

7 July 1998

Common Macroarthropods of CPER

When possible, use letter codes for entry in pitfall trap data.

Identify all to ORDER (O.); FAMILY (F.) or SPECIES whenever possible.

KINGDOM Animalia

PHYLUM Arthropoda

CLASS Arachnida

O. Araneae (ARANE)

- F. Thomisidae (THOM) - crab spiders
- F. Theriidae (THER) - widow spiders
- F. Lycosidae (LYCO) - wolf spiders
- F. Salticidae (SALT) - jumping spiders
- F. Gnaphosidae (GNAPH) - hunting spiders

O. Solifugae (SOLP) - sunspiders

CLASS Insecta (Hexapoda)

O. Orthoptera (ORTHO)

- F. Acrididae (ACRID) - grasshoppers
- F. Gryllidae (GRYLL) - field crickets
- F. Gryllacrididae (GRYAC) - sand and camel crickets

O. Isoptera (ISOP) - termites

O. Dermaptera (DERMA) - earwigs

O. Hemiptera (HEMIP)

- F. Lygaeidae (LYGAE) - seed bugs
- F. Reduviidae (REDUV) - assassin bugs
- F. Coreidae (COREI) - leaf-footed bug
- CHVI - Chellinea vettiger (cactus bug)
- F. Pentatomidae (PENT) - stink bugs

O. Neuroptera (NEURO) - lacewings and antlions

O. Coleoptera (COLEO)

- F. Cicindelidae (CINC) - tiger beetles
- F. Carabidae (CARAB) - ground beetles
- PAEL - Pasimachus elongatus

- F. Silphidae (SILPH) - carrion beetles
- F. Scarabeidae (SCARB) - June and dung beetles
- F. Coccinellidae (COCC) - ladybird beetles
- F. Meloidae (MELOD) - blister beetles
- F. Cerambycidae (CERAM) - long-horned beetles
- F. Chrysomelidae (CHRYD) - leaf beetles
- F. Curculionidae (CURCU) - weevils
- F. Tenebrionidae (TENEB) - darkling beetles

ELEX	Eleodes extricata	ELOB	E. obsoleta
ELOR	E. obscura	ELHI	E. hispilabris
ELFU	E. fusiformis	ELTR	E. tricolorata
ELSU	E. suturalis	ELLO	E. longicollis
ELOP	E. opaca	EMCO	Embaphion contusum
EMPL	E. planum	EMMU	E. muricatum
ASOP	Asidopsis opaca	ASPO	A. polita
GOEL	Gonaspida elata	GLSO	Gyptasida sordida
EUCO	Eusattus convexus	BOTH	Bothrotes sp.
EDRO	Edrotes sp.	BLAP	Blapstinus sp.
TRIM	Trimytis sp.		

O. Diptera (DIPT) - flies

O. Lepidoptera (LEPID) - moths and butterflies
 LARV - caterpillars

O. Hymenoptera (HYMEN)

- F. Apidae (APID) - bees
- F. Vespidae (VESP) - wasps and yellowjackets
- F. Mutillidae (MUTIL) - velvet ants
- F. Formicidae (FORM) - ants
 - POOC - Pogonomyrmex occidentalis (western harvester ant)

Nicole Kaplan

From: "Nicole Kaplan" <nicole.kaplan@colostate.edu>
To: "Lisa Gerjevic" <gerji1_@hotmail.com>; "Nicole Kaplan" <nicole.kaplan@colostate.edu>
Sent: Friday, February 14, 2003 3:48 PM
Subject: Monday Task

Hi Lisa-

In case you are here and I am not...

Please go into my office and pick up the ARS#118 Arthropods on the Webs data folder from the green chair. Log onto the computer in 218 and go to homes on picea/work or lter/ARS#118-ArthWeb-Data. Please double-check the WebArth_2002.xls file. make sure that all of the columns are complete and the data were entered correctly. I also left you a list of the codes we use for the insects in case you need a reference for a data point. Please save the file as WebArth_2002-2.xls if it is read only or you need to make changes.

I will be into work in the afternoon. If you are really stuck you can ask Dan if he has anything for you to do or call me at home 416-7726.

See you soon. I hope everything is okay with your family. Work at much as little as you need to today.

Nicole

~~~~~

Nicole Kaplan

491-1147

SGS-LTER Information Manager

NEW EMAIL ADDRESS: [nicole.kaplan@colostate.edu](mailto:nicole.kaplan@colostate.edu)

LISA

## Project Summary Sheet – Year 2002

Project Name Live Arthropod Pitfall Trapping on Small Mammal Trapping Web

Project Number ARS# 118

Principal Investigator(s) Paul Stapp

Dates of Data Collection 06-13 May 2002, 10-14 Jun 2002, 1-5 Jul 2002, 5-9 Aug 2002, 16-20 Sept 2002

Plot Names / Specific Location of study area(s)

13NW, 13SW, 24NE, 25NE, 26NW, 27NE

Full Names of Data Collectors Nicole Kaplan, David Huber, Justin Isaacs,

Beth Grady, Julia Dixon, Laura Jamison, Christie Meglasson

Names of Associated Files and Databases Ltr-a\grants\ltrl\WorkStudy\

Arts#118-ArtWeb-Data\WebArtn\_2002.xls (3 webartn 98-99-00-01)

www-data on Limberpine \ sgstterdb\ LTMntrArtnroAbndTrapWebs (1998-2001)

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

13NW - 6 pages la. session

13SW - " "

24NE - " "

25NE - " 1

26NW - "

27NE -

## Questions and Concerns

Date copies of data sheets were sent to PI(s) 08 Nov 2002

Date copies of data sheets were sent to SGS-LTER office 01 Oct 2002

Names of any other persons given copies of data sheets

Names of any other persons  
Mark Lindquist

7 July 1998

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~~ELEX~~ Eleodes extricata

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POOC - Pogonomyrmex occidentalis (western harvester ant)

Bank One  
150 W Boughton Rd.

Bolingbrook, IL 60440

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 13SWDATE/TIME OPENED: 16 Sept. 2002/9:30 DATE/TIME CLOSED: 20 Sept. 2002/9:30OBSERVERS: N. Kaplan, D. Hultine, C. McGlassonCURRENT WEATHER: Sunny 50s - windyGENERAL WEATHER DURING SESSION: 70s - 80s windy

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders | Other                    |
|------|----------------|-------|-----------------------------|-----------|--------------------------------|------------|-----------|---------|--------------------------|
| A1   |                |       | 1 EMCO<br>1 ELEX            |           |                                |            |           |         | 30 FORM                  |
| A2   |                |       |                             |           |                                |            |           |         | 1 LEPID LARVA<br>20 FORM |
| A3   |                |       |                             |           |                                |            |           |         | 5 FORM                   |
| A4   |                | ✓     |                             |           |                                |            |           |         |                          |
| A5   |                |       |                             |           |                                |            |           |         | 5 FORM                   |
| B1   | 0              |       |                             |           |                                |            |           |         | 1 FORM                   |
| B2   | /              |       | 1 ELOB                      |           |                                |            |           |         | 4 FORM                   |
| B3   | 0              |       |                             |           |                                |            |           |         | 1 FORM                   |
| B4   | /              |       |                             |           |                                |            |           |         | 2 FORM                   |
| B5   | 1              |       | 1 ELOB                      |           | 1 CURCU                        |            |           |         | 1 FORM                   |
| C1   | 0              |       |                             | 1         | 1 CURCU                        |            |           |         | 10 FORM                  |
| C2   | /              | ✓     |                             |           |                                |            |           |         |                          |
| C3   | 0              |       | 1 ELOR                      |           |                                |            |           |         | 7 FORM                   |
| C4   | /              |       |                             |           |                                |            |           |         | 3 FORM                   |
| C5   | 0              |       |                             |           |                                |            |           | 1 GNAP  | 1 FORM                   |
| D1   | 0              |       | 1 ELHI 1 EUCC               |           |                                |            |           |         |                          |
| D2   | /              |       | 1 ELHI                      |           |                                |            |           |         | 1 FORM                   |
| D3   | 0              |       |                             |           |                                |            |           |         | 2 FORM                   |
| D4   | /              |       |                             |           |                                | 1 GRYPAC   |           |         | 3 FORM                   |
| D5   | 0              |       | 1 ELFU                      |           |                                |            |           |         | 1 THREX                  |



GENERAL WEATHER DURING SESSION: 70s-80s, windy

[illegible]

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[illegible]

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[illegible]

GENERAL WEATHER DURING SESSION: 70s-80s windy

[illegible]

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 27NEDATE/TIME OPENED: 16 Sept. 2002/13:00 DATE/TIME CLOSED: 20 Sept. 2002/11:30OBSERVERS: N. Kaplan, D. Huber, B. McglassonCURRENT WEATHER: 60s - sunny, windyGENERAL WEATHER DURING SESSION: 70s - 80s, windy

| Trap          | No. In<br>Hoop | Empty        | Tenebrionidae (list by Spp)    | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders                                  | Other                |
|---------------|----------------|--------------|--------------------------------|-----------|--------------------------------|------------|-----------|------------------------------------------|----------------------|
| A1            |                |              |                                |           |                                |            |           | 2 THERI                                  | 1 LEPID              |
| A2            |                |              |                                |           |                                |            |           |                                          | 1 VESP               |
| A3            |                |              |                                |           |                                |            |           | 1 THERI                                  |                      |
| A4            |                |              |                                |           |                                |            |           | 1 THERI                                  |                      |
| A5            |                |              |                                | 1         |                                |            |           |                                          | 2 FORM               |
| B1            | 0              | ✓            |                                |           |                                |            |           |                                          |                      |
| <del>B2</del> | <del>0</del>   | <del>✓</del> |                                |           |                                |            |           |                                          |                      |
| B3            | 0              |              |                                |           | 1 CURCU                        | 1 GRAC     |           | 1 THERI / daddy long leg<br>1 Phalangida | 1 LEPID<br>1 FORM    |
| B4            |                | ✓            |                                |           |                                |            |           |                                          |                      |
| B5            | 0              |              |                                |           |                                |            |           | 1 SAUT                                   | 1 FORM               |
| C1            | 0              |              | 2 ELOR 1 EMMU<br>1 ELEX 1 EUCO |           | 1 CURCU                        |            |           | 1 THERI                                  |                      |
| C2            |                |              |                                |           |                                |            |           | 2 THERI                                  |                      |
| C3            | 0              | ✓            |                                |           |                                |            |           |                                          |                      |
| C4            |                |              | 2 EMMU<br>1 ELOR               |           |                                |            |           | 1 GNAP                                   | 1 FORM               |
| C5            | 0              |              |                                |           |                                | 1 ACRID    |           | 1 THERI                                  |                      |
| D1            | 0              |              |                                |           |                                |            |           | 2 THERI                                  | 1 FORM               |
| D2            |                |              |                                |           |                                |            |           | 1 THERI                                  |                      |
| D3            | 0              | ✓            |                                |           |                                |            |           |                                          |                      |
| D4            |                |              | 1 ELOR                         |           | 5 CURCU                        |            |           | 1 chelonarctida                          | (wind 5 FORM scorp.) |
| D5            | 0              |              |                                |           | 2 CURCU                        |            |           |                                          | 1 LEPID              |

ok

P. Stapp, 4/98

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

WEB CODE: 27

DATE/TIME OPENED: 01 July 2002 / 1300 DATE/TIME CLOSED: 05 July 2002 / 1100

OBSERVERS: D. Huber, B. Grady, J. Dyson, N. Kaplan

CURRENT WEATHER: 80s Sunny

GENERAL WEATHER DURING SESSION: 80s/90s, sunny, dry

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders | Other                           |
|------|----------------|-------|-----------------------------|-----------|--------------------------------|------------|-----------|---------|---------------------------------|
| A1   | 0              | ✓     |                             |           |                                |            |           |         | 5 FORM                          |
| A2   | ✓              |       |                             |           |                                |            |           | 1 GNAP  |                                 |
| A3   | 0              |       | 1 ELOB 1 ELHI               |           |                                |            |           | 1 THOM  |                                 |
| A4   | ✓              |       | 1 ELOB                      | 1         |                                |            |           |         |                                 |
| A5   | 1              |       | 4 ELOB                      |           |                                |            |           |         |                                 |
| B1   | 0              | ✓     |                             |           |                                |            |           |         |                                 |
| B2   | ✓              |       | 1 ELOB 1 ELEX               |           |                                |            |           |         |                                 |
| B3   | 0              |       | 2 ELHI 1 emmu<br>1 ELOB     |           |                                | 1 GRAC     |           | 1 LYCOS |                                 |
| B4   | ✓              |       | 1 emmu 1 ELOB               |           |                                |            |           |         |                                 |
| B5   | 0              |       | 1 ELEX                      |           |                                |            |           | 1 SALT  |                                 |
| C1   | 0              |       | 1 ELOB                      | 1         |                                |            |           | 1 GNAP  |                                 |
| C2   | ✓              | ✓     |                             |           |                                |            |           |         |                                 |
| C3   | 1              |       | 1 ELHI<br>1 ELEX            | 2         |                                |            |           |         |                                 |
| C4   | ✓              |       | 3 ELOB                      |           |                                |            |           |         |                                 |
| C5   | 1              |       | 1 ELEX                      |           |                                |            | 1         | 1 GNAP  | 5 FORM                          |
| D1   | ✓              |       |                             | 1         |                                |            |           |         |                                 |
| D2   | ✓              | ✓     |                             |           |                                |            |           |         |                                 |
| D3   | ✓              | ✓     |                             |           |                                |            |           |         |                                 |
| D4   | ✓              |       | 1 ELOB                      |           | 1 CURCU                        |            |           |         | 1 FORM                          |
| D5   | ✓              |       |                             | 1         |                                |            |           | 1 THOM  | 2 FORM<br>1 VESPID<br>(1 CHNEU) |

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 26DATE/TIME OPENED: 01 July 2002/1200DATE/TIME CLOSED: 05 July 2002/1030OBSERVERS: D. Huber, N. Kaplan, J. Dyson, B. GradyCURRENT WEATHER: 80s SunnyGENERAL WEATHER DURING SESSION: 80s/90s Sunny, dry

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp)   | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders | Other                        |
|------|----------------|-------|-------------------------------|-----------|--------------------------------|------------|-----------|---------|------------------------------|
| A1   | ✓              |       | 1ELFU 2ELOB                   | 1PAEL     |                                |            |           |         |                              |
| A2   | ✓              |       | 1ELH1                         |           |                                |            |           |         |                              |
| A3   | ✓              |       |                               |           |                                |            |           | 1LYCOS  | 1FORM<br>1LEPIDLARVA         |
| A4   | ✓              |       |                               | 2         |                                |            |           |         |                              |
| A5   | ✓              |       | 1ELX 1ELFU                    | 1         | 1CERAM<br>1CURCU               |            |           |         |                              |
| B1   | 0              |       | 2ELOB <del>2ELX</del><br>7ELX |           |                                |            |           |         | 1windscorpion<br>(Solpugida) |
| B2   | ✓              | ✓     |                               |           |                                |            |           |         |                              |
| B3   | 1              |       | 1emmu 1ASPO                   |           |                                |            |           |         | 2FORM                        |
| B4   | ✓              | ✓     |                               |           |                                |            |           |         |                              |
| B5   | 0              |       |                               | 1         |                                |            |           |         |                              |
| C1   | 2              | ✓     |                               |           |                                |            |           |         |                              |
| C2   | ✓              |       | 1ELOB                         |           |                                |            |           |         |                              |
| C3   | 1              |       | 1ELOB                         |           | 1SCARAB                        |            |           |         |                              |
| C4   | ✓              | ✓     |                               |           |                                |            |           |         |                              |
| C5   | 0              |       | 4ELX                          |           |                                |            |           |         |                              |
| D1   | 0              |       | 1ELX 2ELOB<br>1EMMU           |           | 1CURCU                         |            |           | 1GNAT   | 1LEPID LARVA                 |
| D2   | ✓              |       |                               | 1         |                                |            |           | 1LYCOS  | 1SPRINGTAIL<br>(Campodeidae) |
| D3   | 0              |       | 3ELOB 2ELX<br>1ELH1           | 1         |                                |            |           |         |                              |
| D4   | ✓              |       | 1ELH1                         | 3         |                                |            |           |         | 5 FORM                       |
| D5   | 0              |       |                               |           |                                |            |           |         | 1FORM                        |

82

P. Stapp, 4/98

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

WEB CODE: 25

DATE/TIME OPENED: 01 July 2002/10:00 DATE/TIME CLOSED: 05 July 2002/10:00

OBSERVERS: D. Huber, M. Kaplan, B. Grady, J. Dyson

CURRENT WEATHER: 80s Sunny

GENERAL WEATHER DURING SESSION: 80s/90s Sunny, dry

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae      | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders          | Other             |
|------|----------------|-------|-----------------------------|----------------|--------------------------------|------------|-----------|------------------|-------------------|
| A1   | /              |       | 1 ELEX                      |                |                                |            |           | 1 GNAP           |                   |
| A2   | /              | ✓     | _____                       |                |                                |            |           |                  | Cup full of urine |
| A3   | /              | ✓     | _____                       |                |                                |            |           |                  |                   |
| A4   | /              |       | <del>MELE</del>             | 1 PAEL         |                                |            |           | 1 GNAP           |                   |
| A5   | /              |       | 2 ELFU                      |                |                                |            |           |                  |                   |
| B1   | 0              | ✓     | _____                       |                |                                |            |           |                  |                   |
| B2   | /              |       | 2 ELEX                      |                |                                |            |           |                  |                   |
| B3   | 1              |       | 1 ELEX                      | 1              |                                |            |           |                  |                   |
| B4   | /              |       |                             | <del>5</del> 5 | 1 CURCU                        |            |           | 1 THER<br>1 GNAP |                   |
| B5   | 1              |       | 1 ELEX                      |                | 1 CURCU                        |            |           |                  | Water in the cup  |
| C1   | 0              |       | 1 ELHI                      |                |                                |            |           | 1 GNAP           | 3 FORM            |
| C2   | /              |       | 1 ELFU                      |                |                                |            |           |                  |                   |
| C3   | 0              |       |                             |                | 7 CURCU                        |            |           |                  | 1 FORM            |
| C4   | /              |       | 2 ELFU                      |                | 1 CURCU                        |            |           |                  |                   |
| C5   | 0              |       | 1 ELHI                      |                |                                |            |           |                  | 1 FORM            |
| D1   | 2              | ✓     | _____                       |                |                                |            |           |                  | Cup full of urine |
| D2   | /              |       | 4 ELFU                      |                |                                |            |           |                  |                   |
| D3   | 0              | ✓     | _____                       |                |                                |            |           |                  |                   |
| D4   | /              |       | 1 ELFU                      |                |                                |            |           |                  | 3 FORM            |
| D5   | 1              |       | 1 ELHI 2 ELEX               |                |                                |            |           |                  |                   |



# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 24DATE/TIME OPENED: 01 July 2002 / 9:30DATE/TIME CLOSED: 05 July 2002 / 9:30OBSERVERS: D. Huber, J. Dyson, B. Grady, N. KaplanCURRENT WEATHER: 80s SunnyGENERAL WEATHER DURING SESSION: 80s/90s - Sunny - dry

| Trap | No. In Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae         | Other beetles (list Family) | Orthoptera         | Hemiptera | Spiders          | Other   |
|------|-------------|-------|-----------------------------|-------------------|-----------------------------|--------------------|-----------|------------------|---------|
| A1   | /           |       | 1 EMCO                      |                   | 1 SCARAB                    |                    |           | 1 LYCOS          |         |
| A2   | /           |       | 1 ELFU                      | 1 <del>ELFU</del> | 2 SILPHID<br>1 CURCU        | 1 GRYL<br>1 GRYPAC |           |                  |         |
| A3   | /           |       | 1 ELOR                      |                   |                             | 1 GRYPAC           |           | 1 SALT           |         |
| A4   | /           |       | 1 ELOR<br>1 ELFU            |                   |                             | 1 GRYPAC           |           |                  |         |
| A5   | /           |       |                             | 1                 |                             | 1 GRYPAC           |           |                  | 5 FORM  |
| B1   | 0           |       |                             | 1                 | 1 CERAM                     |                    |           | 1 THOM           |         |
| B2   | /           |       | 1 ELOR<br>1 EMCO            | 1                 |                             |                    |           | 1 THER           |         |
| B3   | 1           |       |                             |                   |                             |                    | 1         |                  | 1 FORM  |
| B4   | /           |       |                             |                   |                             |                    |           | 1 LYCOS          | 1 FORM  |
| B5   | 0           |       | 1 ELOR                      |                   |                             | 1 GRYPAC           |           | 2 GNAP<br>1 THOM |         |
| C1   | 0           |       |                             |                   |                             |                    |           |                  | 1 FORM  |
| C2   | /           |       |                             | 1 PAEL            | 4 CERAM                     |                    |           |                  |         |
| C3   | 0           |       |                             |                   |                             | 1 GRYPAC           |           |                  | 1 FORM  |
| C4   | /           |       | 1 EMCO                      |                   |                             |                    |           | 1 GNAP           |         |
| C5   | 0           |       |                             |                   | 2 CERAM<br>1 CURCU          | 1 GRYPAC           |           | 2 GNAP<br>1 THOM |         |
| D1   | 0           |       | 1 ELFU<br>1 ELHI            | 1                 | 1 CERAM                     | 1 ACRID            |           |                  |         |
| D2   | /           |       | 1 ELHI                      |                   |                             | 1 GRYPAC           |           |                  | 20 FORM |
| D3   | 0           | /     |                             |                   |                             |                    |           |                  |         |
| D4   | /           |       | 3 ELFU                      | 1                 |                             |                    |           |                  |         |
| D5   | 0           |       |                             |                   |                             | 2 GRYPAC           |           |                  | 3 FORM  |

ok

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

WEB CODE: 13SW

DATE/TIME OPENED: 01 July, 2002/900 DATE/TIME CLOSED: 05 July, 2002/900

OBSERVERS: D. Huber, B. Grady, J. Dyson, N. Kaplan

CURRENT WEATHER: Sunny 80's

GENERAL WEATHER DURING SESSION: Sunny 80's - 90's / dry

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders | Other                  |
|------|----------------|-------|-----------------------------|-----------|--------------------------------|------------|-----------|---------|------------------------|
| A1   | 1              |       | 3 ELOR<br>1 ELOR            |           | 1 CERAM                        | 3 GRAC     |           | 1 LYCOS |                        |
| A2   | /              |       | 1 ELOR                      | 1         |                                |            |           |         | 3 FORM                 |
| A3   | 0              |       | 1 ELHI<br>1 ELUNK           |           | 1 Melandryidae                 |            |           | 3 GNAP  | 4 FORM                 |
| A4   | /              |       | 1 ELHI                      |           |                                |            |           |         | 1 FORM                 |
| A5   | 0              |       | 1 ELER, 1 ELHI              |           | 1 CERAM                        |            |           |         | 1 FORM                 |
| B1   | 0              |       | 3 ELOR                      |           |                                | 1 GRAC     |           | 1 GNAP  | 2 VESPID<br>(CICHNEU)  |
| B2   | /              |       | 3 ELOR<br>1 ELOR            | 1 PAEL    |                                |            |           | 1 THOM  | 5 FORM<br>1 ACARID     |
| B3   | 0              |       |                             |           |                                |            |           | 1 GNAP  | 5 FORM                 |
| B4   | /              |       | 1 ELOR                      | 1         | 1 CURCU                        |            |           |         | 15 FORM                |
| B5   | 0              |       |                             | 1         | 1 CERAM                        | 1 GRAC     |           | 1 LYCOS |                        |
| C1   | 0              |       | 1 ELHI<br>3 ELOR            |           |                                |            |           |         | 1 FORM                 |
| C2   | /              |       | 1 ELFU                      | 1 PAEL    | 1 CERAM                        |            |           |         |                        |
| C3   | 0              |       |                             |           |                                | 2 GRAC     |           |         |                        |
| C4   | /              |       | 1 ELHI                      |           |                                |            |           |         |                        |
| C5   | 0              |       | 3 ELOR                      |           |                                |            |           |         |                        |
| D1   | /              |       |                             |           |                                | 2 GRAC     |           |         |                        |
| D2   | /              |       |                             |           |                                | 1 GRAC     |           |         | 1 FORM                 |
| D3   | /              | ✓     |                             |           |                                |            |           |         |                        |
| D4   | /              |       | 1 ELOR                      |           |                                | 1 GRAC     |           |         |                        |
| D5   | /              |       | 1 ELFU                      |           |                                |            |           |         | 2 FORM<br>2 Machilidae |

TP 100

ok

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

WEB CODE: 13NW

DATE/TIME OPENED: 01 July 2002/8:00 DATE/TIME CLOSED: 05 July 2002/8:00

OBSERVERS: D. Huber, J.B. Grady, J. Dyson, N. Kaplan

CURRENT WEATHER: Sunny, 80s

GENERAL WEATHER DURING SESSION: Sunny 80s/90s, dry

| Trap | No. In Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles (list Family) | Orthoptera | Hemiptera | Spiders          | Other                          |
|------|-------------|-------|-----------------------------|-----------|-----------------------------|------------|-----------|------------------|--------------------------------|
| A1   | /           |       | 2 ELFU                      |           |                             |            |           |                  | 1 FORM                         |
| A2   | /           |       | 2 ELDB                      |           |                             |            |           | 1 LYCOS          | 1 FORM                         |
| A3   | /           |       | 1 ELFU<br>1 ELEX            |           | 1 CURCU                     |            |           | 1 GNAP           | 2 FORM                         |
| A4   | /           |       |                             |           | 1 CURCU                     |            |           |                  | 2 FORM                         |
| A5   | /           |       | 1 EMMU 3 ELFU<br>2 ELOR     | 2         | 1 CURCU                     |            | 1 PENTA   | 1 SALT<br>1 GNAP | <del>1 FORM</del><br>20 ACARID |
| B1   | O           |       | 1 ELHI                      |           |                             |            |           |                  | 1 FORM                         |
| B2   | /           | ✓     |                             |           |                             |            |           |                  |                                |
| B3   | O           |       |                             | 1         |                             |            |           |                  |                                |
| B4   | /           |       | 1 ELHI                      |           |                             |            |           |                  | 2 FORM                         |
| B5   | O           |       |                             |           | 2 CURCU                     |            |           |                  | 10 FORM<br>1 LARVAE            |
| C1   | O           |       |                             |           |                             |            |           |                  | 1 FORM                         |
| C2   | /           |       | 2 ELFU                      |           |                             |            |           | 1 SALT           | 2 FORM                         |
| C3   | O           |       | 1 ELFU<br>1 ELOR            |           | 1 SCARAB                    |            |           |                  | 12 FORM                        |
| C4   | /           | ✓     |                             |           |                             |            |           |                  |                                |
| C5   | ↑           |       | 1 ELFU                      |           |                             |            |           |                  | 3 FORM                         |
| D1   | O           |       | 1 ELHI                      |           |                             |            |           |                  | 10 ACARID (MITE)               |
| D2   | /           |       |                             |           |                             |            |           | 2 GNAP           | 5 FORM<br>1 ACARID             |
| D3   | O           |       |                             | 2         |                             |            |           |                  | 5 FORM                         |
| D4   | /           |       |                             |           |                             |            |           |                  | 1 FORM                         |
| D5   | O           |       |                             |           |                             |            |           |                  | 1 NESPID (MITE)<br>12 FORM     |

GENERAL WEATHER DURING SESSION: 80s, dry

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders          | Other            |
|------|----------------|-------|-----------------------------|-----------|--------------------------------|------------|-----------|------------------|------------------|
| A1   |                |       | 1ELOR<br>2ELFU              |           |                                | 1GRILL     |           | 3LYCOS<br>1THERI | 5 FORM           |
| A2   |                |       | 1ELOB                       |           | 1CHRYSO                        |            |           | 1GNAP            | 5 FORM           |
| A3   |                |       | 1ELOR 1ELOB<br>1ELFU        | 2         | 1SCARAB                        |            |           |                  | 15 FORM          |
| A4   |                |       | 2ELOR 1ELFU<br>1UNK         | 1         |                                |            |           | 3GNAP<br>1LYCOS  |                  |
| A5   |                |       | 1ELFU                       |           |                                |            |           | 1GNAP            | 2 APID           |
| B1   |                |       |                             |           |                                |            |           |                  | 2 FORM           |
| B2   |                |       | 1ELOR                       |           |                                |            |           | 3GNAP            | 4 FORM           |
| B3   |                |       | 1ELEX                       |           | 1CHRYSO                        |            |           | 1LYCOS           | 1 FORM<br>1 APID |
| B4   |                |       | 2ELFU 1ELOR                 |           | 3CURCU<br>1CHRYSO              | 1GRYAC     |           | 1                | 5 FORM           |
| B5   |                |       | 2ELOR 2ELFU                 |           |                                |            |           |                  |                  |
| C1   |                |       | 2ELFU                       |           | 2CHYSO                         |            |           |                  |                  |
| C2   |                | ✓     |                             |           |                                |            |           |                  |                  |
| C3   |                |       | 1ELFU                       |           | 1SCARAB                        |            |           |                  | 1LEPID<br>2 FORM |
| C4   |                |       | 1ELOR                       |           | 1CHRYSO                        |            |           | 1LYCOS           | 2 FORM           |
| C5   |                |       | 1ELOB 1ELOR<br>2ELEX        | 1         |                                |            |           |                  |                  |
| D1   |                |       | 1ELEX                       |           |                                |            | 2GRYAC    |                  |                  |
| D2   |                |       | 1ELOR 1ELOB<br>1ELEX        |           | 1CURCU<br>1CHRYSO              |            | 1GRYAC    | 1LYCOS           | 1LEPID<br>3 FORM |
| D3   |                |       | 1ELTR                       | 1         | 1CHRYSO                        |            |           |                  |                  |
| D4   |                |       |                             |           |                                |            | 1GRYAC    |                  | 1HYMEN<br>2 FORM |
| D5   |                |       |                             |           |                                |            | 2GRYAC    |                  |                  |

ok

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

WEB CODE: 13NWDATE/TIME OPENED: 10 June 2002 / 8:45 DATE/TIME CLOSED: 14 June 2002 / 8:45OBSERVERS: D. Huber, Laura Jamison, N. KaplanCURRENT WEATHER: warm, 80s, dryGENERAL WEATHER DURING SESSION: warm, 80s, dry

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae           | Other beetles<br>(list Family) | Orthoptera     | Hemiptera | Spiders          | Other              |
|------|----------------|-------|-----------------------------|---------------------|--------------------------------|----------------|-----------|------------------|--------------------|
| A1   |                |       | 1 ELCO                      | <del>NUM</del><br>1 | 1 SCARAB<br>2 CURCU            | <del>NUM</del> |           |                  | <del>NUM</del>     |
| A2   |                |       | 4 ELFU                      | 1                   |                                |                |           | 1 LYCOS          |                    |
| A3   |                |       | 2 ELFU                      |                     |                                |                |           | 1 GNAP           | 1 HYMEN<br>8 FORM  |
| A4   |                |       | 1 ELHI                      | 1 LAEVAE            | 1 CURCU                        |                |           | 1 GNAP<br>1 THOM | 1 HYMEN            |
| A5   |                |       | 5 ELOR                      |                     |                                |                |           | 1 GNAP           | 1 FORM             |
| B1   |                |       |                             |                     | 1 CURCU                        |                |           |                  | 25 FORM            |
| B2   |                |       | 2 ELFU                      | 1                   |                                |                |           |                  | 1 HYMEN<br>1 FORM  |
| B3   |                |       | 1 ELEX                      | 1                   |                                |                |           | 1 GNAP           | 1 LEPID<br>15 FORM |
| B4   |                |       | 3 ELFU                      |                     |                                | 1 GRAC         |           |                  |                    |
| B5   |                |       | 1 EMMU                      |                     |                                |                |           | 2 LYCOS          | 1 FORM             |
| C1   |                |       |                             | 1                   |                                |                |           | 2 GNAP           | 1 FORM             |
| C2   |                |       | 1 ELOR                      |                     |                                |                |           | 1 GNAP           |                    |
| C3   |                |       |                             | 2                   |                                | 1 ACRID        |           |                  | 6 FORM             |
| C4   |                |       | 1 ELEX                      |                     |                                |                |           |                  |                    |
| C5   |                |       | 1 ELHI                      | 4                   |                                |                |           |                  | 2 FORM             |
| D1   |                |       |                             | 1 PAEL              |                                | 2 GRAC         |           |                  |                    |
| D2   |                |       |                             | 2                   |                                |                |           |                  | 10 FORM            |
| D3   |                |       |                             |                     | 1 SCARAB                       |                |           |                  | 2 HYMEN            |
| D4   |                |       |                             | 2                   |                                |                |           |                  | 1 FORM             |
| D5   |                |       | 2 ELFU                      |                     |                                |                |           |                  | 3 HYMEN<br>1 APID  |

WEB CODE: 135w

WEB CODE: 135W  
DATE/TIME OPENED: 16 June 2002/9:20 DATE/TIME CLOSED: 14 June 2002/9:20

OBSERVERS: Dave Huber Laura Jamison, Nicole Kaplan

CURRENT WEATHER: 80s, dry

GENERAL WEATHER DURING SESSION: 80s, dry

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae     | Other beetles<br>(list Family)       | Orthoptera | Hemiptera | Spiders           | Other             |
|------|----------------|-------|-----------------------------|---------------|--------------------------------------|------------|-----------|-------------------|-------------------|
| A1   |                |       | 2 ELOR<br>1 ELHI            |               |                                      |            |           |                   | 1 APID<br>15 FORM |
| A2   |                |       | 2 ELOR                      | 4             |                                      |            |           |                   | 20 FORM           |
| A3   |                |       | 1 ELOR<br>1 ELTR            |               | 1 SCARAB                             |            |           |                   | 25 FORM           |
| A4   |                |       | 3 ELFU                      |               |                                      |            |           |                   | 3 FORM            |
| A5   |                |       | 1 ELEX<br>1 ELFU            | 1 ELOR        |                                      |            |           | 1 LYCOS           | 1 APID<br>3 FORM  |
| B1   |                |       | 1 ELOR                      | 1 PAEL        |                                      | 1 GRAC     |           |                   |                   |
| B2   |                |       | 1 ELFU                      | 4             |                                      |            |           |                   |                   |
| B3   |                |       | 1 ELHI                      | 1             |                                      |            |           | 1 GNAP            | 6 FORM            |
| B4   |                |       | 1 ELOR                      |               |                                      |            |           |                   | 25 FORM           |
| B5   |                |       | 1 ELEX                      |               |                                      |            |           |                   |                   |
| C1   |                |       | 5 ELOR                      | 3 PAEL        | 1 SCARAB                             | 1 GRAC     |           |                   | 1 FORM            |
| C2   |                |       | 3 ELOR                      | 2             |                                      | 1 GRAC     |           | 2 GNAP            | 1 FORM            |
| C3   |                |       |                             | 1<br>1 LARVAE | 1 SCARAB                             |            |           |                   | 6 APID<br>5 FORM  |
| C4   |                |       | 1 ELHI                      | 1 PAEL        |                                      |            |           |                   | 3 FORM            |
| C5   |                |       | 1 ELHI                      |               |                                      |            |           | 2 GNAP            | 20 FORM           |
| D1   |                |       | 1 ELOR                      | 2             |                                      |            |           | 1 GNAP            | 1 FORM            |
| D2   |                |       | 2 ELOR                      | 2 PAEL        |                                      |            |           | 1 LYCOS<br>1 GNAP |                   |
| D3   |                |       |                             | 2             |                                      |            |           |                   |                   |
| D4   |                |       |                             |               | 1 Machilidae<br>(Jumping Bricketail) |            |           | 2 GNAP            | 5 FORM            |
| D5   |                | ?     | NEVER                       |               | OPENED                               |            |           |                   |                   |

OR

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

WEB CODE: 25  
 DATE/TIME OPENED: 10 June 2002/10:40 DATE/TIME CLOSED: 14 June 2002/10:40  
 OBSERVERS: Dave Huber, Laura Jamison, Nicole Kaplan  
 CURRENT WEATHER: 80s, dry  
 GENERAL WEATHER DURING SESSION: 80s, dry

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp)  | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders         | Other                           |
|------|----------------|-------|------------------------------|-----------|--------------------------------|------------|-----------|-----------------|---------------------------------|
| A1   |                |       | 1ELEX                        |           |                                |            |           | 3LYCOS          |                                 |
| A2   |                |       |                              | 1         |                                |            |           | 1GNAP           | 1FORM                           |
| A3   |                |       | 1ELOB 2ELEX                  | 2         | 2CURCU<br>1SCARAB              |            |           | 2LYCOS          |                                 |
| A4   |                |       | 1ELRO 1ELEX                  |           | 1CURCU                         |            |           | 1GNAP           |                                 |
| A5   |                |       | 1ELOB 1ELEX 1ELFU            | 2         | 1CURCU                         |            |           |                 | 5 FORM                          |
| B1   |                |       | 1ELFU                        | 1         |                                |            |           | 2LYCOS          |                                 |
| B2   |                |       | 1ELEX                        |           |                                |            |           | 1LYCOS          | 1 APID                          |
| B3   |                |       | 4ELEX 1ELRO<br><i>double</i> | 1         | 1CURCU                         |            |           | 1GNAP           | 2 HYMEN<br>4 APID               |
| B4   |                |       | 1ELEX<br>1ELFU               |           |                                |            |           |                 |                                 |
| B5   |                |       | 2ELEX                        | 1         | 3CURCU                         |            |           |                 | 1 LEPID, 2 FOR<br>1 LEPID LARVA |
| C1   |                |       | 1ELHI 3ELEX                  | 1         |                                |            |           |                 | 1 APID                          |
| C2   |                |       | 1ELOR                        | 3         | 1CURCU                         |            |           |                 | 5 FORM                          |
| C3   |                |       | 6ELEX                        | 1         |                                |            |           | 1LYCOS<br>1SALT | 1 APID                          |
| C4   |                |       | 1ELEX                        |           |                                |            |           | 1THOM           |                                 |
| C5   |                |       | 2ELEX                        | 2         |                                |            |           | 1GNAP           | 3 FORM<br>1 APID                |
| D1   |                |       | 3ELEX                        | 1         | 1MURCU<br>1SCARAB              |            |           |                 |                                 |
| D2   |                |       | 2ELEX                        | 1         | 2CURCU                         |            |           | 1LYCOS          |                                 |
| D3   |                |       | 2ELOB 5ELEX                  | 1         |                                |            |           |                 | 1 DIPTERA                       |
| D4   |                |       | 1ELHI 1ELFU 1ELEX            |           |                                |            |           | 1LYCOS          | 1 FORM<br>1 LEPID LARVA         |
| D5   |                | ✓     |                              |           |                                |            |           |                 |                                 |

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 26DATE/TIME OPENED: 10 June 2002/13:00 DATE/TIME CLOSED: 14 June 2002/11:15OBSERVERS: Dave Huber, Laura Jamison, Nicole KaplanCURRENT WEATHER: 80s, DryGENERAL WEATHER DURING SESSION: 80s, Dry

| Trap | No. In Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles (list Family) | Orthoptera | Hemiptera | Spiders         | Other            |
|------|-------------|-------|-----------------------------|-----------|-----------------------------|------------|-----------|-----------------|------------------|
| A1   |             | ✓     |                             |           |                             |            |           |                 |                  |
| A2   | ✓           | ✓     |                             |           |                             |            |           |                 |                  |
| A3   |             |       | 1ELM 3ELEX                  | 2         |                             |            |           | 1LYCOS          | 1 FORM           |
| A4   |             |       | 2ELEX                       |           | 1CURCU<br>3SCARAB           | 1GRYAC     |           |                 |                  |
| A5   |             |       | 4ELEX                       | 1         |                             |            |           | 1LYCOS          | 1 HYMEN          |
| B1   |             |       | 1ELEX                       |           | 1SCARAB                     |            |           | 1SAUT<br>1LYCOS | 3 FORM           |
| B2   |             |       |                             | 3         | 1CURCU                      |            |           | 1LYCOS          |                  |
| B3   |             |       |                             |           |                             |            |           | 1THOM           |                  |
| B4   |             |       | 5ELEX                       | 1         |                             |            |           |                 | 1 FORM           |
| B5   |             |       | 1ELEX 2ELOB                 |           |                             |            |           |                 | 1 FORM           |
| C1   |             |       | 1ELEX 1ELFU                 |           |                             |            |           |                 |                  |
| C2   |             |       | 1ELEX                       | 1         |                             |            |           | 1LYCOS<br>1GNAP | 1 FORM           |
| C3   |             |       | 1ELFU                       | 8         | 1CHRYSO                     |            |           |                 |                  |
| C4   |             |       | 2ELEX                       |           |                             |            |           |                 | 2 FORM           |
| C5   |             |       | 1ELEX 1ELFU                 | 6         | 1SCARAB<br>1CURCU           |            |           |                 |                  |
| D1   |             |       | 1ELOR                       |           |                             |            |           | 1GNAP<br>1THOM  | 1LYCOS<br>1 FORM |
| D2   |             |       |                             | 1PAEL     |                             |            |           | 1LYCOS          |                  |
| D3   |             |       | 1ELEX                       | 1         |                             |            |           |                 | 2 FORM           |
| D4   |             |       | 3ELEX                       |           | 1CHRYSO<br>1SCARAB          |            |           |                 |                  |
| D5   |             |       | 2ELEX                       |           |                             |            | 1CHVI     |                 | 1 HYMEN          |



insect plant un - chart sheet  
phenology  
pictures  
test camera

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

P. Stapp, 4/98

ok

WEB CODE: 27

DATE/TIME OPENED: 10 June 2002/13:30 DATE/TIME CLOSED: 14 June 2002/11:45

OBSERVERS: Dave Huber, Laura Jamison, Nicole Kaplan

CURRENT WEATHER: 80s, dry

GENERAL WEATHER DURING SESSION: 80s dry

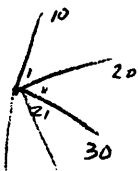
| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders           | Other                       |
|------|----------------|-------|-----------------------------|-----------|--------------------------------|------------|-----------|-------------------|-----------------------------|
| A1   |                |       | 1 ELOR                      | 1         |                                |            |           |                   | 2 FORM                      |
| A2   |                | ✓     |                             |           |                                |            |           |                   |                             |
| A3   |                |       | 1 ELEX                      |           |                                |            |           | 1 GNAP            | 2 FORM<br>1 APID<br>1 HYMEN |
| A4   |                |       |                             | 1         |                                |            |           |                   |                             |
| A5   |                |       | 5 ELEX                      |           |                                |            |           |                   |                             |
| B1   |                |       |                             | 1         |                                |            |           | 1 THOR            |                             |
| B2   |                | ✓     |                             |           |                                |            |           |                   |                             |
| B3   |                |       |                             |           |                                |            |           | 1 THOR            |                             |
| B4   |                |       |                             | 1         |                                |            |           |                   |                             |
| B5   |                |       |                             | 1         |                                |            |           |                   | 1 FORM                      |
| C1   |                | ✓     |                             |           |                                |            |           |                   |                             |
| C2   |                |       |                             | 1 PAEL    |                                |            |           |                   | 2 FORM                      |
| C3   |                |       | 2 ELOR 1 ELFU               |           |                                |            |           |                   | 1 FORM                      |
| C4   |                |       | 1 ELOR 1 ELFU               |           |                                |            |           | 1 LYCOS           | 1 FORM                      |
| C5   |                |       | 1 ELEX                      |           | 1 CURON                        |            |           |                   |                             |
| D1   |                |       |                             | 1         |                                |            | 1 GREAC   |                   |                             |
| D2   |                |       |                             |           |                                |            |           | 1 THOR            | 1 HYMEN                     |
| D3   |                |       |                             | 3         |                                |            |           | 1 LYCOS           | 1 HYMEN<br>1 APID 1 FORM    |
| D4   |                |       | 1 ELEX                      | 3         |                                |            |           | 1 THOR            |                             |
| D5   |                |       |                             |           |                                |            |           | 1 LYCOS<br>1 GNAP |                             |

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 135WDATE/TIME OPENED: 06 May 2002/10:00 DATE/TIME CLOSED: 13 May 2002/11:27OBSERVERS: N. Kaplan, D. Huber, J. Dyson, L. Jamison, B. GradyCURRENT WEATHER: DRY, COOLGENERAL WEATHER DURING SESSION: DRY, WINDY, COOL

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae   | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders                    | Other                            |
|------|----------------|-------|-----------------------------|-------------|--------------------------------|------------|-----------|----------------------------|----------------------------------|
| A1   |                |       | 1ELH                        | 1           |                                |            |           |                            | 10 FORM                          |
| A2   |                |       |                             | 1           |                                |            |           |                            | 15 FORM                          |
| A3   |                |       |                             |             |                                |            |           |                            | 1 LEPID LARVAE<br>1 HYMEN 1 FORM |
| A4   |                |       |                             |             |                                |            |           |                            | 10 FORM                          |
| A5   |                |       |                             |             | 1 CURCU                        |            |           |                            | 8 FORM<br>1 APID                 |
| B1   |                |       |                             | 1           |                                |            |           | 1 GNAP                     |                                  |
| B2   |                |       |                             | 1 PAEL<br>1 |                                |            |           |                            | 1 FORM                           |
| B3   |                |       |                             | 2           |                                |            |           | 1 GNAP                     | 7 FORM                           |
| B4   |                |       |                             |             |                                |            |           |                            | 10 FORM                          |
| B5   |                |       | 1ELH<br>1ELOB               | 3           |                                |            |           |                            | 5 FORM                           |
| C1   |                |       |                             |             |                                |            |           |                            | 1 APID<br>1 FORM                 |
| C2   |                |       | 1EOR                        | 1 PAEL<br>1 |                                |            |           |                            | 1 FORM                           |
| C3   |                |       | 1ELEX                       |             | 1 CURCU                        |            |           |                            | 3 FORM<br>1 AMPHY                |
| C4   |                |       | 1ELOB                       |             | 1 CURCU                        |            |           | 1 SALT                     |                                  |
| C5   |                |       |                             |             |                                |            |           |                            | 20 FORM<br>1 APID                |
| D1   |                |       | 1ELEX                       | 1           |                                |            |           |                            | 10 FORM                          |
| D2   |                |       | 1ELEX                       | 2           |                                |            |           |                            | 1 AMPHY<br>5 FORM                |
| D3   |                |       | 1ELH 1ELH                   | 2           | 1 CURCU                        |            |           | 1 GNAP                     |                                  |
| D4   |                |       | 1EOR 2ELOB                  | 8           |                                |            |           | 1 GNAP<br>1 THER<br>1 THOM | 1 - 1                            |
| D5   |                |       | 1EOR, 1ELH                  |             |                                |            |           |                            | 20 FORM                          |



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

WEB CODE: 13NW

DATE/TIME OPENED: 6 May 2002/9:00

DATE/TIME CLOSED: 13 May 2002/10:15

OBSERVERS: N. Kaplan, D. Huber, J. Dyson, B. Gready, L. Jamison

CURRENT WEATHER: Dry, cool

GENERAL WEATHER DURING SESSION: DRY, COOL, WINDY

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders          | Other                            |
|------|----------------|-------|-----------------------------|-----------|--------------------------------|------------|-----------|------------------|----------------------------------|
| A1   |                |       |                             | 1         | 1 SCARAB                       |            |           |                  | 1 NYMPH<br>1 FORM                |
| A2   |                |       |                             | 3         |                                |            |           | 1 THERI          | 1 LAMPY 3 FORM<br>1 LEPID LARVAE |
| A3   |                |       | 1 ELHI 2 ELOR<br>2 ELOR     | 1         |                                |            |           | 1 GNAP           |                                  |
| A4   |                |       | 1 ELHI                      |           |                                |            |           |                  | 1 FORM                           |
| A5   |                |       |                             |           | 1 MELOID                       |            |           |                  | 1 FORM                           |
| B1   |                |       |                             |           | 1 CURCU                        |            |           |                  |                                  |
| B2   | —              | ✓     | DESTROYED                   |           |                                |            |           |                  |                                  |
| B3   |                |       |                             | 3         |                                |            |           | 1 GNAP<br>1 THOM | 1 ANT LION                       |
| B4   |                |       |                             |           |                                |            |           |                  | 2 FORM                           |
| B5   |                |       | 1 EMCO<br>1 ELFU            |           |                                | 1 GRYL     |           |                  | 2 LEPID LARVAE                   |
| C1   |                |       |                             | 1         | 1 CURCU                        |            |           |                  | 1 FORM                           |
| C2   |                |       |                             |           | 1 CURCU                        |            |           | 1 GNAP           |                                  |
| C3   |                |       |                             |           |                                |            |           | 1 SALT           | 7 FORM                           |
| C4   |                |       |                             |           |                                |            |           |                  | 1 LEPID                          |
| C5   |                |       |                             | 2         | 2 CURCU                        |            |           |                  | 2 LEPID LARVAE 2 FORM            |
| D1   |                |       |                             | 3         |                                |            |           |                  | 10 FORM                          |
| D2   |                |       | 1 ELOR                      | 2         |                                |            |           |                  |                                  |
| D3   |                | ✓     |                             |           |                                |            |           |                  |                                  |
| D4   |                |       |                             |           |                                |            |           |                  | 5 FORM                           |
| D5   |                |       | 1 ELHI                      |           |                                |            |           |                  | 1 ANT LION<br>1 LEPID LARVAE     |

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 24DATE/TIME OPENED: 06 May 2002 / 11:00DATE/TIME CLOSED: 13 May 2002 / 12:30OBSERVERS: N. Kaplan, D. Huber, J. Dixon, L. Janison, B. GradyCURRENT WEATHER: Cool, dryGENERAL WEATHER DURING SESSION: Cool, dry, windy

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp)    | Carabidae     | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders           | Other                            |
|------|----------------|-------|--------------------------------|---------------|--------------------------------|------------|-----------|-------------------|----------------------------------|
| A1   |                |       | 2 ELOR 1 EMCO<br>1 ELHI        |               | 1 MELOID                       | 1 GRILL    |           |                   | 1 FORM                           |
| A2   |                |       | 1 ELOR 1 ELEX<br>1 ELHI 1 ELFU |               | 1 SCARAB                       |            |           | 1 THOM            | 3 APID<br>3 FORM                 |
| A3   |                |       |                                |               |                                |            |           |                   | 3 FORM                           |
| A4   |                |       |                                |               |                                |            |           | 2 THERI           | 5 FORM                           |
| A5   |                |       |                                | 2             |                                |            |           |                   | 2 FORM<br>1 HYMEN                |
| B1   |                |       | 1 ELFU                         | 1             |                                |            |           |                   |                                  |
| B2   |                |       | 2 ELOR                         | 2             |                                |            |           |                   | 1 LEPID LARVAE<br>1 HYMEN 1 LEAD |
| B3   |                |       | 7 ELEX 7 ELHI                  | 1 SCARAB      |                                |            |           | 2 THOM            | 1 APID                           |
| B4   |                |       | 1 ELEX                         |               |                                |            |           | 2 GNAP            | 1 APID                           |
| B5   |                |       |                                |               |                                |            |           | 3 THOM            | 5 APID FORM<br>1 HYMEN           |
| C1   |                |       | 1 ELOR                         | 1             |                                |            |           |                   | 1 LEPID LARVAE                   |
| C2   |                | ✓     |                                |               |                                |            |           |                   |                                  |
| C3   |                |       |                                |               |                                |            |           | 1 LYCOS           | 2 LEPID<br>2 FORM                |
| C4   |                |       |                                | 2             |                                |            |           | 1 LYCOS           |                                  |
| C5   |                |       |                                | 4             |                                |            |           | 1 SALT<br>1 THERI | 10 FORM                          |
| D1   |                |       |                                |               |                                |            |           |                   | 1 APID                           |
| D2   |                |       | 1 ELEX 1 ASOP                  | 1             |                                |            |           |                   | 5 FORM                           |
| D3   |                |       | 1 ELOR<br>1 ELEX               |               |                                |            |           |                   | 1 FORM                           |
| D4   |                |       | 1 ELEX                         | 1 LARVAE<br>1 |                                |            |           |                   | 2 APID 2 HYMEN<br>15 FORM        |
| D5   |                |       | 1 ELEX                         |               |                                |            |           |                   | 2 APID                           |

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 25DATE/TIME OPENED: 06 May 2002/13:20 DATE/TIME CLOSED: 13 May 2002/13:20OBSERVERS: N. Kaplan, D. Huber, B. Grady, J. Dyson, L. JamisonCURRENT WEATHER: dry, coolGENERAL WEATHER DURING SESSION: dry, cool, windy

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders                 | Other                   |
|------|----------------|-------|-----------------------------|-----------|--------------------------------|------------|-----------|-------------------------|-------------------------|
| A1   |                |       | 12LOB 1ELEX                 |           |                                |            |           | 3GNAP<br>4THOM<br>1UNK. | 3APID<br>5FORM          |
| A2   |                |       |                             |           | 1SCARAB                        |            |           |                         | 1FORM                   |
| A3   |                |       | 1ELEX                       |           | 1CURCU                         |            |           | 1THOM                   | 1FORM                   |
| A4   |                |       | 1ELEX                       | 1         |                                |            |           |                         |                         |
| A5   |                |       | 4ELEX                       | 1         | 1CURCU                         |            |           | 2THERI<br>1GNAP         |                         |
| B1   |                |       | 1ELHI 7ELEX<br>12LOB        |           |                                |            |           | 1THOM<br>1GNAP          |                         |
| B2   |                |       | 1ELEX<br>12LOB              | 1         |                                |            |           | 1GNAP<br>2TITOM         | 1LEPID<br>LARVAE        |
| B3   |                | ✓     |                             |           |                                |            |           |                         |                         |
| B4   |                |       | 1ELEX                       | 3         |                                |            |           |                         | 1LEPID<br>LARVAE        |
| B5   |                |       | 2ELEX                       |           |                                |            |           | 1GNAP                   | 2HYMEN                  |
| C1   |                |       | 2ELEX                       | 1         |                                |            |           |                         | 1HYMEN                  |
| C2   |                |       | 4ELEX                       |           |                                |            |           |                         | 1LEPID<br>LARVAE        |
| C3   |                |       |                             |           | 1SCARAB                        |            |           | 2THERI<br>1THOM         | 1LEPID<br>LARVAE 3FORM  |
| C4   |                |       |                             |           |                                |            |           |                         | 1LEPID                  |
| C5   |                |       |                             | 1         |                                |            |           |                         | 1LEPID<br>1LEPID LARVAE |
| D1   |                |       | 1ELEX                       |           |                                |            |           | 1THERI                  | 1APID<br>1LEPID         |
| D2   |                |       |                             |           | 1MELDID                        |            |           | 1THERI                  |                         |
| D3   |                |       |                             | 1         | 1MELDID                        |            |           |                         |                         |
| D4   |                | ✓     |                             |           |                                |            |           |                         |                         |
| D5   |                |       |                             |           |                                |            | 1GRYAC    | 1MAMA                   |                         |

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 26DATE/TIME OPENED: 06 May 2002 / 14:00DATE/TIME CLOSED: 13 May 2002 / 14:00OBSERVERS: N. Kaplan, D. Huber, B. Grady, J. Dyson, L. JamisonCURRENT WEATHER: cool, dryGENERAL WEATHER DURING SESSION: cool, dry, windy

| Trap | No. In Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles (list Family) | Orthoptera | Hemiptera | Spiders           | Other                            |
|------|-------------|-------|-----------------------------|-----------|-----------------------------|------------|-----------|-------------------|----------------------------------|
| A1   |             |       |                             |           |                             |            |           |                   | 1 FORM                           |
| A2   |             |       | 2 ELEX                      | 1 PAEL    |                             |            |           |                   | 1 HYMEN                          |
| A3   |             |       | 1 ELEX                      |           |                             |            |           |                   |                                  |
| A4   |             |       | 3 ELEX                      | 2         |                             |            |           |                   |                                  |
| A5   |             |       | 1 ELHI 5 ELEX               | 4         |                             |            |           |                   | 1 HYMEN                          |
| B1   |             |       | 1 ELEX                      |           |                             |            |           | 1 GNAP            |                                  |
| B2   |             |       |                             | 1         |                             |            |           | 1 SALI            | 1 LEPID LARVAE<br>5 FORM         |
| B3   |             |       |                             | 1         |                             |            |           | 1 THER            | 1 FORM                           |
| B4   |             |       | 3 ELEX                      |           |                             |            |           |                   | 1 LEPID LARVAE                   |
| B5   |             |       | 1 ELEX                      | 1         | 1 SCARAB                    |            |           |                   | 1 FORM                           |
| C1   |             |       | 3 ELEX                      | 1         |                             |            |           |                   | 1 LEPID<br>1 DIPTERA             |
| C2   |             |       | 1 ELEX<br>1 ELOB            |           |                             |            |           |                   | 1 LEPID LARVAE                   |
| C3   |             |       |                             | 1         |                             |            |           |                   |                                  |
| C4   |             |       |                             |           |                             |            |           | 1 LYCOS           | 2 FORM                           |
| C5   |             |       |                             |           |                             |            |           |                   | 1 LEPID                          |
| D1   |             |       | 1 ELOR<br>2 ELEX            |           |                             |            |           |                   | 4 APID 1 LEPID<br>1 LEPID LARVAE |
| D2   |             |       |                             |           |                             | 1 ACRID    |           | 1 SALI            | 1 WIND SCORPION                  |
| D3   |             |       |                             | 3         |                             |            |           | 2 THER            | 1 LEPID LARVAE                   |
| D4   |             |       | 1 ELHI 5 ELEX               | 1         |                             |            |           | 1 THER            | 1 UNK. LARVAE                    |
| D5   |             |       |                             |           |                             |            |           | 1 LYCOS<br>1 THER | 1 APID<br>1 FORM                 |

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 27DATE/TIME OPENED: 06 May 2002/15:00DATE/TIME CLOSED: 13 May 2002/14:30

OBSERVERS: \_\_\_\_\_

CURRENT WEATHER: \_\_\_\_\_

GENERAL WEATHER DURING SESSION: \_\_\_\_\_

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders           | Other                      |
|------|----------------|-------|-----------------------------|-----------|--------------------------------|------------|-----------|-------------------|----------------------------|
| A1   |                |       | 3 ELEX                      |           |                                |            |           |                   |                            |
| A2   |                |       |                             |           |                                |            |           |                   | 1 FORM                     |
| A3   |                |       | 1 ELEX                      |           |                                |            |           | 1 SPID            | 1 LEPID<br>1 APID 1 DIPTER |
| A4   |                |       |                             |           |                                |            |           |                   | 1 FORM                     |
| A5   |                |       | 1 ELOR                      | 1         |                                |            |           |                   | 1 WIND<br>SCORPION         |
| B1   |                |       |                             |           | 2 SCARAB                       |            |           | 1 THERI           |                            |
| B2   |                |       |                             |           |                                |            |           | 1 THERI           | 1 LEPID                    |
| B3   |                |       |                             |           |                                | 1 GRAC     |           | 1 GNAP            | 2 FORM<br>2 APID           |
| B4   |                | ✓     |                             |           |                                |            |           |                   |                            |
| B5   |                |       |                             |           |                                |            |           | 1 WNK.            |                            |
| C1   |                |       |                             | 1         |                                |            |           |                   |                            |
| C2   |                |       |                             |           |                                |            |           |                   | 1 ANTLION                  |
| C3   |                |       |                             |           |                                |            |           | 1 LYXOS<br>1 GRAC |                            |
| C4   |                |       | 2 ELOR                      |           | 1 MELOID                       |            |           |                   | 1 FORM<br>1 APID 1 LEPID   |
| C5   |                |       | 1 EMCO 1 ELEX               | 1         | 1 SCARAB                       |            |           |                   | 3 FORM                     |
| D1   |                |       |                             |           |                                |            |           | 1 THOM            | 2 FORM                     |
| D2   |                |       | 2 ELEX                      |           |                                |            |           |                   | 2 FORM<br>2 LEPID 1 LARVA  |
| D3   |                |       | 1 ELEX                      | 1         |                                |            |           |                   | 3 FORM                     |
| D4   |                |       | 2 ELEX                      | 1         |                                |            |           |                   | 1 FORM<br>1 LEPID 1 LARVA  |
| D5   |                |       | 1 EMCO                      |           |                                |            |           |                   |                            |

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: (3NW)

DATE/TIME OPENED: 05 Aug 2002/800 DATE/TIME CLOSED: 09 Aug 2002/9:24

OBSERVERS: N. Kaplan, R. Smoly, L. Jamison, J. Isaacs, M. Anderson, S. Redering

CURRENT WEATHER: 60s Sunny, breezy

GENERAL WEATHER DURING SESSION: 80s, P.m. Thunderstorms

| Trap      | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders | Other              |
|-----------|----------------|-------|-----------------------------|-----------|--------------------------------|------------|-----------|---------|--------------------|
| A1        | 1              |       | 1ELHI<br>1EMCO              | 1         |                                |            |           |         | 1FORM              |
| A2        |                | ✓     |                             |           |                                |            |           |         |                    |
| A3        |                |       | 1ELOB 1ELFU<br>1EMMU        |           |                                | 1GRYAC     |           |         |                    |
| <u>A4</u> |                |       | 1ELHI                       |           |                                |            |           |         | 2FORM<br>1ACARID   |
| A5        |                |       | 2ELOR<br>1ASOP              | 2         |                                |            |           |         | 5FORM              |
| B1        | 1              |       |                             |           |                                |            |           |         |                    |
| B2        | ✓              |       | 1ELHI<br>1ASOP              |           |                                |            |           |         | 1WINDSOR.<br>3FORM |
| B3        | 0              |       | 1ASOP                       |           |                                |            |           |         |                    |
| B4        | ✓              |       | 2ELFU                       | 1         | 1CUCU                          |            | 1LAMPY    |         | 4FORM              |
| B5        | 0              |       |                             |           |                                |            |           |         | 1FORM              |
| C1        | 1              |       | 2ELHI<br>1ELEX              |           |                                | 1GRYAC     |           |         | 1HEMIP             |
| C2        | ✓              |       | 1ASOP                       |           |                                |            |           |         |                    |
| C3        | 0              |       | 1ASOP<br>1ELOR              |           |                                |            |           |         | 2FORM              |
| C4        | ✓              |       |                             |           |                                |            | 1COREID   |         |                    |
| C5        | 0              |       |                             | 1         |                                |            |           | 1GNAP   |                    |
| D1        | 0              |       | 1ASOP                       |           | 3CURCU                         |            |           |         | 1FORM              |
| D2        | ✓              |       |                             | 2         |                                | 1GRYAC     |           |         | 1ACARID            |
| D3        | 1              |       | 3ASOP                       | 1         |                                | 1GRYAC     |           | 1GNAP   | 1FORM              |
| D4        | ✓              | ✓     |                             |           |                                |            |           |         |                    |
| D5        | 0              |       |                             |           |                                |            |           | 1GNAP   |                    |



# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 135WDATE/TIME OPENED: 05 Aug 2002/0900DATE/TIME CLOSED: 09 Aug 2002/1930OBSERVERS: B. Grady, M. Anderson, L. Jamison, N. Kaplan, J. Isaacs, S. KaterbergCURRENT WEATHER: 60s, Breezy, SunnyGENERAL WEATHER DURING SESSION: 80s, afternoon thunderstorms

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae          | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders           | Other                 |
|------|----------------|-------|-----------------------------|--------------------|--------------------------------|------------|-----------|-------------------|-----------------------|
| A1   | 1              |       | 7 ELOR                      | 1                  |                                |            |           |                   | 5 FORM                |
| A2   | 1              |       | 1 EMMU<br>1 EMCO            |                    |                                |            |           |                   | 4 FORM                |
| A3   | 1              |       |                             |                    |                                |            |           |                   | 1 SILVERASH<br>5 FORM |
| A4   | 1              |       | 1 ELDB                      |                    |                                |            |           | 1 SALT            | 3 FORM                |
| A5   | 1              |       | 1 EMCO<br>1 ELOR            |                    |                                |            |           |                   | 7 FORM                |
| B1   | 1              |       | 1 ELOR                      |                    | 1 CURCU                        |            |           |                   | 5 FORM                |
| B2   | 1              |       | 3 ASOP 1 ELHI 1 ELDB        | 1                  |                                |            |           |                   | 1 MUTIL<br>2 FORM     |
| B3   | 0              |       | 4 ASOP 1 ELHI 2 ELOR        |                    |                                |            |           |                   | 1 FORM                |
| B4   | 1              |       | 2 ASOP 1 ELHI<br>1 ELFU     |                    | 1 SCARAB                       | 1 GRAC     |           |                   | 35 FORM               |
| B5   | 0              |       | 1 ELEX                      |                    |                                |            |           |                   | 20 FORM               |
| C1   | 1              |       |                             |                    |                                |            |           |                   | 1 SKINK               |
| C2   | 1              |       | 3 ASOP<br>1 ELOR            | 1 PAEL<br>(former) |                                |            |           |                   |                       |
| C3   | 0              |       |                             |                    |                                |            |           |                   | 2 FORM                |
| C4   | 1              |       | 1 ELFU                      |                    |                                |            |           |                   | 10 FORM               |
| C5   | 0              |       |                             |                    |                                |            |           |                   | 1 FORM                |
| D1   | 0              |       | 1 ELOR<br>3 ELHI            | 1                  |                                | 1 GRAC     |           |                   | 5 FORM<br>1 HYMENOPT  |
| D2   | 1              |       | 1 ELOR<br>1 ELHI            | 1                  |                                |            |           | 1 LYCOS<br>1 THOM | 10 FORM               |
| D3   | 0              |       |                             | 1                  |                                |            |           | 2 THIEL           | 1 FORM                |
| D4   | 1              |       | 1 ASOP                      |                    |                                |            |           |                   | 3 FORM                |
| D5   | 0              |       | 1 ELHI                      |                    |                                |            | 3 GRAC    |                   |                       |

# SGS-LTER Long-Term Monitoring Project

## Arthropod Abundance on Trapping Webs

WEB CODE: 24DATE/TIME OPENED: 05 Aug 2002/1000 DATE/TIME CLOSED: 09 AUG 2002/1030OBSERVERS: N. Kaplan, B. Grady, J. Isaacs, M. Anderson, S. Rasker, L. JamisonCURRENT WEATHER: 60s, breezy, SunnyGENERAL WEATHER DURING SESSION: 80s, p.m. thunderstorms

| Trap | No. In Hoop | Empty | Tenebrionidae (list by Spp) | Carabidae | Other beetles (list Family) | Orthoptera | Hemiptera | Spiders | Other                           |
|------|-------------|-------|-----------------------------|-----------|-----------------------------|------------|-----------|---------|---------------------------------|
| A1   | /           |       | 1 ELHI                      | 1         |                             |            |           |         | 1 MUTIL 8 FORM<br>1 ACARID      |
| A2   | /           |       | 1 EMCO 1 ELFU               | 2         |                             | 1 GRAC     |           |         |                                 |
| A3   | /           |       | 1 ELHI                      |           | 4 CURCU                     | 1 GRAC     |           |         | 1 FORM                          |
| A4   | /           |       | 1 ELOR 1 EMCO<br>1 ELHI     | 1 PAEL    |                             |            |           | 1 GNAP  | 1 HYMEN<br>6 FORM               |
| A5   | /           |       | 1 ELOR                      |           |                             |            |           |         | 4 FORM                          |
| B1   | 0           |       | 1 GLSO                      |           |                             |            |           |         | 3 FORM                          |
| B2   | /           |       |                             |           |                             |            |           | 1 LYCOS | 2 FORM                          |
| B3   | 0           | ✓     |                             |           |                             |            |           |         |                                 |
| B4   | /           |       | 2 ELEX                      |           |                             |            |           |         |                                 |
| B5   | 0           |       |                             |           |                             |            |           |         | 2 FORM                          |
| C1   | 0           |       |                             |           |                             |            |           |         | 1 FORM                          |
| C2   | /           |       |                             |           |                             |            |           |         | 1 FORM                          |
| C3   | 0           |       | 1 ASOP                      |           |                             | 1 GRAC     |           |         | 1 ANTLION                       |
| C4   | /           |       | 1 ELFU                      |           |                             |            |           |         |                                 |
| C5   | 0           |       |                             |           |                             |            |           |         | 2 FORM                          |
| D1   | 0           |       | 1 EMCO                      |           |                             |            |           |         |                                 |
| D2   | /           |       | 1 EMCO                      | 1         |                             |            |           |         | 1 SKINK 1 ROYE<br>10 FORM BEETL |
| D3   | 0           |       | 2 EMCO<br>1 ELOR            |           | 1 CURCU<br>1 CARAB          |            |           |         | 5 FORM                          |
| D4   | /           |       | 1 ELFU                      | 1         |                             |            |           | 1 GNAP  | 1 ACARID<br>1 ANTLION           |
| D5   | 0           |       | 1 ELOB                      | 2         |                             |            |           |         |                                 |

SGS-LTER Long-Term Monitoring Project  
Arthropod Abundance on Trapping WebsWEB CODE: 25DATE/TIME OPENED: 05 AUG 2002/1030DATE/TIME CLOSED: 09 AUG 2002/1130OBSERVERS: M. Anderson, S. Ratering, L. Jamison, B. Grady, N. Kaplan, J. IsaacsCURRENT WEATHER: 60s sunny breezyGENERAL WEATHER DURING SESSION: 80s, p.m. thunderstorms

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp)        | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders | Other                     |
|------|----------------|-------|------------------------------------|-----------|--------------------------------|------------|-----------|---------|---------------------------|
| A1   | 1              |       |                                    |           |                                | 1 GRAC     |           | 1 THER  |                           |
| A2   | 1              |       | 4 ELOB                             |           |                                |            |           |         | 2 FORM                    |
| A3   | 1              |       | 1 ELOB 1 ELEX<br><del>1 ELOB</del> |           |                                |            |           |         |                           |
| A4   | 1              |       |                                    | 1         |                                |            |           |         |                           |
| A5   | 1              |       |                                    | 1         |                                |            |           |         |                           |
| B1   | 3              |       | 1 ELEX                             |           |                                |            |           |         |                           |
| B2   | 1              |       | 1 ELEX                             |           |                                |            |           | 1 THOM  | 5 ACARID                  |
| B3   | 1              |       | 1 ELFU 1 ELEX                      |           | 1 SILPHID                      |            |           | 1 GNAP  | 4 ACARID<br>10 FORM       |
| B4   | 1              |       | 1 ELOB                             |           |                                |            |           | 1 LYCOS | 1 LAMPYR<br>5 FORM        |
| B5   | 1              |       | 1 unknown<br>(decapitated)         |           |                                |            |           |         | 1 FORM                    |
| C1   | 0              |       |                                    |           | 1 CURCU                        |            |           |         | 1 FORM                    |
| C2   | 1              |       | 4 ELEX 1 ASPO                      | 1         | 1                              |            |           | 1 LYCOS | 4 HYMEN<br>1 MUTIL 4 FORM |
| C3   | 0              |       |                                    |           | 1 CURCU                        |            |           | 1 THER  |                           |
| C4   | 1              |       | 1 ELFU 2 ELEX                      | 4         | 3 CURCU                        |            |           |         | 2 ACARID<br>5 FORM        |
| C5   | 0              |       | 2 ELEX                             |           |                                |            |           | 1 GNAP  |                           |
| D1   | 0              |       | 3 ELHI 4 ELFU                      | 1         |                                |            |           |         |                           |
| D2   | 1              |       | 1 ELEX                             |           |                                |            |           |         | 1 FORM<br>1 HYMEN         |
| (D3) | 0              |       | 1 ELOB                             |           |                                |            |           |         | 2 FORM<br>1 ANTILO        |
| D4   | 1              |       | 1 ELOB                             |           | 1 CURCU                        |            |           |         | 2 FORM<br>1 EPID LARVAE   |
| D5   | 2              |       | 1 ELOB 1 ELHI 2 ELEX               | 1 PAEL    | 2 CURCU                        |            |           | 1 GNAP  | 24 FORM                   |

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

P. Stapp, 4/98

WEB CODE: 26

DATE/TIME OPENED: 05 AUG 2002/1100

DATE/TIME CLOSED: 09 AUG 2002/1130

OBSERVERS: N. Kaplan, S. Katerina, L. Jamison, B. Grady, J. Issacs, M. Anderson

CURRENT WEATHER: 70s, sunny, breezy

GENERAL WEATHER DURING SESSION: 80s, p.m. thunderstorms

| Trap | No. In<br>Hoop | Empty | Tenebrionidae (list by Spp)    | Carabidae | Other beetles<br>(list Family) | Orthoptera | Hemiptera | Spiders           | Other              |
|------|----------------|-------|--------------------------------|-----------|--------------------------------|------------|-----------|-------------------|--------------------|
| A1   | 1              |       | 1 ELOB                         |           |                                |            |           | 1 LYCOS           |                    |
| A2   | 1              |       |                                |           | 1 CURCU                        |            |           |                   |                    |
| A3   | 1              |       | 1 ELEX                         |           |                                | 1 GRAC     |           |                   | 2 FORM             |
| A4   | 1              |       |                                |           |                                | 1 GRAC     |           |                   | 5 FORM             |
| A5   | 1              |       |                                | 1 LARVAE  |                                |            |           |                   | 2 FORM             |
| B1   | 0              |       | 1 ELEX                         |           |                                |            |           |                   | 9 FORM             |
| B2   | 1              |       |                                | 1         | 1 CURCU                        |            |           | 1 SALT            | 5 FORM             |
| B3   | 0              |       |                                |           |                                |            |           | 1 THOM            |                    |
| B4   | 1              |       | 1 ELHI                         |           |                                |            |           | 1 SALT<br>1 THER  | 5 FORM             |
| B5   | 1              |       | 2 ELEX                         |           |                                |            |           |                   | 2 FORM             |
| C1   | 0              |       | 2 ELOB 3 ELOB<br>1 EMMU 1 EMCO | 2         |                                |            |           |                   | 1 FORM             |
| C2   | 1              | ✓     |                                |           |                                |            |           |                   |                    |
| C3   | 1              |       | 1 EMMU 1 ELOB<br>1 ELEX        |           |                                |            |           | 2 SALT            |                    |
| C4   | 1              |       | 1 EMMU 1 ELHI                  | 4         | 1 CURCU                        |            |           | 1 SALT<br>1 GRAC  | 1 MANTID<br>1 FORM |
| C5   | 0              |       | 1 EMMU                         |           |                                |            |           |                   | 1 LAMPID           |
| D1   | 0              |       | 2 ELEX 1 ELOB                  |           | 1 CURCU                        |            |           |                   |                    |
| D2   | 1              |       | 1 ELHI<br>1 ELEX               | 1         |                                |            |           | 1 SALT            | 2 FORM             |
| D3   | 0              |       | 1 ELEX 1 EMCO<br>1 ELOB        | 1         |                                |            |           | 1 LYCOS           | 5 FORM             |
| D4   | 1              |       | 1 ELHI                         |           |                                |            |           |                   |                    |
| D5   | 0              |       | 1 ELOB 4 ELEX                  | 1         |                                |            |           | 1 LYCOS<br>1 SALT |                    |

no funnel, no shade cover on traps

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

P. Stapp, 4/98

WEB CODE: 27

DATE/TIME OPENED: 05 AUG 2002 / 1130

DATE/TIME CLOSED: 09 AUG 2002 / 1230

OBSERVERS: B. Grady, S. Keteung, J. Issacs, L. Jamison, M. Anderson, N. Kaplan

CURRENT WEATHER: 70s, sunny, breezy

GENERAL WEATHER DURING SESSION: 80s, p.m. Thunderstorms

| Trap | No. In Hoop | Empty | Tenebrionidae (list by Spp)   | Carabidae | Other beetles (list Family) | Orthoptera | Hemiptera | Spiders          | Other                       |
|------|-------------|-------|-------------------------------|-----------|-----------------------------|------------|-----------|------------------|-----------------------------|
| A1   | 1           |       | 1 ELEX 1 ROB<br>1 ELOB 1 ELHI |           |                             |            |           |                  | 2 FORM                      |
| A2   |             |       | 1 ROB                         |           |                             |            |           | 1 SALT<br>1 GNAP |                             |
| A3   |             |       | 1 EMMU 1 ELOB                 |           | 1 CURCU<br>1 SCARAB         |            |           |                  | 8 FORM                      |
| A4   |             |       | 1 EMMU, 1 ELEX                | 1         |                             | 1 GRAC     |           |                  |                             |
| (A5) | 1           |       | 2 ELOB 1 ELHI<br>1 ELFI       |           | 1 CURCU                     |            |           |                  | 1 LAMATY WIND<br>3 FORM SDR |
| B1   | 1           |       |                               |           |                             |            |           | 1 THERI          |                             |
| B2   | /           |       |                               |           |                             |            |           |                  | 2 ACAPID                    |
| B3   | 0           |       | 1 ELOB 2 ELHI<br>1 ASOP       |           |                             |            |           | 1 GNAP           | 12 FORM                     |
| B4   | /           |       | 1 EMMU 1 ROB<br>2 ELEX        | 3         | 1 CURCU                     | 1 GRAC     |           |                  | 2 FORM                      |
| B5   | 0           |       |                               |           |                             |            |           | 1 THERI          |                             |
| C1   | 0           |       | 1 ELOB 1 EMMU                 |           |                             | 2 GRAC     |           |                  | 1 FORM                      |
| C2   | /           |       | 1 ELOB 1 ELEX                 |           |                             |            |           |                  | 1 FORM                      |
| C3   | 2           |       | 3 ELEX                        |           | 1 CURCU                     |            |           |                  |                             |
| C4   | /           |       | 1 ELOB, 1 ELOB, 1 ASO         | 2         |                             | 1 GRAC     |           |                  | 2 FORM                      |
| C5   | 0           |       | 1 ASPO                        | 1         | 1 CURCU                     |            |           |                  |                             |
| D1   | 1           |       | 1 ELOB                        | 1         |                             |            |           |                  | 1 FORM                      |
| D2   | /           |       | 1 ELEX                        |           | 1 CURCU                     |            |           | 1 THERI          |                             |
| D3   | 0           |       | 1 ELOB, 1 ELOB, 1 ELEX        |           |                             |            |           |                  |                             |
| D4   | /           | ✓     |                               |           |                             |            |           |                  |                             |
| D5   | 1           |       | 1 ELSU                        |           |                             |            |           |                  |                             |