

Project Summary Sheet – Year 2005

Project Name SGS-LTER Long-term Monitoring Project - Spotlight Rabbit Count

Project Number 98-1

Principal Investigator(s) Paul Stapp

Dates of Data Collection 4/12/05, 8/8/05, 10/5/05

Plot Names / Specific Location of study area(s) _____

C PER Rabbit Count + Scat Count Transect

Full Names of Data Collectors Nicole Kaplan, Amarrah Anderson, Mark Lindquist, C. Carter, J. Pelnar, R. Dorsey, N. Torrington, S. Stevens, A. Benson, D. Salkeld, M. Hendrick, W. McBride, B. Gley, A. Amen

Names of Associated Files and Databases dataentry\ARS# 98-LT-Animal-Mon-Data\lagomorph\allag 5.xls

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

4/12/05 - 4 pgs.

8/8/05 - 4 pgs

10/5/05 - 5 pgs

Questions and Concerns

Date copies of data sheets were sent to PI(s) 1/27/06

Date copies of data sheets were sent to SGS-LTER office _____

Names of any other persons given copies of data sheets _____

Info Mgr, Nicole Kaplan - filed in NR218

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNGLECA - Black Tail
LETO - White Tail
SYAU - cottontailDATE (day-month-year) 12 April 2005OBSERVERS N. Kaplan A. Anderson, J. Stevens, A. Benson, D. SalkeldWEATHER clear, 60's, windy, calm nowSTART TIME 2030 END TIME 2424INITIAL MILEAGE 0 END MILEAGE 20.65

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAU	0	33m	1	2030	N S E W	SW	GR	
SYAU	0	73	1	2030	N S E W	SW	GR	
SYAU	0.05	6	2	2032	N S E W	MS	GR	
LETO	0.25	51	2	2035	N S E W	MS	GR	
SYAU	0.3	34	1	2037	N S E W	RG	GR	
SYAU	0.4	33	2	2038	N S E W	RG	GR	
SYAU	0.75	26	1	2042	N S E W	RG	GR	
ANAM	1.0	—	5	2043	N S E W	SW	GR	
ANAM	1.8	—	2	2050	N S E W	MS	MXAC	
ANAM	2.0	—	5	2053	N S E W	FU	MXAC	
VUVE	2.0	—	1	2053	N S E W	FU	MXAC	
LETO	2.1	0	1	2055	N S E W	FU	MXAC	
LETO	2.2	0	1	2054	N S E W	FU	MXAC	
ANAM	2.35	—	1	2059	N S E W	RG	GR	over ridge
LETO	2.55	40	1	2101	N S E W	MS	GR	
ANAM	2.9	—	11	2104	N S E W	FL	GR	
TATA	2.9	—	1	2108	N S E W	PL	GR	
SYAU	3.0	5	1	2110	N S E W	FL	MXAC	juvenile

(18 rows)

Topography codes:

FU flat upland RG ridgetop

FL flat lowland SW swale

MS midslope CR creek drainage

HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded

MX mixed grassland (w/AC or YU)

Vegetation codes:

AC saltbush GR grassland

YU yucca HU human structure (<30 m)

MX mixed grassland (MXAC or MXYU)

SYAU = 13

LETO = 7

LECA = 26

ANAM = 9

VUVE = 2

TATA = 1

yum for badger

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE:

CPER

PNG

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	3.75	34	4	2118	N S E W	MS	MXAC	
LECA	5.2	0	3	2133	N S E W	FL	MXAC	
LECA	5.34	36	1	2135	N S E W	FL	MXAC	
SYAU	5.75	4	1	2139	N S E W	FL	MXAC	juvenile
LECA	5.75	33	2	2139	N S E W	FL	MXAC	
LECA	5.8	20	2	2141	N S E W	FL	MXAC	
LECA	5.9	3	1	2142	N S E W	FL	MXAC	snowfence
SYAU	6.0	27	1	2147	N S E W	FL	HUBU	ARS
FEDO	—	—	1	2149	N S E W	FL	MXAC	calico cat
UNK	6.3	0	1	2150	N S E W	FL	MXAC	
BOTA	6.6	—	5	2154	N S E W	FL	MXAC	cows
LECA	6.65	47	2	2155	N S E W	FL	MXAC	
LECA	6.75	35	1	2156	N S E W	FL	MXAC	
LECA	7.3	58	2	2201	N S E W	FL	MXAC	
LECA	7.5	56	1	2204	N S E W	FL	MXAC	
LECA	7.8	5	1	2206	N S E W	SW	MXAC	
LECA	8.4	46	1	2210	N S E W	FL	MXAC	
LECA	8.65	34	1	2212	N S E W	FL	MXAC	

(18 rows)

Topography codes:

FU flat upland

RG ridgetop

AC saltbush

GR grassland

FL flat lowland

SW swale

YU yucca

HU human structure (<30 m)

MS midslope

CR creek drainage

MX mixed grassland (MXAC or MXYU)

HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded

MX mixed grassland (w/AC or YU)

Vegetation codes:

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	9.65	32	1	2221	N <u>S</u> E W	FL	MXAC	
ANAM	9.9	—	15	2224	N <u>S</u> E W	FL	MXAC	
LECA	10.05	0	1	2225	N <u>S</u> E W	FL	MXAC	
UNK	10.2	32	1	2227	N <u>S</u> E W	FL	MXAC	plog 5
ANAM	10.3	—	3	2230	N <u>S</u> E W	FL	MXAC	
LECA	10.3	25	1	2230	N <u>S</u> E W	FL	MXAC	
LETO	11.35	35	1	2243	N <u>S</u> E W	MS	MXAC	
VUVE	11.6	—	1	2246	N S E <u>W</u>	CR	MXAC	owl 11.8
LECA	12.1	39	1	2251	N S <u>E</u> W	SW	GR	
LECA	12.4	32	2	2255	N S E <u>W</u>	FU	GR	
LECA	12.75	22	1	2257	N <u>S</u> E W	FU	GR	
LECA	13.3	56	3	2303	N S <u>E</u> W	FU	GR	
SYAV	14.7	57	2	2320	N <u>S</u> E W	FL	MXAC	
LECA	14.7	57	1	2320	N <u>S</u> E W	FL	MXAC	
SYAV	14.85	20	1	2321	N <u>S</u> E W	FL	MXAC	
LECA	14.9	46	2	2322	N <u>S</u> E W	FL	MXAC	
LECA	15.0	5	1	2324	N <u>S</u> E W	MS	MXAC	
LECA	15.9	71	2	2331	N <u>S</u> E W	FU	GR	

(18 rows)

Topography codes:

FU flat upland

RG ridgetop

AC saltbush

GR grassland

FL flat lowland

SW swale

YU yucca

HU human structure (<30 m)

MS midslope

CR creek drainage

MX mixed grassland (MXAC or MXYU)

HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded

MX mixed grassland (w/AC or YU)

Vegetation codes:

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

CIRCLE ONE: **CPER** **PNG**

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____ **END TIME** 2424

INITIAL MILEAGE _____ **END MILEAGE** 20.65

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
ANAM	16.0	—	1	2332	N <u>S</u> E W	MS	GR	
LETO	16.4	0	1	2341	<u>N</u> S E W	MS	GR	
LETO	17.05	30	2	2345	N S E <u>W</u>	FU	GR	
LESP	17.25	47	2	2348	N S E <u>W</u>	FU	GR	
LETO	17.4	0	1	2351	N S E <u>W</u>	FU	GR	
LECA	17.85	46	1	2356	N S E <u>W</u>	MS	GR	
LECA	18.15	31	1	2400	<u>N</u> S E W	RG	GR	
UNK	18.9	—	1	2407	<u>N</u> S E W	MS	GR	
VUVE	19.5	—	1	2413	N S <u>E</u> W	FU	GR	
ANAM	19.55	—	8	2413	N S <u>E</u> W	FU	GR	
SYAU	19.8	0	2	2416	N S E <u>W</u>	FU	MXAC	
SYAU	20.4	36	1	2422	<u>N</u> S E W	SW	GR	
					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 AC saltbush GR grassland
 FL flat lowland SW swale YU yucca HU human structure (<30 m)
 MS midslope CR creek drainage MX mixed grassland (MXAC or MIXYU)
 HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded
 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) 8 August 2005OBSERVERS M. Lindquist, M. Hendrick, W. McBride, B. Giley, A. Aronson,
J. Pelnar, C. CarterWEATHER ClearSTART TIME 20.50

END TIME _____

INITIAL MILEAGE 000

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LETO	.05	17	1	20.53	N S E <u>(W)</u>	MS	GR	
SYAM	.1	10	1	20.55	N S E <u>(W)</u>	FU	GR	
LECA	.2	27	1	20.57	N S E <u>(W)</u>	FU	GR	
LECA	.25	00	1	20.58	<u>(N)</u> S E W	FU	GR	
SYAM	.25	21	1	20.58	N S <u>(E)</u> W	FU	GR	
SYAM	.3	20	1	20.59	N S <u>(E)</u> W	FU	GR	
SYAM	.35	22	3	21.00	N S <u>(E)</u> W	FU	GR	
UNK _{JACK}	.55	82	1	21.04	N S <u>(E)</u> W	SW	GR	
SYAM	.65	22	1	21.07	N S <u>(E)</u> W	SW	GR	
VUVE	.85	46	2	21.10	N S <u>(E)</u> W	SW	GR	
UNK	.85	46	1	21.10	N S <u>(E)</u> W	SW	GR	
LETO	1.35	46	2	21.16	N S <u>(E)</u> W	MS	GR	
SKUNK	2.1	17.5	1	21.25	N S <u>(E)</u> W	FU	GR	
LETO	2.2	19	1	21.27	N S <u>(E)</u> W	FU	GR	
LETO	2.3	34	1	21.29	N S <u>(E)</u> W	MS	GR	
LETO	2.35	54	1	21.30	N S <u>(E)</u> W	MS	GR	
LECA	3.3	65	1	21.41	N <u>(S)</u> E W	MX	MXAC	
SYAM	3.35	0	1	21.44	N S <u>(E)</u> W	FL	MXAC	

(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 (MXAC or MXYU)

HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded

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 PNG

DATE (day-month-year) 6 August 2005

OBSERVERS

WEATHER

START TIME

END TIME

INITIAL MILEAGE

END MILEAGE

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
PJOR	3.55	0	1	21.46	(N)SE W	FL	MXAC	
UNK RABBIT	3.7	27	1	21.49	NSE W	FL	MXAC	
SYAU	3.8	0	1	21.53	NSE W	FL	MXAC	
UNK RABBIT	3.9	26	1	21.55	NSE W	MS	MXAC	
PJOR	3.95	0	1	21.56	NSE W	MS	MXAC	
LECA	4.0	56	1	31.57	NSE W	MS	MXAC	
SYAU	4.1	0	1	31.58	NSE W	MS	MXAC	
LECA	4.2	5	1	32.00	NSE W	MS	MXAC	
LECA	4.2	20	1	32.04	NSE W	MS	MXAC	
SYAU	4.3	0	1	32.02	NSE W	MS	MXAC	
LECA	4.3	11	1	32.02	NSE W	MS	MXAC	
SYAU	4.3	8.5	1	32.04	NSE W	MS	MXAC	
LECA	4.4	23	1	32.05	NSE W	MS	MXAC	
LECA	4.4	63	2	32.06	NSE W	MS	MXAC	
LECA	5.6	26	1	32.20	NSE W	FL	MXAC	
SYAU	5.9	3.5	1	32.25	NSE W	HU	HUBU	
LECA	6.4	93	1	32.29	NSE W	FU	GR	
TATA	8.1	0.0	1	32.41	NSE W		MXAC	BADGER

(18 rows)

Topography codes:

FU flat upland

RG ridgetop

AC saltbush

FL flat lowland

SW swale

YU yucca

GR grassland

HU human structure (<30 m)

MS midslope

CR creek drainage

MX mixed grassland (MXAC or MXYU)

HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded

MX mixed grassland (w/AC or YU)

Vegetation codes:

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____ END TIME _____

INITIAL MILEAGE _____ END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	8.8	35	1	22.47	(N) S E W	FL	ALFALFA FIELD	
LECA	9.0	5.7	1	22.49	(N) S E W	FL	ALFALFA FIELD	
LECA	9.3	34	1	22.52	N (S) E W	Fu	MXAC	
LECA	9.6	3.5	1	22.56	N (S) E W	FL	MXAC	
LECA	10.25	31	1	23.02	N (S) E W	FL	GR	
SYAN	10.9	12.5	1	23.09	(N) S E W	Hu	HUWI	
SYAN	10.9	5.5	1	23.10	(N) S E W	FL	MXAC	
LECA	11.65	30	1	23.18	N S E (W)	FL	GR	
LECA	11.7	45	1	23.19	N S E (W)	FL	GR	
VUVE	12.25		1	23.25	N S E W	Fu	GR	
VUVE	12.75		1	23.29	N S E W	Fu	GR	
LECA	12.85	17	1	23.31	N S E (W)	Fu	GR	
LECA	12.85	60	2	23.31	N S E (W)	Fu	GR	
LECA	13.7	74	2	23.41	N S E W	Fu	GR	
LECA	14.7	60	2	23.53	N (S) E W	Fu	MXAC	
LECA	15.3	00	1	23.57	N S E (W)	Fu	MXAC	
VUVE	16.3		1	01.07	(N) S E W	Fu	GR	
LETO	16.75	43	1	01.14	(N) S E W	MS	GR	

(18 rows)

Topography codes:

FU flat upland RG ridgetop AC saltbush GR grassland
 FL flat lowland SW swale YU yucca HU human structure (<30 m)
 MS midslope CR creek drainage MX mixed grassland (MXAC or MXYU)
 HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded
 MX mixed grassland (w/AC or YU)

Vegetation codes:

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DATE (day-month-year) _____
OBSERVERS _____

WEATHER _____

START TIME _____ END TIME 0.54INITIAL MILEAGE _____ END MILEAGE 20.6

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	17.6	19	2	0.23	N S <u>(E)</u> W	Fu	GR	
LECA	17.7	42	1	0.24	N S E <u>(W)</u>	Fu	GR	
LECA	17.85	24	1	0.26	N S <u>(E)</u> W	Fu	GR	
LECA	18.1	20	1	0.29	N S <u>(E)</u> W	Fu	GR	
LECA	18.16	31	1	0.34	N S E <u>(W)</u>	RG	GR	
TATA	18.9		1	0.39	N S E <u>(W)</u>	RG	GR	
LECA	19.0	40	1	0.40	N S E <u>(W)</u>	FL	GR	
BUOW	19.3	0	1	0.43	N <u>(S)</u> E W	Fu	GR	
SIAM	19.65	0	1	0.46	N S E <u>(W)</u>	Fu	GR	
LECA	19.95	26	1	0.50	N <u>(S)</u> E W	Fu	GR	
LECA	20.1	20	2	0.51	N <u>(S)</u> E W	Fu	GR	
LECA	20.4	41	2	0.53	N <u>(S)</u> E W	Fu	GR	
					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 AC saltbush GR grassland
 FL flat lowland SW swale YU yucca HU human structure (<30 m)
 MS midslope CR creek drainage MX mixed grassland (MXAC or MXYU)
 HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded
 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) October 5, 2005OBSERVERS M. Lindquist, A. Anderson, J. Stevens, R. Norsey, N. Torrington

WEATHER _____

START TIME 7:15

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LETO	0.1	0	1	19:16	N ^o S E W	FL	GR	
VUVX	0.15		1		N S E ^o W	Fu	GR	
LECA	0.15	0.17	2	19:18	N S E ^o W	Fu	GR	
SYAU	0.2	0.27	1	19:20	N S E ^o W	Fu	GR	
LECA	0.25	10	2	19:21	N S E ^o W	Fu	GR	
LECA	0.35	32	1	19:22	N S E ^o W	Fu	GR	
LECA	0.4	0	1	19:23	N S E ^o W	Fu	GR	
LECA	0.4	21	1	19:24	N S E ^o W	Fu	GR	
SYAU	0.5	25	1	19:25	N S E ^o W	Fu	GR	HUCG
SYAU	0.55	27	1	19:26	N S E ^o W	MS	GR	HUCG
SYAU	0.65	39	1	19:28	N S E ^o W	FL	GR	CR
LECA	0.8	19	1	19:30	N S E ^o W	MS	GR	
VUVX	0.9		1	19:33	N S E ^o W	MS		
SYAU	0.95	23	1	19:33	N S E ^o W	MS	GR	
LETO	1.1	22	2	19:35	N S E ^o W	FL	GR	
LECA	1.25	59	1	19:38	N S E ^o W	FL	GR	cow interference 19:41
LETO	1.6	20	1	19:42	N S E ^o W	FL	GR/AC	
LECA	1.7	58	1	19:44	N S E ^o W	MS	GR/AC	

(18 rows)

Topography codes:**Vegetation codes:**

FU flat upland RG ridgetop AC saltbush GR grassland
 FL flat lowland SW swale YU yucca HU human structure (<30 m)
 MS midslope CR creek drainage MX mixed grassland (MXAC or MXYU)
 HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded
 MX mixed grassland (w/AC or YU)

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DATE (day-month-year) _____

OBSERVERS _____

WEATHER high winds, cold

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	2.15	24	1	19:51	N S E W	FU	GR	
LETO	2.4	26	1	19:53	N S E W	MS	GR	
ANAM	2.7		2	19:59	N S E W	FL	GR	
LECA	3.7	19	1	20:09	N S E W	FU	GR/AC	
TATA	4.35		1	20:19	N S E W	MS	GR/AC	
LECA	4.8	19	1	20:24	N S E W	FU	MX/AC	
LECA	4.15	19	1	20:26	N S E W	FU	MX/AC	
LECA	5.2	25	1	20:29	N S E W	FU	MX/AC	
SYAU	5.2	12	1	20:29	N S E W	FU	MX/AC	
LECA	5.35	22	1	20:33	N S E W	FU	MX/AC	
LECA	5.40	0	1	20:33	N S E W	FU	MX/AC	
SYAU	5.75	7	1	20:38	N S E W	FU	MX/AC	
LECA	6.75	29	1	20:46	N S E W	FU	MX/AC	
LECA	6.9	32	1	20:48	N S E W	FU	MX/AC	
SYAU	5.65	31	1	21:00	N S E W	FU	MX/AC	
LECA	8.9	23	2	21:05	N S E W	FU	HU	irrigated alfalfa
LECA	9.0	28	1	21:07	N S E W	FU	MX/AC	
LECA	9.0	41	1	21:08	N S E W	FU	HU	irrigated alfalfa

(18 rows)

Topography codes:

FU flat upland

FL flat lowland

MS midslope

HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded

MX mixed grassland (w/AC or YU)

RG ridgetop

SW swale

CR creek drainage

AC saltbush

YU yucca

MX mixed grassland (MXAC or MXYU)

Vegetation codes:

GR grassland

HU human structure (<30 m)

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____ END TIME _____

INITIAL MILEAGE _____ END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
CALA	9.1		1	21:09	N S E W		HU	irrigated alfalfa
LECA	9.1	25	1	21:09	N S E W	Fu	HU	irrigated alfalfa
LECA	9.1	43	1	21:10	N S E W	Fu	HU	irrigated alfalfa
CALA	9.3		1	21:13	N S E W	Fu	HU	irrigated alfalfa
LECA	9.9	10	1	21:19	N S E W	Fu	MX/AC	
LECA	9.95	4	1	21:20	N S E W	Fu	MX/AC	
LECA	9.95	19	1	21:20	N S E W	Fu	MX/AC	
LECA	10.3	13	1	21:24	N S E W	Fu	MX/AC	
LECA	11.3	0	1	21:35	N S E W	MS	MX/AC	
SYAU	11.6	19	1	21:37	N S E W	FL	MX/AC	
LECA	11.6	13	1	21:38	N S E W	FL	MX/AC	
LECA	11.65	0	1	21:40	N S E W	FL	SW	
LECA	11.7	19	1	21:41	N S E W	FL	SW	
LECA	12.3	59	1	21:46	N S E W	Fu	GR	
LECA	12.8	10	1	21:52	N S E W	Fu	GR	
LECA	12.95	20	1	21:53	N S E W	Fu	GR	
TATA	13.1		1	21:55	N S E W	Fu	GR	
VUVE	13.3		1	21:57	N S E W	Fu	GR	

(18 rows)

Topography codes:

FU flat upland RG ridgetop AC saltbush GR grassland
 FL flat lowland SW swale YU yucca HU human structure (<30 m)
 MS midslope CR creek drainage MX mixed grassland (MXAC or MXYU)
 HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded
 MX mixed grassland (w/AC or YU)

Vegetation codes:

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

CIRCLE ONE: **CPER** **PNG**

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____ **END TIME** _____

INITIAL MILEAGE _____ **END MILEAGE** _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	13.55	21	1	22:01	N S <u>E</u> W	Fu	GR	
LECA	13.70	20	1	22:04	N S <u>E</u> W	Fu	GR	
LECA	13.85	5	1	22:06	N S <u>E</u> W	Fu	GR	
LECA	14.05	29	1	22:07	N S <u>E</u> W	Fu	GR	
LECA	14.10	11	1	22:08	N S <u>E</u> W	Fu	GR	
LECA	14.2	10	1	22:10	N S <u>E</u> W	Fu	GR	
LECA	14.25	25	1	22:11	N S E <u>W</u>	Fu	GR	
unknown	14.5	27	1	22:14	N <u>S</u> E W	Fu	AC GR	
LECA	14.7	0	3	22:15	N S E <u>W</u>	Fu	AC/mx	
LETO	14.7	0	1	22:15	N S E <u>W</u>	Fu	AC/mx	
LECA	14.85	20	1	22:17	N S E <u>W</u>	Fu	AC/mx	
VUVE	14.9		1	22:18	N <u>S</u> E W	Fu	AC/mx	
LECA	14.9	27	1	22:19	N <u>S</u> E W	Fu	AC/mx	
LECA	15.35	21	1	22:23	N <u>S</u> E W	Fu	AC/mx	
LETO	15.75	48	1	22:26	N <u>S</u> E W	Fu	GR	
LETO	15.95	13	1	22:28	N <u>S</u> E W	Fu	GR	
LETO	16.15	88	2	22:31	N <u>S</u> E W	Fu	GR	
VUVE	16.35		1	22:35	N S E W	Fu	HU	weighs 25 corn

(18 rows)

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Vegetation codes:

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DATE (day-month-year) _____

OBSERVERS _____

WEATHER wind died down about 22:00START TIME _____ END TIME 23:22INITIAL MILEAGE _____ END MILEAGE 20.7

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	17.0	47	1	22:41	N S E <u>W</u>	Fu	GR	
LECA	17.4	25	1	22:45	N S E <u>W</u>	Fu	GR	
LE TU	17.5	0	1	22:47	N S <u>E</u> W	Fu	GR	
LECA	17.7	28	1	22:49	N S E <u>W</u>	Fu	GR	
LECA	17.9	40	2	22:50	N S E <u>W</u>	Fu	GR	
LECA	18.0	24	1	22:52	N S <u>E</u> W	Fu	GR	
LECA	18.2	14	1	22:55	<u>N</u> S E W	Fu	GR	
LECA	18.7	22	3	23:01	N S E <u>W</u>	Fu	GR	
unknown	19.7	19	1	23:11	N S <u>E</u> W	Fu	GR	
LECA	19.7	22	1	23:12	N S E <u>W</u>	Fu	GR	
SYAU	19.8	00	1	23:13	N S E <u>W</u>	Hu	GR	
LECA	19.95	29	1	23:15	N S <u>E</u> W	Fu	GR	
LECA	20.1	18	1	23:17	<u>N</u> S E W	Fu	GR	
LECA	20.4	37	1	23:19	<u>N</u> S E W	Fu	GR	
LECA	20.45	22	1	23:20	<u>N</u> S E W	SW	GR	
SYAU	20.5	0	1	23:20	N S E <u>W</u>	MS	GR	
					N S E W			
					N S E W			

(18 rows)

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Vegetation codes: