percent cloud cover as well.

RODENT LIVE-TRAPPING WEB (124 TRAPS)



Time: 12:45 Temp: 25°C

31W	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

Time: 11:10am Temp: 22°C

13 NW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

Time: 10:30am Temp: 22°C

26 NW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

Time: 11:40am Temp: 23°C

13 SW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

Time: 1:15pm Temp: 26°C

25 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	1	0
	3	0	0	1	0
	4	0	0	0	0
	5	0	0	0	0

Time: 12:10 Temp: 24°C

24 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

Done
CSH

WEB CODE: 26NW

DATE/TIME OPENED: 5/12/06

DATE/TIME CLOSED: 5/16/06

OBSERVERS: _____

CURRENT WEATHER: Sunny, warm

GENERAL WEATHER DURING SESSION: Sunny, warm

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1 ✓					CLCU-1		Corei-1		form-1
A2 ✓		✓							
A3 ✓		✓							
A4 ✓				4					form-5
A5 ✓								Ther-1	
B1 ✓				1			Corei-1		
B2 ✓				1				Ther-1	
B3 ✓								gnaph-1	
B4 ✓				5	CLCU-B				
B5 ✓			ELEX-1	2	cinc-1				
C1 ✓				1					form-1
C2 ✓				2				gnaph-1	form-2
C3 ✓				1	CLCU-1			gnaph-1	
C4 ✓				1	cinc-2				form-3
C5 ✓			elex-1	5				lyco-1	mitas-30
D1 ✓				1				lyco-1	form-1
D2 ✓							Corei-1	thom-1	form-1
D3 ✓								Ther-1	
D4 ✓				10				thom-1 lyco-1	
D5								lyco-1	

32- 41/51 → 61/71

49- 40/30 → 30/10

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

Done
CSH

WEB CODE: 25 ME

DATE/TIME OPENED: 5/12/06

DATE/TIME CLOSED: 5/16/06 1:15

OBSERVERS: _____

CURRENT WEATHER: _____

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp) ✓	Carabidae ✓	Other beetles (list Family) ✓	Orthoptera ✓	Hemiptera ✓	Spiders ✓	Other ✓
A1				1			Corei-1	lyco-1	larvae-1 form-2
A2									form-7
A3			eler-1					Salt-1	form-2 larvae-3
A4			eler-1					Thom-1	form-1 larvae-1
A5									form-3
B1				1					
B2								Salt-1	larvae-1
B3					scarab-1 curev-1		Corei-2	thom-1	form-2 apid-1
B4								lyco-1	apid-1
B5					curev-1	Acrid-1	Corei-1		larvae-2 form-6
C1						Acrid-1			
C2			2. edro		curev-3 melod-2				Larvae-3
C3							Corei-2		larvae-1
C4		✓							
C5							Corei-1	lyco-2	larvae-3 form-2
D1		✓							
D2		✓							
D3								Salt-1	
D4			1- edro	1	curev-2 Cine-1			Salt-1	
D5				2					

36 - 40/30 → 50/60

16 - 60/70 → 70/80

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

Done
CSH

WEB CODE: 13 NW

DATE/TIME OPENED: 5/16/06

DATE/TIME CLOSED: 5/16/06 9:15

OBSERVERS: _____

CURRENT WEATHER: sunny, warm

GENERAL WEATHER DURING SESSION: sunny, warm

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp) ✓	Carabidae ✓	Other beetles (list Family) ✓	Orthoptera ✓	Hemiptera ✓	Spiders ✓	Other ✓
A1					CURCU-2 Cinc-1				form-3 unknown-1
A2				1				ther-1	
A3					curcu-1				unknown-1
A4			EMMV-1	PAEL-1 2	curcu-1				
A5			ELFU-1	PAEL-1 1	curcu-1				form-1 larvae-1
B1		✓							
B2					curcu-2				form-2
E3				1					unknown-1
B4								ther-1	
B5			ELFU-1	2	curcu-1				
C1				3	scarb-1 curcu-3				unknown-1
C2					scarb-2 curcu-1				forms-2
C3				1	curcu-4				same unknown
C4				1	curcu-5			Thom-1 Lyco-1	
C5			ELFU-1 ELOB-1						
D1		✓							
D2					scar-1				Form
D3				1	curcu-1				larvae 1 unknown
D4				1	curcu-2			ther-2	larvae
D5					melod-1			curcu-2	

25-30/70 to 10/20

34-40/50 to 110/90

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

Done
CSH

P. Stapp, 4/98

WEB CODE: 135W

DATE/TIME OPENED: 5/12/06

DATE/TIME CLOSED: 5/16/06 10:15

OBSERVERS: _____

CURRENT WEATHER: sunny, warm

GENERAL WEATHER DURING SESSION: sunny, warm

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			elcv-2						form-2
A2			elhi-1	Pael-1				gnaph-1	form-3
A3			elcv-1	Pael-1	melod-1 1 curcu-3				form-2
A4			elcv-2	2	scarb-1 melod-1			salt-1	larvae-2
A5				1	curcu-7 melod-1			gnaph-1	form-1
B1				2	melod-1			gnaph-1	form-1
B2				1	curcu-5 1 UNKN	gryac-1			larvae-1 form-1
B3					curcu-2 melod-1	gryac-1		salt-1	
B4				Pael-1	melod-1 curcu-1				larvae-2 form-2
B5				2	curcu-4	gryll-1			larvae-1 form-1 aphid-1
C1			elcv-1		curcu-1				form-10
C2				2	melod-1				form-1
C3				2	cinc-2				form-1
C4				2-pael		gryac-1			form-3
C5				2	curcu-2 3 UNKN	gryac-1	pent-1	salt-1 gnaph-1	aphid-1 larvae-2
D1				2	curcu-7			gnaph-1	form-1
D2			Ello-1 eloi-1	1	curcu-1			salt-1	form-3
D3				2	curcu-4			Thom-1 gnaph-1	Apid-2 larvae-1 form-4
D4				2	curcu-2				form-4
D5			elcv						form-13 larvae-1 apid-1

41/41 → 31/41 → 22

70/90 → 90/90 → 34

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

Done
CSH

WEB CODE: 27IVE

DATE/TIME OPENED: 5/12/06

DATE/TIME CLOSED: 5/16/06

OBSERVERS: _____

CURRENT WEATHER: sunny warm

GENERAL WEATHER DURING SESSION: sunny, warm

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1						Acrid-1			form-1
A2		✓							
A3			elot-1						
A4								gnaph-1	
A5				1	moled-2			gnaph-1	form-3
B1						Acrid-1			
B2							corei-1	gnaph-1	form-1
B3				1	curcu-2				larvae-2
B4				1					form-1
B5			emec-1	3	scarb-1 curcu-1			lyco-1	form-2 mite red-2
C1		✓							
C2		✓							
C3								lyco-1	form-1
C4		✓							
C5									form-3
D1			emec-1 unknown		metad-1 curcu-1				apid-1
D2				1	curcu-3			thom-1 gnaph-2	larvae-1
D3				3	curcu-6	gryll-1 Acrid-1			
D4							corei-1	lyco-1 salt-2	form-2 larvae-1
D5				1		Acrid-2			

70/90 → 80/100 - 24

30/40 → 40/50 - 31

SGS-LTER Long-Term Monitoring Project

Arthropod Abundance on Trapping Webs

DONE
CSH

WEB CODE: 24 NEDATE/TIME OPENED: 5/12/06DATE/TIME CLOSED: 5/16/06

OBSERVERS: _____

CURRENT WEATHER: sunny, warmGENERAL WEATHER DURING SESSION: sunny, warm

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1				2					apid-2
A2				2	melod-2		corei-1		
A3				Pael-1	curcu-1			Salt-1	form-2
A4			unknown-collected		melod-1				
A5					curcu-2			Salt-1 ther-1 gnaph-1	
B1				1	melod-6 curcu-1				
B2				4	curcu-1 melod-1				apid-2 red mite-1
B3			elhi-2 unknown-collected	2	curcu-1			gnaph-1 thom-1	apid-1
B4					melod-1 curcu-4	gryll-1			
B5				4	curcu-7 melod-1			ther-1 gnaph-1	
C1					melod-2 curcu-7			lyx-1	apid-6
C2				1					form-1
C3					melod-2				apid-1 form-13
C4			elfu-1 pmmu-1	2	COCC-1 curcu-2		Lygae-5	gnaph-1 thom-1	apid-1
C5			elor-1 elob-1 emco-1	8	curcu-5		Lygae-2	thom-1	mite-red-1 form-2, apid-1
D1			edro-1		melod-1				apid-1
L2				1					form-4
D3			edro-1		curcu-3				apid-2
D4			emco	1	Scarab-1 curcu-2				
D5				2	curcu-1		corei-1		

50/60 → 60/70 - 19

10/20 → 20/30 - 24

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

WEB CODE: 13NW

DATE/TIME OPENED: 29 Sept 2006

DATE/TIME CLOSED: 3 Oct 2006 11:15

OBSERVERS: CSH, AS

CURRENT WEATHER: 22°C cloudy, windy

GENERAL WEATHER DURING SESSION: Sunny, cool

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1									Form-1
A2		✓							
A3					Curcu-1				Pooc-1 Form-1 Larv-1
A4				1					Larv-1
A5									Pooc-1 Larv-1
B1				1					
B2				1					Form-1
B3								Lyco-1	Lepid-1 Form-1
B4									Form-2 Larv-1 Pooc-2
B5									Form-1
C1					Curcu-1			Gnaph-1	Pooc-2
C2		✓							
C3				4					
C4					Curcu-1			Tham-2	Form-2 Dipt-1 Pooc-1 Vesp-1
C5								Ther-1	
D1									Pooc-1
D2			Disturbed						LARV-1
D3		✓	disturbed						
D4								Ther-1	Pooc-1
D5		✓							

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

WEB CODE: 135W

DATE/TIME OPENED: 29 Sept 2006

DATE/TIME CLOSED: 3 Oct 2006

OBSERVERS: CSH, AS

CURRENT WEATHER: 23°C

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1								Ther	Pooc-10 Form-2 Larv-2
A2		✓							
A3								Ther-2	Form-1
A4			ELFV-1						
A5					Curev-5				Form-3
B1									Pooc-1 Form-1
B2		✓							
B3					Curev-4	Gyrac-1			Form-2
B4					Scarab-1 Curev-1				Pooc-1 Form-1
B5				1		Gyrac-1			
C1		✓							
C2								Ther-1	
C3									Lepid-1 Pooc-1
C4									Dipt-1
C5					Meloid-1 Curev-1				Form-7 Pooc-2
D1									Form-2
D2				1					
D3		✓							
D4						Gyrac-1		Lyc-1	
D5					Curev-1				

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

WEB CODE: 24 N E

DATE/TIME OPENED: 29 Sep 2006

DATE/TIME CLOSED: 3 Oct 2006 12:16

OBSERVERS: CSH, AS

CURRENT WEATHER: 24°C

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1					Ceram-1			Gnaph-1	Pooc-1
A2		✓							
A3								Ther-1	
A4				2					
A5								Ther-1	Pooc-1 Form-1
B1						Gyrac-1		Gnaph-1	
B2				1		Lygae-1		Lyco-1	Pooc-1
B3		✓							
B4								Gnaph-1	
B5		✓							
C1				1					
C2	✓								
C3			E110-1						
C4					Curev-1			ther-1	
C5	✓								
D1	✓								
D2	✓								
D3	✓								
D4	✓								
D5	✓								

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

WEB CODE: 31W

DATE/TIME OPENED: 29 Sept 2006

DATE/TIME CLOSED: 3 Oct 2006 12:52

OBSERVERS: AS CSH

CURRENT WEATHER: 25°C

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1					Curv-4			Solp-1	
A2		✓							
A3		✓							
A4					Curv-1				
A5					Curv-1			Ther-1	
B1								Ther-1	
B2					Curv-1				
B3				1	Curv-1				
B4			Elob-1						
B5		✓							
C1			ASPD-1		Curv-1				
C2					Curv-2			Solph-1	mut-1-1
C3		✓							
C4		✓							
C5				1				Thom-1	
D1								gnaph-1	
D2			Elob-1						
D3		✓							
D4					Curv-3				
D5				1					

GENERAL WEATHER DURING SESSION:

[illegible]

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

WEB CODE: 26 NW

DATE/TIME OPENED: 29 Oct 2006

DATE/TIME CLOSED: 3 Oct 2006 10:40

OBSERVERS: CSH, AS

CURRENT WEATHER: 22°C

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1		✓							
A2		✓							
A3					Curcu-1				
A4									Pooc-1
A5								Gnaph-1	Pooc-2
B1									Form-1
B2								Ther-1	
B3					Curcu-1				
B4				1					lepid-1
B5									Pooc-1
C1			ASPO-3		Curcu-2				
C2								solp-1	
C3		✓							
C4									Form-1
C5	✓								
D1	✓								
D2	✓								
D3					Curcu-1			Thom-1	
D4	✓								
D5					Curcu-1			Solp-1	Form-2

SGS-LTER Long-Term Monitoring Project

Arthropod Abundance on Trapping Webs

WEB CODE: 27 NEDATE/TIME OPENED: 29 Sept 2006DATE/TIME CLOSED: 3 Oct 2006 10:04OBSERVERS: CSH ASCURRENT WEATHER: cloudy, windy, 24°CGENERAL WEATHER DURING SESSION: sunny, cool

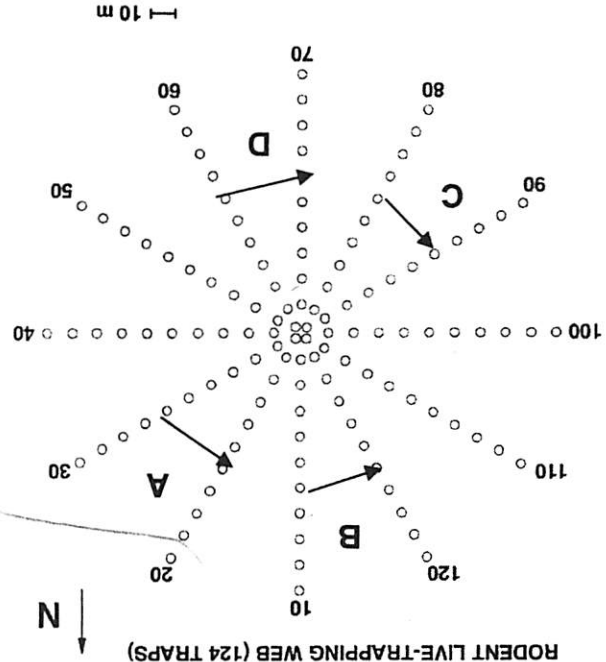
Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1		✓							
A2		✓							
A3			EL03-1						Form-4
A4			EUCO-1 E10A-1		Ceram-1				
A5			EUCO-1 E10A-1						Dipt-1
B1			EUCO-1						
B2									Form-1
B3		X	Disturbed - Cows						
B4					CURCU-1				
B5			EUCO		CURCU-2				
C1			E10A-1						
C2									Form-1
C3									Form-1
C4									Form-6 POOC-2
C5								Ther-1 Thom-1	
D1		✓							
D2			EL03-2		CURCU-3				POOC-1
D3		✓							
D4								Ther-1	
D5					CURCU-1			Ther-1	

SGS-LTER Monitoring Project Grasshopper Survey on Small Mammal Webs

Don

Date Surveyed 6-9-06 Surveyed / Recorded by Chris Compton
Ambient Temperature _____ Cloud Cover (0-100%) 0

Instructions: There are five hoops (1,2,3,4,5) along 4 transects (A,B,C,D) that run between the number 5 trapping stations on adjacent spokes on the web (please see diagram). Walk the transects from east to west trapping station, as shown by the arrows illustrating each transect. As you approach the hoops brush a meter stick over it. Count the number of grasshoppers that jump out and record that number in the correct cell of this data sheet. Be sure to record a zero if there are no grasshoppers in the hoop. Data for all six small mammal trapping webs should be recorded on one data sheet for one sampling date. Please combine the data back at the station if necessary. Remember to measure the ambient temperature and record the percent cloud cover as well.



27 NE	Hoop #	12:45 30.4 Co				
		1	2	3	4	5
Transect B (5/115)	1	0	0	0	0	0
	2	0	0	0	0	0
	3	0	0	0	0	0
	4	0	0	0	0	0
	5	0	0	0	0	0
26 NW	Hoop #	12:30 29.4 Co				
		1	2	3	4	5
Transect B (5/115)	1	0	0	0	0	0
	2	0	0	0	0	0
	3	0	0	0	0	0
	4	0	0	0	0	0
	5	0	0	0	0	0
25 NE	Hoop #	12:30 29.4 Co				
		1	2	3	4	5
Transect B (5/115)	1	0	0	0	0	0
	2	0	0	0	0	0
	3	0	0	0	0	0
	4	0	0	0	0	0
	5	0	0	0	0	0

13NW	Hoop #	11:00 29.6 Co				
		1	2	3	4	5
Transect B (5/115)	1	0	0	0	0	0
	2	0	0	0	0	0
	3	0	0	0	0	0
	4	0	0	0	0	0
	5	0	0	0	0	0
13SW	Hoop #	10:00 29.2 Co				
		1	2	3	4	5
Transect B (5/115)	1	0	0	0	0	0
	2	0	0	0	0	0
	3	0	0	0	0	0
	4	0	0	0	0	0
	5	0	0	0	0	0

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

Done

LSTH/ 6 Oct 2006

WEB CODE: 13NW

DATE/TIME OPENED: 6/5/2006

DATE/TIME CLOSED: 6/9/2006 8:56 am

OBSERVERS: Lauren, Brandon, Brian, Eric, Sean, Chris, Brandy

CURRENT WEATHER: 29°C, sunny, warm

GENERAL WEATHER DURING SESSION: sunny / cloudy / .9 in. at rain

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			clax-1		curcu-1			thom-1	form-3
A2									form-1
A3			elab-1 elfu-5	1					form-3
A4			elfu-1 elhi-1						
A5			elfu-1						larvae-2 form-4
B1							1		larvae-5 form-2
E2			Emmu-1		curcu-1			gnaph-1	Larvae-3
B3			ELfu-1 elhi-1	2					forms-4
B4					curcu-1 (gram-1)		corei-1		form-6
B5									form-1
C1			Emmu-2 elax-1 elab-1		curcu-2	Gryac-1			form-6
C2			elfu-1					thom-1	
C3			Emmu-1 plex-1		curcu-1 Scarab-1			salt-1 lyco-2 thom-1	
C4			ello-1	1	curcu-1	Gryll-1			
C5			ello-1 elfu-1	Pacl-1					Larvae-2 form-2
D1		✓							
D2					1-curcu			Thom-1	1 unknown
D3			elfu-1		curcu-1			ther-1	form-3
D4					curcu-3			Thom-1	form-1 unknown-2
D5		✓							

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

DONE
CSH

WEB CODE: 135W

DATE/TIME OPENED: 6/5/2006

DATE/TIME CLOSED: 6/9/2006 10:00am

OBSERVERS: LH, BW, BM, BG, EG, CSH, LC

CURRENT WEATHER: 29.2 *sunny, warm*

GENERAL WEATHER DURING SESSION: sunny / cloudy / 0.9 in. of rain

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			elfu-1	1	curv-4				larvae-5
A2			elfu-1 elob-2		curv-2	gryac-1			
A3			elob-1			gryll-1	corei-1		form-8 larvae-4
A4			elfu-2		clav-3				unknow-1
A5					curv-3	gryac-1			form-3
B1					scarb-2				forms-3
B2			elox-1 elfu-1		curv-1	gryac-1	1	SOLP-1	forms-19 larvae
B3			elhi-1		Scarab-1 curv-1			gnaph-1 thom-1	form-5
B4			elfu-2	Pael-1 1	curv-2 Scarab-1			thom-4	larvae-8 form-20
B5				Pael-2		gryll-1		SOLP-1	form-3
C1					curv-2			gnaph-1 thom-1	forms-10 unknow-12 larvae
C2			elob-1	Pael-1				lyco-1	larvae-1 form-4
C3			elhi-1 elfu-2		melod-1		corei-1	ther-1	larvae-5 form-3
C4			elfu-1 ellob-1					thom-1	form-3
C5			elob-1 elox-1		melod-1 curv-2			gnaph-1	form-5
D1				1	scarb-1 curv-1			thom-2 ther-1	forms-3
D2			empl-1 elhi-1 elfu-1					ther-1 thom-1	larvae-1
D3			empl-1	Pael-1		gryll-2		gnaph-1	forms-4 larvae-6
D4			emco-1 elfu-1 elob-1		scarb-1			arane-1	forms-3 larvae-4
D5			elfu-2		curv-1		corei-2	ther-2	larvae forms-3

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

Done CSH

WEB CODE: 24NE

DATE/TIME OPENED: 6/5/2006

DATE/TIME CLOSED: 6/9/2006 10:50 am

OBSERVERS: LH, BW, BM, BG, EG, CSH, LC, AS

CURRENT WEATHER: 29.6 °C sunny, warm

GENERAL WEATHER DURING SESSION: sunny, cloudy, 0.9 in precip.

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			eloh-1 elfu-2		Curcu-1		corri-3	salt-1 gnaph-1	form-4
A2					Curcu-1			thom-1 salt-1	form-1
A3			eloh-1		Scarab-1 Curcu-1	gryae-1	3-red	lyco-2 thom-1	form-10 larvae-3
A4			elor-2	Pacl-2 2				thom-3	form-4
A5				3	Scarab-1	gryae-1		lyco-1 thom-1	form-15 mite unknown
B1			eloh-1 emmv elhi-1					gnaph-1	unknown-1 form-4
B2				1	melod-8 Curcu-1				miles-10 larvae form-7 unknown
B3			elhi-2	1	Curcu-2			lyco-2 thom-1	form-8 mite larvae-1
B4			elhi-1	pacl-1			4-red		mite-1
B5			eloh-3 elor-1						form-4
C1			elfu-2 edro-1 alex-1	1			corri-1	thom-1 lyco-2 gnaph-1	
C2					Curcu-1			ther-1	form-1
C3			elfu-3	6	Curcu-2			thom-1	form-2
C4			elfu-1	1	Curcu-2	gryae-1	2-red		form-2 7100 mites larvae-1
C5			elfu-1	Pacl-1	Curcu-2			lyco-1	form-4 30- mites larvae-1
D1			alex-1	2	Curcu-2 Scarab-1	gryll-2	corri-1	gnaph-1	larvae-2
D2								thom-1 lyco-1	
D3			elfu-1 edro-1		Curcu-7				form-1
D4							1	lyco-2 Salp-1	larvae-1
D5			empl-1	2					form-2

SGS-LTER Long-Term Monitoring Project

Arthropod Abundance on Trapping Webs

Done CSH

WEB CODE: Z5NEDATE/TIME OPENED: 6/5/2006DATE/TIME CLOSED: 6/9/2006 11:35 amOBSERVERS: LH, AS, B, BM, BG, EG, CC, CSHCURRENT WEATHER: clouds, sunny, warm 29.4GENERAL WEATHER DURING SESSION: Sunny, cloudy, 0.9 in precipX = disturbed traps; clouds, remove from analysis

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1		X	no cup						
A2			elob-1						
A3			edro-4	5				thom-1	form-2 vesp-1
A4				1				lyco-5	form-1
A5				2					
B1			elob-1	2			cori-1	lyco-2	form-2
B2								thom-1	
B3				2					
P4				2	crev-4			salt-1	larva-1 form-2
B5								thom-1	
C1			elob-1						
C2		X	pulled up by cows						
C3		X	no cup						
C4		X	no cup						
C5		X	no cup						
D1								lyco-1	
D2			edro-1						
D3			elox-1 elob-1				cori-2		
D4								thom-1	
D5			elox-1	4					

D D

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

Done CSH

WEB CODE: 26 NW

DATE/TIME OPENED: 6/8/2006

DATE/TIME CLOSED: 6/9/2006 13:10

OBSERVERS: LH, AS, BW, BM, BA, EB, CC, CSH

CURRENT WEATHER: Sunny, warm

GENERAL WEATHER DURING SESSION: Sunny, cloudy, 0.9 in precip

X = traps missing due to cows

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1				1	Curv-2				Form-1
A2		X	no cup						
A3		X	no cup						
A4		X	no cup						
A5		X	no cup						
B1		X	no cup						
B2		X	no cup						
B3		X	no cup						
B4		X	no cup						
B5		X	no cup						
C1		X	no cup						
C2		X	no cup						
C3		X	no cup						
C4		X	no cup						
C5		X	no cup						
D1		X	no cup						
D2		X	no cup						
D3		X	no cup						
D4			Emmu-1	2					Form-3
D5		X	no cup						

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

Done (SH)

WEB CODE: 27NE

DATE/TIME OPENED: 6/9/2006

DATE/TIME CLOSED: 9 June 06/13:00

OBSERVERS: LH, AS, BW, BM, BG, EG, CG, CH

CURRENT WEATHER: 30.6 sun, warm

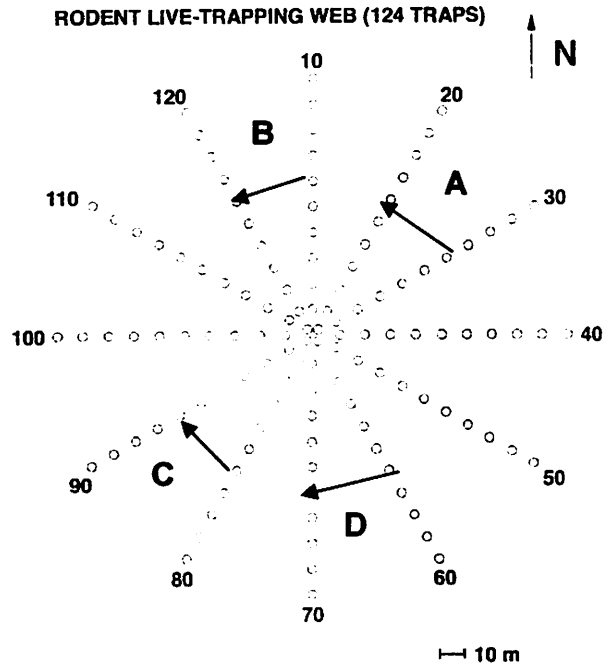
GENERAL WEATHER DURING SESSION: Sunny / cloudy 0.9 in precip

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1		✓							
A2			elob-1 elfu-1	2				gnaph-1	forms-2
A3								thom-1	
A4				3	curcu-1 scarb-1				
A5			emph-1	1				thom-1	larvae-1
B1							Lygae-1	thom-1	form-1
B2				3	scarb-1				
P3				2					
B4				1	curcu-1				form-2
B5		✓							
C1		✓							
C2									form-2
C3			emco-1	1	melod-1			lyco-1	form-4
C4		✓							
C5				1				lyro-1 ther-1	form-3
D1								ther-1 lyco-1	
D2					curcu-4				form-2
D3		✓							
D4			eler-1	5				Lyco-1	form-2
D5				1				lyco-1	

SGS-LTER Monitoring Project Grasshopper Survey on Small Mammal Webs

Date Surveyed 14 July 2006 Surveyed / Recorded by AS
Ambient Temperature _____ Cloud Cover (0-100%) 0

Instructions: There are five hoops (1,2,3,4,5) along 4 transects (A,B,C,D) that run between the number 5 trapping stations on adjacent spokes on the web (please see diagram). Walk the transects from east to west trapping station, as shown by the arrows illustrating each transect. As you approach the hoops brush a meter stick over it. Count the number of grasshoppers that jump out and record that number in the correct cell of this data sheet. Be sure to record a zero if there are no grasshoppers in the hoop. Data for all six small mammal trapping webs should be recorded on one data sheet for one sampling date. Please combine the data back at the station if necessary. Remember to measure the ambient temperature and record the percent cloud cover as well.



$T_a = 34^\circ\text{C}$ 11:29 am

27 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	1	1	2	3
	2	0	0	2	0
	3	2	3 hoop broken	1	0
	4	2	0	3	0
	5	0	1	3	0

Time 9:11 am $T_a = 33^\circ\text{C}$

13 NW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	1	0

$T_a = 35^\circ\text{C}$ 11:14 am

26 NW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	1	0	0
	3	0	1	1	1 hoop broken
	4	1	0	0	1
	5	2	0	0	0

Time = 9:35 $T_a = 35^\circ\text{C}$

13 SW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	1	0	0	0
	2	0	0	0	0
	3	1	0	0	0
	4	0	0	0	0
	5	0	0	0	0

TIME 11 am $T_a = 36^\circ\text{C}$

25 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

Time = 10:21 am $T_a = 34^\circ\text{C}$

24 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	1	0
	4	0	0	0	1
	5	0	0	0	0

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

P. Stapp, 4/98

Done CSH 6 Oct 2006

WEB CODE: 13NW

DATE/TIME OPENED: 10 July

DATE/TIME CLOSED: 14 July 2006 8:45

OBSERVERS: CSH, ES, JB, B

CURRENT WEATHER: Sunny, warm, no wind

34°C

GENERAL WEATHER DURING SESSION: rain/sun

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			closed fell off water	2					
A2				3					form-4 Larvae-1
A3							1		Larvae-1 form-1
A4		✓	kicked open no contents						
A5			EMPL-4 ELOR-1			Myrac-2		Lyc-1	water in trap form-13 larvae.
B1				1		Acrid-1		Thom-1	
B2		✓	Damaged						
B3				15	CINC-1			Lyc-1	Kicked open, water form-6
B4					Scarb-1				form-6
B5			ELFU-1	3					larvae-2 form-2
C1				13					water in trap DIPT-2 Vesp-1 Larvae-1 form-2
C2			ELEX-1	1	CUACU-2				form-1
C3		✓							
C4			FLEX-1	8					Kicked open form-1
C5			ELEX-1 EMPL-1 ELFU-1	4	Scarb-1		Corei-1	gnaph-1	Larvae-1 form-1
D1		✓	damaged						
D2					CUACU-1 CINC-1				Apic-1 form-10
D3			ELEX-1						
D4			ELEX-1						
D5		✓							

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

Done (SH)

WEB CODE: 13 SLV

DATE/TIME OPENED: 10 July 2006

DATE/TIME CLOSED: 14 July 2006 9:30

OBSERVERS: CSH, BW, ES, JB

CURRENT WEATHER: Sunny, warm, no wind

34°C

GENERAL WEATHER DURING SESSION: Rain / Sun

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1		✓							
A2			ELOR-1 water in trap	1		Gyrac-1		Thom-1	Larvae-1 Form-2
A3			EMCO-1 water in trap	2				SOLP-1	Larvae-1
A4			ELOR-1 water in trap	4				SOLP-1	form-2
A5					Scarb-1				form-6
B1			ELEX-2						Form-20
B2			ELFU-1 EMCO-1	PAEL-1 1			Corei-1	Gnaph-1 Thom-1 Lyc-1	Form-6
B3			ELLO-1 ELOR-1	PAEL-1 2	CLRCV-1		Corei-1	gnaph-1 Opiliones-2	form-3
B4			ELOB-1					SOLP-1	
B5			ELOB-1	1	CLRCV-2			Thom-1	Form-1
C1			ELFU-1 water in trap						forms-2 mite-1
C2				4	Scarb-1			very small-2	Larvae-2 form-3 mites-3
C3			ELLO-1 water in trap		Scarb-1			Gnaph-1	Vesp-1
C4		✓							
C5			ELHI-1	PAEL-1 4	Scarb-1				Larvae-1
D1			ELOR-1		CLRCV-1	Gyrac-1		Thom-1	
D2					CLRCV-1			Gnaph-1	Larvae-1 form-2
D3				1				Thom-1 Gnaph-1	red mite-2 Larvae-1
D4			EMMU-2 ELFU-1		Scarb-1				Dipt-1 form-3 Larvae-6
D5			EMCO-2						form-5 mite-1 Larvae-1

mites-3

Done CSH

DATE/TIME OPENED: 10 July 2006

DATE/TIME CLOSED: 11 July 2006 10:20

OBSERVERS: CGH, BW, JB, AS, ES

CURRENT WEATHER: Sunny, warm, light wind 34°C

GENERAL WEATHER DURING SESSION: rain/sun Hot

[illegible]

SGS-LTER Long-Term Monitoring Project

Arthropod Abundance on Trapping Webs

Done (SH)

WEB CODE: 25NFDATE/TIME OPENED: 10 July 2006DATE/TIME CLOSED: 14 July 2006 11:00OBSERVERS: CSH, ES, TB, BW, ASCURRENT WEATHER: cloudy, warm, light wind 36°GENERAL WEATHER DURING SESSION: Rain/sun hot

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			EMCO-1						Form-2
A2		✓							
A3								gnaph-1 SOLP-1	larvae-1 dipt-1 form.
A4			lots of dirt in trap					Ther-1 Thom-1	
A5					silph-1				form-2
B1								gnaph-1	form-2
B2	1	✓							
B3							corei-1	Ther-1	
B4				2				gnaph-1	form-5
B5			vet trap	2				Ther-1	
C1									Form-1
C2		✓							
C3									Form-1
C4					Scarab-2			gnaph-1	Form-1
C5								Thom-1	form-1
D1		✓							
D2			vet trap					lyca-1	
D3								Ther-1	
D4				1	Curcu-1			salt-1	form-1
D5				2			corei-1	salt-1	form-8

SGS-LTER Long-Term Monitoring Project

Arthropod Abundance on Trapping Webs

Done CCH

WEB CODE: 26NWDATE/TIME OPENED: 10 July 2006 DATE/TIME CLOSED: 14 July 2006 11:45OBSERVERS: CCH, AS, ES, JD, BW, EG, BGCURRENT WEATHER: Sunny, warm, light wind 36°CGENERAL WEATHER DURING SESSION: rain, sun, hot

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1					Curcul-1				Form-5
A2				2					Form-6
A3						Gryac-1		Ther-2	Form-2
A4		X	Damaged						
A5				3	Scarab-1				Form-2
B1			ELOR-1	1	Scarab-1				Form-7
B2									Form-18
B3									Form-2
B4		X	Damaged						
B5		X	Damaged						
C1									Form-5
C2									Form-4
C3				1					Form-3
C4			ELOR-1						Form-1
C5			ELOR-1	1				Ther-1	Form-3
D1								Ther-1	Form-1 mite-1
D2			ELOR-1	2 Pacl-1				SOLR-1	Form-3
D3			EMCO-1	1	Scarab-1			Ther-1	Form-9
D4			wet trap	1					
D5				3			Corei-1		

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

Done CGH

WEB CODE: 27NE

DATE/TIME OPENED: 10 July 2006

DATE/TIME CLOSED: 14 July 2006 11:23

OBSERVERS: CGH, BW, EG, AS, ES, JB

CURRENT WEATHER: Sunny, warm, light wind 35°C

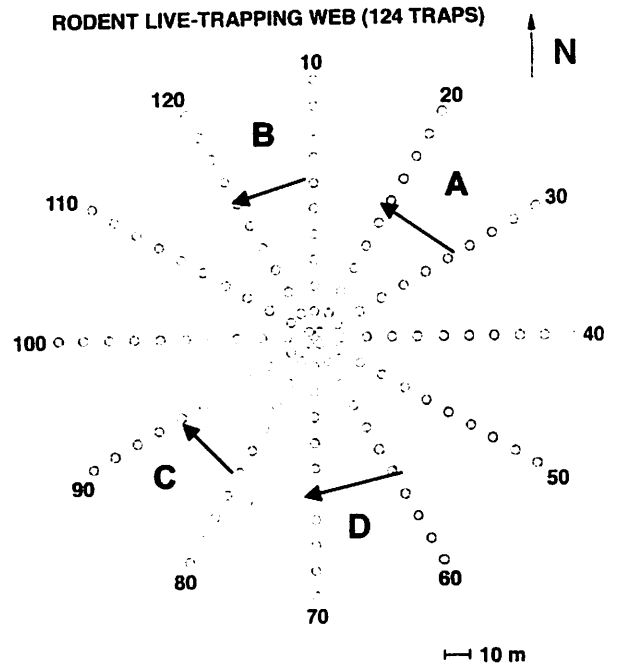
GENERAL WEATHER DURING SESSION: Rain, sun, hot

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			FMCO-1	1	Scarb-1				Form-6
A2			Emmu-1						Form-3
A3									Form-2
A4									Form-1 mite-3
A5			ELOR-3 ELEY-1	1					Form 5
B1					Scarb-1			Thom-2	Form-5
B2									Form-1
B3			EMMU-1	2	Scarb-1			Thom-1	Form-1
B4									Form-3
B5		✓							
C1			ELOR-1	1					form-2
C2									Form-3
C3				1					Form-1
C4			ELOR-1					Lyc-1	Form-12
C5			Emmu-1						Form-5
D1								Thom-1	Form 10
D2								Thom-1	form-8 Dipt-1
D3		✓							
D4			water in cup	1					Form-25 vesp-1
D5				1	Scarb-1			Thom-1	Form-4

SGS-LTER Monitoring Project Grasshopper Survey on Small Mammal Webs

Date Surveyed 8.11.06 Surveyed / Recorded by Brandy Wilson + Emily Sanford
Ambient Temperature _____ Cloud Cover (0-100%) 5%

Instructions: There are five hoops (1,2,3,4,5) along 4 transects (A,B,C,D) that run between the number 5 trapping stations on adjacent spokes on the web (please see diagram). Walk the transects from east to west trapping station, as shown by the arrows illustrating each transect. As you approach the hoops brush a meter stick over it. Count the number of grasshoppers that jump out and record that number in the correct cell of this data sheet. Be sure to record a zero if there are no grasshoppers in the hoop. Data for all six small mammal trapping webs should be recorded on one data sheet for one sampling date. Please combine the data back at the station if necessary. Remember to measure the ambient temperature and record the percent cloud cover as well.



31 W on Back side

35°C

27 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	1	0	0
	4	0	1	1	0
	5	0	0	0	0

33°C

13 NW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	1
	4	0	0	0	0
	5	0	0	0	0

34°C

26 NW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

33°C

13 SW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

35°C

25 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

34°C

24 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs

Done CSH

WEB CODE: 13 NW

DATE/TIME OPENED: 7 August 2006

DATE/TIME CLOSED: 11 Aug 06 8:40

OBSERVERS: BM, EG, ES, CSH, BW

CURRENT WEATHER: light wind, warm 33°

GENERAL WEATHER DURING SESSION: hot, sunny

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1		✓							
A2									Form-1
A3								Salt-2	Form-4
A4						Gyrac-1		Ther-1	Form-1
A5			Elfu-1 Emmu-1 Emco-1		Scarb-1			Lyc0-1	Form-4
B1								Salt-1	
B2									Form-4 Larvae-1
B3				1					Form-5
B4								Ther-1	
B5					Curcu-2			Ther-1 Salt-1	Form-5
C1								Ther-1	
C2							1	Ther-1	
C3				PAEL-1		Gyrac-1		Ther-20	Form-40
C4			EMCO-1			Gyrac-1		LYCO-1	Form-2
C5								ther-1	
D1								Salt-2	form-6
D2							Lygae-1	ther-1	Form-2
D3					Curcu-1			ther-1	form-2
D4					Curcu-1			ther-1	
L5		✓							

SGS-LTER Long-Term Monitoring Project

Arthropod Abundance on Trapping Webs

Done CS4

WEB CODE: 13 SWDATE/TIME OPENED: 7 Aug 2006DATE/TIME CLOSED: 11 Aug 2006 9:09OBSERVERS: BM, EG, ES, BW, CSTCURRENT WEATHER: warm, light wind 330GENERAL WEATHER DURING SESSION: hot, sunny

T. ap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1					Curcu-1				Form-9 Larvae-1
A2									Form-3
A3			ELSV-1 ELOB-1	2					Form-5
A4			ELFU-1	1	Curcu-1			Ther-1	Form-20
A5								Ther-1 Thom-1	Form-8
B1						Gryac-1			Form-4
B2			ELSV-1	Parl-1					
B3						Gryac-1		Thom-4	
B4			Elof-1					Lyco-1	
B5						Gryac-1		Salt-1	Form-30
C1								Ther-1	Form-2
C2				1				Ther-1	Form-3
C3			ELSV-1 ELFU-1		Silph-1	Gryac-1		Salp-1 gnaph-1	Form-4
C4		✓							
C5						Gryac-1			
D1					2-unkwn	Gryac-1		Thom-1	
D2								Lyco-1	Form-6 Larvae-1
D3								Ther-1	Form-3
D4			Elof-1 E1lo-1					Gnaph-1 Salt-1	Form-5
D5				1				Lyco-2	Form-3

Done call

GENERAL WEATHER DURING SESSION: hot sunny

[illegible]

SGS-LTER Long-Term Monitoring Project

Arthropod Abundance on Trapping Webs

Done CSH

WEB CODE: 31 WDATE/TIME OPENED: 7 Aug 06DATE/TIME CLOSED: 11 Aug 06 10:21OBSERVERS: BIM, EG, BW, ES, LHL, CSHCURRENT WEATHER: hot, light wind, sunnyGENERAL WEATHER DURING SESSION: hot, sunny

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1							Lygae-1	gnaph-1	mantis-1 dipt-1
A2					Curcu-1			thom-1	praying mantis-1
A3					Curcu-1 Scarb-1				
A4			<u>rotrondis/-1</u>						Form-1
A5				1	Curcu-4				
B1									Dipt-1
B2									Form-2
B3								solp-1	
B4			Elob-2 Empl-1		Melod-1				Form-1 mites-2
B5									Form-1
C1			Elob-2						Form-1
C2		✓							
C3				1				Ther-1	
C4			Empl-1 Elob-1		Curcu-6				
C5			Elob-1						
D1				1					Dipt-1
D2									Form-5
D3				3					Form-1
D4		✓	Trap disturbed						
D5			Elob-1 Aspe-1						

SGS-LTER Long-Term Monitoring Project

Arthropod Abundance on Trapping Webs

Done CSH

WEB CODE: 25 NEDATE/TIME OPENED: 7 Aug 06 DATE/TIME CLOSED: 11 Aug 06OBSERVERS: EG, ES, LH, BM, BW, CSHCURRENT WEATHER: hot, sunny, light wind 35°GENERAL WEATHER DURING SESSION: hot, sunny

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			Empl-1 Elob-1		melod-1			1	
A2				1	ceram-1			Thom-2	
A3			Elob-1		ceru-2	acrid-1			Form-1
A4			Empl-1 Elob-1					Ther-1	
A5			Emmu-1	2				gnaph-1	
B1								Thom-1	Form-1 Dipt-1
B2					ceru-1			Ther-1	
B3			Empl-1 Elob-1					Ther-1	
B4			Elob-1 Elex-1		ceru-1				
B5			Elob-2					Ther-1	
C1			Elob-1 rohnda-1						
C2			aspo-1		ceru-2			Ther-1	Dipt-1 Form-2
C3					ceru-2			Lyco-1	Form-3
C4			elob-9						
C5			elob-5					Lyco-1	
D1								Thom-2 Ther-1	
D2								Ther-1	
D3			Elob-1					Ther-1	Form-1 Dipt-1
D4			Elob-3 Elhi-2	Empl-1	ceru-5			Graph	Dipt-1
D5						bryac-1			Form-2

Data Sheet:

P.
Stapp, 4/98SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping WebsWEB CODE: 26 NWDATE/TIME OPENED: 7 Aug 06DATE/TIME CLOSED: 11 Aug 06 11:21OBSERVERS: B.M., B.W., E.S., E.G., L.H., L.S.H.CURRENT WEATHER: Sunny, hot, light wind 34°GENERAL WEATHER DURING SESSION: hot, sunny

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			Elob-1						Form-2
A2			Elob-1 Elor-1 Elhi-1		melod-1			Solph-1	
A3								Ther-1 Lyco-1	
A4			Elob-1					Ther-1	Form-5
A5					melod-1			Ther-1	Form-1
B1								Ther-1 Thom-1	Form-1
B2			rotund-3-1 elob-1	2				Ther-1	
B3			elob-1	3				Lyco-1	Form-2
B4								Ther-1	Form-1
B5			elob-5 elor-2	2				Lyco-1 Solph-1	Form-3
C1			elob-1	pael-2				Ther-1 gnaph-1	
C2		✓	trap disturbed						
C3			elor-1	6					Form-1
C4			elob-1 elfu-1 elox-1		cercu-1			Ther-1	Form-3
C5			Elor-2 Elhi-1					Thom-1 Lyco-1	Form-1
D1					melod-1			Ther-1 Thom-1 gnaph-1	Form-1
D2								Thom-2	Form-3
D3			Elfu-1 elob-1	1					Form-3
D4			aspo-1						Form-2
D5			elox-1					Ther-1	

Data Sheet:

P.
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Arthropod Abundance on Trapping Webs

Dove, et al

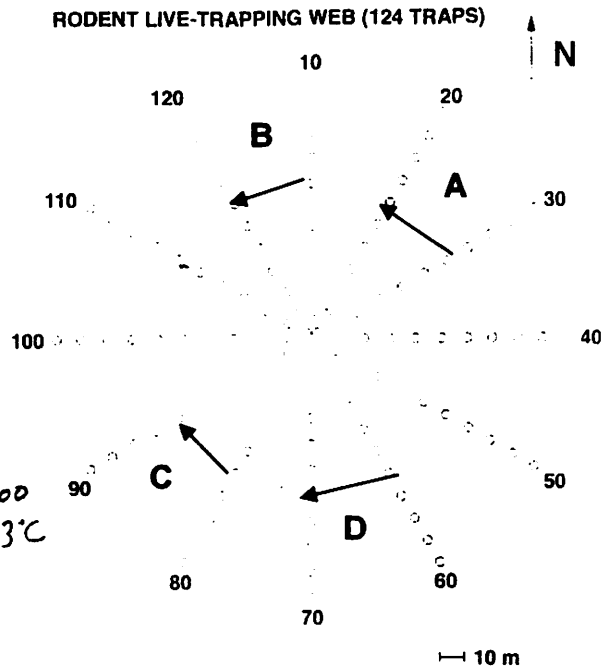
WEB CODE: Z7NEDATE/TIME OPENED: 7 Aug 06DATE/TIME CLOSED: 11 Aug 06OBSERVERS: BM, BW, LH, EG, FS, SHCURRENT WEATHER: sunny, hot, windy 35°GENERAL WEATHER DURING SESSION: hot, sunny

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1								ther-1	
A2			elex-1		ccrcu-1				
A3			ello-1 elhi-1					gnoph-2	mutil-1
A4			elor-4 emmu-2	paet-1					Form-7
A5									mutil-1
B1					melod-1				Form-2
B2			elob-1				Lygae-1		
B3								Ther-2	
B4			emmu-3 elob-2	20					
B5		✓							
C1									Form-2
C2					ccrcu-1			gnaph-1	
C3			Ellob-1	1					
C4			Ellob-1					Ther-1	
C5			aspo-1						Form-3
D1				1	melod-1			Salt-1	Form-3
D2			Empl-1					Thum-1	
D3			Ellob-1 aspo-1	1				Ther-1	
D4			Ellob-1 Elfu-1						
D5					ccrcu-1				

SGS-LTER Monitoring Project Grasshopper Survey on Small Mammal Webs

Date Surveyed 09/05/06 Surveyed / Recorded by A. Suarez
Ambient Temperature _____ Cloud Cover (0-100%) 0%

Instructions: There are five hoops (1,2,3,4,5) along 4 transects (A,B,C,D) that run between the number 5 trapping stations on adjacent spokes on the web (please see diagram). Walk the transects from east to west trapping station, as shown by the arrows illustrating each transect. As you approach the hoops brush a meter stick over it. Count the number of grasshoppers that jump out and record that number in the correct cell of this data sheet. Be sure to record a zero if there are no grasshoppers in the hoop. Data for all six small mammal trapping webs should be recorded on one data sheet for one sampling date. Please combine the data back at the station if necessary. Remember to measure the ambient temperature and record the percent cloud cover as



well. 15°C
Time: 16:10

well.	Transect B	Transect A	D	C
Hoops 1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0

Time: 14:00
Temp: 33°C

27 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	1
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

Time: 15:30, Temp: 32°C

26 NW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	1	1	1
	2	0	0	0	1
	3	0	0	0	1
	4	0	0	2	0
	5	0	0	0	0

Time: 14:50, Temp: 35°C

25 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	1	0
	2	0	0	0	0
	3	0	2	0	0
	4	0	0	0	1
	5	0	0	0	1

Time: 10:10am, Temp: 28°C

13 NW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

Time: 10:53, Temp: 29°C

13 SW	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	1
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

Time: 12:00pm, Temp: 32°C

24 NE	Hoop #	Transect B (5/115)	Transect A (25/15)	Transect D (55/65)	Transect C (75/85)
	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
	4	0	0	0	0
	5	0	0	0	0

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

WEB CODE: 13NW

DATE/TIME OPENED: 1 Sept 2006

DATE/TIME CLOSED: 5 Sept 2006 10:10

OBSERVERS: Sean Huxter, ALEO Swazo

CURRENT WEATHER: Sunny, warm, no wind 28°C

GENERAL WEATHER DURING SESSION: Sunny, no rain, cool

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1				1					
A2									Form - 2
A3		✓							
A4				1	Curcu-1			Thom-1 Lyco-1	
A5			ELOR-1			Gryac-1			Larv-1 POOC-1
B1									Form-1
B2									Form-16 POOC-1 Lepid.
B3		✓							
B4					Curcu-1				
B5					Curcu-1			Thom-1	POOC-1
C1				1					Larvae-1
C2		✓							
C3					Scarab-1			Thom-2	POOC-1
C4				3					POOC-1 Larvae-1 Form-1
C5									Form-1
D1					Curcu-1			Ther-1	FOAM-1
D2									POOC-1
D3					Scarab-1				Form-1
D4		✓							
D5			Elab-1		Curcu-2				

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

WEB CODE: 135W

DATE/TIME OPENED: 1 Sept 2006

DATE/TIME CLOSED: 5 Sept 2006 10:55

OBSERVERS: _____

CURRENT WEATHER: 29°C

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1									Pooc-1/ Larv-1
A2			ELHI-1	1	Curcu-1				
A3				3					Larv-1
A4				1					Larv-1 Form-8
A5								Thom-1	Form-3 Larv-1
B1									Pooc-2
B2			ASOP-1	1	Curcu-1 Scarb-1				Form-1
B3			GLSO-1	3				Ther-2	Form-1
B4				1	Curcu-1			Ther-1	Pooc-5 mite
B5			GLSO-1 Emico-1					Thom-1	Form-1 mite
C1									Form-3
C2			ELHI-1 EMPL-1 ELOR-1					Ther-1	
C3								gnaph-1	Form-1
C4		✓							
C5				1	Curcu-2 Scarb-1			Ther-1	
D1						Gryac-1		Thom-1	
D2									mite-1
D3								Ther-1	
D4								Ther-1	Larv-2
D5				1				Ther-2	Form-2 Pooc-1

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

WEB CODE: 24 NE

DATE/TIME OPENED: 1 Sept 2006 DATE/TIME CLOSED: 12:00 5 Sept 2006

OBSERVERS: _____

CURRENT WEATHER: 32°C

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1				2					Form-4
A2								Ther-1	
A3		✓							
A4								gnaph-1	
A5		✓							
B1			ELLO-1						
B2				1 Paet-1	CURCU-1				Larv-1 mite-1
B3		✓							
B4			ELLO-1						
B5			ELOR-1		CURCU-1				
C1								Salt-1	POOC-1
C2									Form-1
C3			EUCO-1			Gyrac-1			Larv-1
C4								Ther-1	Lepid-1
C5								Ther-1	Form-1
D1								Ther-1	
D2				1					Larv-2
D3		✓							
D4		✓							
D5		✓							

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

WEB CODE: 31W

DATE/TIME OPENED: 1 Sept 2006

DATE/TIME CLOSED: 14:00 5 Sept 2006

OBSERVERS: _____

CURRENT WEATHER: 33°C

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1					melod-1			scit-1	
A2			ASPO-1 elob-1		curcu-1			gnaph-1	
A3					curcu-1			lycd-1	
A4			ASPO-1 elob-1		2-melod 2-curcu				Form-1
A5			ASPO-2						
B1		✓							
B2					curcu-1				Form-1
B3			elob-1						
B4			elhi-2 elob-1		curcu-2				
B5				1				Ther-2	POOC-2
C1								lycd-1	
C2		✓							
C3		✓							
C4			ASPO-1		curcu-2				Form-1
C5		✓							
D1								gnaph-1	
D2					melod-1 curcu-1			gnaph-1	Form-1
D3		✓							
D4			Elob-2		melod-1			gnaph-1	
D5			Elob-3	1	curcu-1			thom-1	

**SGS-LTER Long-Term Monitoring Project
Arthropod Abundance on Trapping Webs**

P. Stapp, 4/98

WEB CODE: 25 NE

DATE/TIME OPENED: 1 Sept 2006

DATE/TIME CLOSED: 14:50 5 Sept 2006

OBSERVERS: _____

CURRENT WEATHER: 35°C

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1			ASPO-1						
A2			Elob-2		Curcul-1				
A3									Form-3
A4		✓							
A5				1	Curcul-1				
B1					melod-1				
B2		✓							
B3			elob-1						
B4									Form-1
B5		✓							
C1									Form-2
C2					Curcul-1				Form-1 dipt-1 Poc-2
C3			ASPO-1						
C4								Ther-1	Form-1
C5								Ther-1	Form-1
D1		✓							
D2		✓							
D3			elob-1						Form-1
D4					melod-1			solp-1	Dipt-1 Dipt-1
D5				1	melod-1				Form-1 Form-1

SGS-LTER Long-Term Monitoring Project

Arthropod Abundance on Trapping Webs

WEB CODE: ZENWDATE/TIME OPENED: 1 Sept 2006DATE/TIME CLOSED: 15:30 5 Sept 2006

OBSERVERS: _____

CURRENT WEATHER: 32°C

GENERAL WEATHER DURING SESSION: _____

Trap	No. In Hoop	Empty	Tenebrionidae (list by Spp)	Carabidae	Other beetles (list Family)	Orthoptera	Hemiptera	Spiders	Other
A1		✓							
A2								gnaph-1	Form-1
A3									Form-1
A4		✓							
A5		✓							
B1		✓							
B2								Ther-1	
B3			Elob-1						
B4								Ther-1	Form-1
B5		✓							
C1		✓							
C2					Curcu-1			Solp-1	Form-1
C3			Elob-1	1					Form-1
C4		✓							
C5		✓							
D1									P00C-2
D2		✓							
D3					melod-1				Form-1
D4		✓							P00C-3
D5			Elob-2		Curcu-1				P00C-4

GENERAL WEATHER DURING SESSION:

[illegible]