

## Project Summary Sheet – Year 2002

Project Name Long-Term Lagomorph Monitoring - Rabbit Count  
Project Number ARS# 98  
Principal Investigator(s) Paul Stapp  
Dates of Data Collection 11 April 2002, 12 July 2002, 04 OCT 2002  
Plot Names / Specific Location of study area(s) ~20 mile transect  
across CPER

Full Names of Data Collectors Jim Nelson, John Norman, Lukas Lindquist  
Mark Lindquist, Laurel Hartley, Jenna Lindquist,  
Nicole Kaplan, Seth Rattling, Beth Grady, Molly Anderson, Laura Jamison

Names of Associated Files and Databases LTER-a/grants/Lter/WorkStudy/  
ARS# 98-LT-Animal-Mon-Data/lagomorphs/RABBIT-COUNT-2001 & all lag2.xls  
www-data on Limberpine\sgs\lterdb\LTMontrRabbitCount (1994-Jan 1998)  
Summary of Data Collected (How are data sheets organized? How many pages are in each section? etc.) open to publi.

11 April 2002 - 3 pages  
12 July 2002 - 3 pages  
04 Oct 2002, - 2 pages

Questions and Concerns

Date copies of data sheets were sent to PI(s) OB 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 Mark Lindquist

SGS-LTER Long-Term Monitoring Project  
Spotlight Rabbit CountCIRCLE ONE: CPER PNG47 Leca  
4 Leto  
8 SyauDATE (day-month-year) 11 April 2002OBSERVERS M.D. Lindquist, L. Hartley, J. Nelson, J. Newman, N. KaplanWEATHER Cloudy, 13.9°CSTART TIME 20:14END TIME 23:27INITIAL MILEAGE 0.0END MILEAGE 20.6

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	0.40	9.5	1	20:17	N S <u>(E)</u> W	FU	GR	Sub Adult
LECA	0.70	0.0	1	20:21	N S <u>(E)</u> W	FU	GR	Sub Adult
MEME	1.0	—	1	20:23	N S <u>(E)</u> W	FU	GR	—
LECA	1.0	37.5	1	20:23	N S <u>(E)</u> W	FU	GR	Adult
LETO	1.60	8.0	1	20:29	N S <u>(E)</u> W	SW	GR	
LETO	2.6	36.0	1	20:39	<u>(N)</u> S E W	SW	GR	
LECA	3.10	19.5	2	20:45	N S <u>(E)</u> W	FL	MX/AC	
SYAU	3.70	0.0	1	20:50	<u>(N)</u> S E W	FL	MX/AC	
SYAU	4.30	23.0	1	20:56	N <u>(S)</u> E W	MS	YU	
LECA	4.50	23.0	2	20:59	<u>(N)</u> S E W	MS	MX/AC	
LECA	4.70	11.0	1	21:02	<u>(N)</u> S E W	FL	MX/AC	
SYAC	5.00	23.5	1	21:04	N <u>(S)</u> E W	FL	MX/AC	
LECA	5.10	0.0	1	21:07	N S <u>(E)</u> W	FL	MX/AC	Sub Adult
LECA	5.2	29.5	3	21:08	<u>(N)</u> S E W	FL	MX/AC	
LECA	5.30	0.0	1	21:09	N S <u>(E)</u> W	FL	MX/AC	
LECA	5.80	0.0	2	21:13	N S <u>(E)</u> W	FL	MX/AC	
SYAU	5.90	22.0	1	21:15	<u>(N)</u> S E W	FL	HU	ARS H.Q.
SYAU	5.90	29.0	1	21:15	N S <u>(E)</u> W	FL	HU	ARC corrals

(18 rows)

Topography codes:

FU flat upland

FL flat lowland

MS midslope

RG ridgetop

SW swale

CR creek drainage

AC saltbush

YU yucca

MX mixed grassland (w/AC or YU)

Vegetation codes:

GR grassland

HU human structure (&lt;30 m)

SGS-LTER Long-Term Monitoring Project  
Spotlight Rabbit CountCIRCLE ONE: CPER PNGDATE (day-month-year) 11 April 2002OBSERVERS M. Lindquist, L. Hartley, J. Nelson, J. Norman, N. KaplanWEATHER Cloudy, 11.6°C

START TIME \_\_\_\_\_

END TIME \_\_\_\_\_

INITIAL MILEAGE \_\_\_\_\_

END MILEAGE \_\_\_\_\_

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	6.0	28.0	1	21:17	N S <u>E</u> W	FL	HU	ARS H.Q.
LECA	6.0	23.0	1	21:17	N <u>S</u> E W	FL	HU	ARS H.Q.
ANAP	6.6	—	4	—	N S E <u>W</u>	FL	MX/AC	
LECH	7.0	0.0	1	21:23	N <u>S</u> E W	FL	MX/AC - RD.	439
LECH	7.0	18.0	1	21:24	N S <u>E</u> W	FL	MX/AC	
LECA	7.0	31.0	1	21:24	N S E <u>W</u>	FL	MX/AC	
LECH	7.20	24.0	1	21:27	N S <u>E</u> W	FL	MX/AC	Sub-adult
LECA	7.30	33.0	2	21:30	N S <u>E</u> W	FL	MX/AC	Sub-adult
LECA	7.50	19.0	1	21:31	N S <u>E</u> W	FL	MX/AC	Sub-adult
LECA	7.80	19.0	1	21:34	N S <u>E</u> W	FL	MX/AC	
LECA	8.1	27.0	1	21:37	N <u>S</u> E W	RG	MX/HU	Burred 9/dec
LECA	8.3	21.5	1	21:38	N <u>S</u> E W	RG	MX/HU	Sub Adult
LECA	8.7	32.0	2	21:41	N <u>S</u> E W	FL	ALG/ALa	field
LECH	8.9	28.0	1	21:44	N <u>S</u> E W	FL	MX/AC	
LECA	9.0	43.0	2	21:45	N <u>S</u> E W	FL	ALG/ALa	
LECA	10.1	73.5	4	21:54	N S E <u>W</u>	FL	MX/AC	
LECA	10.3	20.5	2	21:58	N <u>S</u> E W	FL	MX/AC	
LECH	11.2	10.0	1	22:00	N <u>S</u> E W	FL	MX/AC	

(18 rows)

Topography codes:

FU flat upland  
FL flat lowland  
MS midslope  
RG ridgetop  
SW swale  
CR creek drainage

AC saltbush  
YU yucca

MX mixed grassland (w/AC or YU)

Vegetation codes:

GR grassland  
HU human structure (<30 m)

# SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNGDATE (day-month-year) 11 April 2002OBSERVERS M. Lindquist, L. Hartley, J. Nelson, J. Nauman, N. KaplanWEATHER Cloudy, 9.8°CSTART TIME 20:14END TIME 23:27INITIAL MILEAGE 0.00END MILEAGE 20.6

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	11.6	65.0	1	22:10	N S <u>(E)</u> W	TL	MX/AC	
LECA	12.2	34.0	1	22:16	N S <u>(E)</u> W	TL	GR	
LECA	13.1	0.0	1	22:27	N S <u>(E)</u> W	FU	GR	
LECA	13.1	33.0	1	22:27	N S <u>(E)</u> W	FU	GR	
LECA	13.3	11.5	1	22:32	N S <u>(E)</u> W	FU	GR	
ANAM	—	—	3	22:32	N S <u>(E)</u> W	FU	GR	
LECA	14.5	33.5	1	22:42	<u>(N)</u> S E W	FL	MX/AC	
LECA	14.7	43	1	22:45	<u>(N)</u> S E W	TL	MX/AC	
SYAC	16.2	23	3	22:54	<u>(N)</u> S E W	FU	GR	near sorting Corral
VUVE	16.9	—	2	23:00	N S E <u>(W)</u>	FU	GR	
LETO	17.3	0.0	2	23:05	<u>(N)</u> S E W	FU	GR	
LECA	18.0	7.0	1	23:10	N S <u>(E)</u> W	RG	GR	
DIOR	20.0	—	1	23:24	N S E <u>(W)</u>	FU	GR	
END	20.6	—	—	23:27	N S E W	—	—	—
					N S E W			
					N S E W			
					N S E W			
					N S E W			

(18 rows)

**Topography codes:**

FU flat upland

FL flat lowland

MS midslope

RG ridgetop

SW swale

CR creek drainage

AC saltbush

YU yucca

MX mixed grassland (w/AC or YU)

**Vegetation codes:**

GR grassland

HU human structure (&lt;30 m)

# SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNGDATE (day-month-year) 7/12/02OBSERVERS Both Brady, Molly Anderson, Mark LinquistWEATHER CLEARSTART TIME 2125END TIME 0130INITIAL MILEAGE 0000END MILEAGE 20.6

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	.2	18.5	1	2130	N S <u>E</u> W	FU	GR	
LFCA	.5	15.5	2	2132	N S <u>E</u> W	RG	GR	
LECA	.7	38.0	1	2136	N S E <u>W</u>	MS	GR	
MEME	1.0		1	2143	N S <u>E</u> W	MS	GR	
LECA	1.6	48.5	1	2148	N S E <u>W</u>	MS	MX	
SYAU	1.7	25.0	1	2151	<u>N</u> S E W	MS	MX	
ANAM	2.0		3	2155	N S E <u>W</u>	MS	MX	
LECA	2.3	52.5	1	2158	N S <u>E</u> W	RG	MX	
ANAM	2.8		6	2206	N <u>S</u> E W	FL	MX	
LETO	3.0	32.0	1	2208	N <u>S</u> E W	FL	MX	
LFCA	3.2	10.5	1	2211	N <u>S</u> E W	FL	MX	
ANAM	3.2	10.5	1	2213	<u>N</u> S E W	FL	MX	
ANAM	3.3		2	2214	N <u>S</u> E W	FL	MX	
LFCA	3.5	11.5	1	2216	<u>N</u> S E W	FL	MX	
SYAU	3.6	14.0	1	2218	N <u>S</u> E W	FL	MX	
LECA	3.6	77.0	1	2219	<u>N</u> S E W	MS	MX	
LFCA	4.0	42.5	1	2226	<u>N</u> S E W	MS	MX	
LECA	4.0	27.0	1	2229	N <u>S</u> E W	MS	MX	

(18 rows)

**Topography codes:**

FU flat upland

RG ridgetop

AC saltbush

GR grassland

FL flat lowland

SW swale

YU yucca

HU human structure (&lt;30 m)

MS midslope

CR creek drainage

MX mixed grassland (w/AC or YU)

**Vegetation codes:**

# SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNGDATE (day-month-year) 7/12/02OBSERVERS Molly Henderson, Beth Brady, Mark LinquistWEATHER CLEARSTART TIME 2125END TIME 0130INITIAL MILEAGE 0000END MILEAGE 20.6

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	4.5	00.0	1	2236	N S <u>E</u> W	MS	MX	In Road
LECA	4.6	40.5	1	2238	N <u>S</u> E W	CR	MX	
LECA	5.1	32.0	1	2244	N S <u>E</u> W	MS	MX	
LECA	5.3	17.5	3	2247	N <u>S</u> E W	FL	MX	
SYAU	5.8	41.5	1	2252	N S E <u>W</u>	FL	MX	
SYAU	5.8	2.0	1	2253	<u>N</u> S E W	FL	HU	ARS
SYAU	5.8	10.0	1	2255	N <u>S</u> E W	FL	HU	ARS
LECA	6.9	21.5	2	2303	N S E <u>W</u>	FL	MX	
LECA	8.1	44.0	1	2312	<u>N</u> S E W	FL	MX	
LECA	8.5	35.0	1	2316	<u>N</u> S E W	FL	MX	
LECA	8.5	40.0	5	2318	<u>N</u> S E W	FL	GR	Alfalfa Field
LECA	8.8	48.0	6	2322	<u>N</u> S E W	FL	GR	Alfalfa Field
ODHE	9.0		3	2325	<u>N</u> S E W	FL	GR	Alfalfa
LECA	9.0	42.5	2	2325	N <u>S</u> E W	FL	MX	
LECA	9.6	74.0	1	2332	N <u>S</u> E W	FL	MX	
SYAU	11.0	39.5	2	2346	<u>N</u> S E W	FL	MX	Windmill
LECA	11.6	26.5	1	2353	N S E <u>W</u>	FL	MX	
GHOW	12.2		1	2400	<u>N</u> S E W	FL	MX	

(18 rows)

**Topography codes:**

FU flat upland

RG ridgetop

AC saltbush

FL flat lowland

SW swale

YU yucca

MS midslope

CR creek drainage

MX mixed grassland (w/AC or YU)

**Vegetation codes:**

GR grassland

HU human structure (&lt;30 m)

# SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPR PNGDATE (day-month-year) 7/12/02OBSERVERS Molly Anderson, Beth Brady, Mark LinquistWEATHER CLEARSTART TIME 2125END TIME 0130INITIAL MILEAGE 0000END MILEAGE 20.6

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	12.8	11.0	2	0006	N S E <u>W</u>	FU	GR	
VUVE	13.0		3	0009	N S E <u>W</u>	FU	GR	
SYAU	13.0	36.0	1	0009	N S <u>E</u> W	FU	GR	
LECA	13.2	54.0	1	0013	N S E <u>W</u>	FU	GR	
SYAU	14.5	35.0	1	0029	<u>N</u> S E W	FU	MX	
LECA	14.7	62.0	1	0031	<u>N</u> S E W	FU	MX	
LECA	14.8	44.5	2	0035	<u>N</u> S E W	FU	MX	
LECA	15.0	15.5	1	0038	<u>N</u> S E W	FU	MX	
LECA	15.7	57	1	0043	N S <u>E</u> W	FU	GR	
ANAM	15.8		1	0046	N S <u>E</u> W	FU	GR	
SYAU	16.4	3.5	1	0051	N <u>S</u> E W	MS	GR	
SYAU	16.5	9.0	1	0056	N <u>S</u> E W	MS	GR	
LETO	16.9	42.0	2	0059	N <u>S</u> E W	MS	MX	
ANAM	17.2		1	0105	N S <u>E</u> W	MS	MX	
ANAM	18.9		2	0118	N S E <u>W</u>	MS	GR	
LECO	19.8	1.5	1	0125	N S <u>E</u> W	MS	MX	
					N S E W			
					N S E W			

(18 rows)

**Topography codes:**

FU flat upland  
FL flat lowland  
MS midslope

RG ridgetop

SW swale

CR creek drainage

AC saltbush

YU yucca

MX mixed grassland (w/AC or YU)

**Vegetation codes:**

GR grassland

HU human structure (&lt;30 m)

# SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

TOTAL #'S

DATE (day-month-year) 7/12/02

OBSERVERS \_\_\_\_\_

WEATHER \_\_\_\_\_

START TIME \_\_\_\_\_ END TIME \_\_\_\_\_

INITIAL MILEAGE \_\_\_\_\_ END MILEAGE \_\_\_\_\_

TOTALS

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA			46		N S E W			
GYAU			11		N S E W			
ANAM			16		N S E W			
LETO			3		N S E W			
MENE			1		N S E W			
LECO			1		N S E W			
ODHE			3		N S E W			
GHOW			1		N S E W			
VUVE			3		N S E W			
					N S E W			
					N S E W			
					N S E W			
					N S E W			
					N S E W			
					N S E W			
					N S E W			
					N S E W			
					N S E W			
					N S E W			
					N S E W			

(18 rows)

Topography codes:

FU flat upland RG ridgetop

FL flat lowland SW swale

MS midslope CR creek drainage

AC saltbush

YU yucca

MX mixed grassland (w/AC or YU)

Vegetation codes:

GR grassland

HU human structure (&lt;30 m)



# SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNGDATE (day-month-year) 04 Oct. 2002OBSERVERS M. DL, NEK, Seth Katterberg, Beth Grady, Laura Jamison,  
Lukas Lindquist, Jenna Lindquist

WEATHER \_\_\_\_\_

START TIME 19:44END TIME 23:17INITIAL MILEAGE 0END MILEAGE 20.6

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAU	.35	28	1	19:48	N S E <u>W</u>	FU	GR	
SYAU	.5	27	1	19:51	N S <u>E</u> W	MS	GR	
CALA	.6	—	1	19:53	N S <u>E</u> W	SW	GR	
LECA	.7	42	1	19:55	N S E <u>W</u>	FL	GR	
LETO	.95	72	1	19:59	N S <u>E</u> W	SW	GR	
LETO	2.2	55	1	20:13	N S E <u>W</u>	FU	GR	
ANAM	2.7	—	1	20:19	N <u>S</u> E W	FL	GR	
LETO	2.9	0	1	20:21	N S <u>E</u> W	FL	GR	
LETO	3.0	52.5	1	20:22	<u>N</u> S E W	FL	GR MX W/AC	
LECA	3.1	44	3	20:26	N <u>S</u> E W	FL	GR MX W/AC	
LECA	3.85	28.5	1	20:33	<u>N</u> S E W	MS	GR MX W/AC	
SYAU	4.2	17.5	1	20:39	N S E <u>W</u>	RG	GR MX W/YU	Top of Owl Creek
SYAU	4.25	10	1	20:41	N S E <u>W</u>	MS	GR MX W/AC	
LECA	4.55	20	1	20:45	N S <u>E</u> W	CR	GR MX AC	
LECA	4.8	40	1	20:48	<u>N</u> S E W	FL	GR MX W/YU	
SYAU	5	32	1	20:52	N <u>S</u> E W	FL	GR MX W/AC	
LECA	5.1	24.5	1	20:55	<u>N</u> S E W	FL	GR MX W/AC	
LECA	5.35	63	2	20:58	<u>N</u> S E W	FL	GR MX W/AC	

(18 rows)

Topography codes:

FU flat upland

FL flat lowland

MS midslope

RG ridgetop

SW swale

CR creek drainage

AC saltbush

YU yucca

MX mixed grassland (w/AC or YU)

Vegetation codes:

GR grassland

HU human structure (&lt;30 m)

# SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DATE (day-month-year) 04 Oct. 2002

OBSERVERS M. DL., NEK, Seth Rothering, Bill Gandy, Laura Jamison,  
LUCAS LINDQUIST, TENNIE LINDQUIST

WEATHER

START TIME 19:44

END TIME 23:17

INITIAL MILEAGE 0

END MILEAGE 20.6

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	5.4	0	1	21:01	NSEW	FL	GR MX w/AC	
LECA	5.65	61	1	21:03	NSEW	FL	GR MX/AC	
SYAU	5.8	11	3	21:07	NSEW	FL	GR MX w/AC	NEAR ARS HQ.
LECA	6.2	32	1	21:12	NSEW	FL	GR MX w/AC	
CALE	8.4	—	1	21:26	NSEW	FL	GR MX w/AC	
LECA	8.7	68.5	3	21:28	NSEW	FL	GR MX w/AC	
SYAU	9.3	0	1	21:34	NSEW	FL	GR MX w/AC	JUVENILE
TATA	12.7	—	1	22:01	NSEW	FU	GR MX w/AC	
SYAU	13.25	28	1	22:06	NSEW	FU	GR MX w/AC	
LECA	13.9	0	1	22:14	NSEW	FL	GR MX w/AC	
LECA	14.6	41.5	1	22:23	NSEW	FL	GR MX w/AC	
SYAU	14.9	23.5	1	22:26	NSEW	FL	GR MX w/AC	
SYAU	15.2	26.5	1	22:30	NSEW	FL	GR MX w/AC	
LECA	15.4	81	1	22:33	NSEW	FU	GR MX w/AC	
VUVE	17.3	—	2	22:54	NSEW	FU	GR	
					NSEW			
					NSEW			
					NSEW			

(18 rows)

## Topography codes:

FU flat upland  
FL flat lowland  
MS midslope  
RG ridgetop  
SW swale  
CR creek drainage

## Vegetation codes:

AC saltbush  
YU yucca  
MX mixed grassland (w/AC or YU)  
GR grassland  
HU human structure (<30 m)