

Project Summary Sheet – Year 2006

Project Name Spotlight Rabbit Court

Project Number 98

Principal Investigator(s) Paul Stapp

Dates of Data Collection see below

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

~~Full Names of Data Collectors~~ _____

Names of Associated Files and Databases ARS#98-LT-Animal-Mon-Data\
lagomorphs\ Spotlight94-06.xls

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

82 Feb 2006 (may not be entered in spread-sheet yet)
02 May 2006
31 July 2006
18 October 2006
19 February 2007

Questions and Concerns

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

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

Jackrabbits
 whitetail - LETO
 blacktail - LECA
 cottontail - SYAU

DATE (day-month-year) 19 Feb 07OBSERVERS MOL Sean Hensley, Alex Sward, Tim TeschkeNicole KupferWEATHER overcast, slight snow 29°FSTART TIME 18:30 END TIME INITIAL MILEAGE END MILEAGE

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	0.05mi	30m	1	18:31	NSEW	MS	GR	
LECA	0.05mi	26m	3	18:31	NSEW	MS	GR	
LECA	0.05mi	30m	4	18:31	NSEW	SW	GR	
SYAU	0.2mi	21m	1	18:34	NSEW	FU	GR	
SYAU	0.45	27m	1	18:39	NSEW	RG	MX YU	car stopped - 6:39-6:44
LECA	0.55mi	19m	1	18:45	NSEW	MS	MX YU	
LETO	0.7mi	8m	1	18:48	NSEW	MS	GR	
LETO	1.05mi	129m	6	18:53	NSEW	MS	GR	
LECA	1.20mi	20m	1	18:55	NSEW	MS	GR	
UNK	1.85	68m	1	19:03	NSEW	FU	MXAC	
ANAMA	2.60		3	19:10	NSEW	FU	GR	
LECA	3.35	31	1	19:18	NSEW	FL	MXAC	
SYAU	3.4	25	1	19:20	NSEW	FL	"	
LETO	3.55	19	1	19:22	NSEW	FL	"	
LECA	3.6	23	1	19:23	NSEW	MS	"	
LETO	3.8	69	1	19:27	NSEW	FL	"	
LECA	4.45	26	1	19:33	NSEW	FL	"	
SYAU	4.45	0.0	1	19:33	NSEW	FL	"	

(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:

GR grassland

HU human structure (<30 m)

AC saltbush

YU yucca

MX mixed grassland (MXAC or MXYU)

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

CIRCLE ONE: CPER PNG

LETO - L.H.H.
 LECA - Blacktail
 on the 1 - SYAU

DATE (day-month-year) 19-02-2007OBSERVERS MD Lindquist, A. Suarez, S. Hauser, Jrm
N. Kaplan

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	4.65	50	1	19:37	NSEW	CR	MXAC	
BLOR	4.7	—	1	19:38	NSEW	FL	"	
SYAU	4.85	2	1	19:39	NSEW	FL	"	
LECA	4.9	23	1	19:40	NSEW	FL	"	
LECA	5.5	30	1	19:47	NSEW	FL	"	
UNK	5.6	18	1	19:49	NSEW	FL	"	
LECA	5.8	5	1	19:52	NSEW	FL	"	
SYAU	5.9	24	1	19:53	NSEW	HUBU	HU	
LECA	6.2	62	3	19:57	NSEW	HUBU	HU	study plots
LECA	6.65	81	1	20:01	NSEW	FU	GR	many's as Bulls
LECA	6.7	45	2	20:03	NSEW	FU	MXYU	
LECA	7.3	19	1	20:23	NSEW	FU	MXAC	
LECA	7.5	46	3	20:29	NSEW	FU	MXAC	
LECA	7.6	61	1	20:30	NSEW	FU	MXAC	
SYAC	8.05	11	1	20:34	NSEW	FU	MXAC	intersection 122 & 37
LECA	8.35	74	2	20:37	NSEW	MS	MXAC	
SYAU	8.65	49	1	20:39	NSEW	FL	MXAC	
LECA	8.75	28	1	20:40	NSEW	FL	MXAC	

(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:

GR grassland

HU human structure (<30 m)

MX mixed grassland (MXAC or MXYU)

HU

DATE (day-month-year) 19 February 2007
OBSERVERS

* wheel spun out
in mud to increase
mileage.

(18 rows)

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)			

Vegetation codes:

GR grassland
HU human structure (<30 m)

SGS-LTER Long-Term Monitoring Pro Spotlight Rabbit Count

CIRCLE ONE: CPER PNGDATE (day-month-year) 19 February 2007
OBSERVERS _____

WEATHER _____

START TIME _____ END TIME _____

INITIAL MILEAGE _____ END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	14.3	45	1	21:49	N [Ⓢ] EW	FL	GR	
LECA	14.7	0.0	1	21:51	N [Ⓢ] EW	FL	MXAC	
LECA	14.85	0.0	1	21:56	N [Ⓢ] EW	FL	MXAC	
LECA	14.85	28	1	21:56	N [Ⓢ] EW	FL	MXAC	
SYAU	14.9	35	1	21:58	N [Ⓢ] EW	FL	MXAC	
LECA	15.05	28	1	22:00	N [Ⓢ] EW	FL	MXAC	
LECA	15.05	87	1	22:00	N [Ⓢ] EW	FL	MXAC	
LECA	15.10	86	2	22:01	N [Ⓢ] EW	FL	MXAC	
LECA	15.45	36	2	22:05	N [Ⓢ] EW [Ⓢ]	FU	GR	
LECA	15.8	49	4	22:09	N [Ⓢ] EW	FU	GR	
LECA	15.9	115	1	22:11	N [Ⓢ] EW	FU	GR	
LECA	16.1	68	1	22:14	N [Ⓢ] EW	MS	GR	
LECA	16.35	81	1	22:17	N [Ⓢ] EW	RG	MYU	
SYAU	16.75	37	1	22:23	N [Ⓢ] EW	FU	GR	
LECA	17.50	31	1	22:31	N [Ⓢ] EW [Ⓢ]	MS	GR	
LECA	17.55	10	1	22:33	N [Ⓢ] EW [Ⓢ]	MS	GR	
LECA	17.70	10	1	22:35	N [Ⓢ] EW [Ⓢ]	MS	GR	
LETO	17.8	64	2	22:35	N [Ⓢ] EW [Ⓢ]	MS	GR	

(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:

GR grassland

HU human structure (<30 m)

AC saltbush

YU yucca

MX mixed grassland (MXAC or MYU)

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE:

CPER

PNG

DATE (day-month-year)

OBSERVERS

19 February 2007

WEATHER

START TIME

END TIME

INITIAL MILEAGE

END MILEAGE

23:0220.55

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	17.95	59	1	22:38	NSEW	MS	GR	
LECA	18	26	1	22:41	NSEW	FU	GR	
LECA	18.2	0	1	22:42	NSEW	FU	GR	
LECA	18.30	8	2	22:42	NSEW	FU	GR	
ANAM	19.35	—	11	22:53	NSEW	FU	GR	
SYAU	19.70	25	1	22:56	NSEW	FU	MXAC	
LECA	20.15	0.0	1	22:59	NSEW	CR	MXAC	
SYAU	20.40	39	1	23:01	NSEW	MS	MXAC	
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			

(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

①

CIRCLE ONE:

CPER

PNG

DATE (day-month-year) 02-02-2006

 OBSERVERS M.O. Safi Duden, Hedi Langhoff, Louise Helle, Mai Strange
 mette hiebs-olsen, lukas lindquist

WEATHER clear 30 F

START TIME 18:24

END TIME 22:55

INITIAL MILEAGE 000

END MILEAGE 20.7

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAO	0.1	23'	1	18:27	N S E W	SW	GR	
SYAO	0.2	14	1	18:29	N S E W	FU	GR	
LECA	0.25	53	1	18:32	N S E W	FU	GR	
LECA	0.5	34	1	18:36	N S E W	FU	GR	
LECA	1.2	19	2	18:47	N S E W	MS	GR	
LETO	1.6	136	1	18:53	N S E W	FL	GR	
SVUU	1.6	-	1	18:54	N S E W	FL	GR	
LETO	1.9	74	2	18:58	N S E W	RG	GR	
SVUU	1.9	-	1	19:00	N S E W	FU	GR	
LETO	2.4	82	1	19:06	N S E W	MS	GR	
LECA	3.7	47	1	19:22	N S E W	FL	MXAC	
LECA	4.8	29	1	19:37	N S E W	FL	MXAC	
LECA	5.3	35	1	19:43	N S E W	FL	MXAC	
SYAU	5.9	0	1	19:52	N S E W	HU	SPR/HQ	
SYAU	6.4	15	1	19:58	N S E W	FU	GR	
UNK. LE.	9.95	91	1	20:29	N S E W	FL	MXAC	
SYAU	10.9	11.5	1	20:40	N S E W	FU	MXAC	F. DOG TOWN
LECA	12.85	47	3	21:03	N S E W	FU	GR	

(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

RG ridgetop

SW swale

CR creek drainage

AC saltbush

YU yucca

MX mixed grassland (MXAC or MXYU)

 SYAU: cotton tail
 LETO: white tail
 LECA: black tail

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) 02-02-2006

 OBSERVERS mol, SD, HL, LH, MS, MD, LL,

 WEATHER CLEAR 30F

 START TIME 18:24

 END TIME 22:55

 INITIAL MILEAGE 000

 END MILEAGE 20.7

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	12.9	0	1	21:08	N <u>S</u> E W	FU	GR	
LECA	13.15	63	1	21:11	N S <u>E</u> W	FU	GR	
LECA	13.4	0	1	21:14	N <u>S</u> E W	FU	GR	
LECA	13.75	42	1	21:18	N S E <u>W</u>	FU	GR	
LECA	13.85	40	1	21:20	N S E <u>W</u>	FU	GR	
LECA	14.05	0	1	21:22	N <u>S</u> E W	FU	GR	
LECA	14.05	23	1	21:22	N <u>S</u> E W	FU	GR	
LECA	14.15	29	1	21:25	N S E <u>W</u>	FU	GR	
LECA	14.4	57	1	21:30	N <u>S</u> E W	FU	MXAL	
LECA	14.55	40	1	21:32	N <u>S</u> E W	FU	MXAL	
LECA	14.9	34	1	21:32	N <u>S</u> E W	FU	MXAL	
LECA	15.3	26	1	21:39	<u>N</u> S E W	FU	MXAL	
LINE	15.35	84	1	21:42	N <u>S</u> E W	FU	MXAL	
LECA	15.75	86	2	21:46	N S <u>E</u> W	FU	GR	
SYAU	16.4	5	1	21:55	<u>N</u> S E W	FU	GR	weighing corral
SYAU	16.45	6.5	1	21:57	<u>N</u> S E W	FU	GR	-11-
SYAU	16.65	22	1	22:02	N <u>S</u> E W	MS	GR	
LECA	16.9	45	2	22:07	<u>N</u> S E W	FU	GR	

(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)

SYAU = COTTON TAIL

LETO = WHITE TAIL

LECA = BLACK TAIL

Vegetation codes:

GR grassland

HU human structure (<30 m)

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

 (3) ~~2~~
CIRCLE ONE: CPER PNGDATE (day-month-year) 02 Feb 06OBSERVERS MOB, SO, HL, LH, MS, MO, LLWEATHER Clear 30°FSTART TIME 18:24END TIME 22:55INITIAL MILEAGE 000END MILEAGE 20.7

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	16.9	37	2	22:08	Ⓝ S E W	FU	GR	
LEID	17.0	9	2	22:10	Ⓝ S E W	FU	GR	
LETO	17.0	23	1	22:12	N S E Ⓜ	FU	GR	
LETO	17.4	124	1	22:17	N S Ⓜ W	FU	GR	
LETO	17.5	41	1	22:20	N S Ⓜ W	FU	GR	
LETO	17.5	0	1	22:20	Ⓝ S E W	FU	GR	cattle guard
LECA	17.8	4	1	22:24	N S Ⓜ W	LG	GR	
LECA	18.1	0	1	22:28	Ⓝ S E W	FU	GR	
LECA	18.3	45	1	22:30	N Ⓜ S E W	FU	GR	
LECA	18.3	124	1	22:31	N Ⓜ S E W	FU	GR	
LECA	18.7	49	1	22:35	N S E Ⓜ	RG	GR	
LECA	20	34	1	22:48	N S E Ⓜ	FU	GR	
SYAU	20	32	1	22:49	N S E Ⓜ	FU	GR	
LECA	20.6	53	1	22:54	N Ⓜ S E W	FU	GR	
					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
 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

DONE

DATE (day-month-year) 02 May 2006

OBSERVERS _____

WEATHER _____

START TIME 20:39

END TIME _____

INITIAL MILEAGE 0.0

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAC	.25	19	1	20:41	N S E <u>W</u>	RG	GR	
TATA	.30	—	1	20:43	N S E <u>W</u>	—	—	
LECA	.35	32	1	20:44	N S E <u>W</u>	FU	GR	
LECA	.35	21	1	20:44	N S E <u>W</u>	FU	GR	
SYAU	.50	27	1	20:47	N S E <u>W</u>	RG	GR	HU - cattle guard
UN	.55	44	2	20:49	N S E <u>W</u>	MS	MXU	
SYAU	.65	66	1	20:51	N S E <u>W</u>	RG	GR	
SYAU	.7	51	1	20:53	N S E <u>W</u>	RG	GR	
SYAU	.7	43	1	20:53	N S E <u>W</u>	RG	GR	
LETO	.95	15	1	20:56	N S E <u>W</u>	MS	GR	SUB Adult
SYAU	1.0	10	1	20:58	N S E <u>W</u>	M	GR	HU cattle guard
LETO	1.25	48	1	21:01	N S E <u>W</u>	MS	GR	
LECA	1.55	30	1	21:04	N S E <u>W</u>	MS	MXAC	HU cattle guard
UNLE	1.60	103	1	21:06	N S E <u>W</u>	MS	MXAC	SUB Indo.
ANAM	1.65	—	4	21:07	N S E W	—	—	
LETO	2.20	17	1	21:12	N S E <u>W</u>	FU	GR	
CAND	2.9	—	1	21:19	(N) S E W	—	—	
LETO	2.95	57	1	21:21	(N) S E W	MS	MXAC	

(18 rows)

Topography codes:

FU flat upland

RG ridgetop

AC saltbush

FL flat lowland

SW swale

YU yucca

GR grassland

MS midslope

CR creek drainage

MX mixed grassland (MXAC or MXU)

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

DONE

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	3.25	204	1	21:25	N S E (W)	MS	MXAC	
CAUA	3.25	—	1	21:25	N S E (W)	—	—	
LECA	3.45	11	1	21:28	N S E (W)	MS	MXAC	
LECA	3.65	48	1	21:30	N S E (W)	MS	MXAC	SUB-ADULT
ANAM	3.75	—	4	21:32	N S E W	—	—	
SYAC	4.0	51	1	21:35	N (S) E W	MS	MXU	
LECA	4.85	30	1	21:44	N (S) E W	FL	MXAC	
LECA	5.2	26	1	21:48	N (S) E W	FL	MXAC	
LECA	5.25	23	1	21:49	N (S) E W	FL	MXAC	SUB-ADULT
LECA	5.35	0.0	1	21:57	N (S) E W	FL	MXAC	juvenile
LECA	5.65	67	2	21:54	N (S) E W	FL	MXAC	
SYAC	5.70	44	1	21:55	N S E (W)	FL	MXAC	
LECA	5.80	27	1	21:57	N S E (W)	FL	MXAC	
SYAC	5.95	32	1	21:59	N (S) E W	FL ^{GR} HU	MS H.Q.	
LECA	6.50	55	2	22:04	N S E (W)	FL	MXAC	
LECA	6.95	79	1	22:08	N S E (W)	MS	MXAC	
LECA	7.50	24	1	22:12	N S E (W)	MS	MXAC	
ANAM	8.35	—	4	22:18	N S E W	—	—	

(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)

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DONE

DATE (day-month-year) 02 May 2006OBSERVERS MDLindquist

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	8.7	60	1	22:21	(N) S E W	FL	MXAC	CROP FIELD
LECA	8.95	82	5	22:24	(N) S E W	FL	MXAC	CROP FIELD
LECA	9.35	55	1	22:30	(N) S E W	FL	MXAC	
LECA	9.8	62	1	22:33	N S E (W)	FL	MXAC	
LECA	10.0	0.0	1	22:35	N S E (W)	FL	MXAC	
ANAM	10.0	—	2	22:35	N S E (W)	—	—	
LECA	10.75	77	1	22:42	N S E (W)	FL	MXAC	P dog town
LECA	10.9	25	1	22:45	N S E (W)	FL	MXAC	P dog town
VUVE	11.25	—	1	22:49	N S E W	—	—	w/collar
SYAU	11.4	41	1	22:50	(N) S E W	MS	MXAC	P dog town
LECA	12.2	36	1	22:57	N S E (W)	FU	GR	
LECA	12.9	31	1	23:04	N S E (W)	FU	GR	
LETO	13.1	0.0	1	23:06	N S E (W)	FU	GR	
LECA	13.2	8	1	23:08	N S E (W)	FU	GR	
LECA	13.25	39	1	23:10	N S E (W)	FU	GR	
LECA	13.45	4	1	23:12	N S E (W)	FU	GR	
LECA	13.70	72	3	23:15	N S E (W)	FU	GR	Hu windmill
LECA	13.75	26	1	23:16	N S E (W)	FU	GR	

(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:

GR grassland

HU human structure (<30 m)

MX mixed grassland (MXAC or MXYU)

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DOWE

DATE (day-month-year) 02 May 2006

OBSERVERS _____

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	14.0	21	1	23:19	NSEW	FU	GR	
ANAM	14.1	—	2	23:21	NSEW	—	—	
SYAU	14.15	27	1	23:22	NSEW	RG	GR	
SYAU	14.20	0.0	2	23:23	NSEW	RG	GR	
SYAU	14.3	46	1	23:25	NSEW	RG	MXAC	
ANAM	14.75	—	1	23:29	NSEW	—	—	
SYAU	14.8	22	1	23:29	NSEW	FL	MXAC	juvenile
SYAU	14.8	38	2	23:30	NSEW	FL	MXAC	
LECA	15.25	66	3	23:34	NSEW	FU	GR	
LECA	15.4	70	1	23:35	NSEW	MS	GR	
LECA	15.65	58	2	23:37	NSEW	FU	GR	
LECA	15.75	37	1	23:39	NSEW	FU	GR	
LETO	15.95	19	1	23:41	NSEW	MS	GR	
SYAU	16.15	36	1	23:44	NSEW	RG	GR	
SYAU	16.20	22	1	23:45	NSEW	RG	GR	
LETO	16.6	0.0	1	23:47	NSEW	RG	GR	
LETO	16.85	26	1	23:51	NSEW	MS	GR	
LETO	16.85	60	3	23:55	NSEW	MS	GR	

(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

DONE

DATE (day-month-year)

02 May 2006OBSERVERS M.D. Lindquist, Alex Swaza, Sean Hauser, Nicole Kaplan

WEATHER

START TIME

END TIME

INITIAL MILEAGE

END MILEAGE

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAU	17.1	17	1	23:58	N S <u>(E)</u> W	MS	GR	
LETO	17.5	65	3	0:02	N S <u>(E)</u> W	RG	GR	
ANAM	17.7	—	5	:12	N S E <u>(W)</u>	—	—	
LECA	18.5	25	1	:19	<u>(N)</u> S E W	RG	GR	
LECA	19.3	18	1	:25	N S E <u>(W)</u>	FU	GR	SUB ADULT
SYAU	19.7	34	1	:28	N S E <u>(W)</u>	FU	GR	
SYAU	19.75	3	1	:29	N S <u>(E)</u> W	FU	GR	
CAUA	20.1	—	1	:33	N <u>(S)</u> E W	—	—	
UN	20.2	67	2	:34	N S E <u>(W)</u>	MS	GR	
SYAU	20.4	78	1	:36	<u>(N)</u> S E W	MS	GR	P-day town
LECA	20.45	79	1	:38	N <u>(S)</u> E W	MS	GR	P-day town
					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

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

DONE

 DATE (day-month-year) 31-7-2006

 OBSERVERS Lauren H, Eric G, Emily S, Brandy W, Annikki C,
Mark L

 WEATHER Cloudy

 START TIME 9:00 PM

 END TIME 2:10 am

 INITIAL MILEAGE 0

 END MILEAGE 20.5

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAU	0.1	27m	2	9:11	<u>N</u> SEW	FL	GR	
SYAU	0.2	51m	1	9:14	N <u>S</u> EW	FU	GR	
LECA	0.2	74m	1	9:15	NSE <u>W</u>	FU	GR	
LECA	0.3	33m	1	9:16	<u>N</u> SEW	FU	GR	
LECA	0.4	71m	1	9:18	<u>N</u> SEW	FU	GR	
SYAU	0.4	30m	2	9:18	<u>N</u> SEW	FU	GR	
LECA	0.5	68m	1	9:20	NSE <u>W</u>	FU	GR	
SYAU	0.6	31m	1	9:21	NSE <u>W</u>	FU	GR	
LECA	0.6	36m	1	9:21	NSE <u>W</u>	FU	GR	
LECA	0.6	19m	1	9:22	NSE <u>W</u>	FU	GR	
LE?	0.7	46m	1	9:23	NSE <u>W</u>	FU	GR	
LE?	0.74	48m	1	9:25	<u>N</u> SEW	FU	GR	
SYAU	0.8	15m	1	9:26	NSE <u>W</u>	SW	GR	
SYAU	0.8	17m	1	9:30	NSE <u>W</u>	RG	GR	
SYAU	1	22m	1	9:32	NSE <u>W</u>	FL	GR	
LECA	1.6	26m	1	9:41	NSE <u>W</u>	FL	MXAC	
SYAU	1.6	0.0	1	9:43	<u>N</u> SEW	FL	MXAC	
LETO	1.7	24m	1	9:44	NSEW	FL	MXAC	

(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:

GR grassland

HU human structure (<30 m)

MX mixed grassland (MXAC or MXYU)

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNGDATE (day-month-year) 31-7-2004 Done

OBSERVERS _____

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	1.8	40m	1	9:47	N S <u>(E)</u> W	MS	MXAC	
BUOW			1	9:49	N S E <u>(W)</u>	SW	GR	
VUVE	2.1		2	9:52	<u>(N)</u> S E W	FU	GR	
LETO	2.2	36m	1	9:53	N S <u>(E)</u> W	FU	GR	
LE?	2.2	107m	1	9:55	N S <u>(E)</u> W	FU	GR	
BUOW			1	10:01	N S <u>(E)</u> W	FL	MXAC	
LECA	3.0	65m	1	10:04	N <u>(S)</u> E W	FL	MXAC	
SYAU	3.2	0.0	1	10:07	N S <u>(E)</u> W	MS	MXAC	
SYAU	3.6	17m	1	10:11	N S <u>(E)</u> W	FL	MXAC	
LECA	3.7	0.0	1	10:13	<u>(N)</u> S E W	FL	MXAC	
LECA	3.9	68m	1	10:16	N S <u>(E)</u> W	FL	MXAC	
SYAU	3.9	47m	1	10:20	<u>(N)</u> S E W	MS	MXAC	
SYAU	4.0	27m	1	10:22	N S E <u>(W)</u>	MS	MXAC	
SYAU	4.1	2m	1	10:25	N S E <u>(W)</u>	RG	MX YU	
SYAU	4.2	20m	1	10:26	N S <u>(E)</u> W	RG	MX YU	
SYAU	4.4	9m	1	10:31	N <u>(S)</u> E W	MS	MXAC	
SYAU	4.4	7m	1	10:31	N <u>(S)</u> E W	MS	MXAC	
SYAU	4.9	18m	1	10:37	<u>(N)</u> S E 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

DONE

DATE (day-month-year) 31-7-2006

OBSERVERS _____

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAU	5.0	0.0	1	10:37	N S <u>E</u> W	FL	MXAC	
LECA	5.0	33m	1	10:40	N <u>S</u> E W	FL	MXAC	
LECA	5.3	49m	2	10:43	N <u>S</u> E W	FL	MXAC	
LECA	5.5	34m	1	10:45	N <u>S</u> E W	FL	MXAC	
LECA	5.5	19m	1	10:47	N S <u>E</u> W	FL	MXAC	
LECA	5.6	41m	1	10:49	N <u>S</u> E W	FL	MXAC	
LECA	5.7	42m	2	10:51	N <u>S</u> E W	FL	MXAC	
SYAU	5.7	0.0	1	10:50	N S <u>E</u> W	FL	MXAC	
SYAU	5.8	4m	1	10:52	N <u>S</u> E W	FL	MXAC	
SYAU	5.8	19m	1	10:53	N <u>S</u> E W	FL	MXAC	
LECA	5.8	39m	1	10:54	N <u>S</u> E W	FL	MXAC	
LECA	6.1	22m	1	10:57	N S <u>E</u> W	FU	MXAC	
LECA	6.6	98m	4	11:01	N S <u>E</u> W	FU	MXAC	
LECA	6.6	24m	1	11:03	N S E <u>W</u>	FU	MXAC	
LECA	6.7	47m	1	11:04	N S <u>E</u> W	FU	MXAC	
LECA	6.8	0.0	1	11:07	N <u>S</u> E W	FU	MXAC	
LECA	6.9	5m	1	11:08	N S <u>E</u> W	FU	MXAC	
LECA	7.9	32m	1	11:15	N S E <u>W</u>	FU	MXAC	

(18 rows)

Topography codes:

FU flat upland

RG ridgetop

AC saltbush

FL flat lowland

SW swale

YU yucca

GR grassland

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)

31-7-2006

OBSERVERS

WEATHER

START TIME

END TIME

INITIAL MILEAGE

END MILEAGE

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAU	7.9	54m	1	11:17	NSEW	FU	MXAC	
SYAU	8.2	28m	1	11:20	NSEW	MS	MXAC	
LECA	8.7	62m	1	11:23	NSEW	FL	HU	crops
SYAU	8.7	19m	1	11:23	NSEW	FL	HU	crops
LECA	8.7	29m	1	11:25	NSEW	FL	HU	crops
LECA	8.7	48m	1	11:25	NSEW	FL	HU	crops
LECA	9.0	54m	4	11:31	NSEW	FL	HU	crops
SYAU	9.1	4m	1	11:34	NSEW	FL	MXAC	
SYAU	9.2	45m	1	11:34	NSEW	FL	MXAC	
SYAU	9.3	32m	1	11:37	NSEW	FL	MXAC	
LECA	9.6	19m	1	11:41	NSEW	FL	MXAC	
LECA	9.6	7m	1	11:42	NSEW	FL	MXAC	
TATA			1	11:43	NSEW	FL	MXAC	
LETO	10.3	48m	1	11:51	NSEW	FL	MXAC	
SYAU	10.7	62	1	11:55	NSEW	FL	GR	
LECA	10.8	106m	1	11:57	NSEW	FL	GR	
SYAU	10.8	59m	1	11:57	NSEW	FL	GR	
SYAU	11.3	1m	1	12:03	NSEW	MS	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:

CIRCLE ONE: CPER PNG

DATE (day-month-year) 31-7-2006

OBSERVERS

WEATHER

START TIME

INITIAL MILEAGE

END TIME

END MILEAGE

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAU	11.4	31m	1	12:04	NS EW	FL	MXAC	
LECA	11.6	0.0	1	12:07	NS EW	FL	HUCG	
GOEG	12.0	-	1	12:12	NS EW			Golden Eagle
CALA	12.1	-	1	12:14	NS EW	FU	GR	
VUVE	12.3	-	1	12:16	NS EW	FU	GR	
LECA	12.3	66	1	12:16	NS EW	FU	GR	
CALA	12.5	-	1	12:19	NS EW	FU	GR	
LECA	13.2	0.0	1	12:25	NS EW	FU	GR	
LECA	13.7	51m	3	12:30	NS EW	FU	GR	
LECA	13.8	42m	1	12:31	NS EW	FU	GR	
LECA	13.8	3m	1	12:31	NS EW	FU	GR	
LECA	13.9	45m	1	12:33	NS EW	FU	GR	
SYAU	14.2	0.0	1	12:38	NS EW	FU	MXAC	
LECA	14.2	2m	1	12:38	NS EW	FU	MXAC	
LECA	14.2	21m	1	12:38	NS EW	FU	MXAC	
SYAU	14.4	22m	2	12:46	NS EW	FU	MXAC	
SYAU	14.5	6m	1	12:47	NS EW	FU	MXAC	
SYAU	14.5	20	1	12:47	NS EW	FU	MXAC	

(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

DONE

DATE (day-month-year) 31-7-2006
OBSERVERS _____

OBSERVERS

WEATHER

START TIME

END TIME

INITIAL MILEAGE

END MILEAGE

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LE?	14.5	51 m	1	12:48	N S E W	FU	MXAC	
LECA	14.5	19 m	2	12:49	N S E W	FU	MXAC	
LECA	14.6	46 m	1	12:49	N S E W	FU	MXAC	
LECA	14.6	30 m	1	12:51	N S E W	FU	MXAC	
LECA	14.7	49 m	1	12:52	N S E W	FU	MXAC	
LECA	14.9	47 m	1	12:54	N S E W	FL	MXAC	
LECA	15.3	20 m	1	12:57	N S E W	FL	MXAC	
LECA	15.3	86 m	1	12:57	N S E W	FL	GR	
LECA	15.3	38 m	1	12:57	N S E W	FL	GR	
LECA	15.3	56 m	4	12:59	N S E W	FL	GR	
LECA	15.5	36 m	1	1:02	N S E W	FU	GR	
LE?	15.5	53 m	1	1:02	N S E W	FU	MXAC	
LECA	15.5	44 m	1	1:04	N S E W	FU	GR	
LECA	15.6	99 m	3	1:04	N S E W	FU	GR	
LECA	15.7	83 m	1	1:06	N S E W	FU	GR	
LECA	15.7	58 m	1	1:06	N S E W	FU	GR	
LECA	15.7	33 m	1	1:07	N S E W	FU	GR	
LECA	15.7	50 m	1	1:08	N S E W	FU	HUWI	

(18 rows)

(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)

MX mixed grassland (w/AC or YU)

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DONE

DATE (day-month-year) 31-7-06

OBSERVERS _____

WEATHER _____

START TIME _____

INITIAL MILEAGE _____ END TIME _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAU	16.2	0.0	1	1:14	N S E W	RG	HU	
LECA	16.7	37m	1	1:21	N S E W	FU	GR	
LETO	16.8	49m	1	1:22	N S E W	FU	GR	
LECA	16.8	20m	1	1:23	N S E W	FU	GR	
SYAU	17.1	19m	1	1:27	N S E W	FU	GR	
LECA	17.2	32m	1	1:28	N S E W	FU	GR	
LETO	17.3	45m	1	1:30	N S E W	FU	HU	Road
SYAU	17.3	6m	1	1:31	N S E W	FU	GR	
LECA	17.3	33m	1	1:32	N S E W	FU	GR	
LECA	17.4	6m	1	1:34	N S E W	FU	GR	
LECA	17.8	40m	1	1:39	N S E W	FU	GR	
LECA	17.9	20m	1	1:40	N S E W	FU	GR	
SYAU	18.1	19m	1	1:43	N S E W	FU	GR	
LECA	18.5	19m	2	1:47	N S E W	RG	GR	
LETO	19.0	35m	1	1:51	N S E W	MS	GR	
LECA	19.2	20m	1	1:54	N S E W	FU	GR	
LECA	19.2	23m	1	1:54	N S E W	FU	GR	
LECA	19.4	11m	1	1:56	N S E W	FU	GR	

(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:

GR grassland

HU human structure (<30 m)

AC saltbush

YU yucca

MX mixed grassland (MXAC or MXYU)

SGS-LTER Long-Term Monitoring Project
Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

DATE (day-month-year) 31-7-2006

OBSERVERS _____

WEATHER _____

START TIME _____

INITIAL MILEAGE _____

END TIME _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	19.6	19m	1	1:58	N S E W	FU	GR	
LECA	19.6	19m	1	1:58	N S E W	FU	GR	
SYAU	19.6	5m	1	2:00	N S E W	FU	MXAC	
LECA	19.8	19m	1	2:01	N S E W	FU	MXAC	
LECA	19.8	22m	1	2:03	N S E W	FU	GR	
LECA	19.9	31m	1	2:04	N S E W	FU	GR	
LECA	20.0	21m	1	2:05	N S E W	MS	GR	
SYAU	20.1	0.0	1	2:06	N S E W	SW	HU road	
SYAU	20.1	30m	1	2:06	N S E W	CR	GR	
LETO	20.1	76m	1	2:07	N S E W	CR	GR	
SYAU	20.3	39m	1	2:09	N S E W	FL	HU road	
SYAU	20.5	10m	1	2:10	N S E W	RG	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

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:

GR grassland

HU human structure (<30 m)

AC saltbush

YU yucca

MX mixed grassland (MXAC or MXYU)

841.5

SGS-LTER Long-Term Monitoring Project
Spotlight Rabbit Count

CIRCLE ONE:

CPER

PNG

DoneDATE (day-month-year) 18-October-2006OBSERVERS MDL, Sean Hauser, Alex Suarez, NK ES, LRAWEATHER clearSTART TIME 19:20END TIME INITIAL MILEAGE 0END MILEAGE

LECA

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	0.1	44	2	19:21	N S <u>(E)</u> W	FL	GR	
SYAU	0.1	22	1	19:21	N S <u>(E)</u> W	FL	GR	
LECA	0.1	3	1	19:21	N S <u>(E)</u> W	FL	GR	
LECA	0.15	29	1	19:21	N S E <u>(W)</u>	MS	GR	
LECA	0.20	23	1	19:26	N S <u>(E)</u> W	MS	GR	
SYAU	0.25	28	1	19:26	N S E <u>(W)</u>	FU	GR	
LECA	0.25	22	1	19:27	N S E <u>(W)</u>	FU	GR	
SYAU	0.25	11	1	19:27	N S E <u>(W)</u>	FU	GR	
LECA	0.30	30	1	19:30	N S E <u>(W)</u>	FU	GR	
SYAU	0.35	0	1	19:31	N S <u>(E)</u> W	FU	GR	
SYAU	0.35	27	1	19:34	N S E <u>(W)</u>	FU	GR	
LECA	0.35	74	1	19:35	N S E <u>(W)</u>	FU	GR	
SYAU	0.40	8	1	19:36	N S <u>(E)</u> W	FU	GR	
LECA	0.45	8	1	19:37	N S <u>(E)</u> W	FU	GR	
SYAU	0.45	31	1	19:39	N S E <u>(W)</u>	FU	GR	
SYAU	0.70	5	1	19:43	N S E <u>(W)</u>	MS	GR	
SYAU	0.75	27	1	19:45	N S E <u>(W)</u>	MS	GR	
SYAU	0.90	2	1	19:47	N S <u>(E)</u> 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:

Done

DATE (day-month-year) 18 October 2006

OBSERVERS

WEATHER

START TIME

END TIME

INITIAL MILEAGE

END MILEAGE

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
SYAU	0.95	76	1	19:49	N S (E) W	MS	GR	
SYAU	1.10	38	1	19:52	N S (E) W	MS	GR	
LETO	1.25	53	2	19:57	N S E (W)	FL	GR	
SYAU	1.60	0	1	20:00	(N) S E W	FL	MX/AC	
UNRA	1.70	77	1	20:02	N S (E) W	FL	MX/AC	
LECA	1.80	0	1	20:05	(N) S E W	MS	MX/AC	
LECA	2.40	47	1	20:13	N S E (W)	MS	GR	
LECA	3.00	43	1	20:19	N (S) E W	FL	GR	
UNRA	3.00	86	1	20:19	N (S) E W	FL	GR	
LECA	3.15	32	1	20:21	N (S) E W	FL	MX/AC	
SYAU	3.30	28	1	20:24	N (S) E W	FL	MX/AC	
SYAU	3.30	26	1	20:24	(N) S E W	FL	MX/AC	
SYAU	3.70	5	1	20:29	N S (E) W	FL	MX/AC	
LECA	3.80	27	2	20:30	N (S) E W	FL	MX/AC	
LECA	3.80	56	1	20:31	(N) S E W	MS	MX/AC	
LECA	3.85	37	1	20:33	N S (E) W	MS	MX/AC	
SYAU	4.10	26	1	20:36	N S (E) W	P.6	MX/YU	
UNRA	4.30	10	1	20:38	N S E (W)	MS	MX/YU	

(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)

SGS-LTER Long-Term Monitoring Project
Spotlight Rabbit Count

CIRCLE ONE:

CPER

PNG

Done

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	4.75	39	1	20:44	N S E W	FU	MXAC	
LECA	4.80	20	1	20:50	N S E W	FU	MXAC	
LECA	4.90	60	1	20:51	N S E W	FU	MXAC	
LECA	5.00	12	1	20:53	N S E W	FU	MXAC	
LECA	5.20	42	1	20:56	N S E W	FU	MXAC	
LECA	5.30	0	1	20:57	N S E W	FU	MXAC	
LECA	5.30	34	2	20:58	N S E W	FU	MXAC	
LECA	5.45	15	1	21:00	N S E W	FU	MXAC	
LECA	5.50	15	1	21:01	N S E W	FU	MXAC	
LECA	5.50	48	2	21:02	N S E W	FU	MXAC	
LECA	5.55	19	1	21:02	N S E W	FU	MXAC	
LECA	5.70	21	1	21:04	N S E W	FU	MXAC	
SYAU	5.70	4	1	21:04	N S E W	FU	MXAC	
SYAU	5.75	33	1	21:05	N S E W	FU	MXAC	
SYAU	5.80	0	1	21:06	N S E W	FU	MXAC	
SYAU	5.80	12	1	21:07	N S E W	FU	MXAC	HU
SYAU	6.20	39	1	21:10	N S E W	FU	GR	
LECA	6.45	53	1	21:21	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

Done

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____

END TIME _____

INITIAL MILEAGE _____

END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	6.60	38	1	21:22	NSEW	FU	MXAC	
CALA	8.50	—	—	21:39	NSEW	—	—	Alfalfa Field
LECA	8.90	56	1	21:41	NSEW	FL	HU	Alfalfa Field
LECA	9.00	0	2	21:43	NSEW	FL	MXAC	
SYAU	9.25	33	1	21:45	NSEW	FL	MXAC	
LECA	9.30	64	1	21:47	NSEW	FL	MXAC	
LECA	9.40	56	1	21:48	NSEW	FL	MXAC	
LECA	9.90	83	2	21:53	NSEW	FL	MXAC	
LETO	10.15	46	1	21:56	NSEW	FL	MXAC	
SYAU	10.45	10	1	22:03	NSEW	FL	MVAC	
WUE	10.50		1	22:10	NSEW	FL	MVAC	P-dog town
TATA	10.70		1	22:11	NSEW	FL	MXAC	P-dog town
SYAU	10.85	33	1	22:14	NSEW	FL	MXA	Human structure
SYAU	10.90	34	1	22:15	NSEW	FL	MVAC	
SYAU	11.55	11	1	22:21	NSEW	SW	MXAC	
LECA	11.55	23	1	22:21	NSEW	SW	MXAC	
LECA	12.00	51	1	22:24	NSEW	SW	GR	
LECA	12.15	30	1	22:28	NSEW	FL	GR	

(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)

SGS-LTER Long-Term Monitoring Project Spotlight Rabbit Count

CIRCLE ONE: CPER PNG

Done

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____ END TIME _____

INITIAL MILEAGE _____ END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
ALA	12.4		1	22:39	N S <u>W</u>	FL	GR	
LEIA	12.55	78	1	22:33	N S E <u>W</u>	FU	GR	
LEIA	12.80	54	1	22:35	N S E <u>W</u>	FU	GR	
LEIA	13.50	59	1	22:42	N S E <u>W</u>	FU	GR	
LEIA	13.50	45	1	22:42	N S E <u>W</u>	FU	GR	
LEIA	13.70	62	1	22:45	N S E <u>W</u>	FU	GR	
LEIA	13.90	54	1	22:49	N S E <u>W</u>	FU	GR	
LEIA	13.95	79	3	22:50	N S E <u>W</u>	FU	GR	
LEIA	13.95	90	2	22:50	N S E <u>W</u>	FU	GR	
LEIA	14.00	83	1	22:52	N S E <u>W</u>	FU	GR	
LEIA	14.00	99	1	22:52	N S E <u>W</u>	FU	GR	
SYAU	14.20	70	2	22:55	N S E <u>W</u>	FU	MXAC	
LEIA	14.45	29	1	22:58	N S E <u>W</u>	FU	MXAC	
LEIA	14.55	24	1	22:51	N S E <u>W</u>	FU	MXAC	
LEIA	14.75	80	1	23:01	N S E <u>W</u>	FU	MXAC	
LEIA	14.90	44	2	23:02	N S E <u>W</u>	FU	MXAC	
LEIA	15.20	54	3	23:04	N S E <u>W</u>	FU	MXAC	
LEIA	15.20	67	1	23:04	N S E <u>W</u>	FU	MXAC	

(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

Done

DATE (day-month-year) _____

OBSERVERS _____

WEATHER _____

START TIME _____ END TIME _____

INITIAL MILEAGE _____ END MILEAGE _____

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
LECA	15.30	90	1	22:10	NSEW	FU	GR	
LETO	15.40	39	1	22:12	NSEW	FU	GR	
SYAU	16.20	37	1	22:18	NSEW	FU	GR	
SYAU	16.30	0	2	22:19	NSEW	FU	HU	
SYAU	16.45	6	1	22:21	NSEW	MS	GR	
SYAU	16.50	2	1	22:22	NSEW	MS	GR	
LECA	17.35	39	1	22:30	NSEW	FU	GR	
LECA	17.50	19	1	22:30	NSEW	FU	GR	
LECA	17.55	16	2	22:32	NSEW	FL	GR	
LECA	18.60	20	1	22:42	NSEW	RG	HUWI	
LECA	18.80	12	1	22:44	NSEW	MS	GR	
LECA	19.00	48	1	22:46	NSEW	MS	GR	
SYAU	19.10	18	1	22:47	NSEW	MS	GR	
LECA	19.10	31	2	22:48	NSEW	MS	GR	
LETO	19.1	25	1	22:48	NSEW	MS	GR	
ANAM	19.45		20	22:51	NSEW	FU	GR	
LECA	19.70	34	1	22:56	NSEW	FU	GR	
SYAU	19.80	23	1	22:54	NSEW	FU	MVAC	

(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

Done

DATE (day-month-year)

OBSERVERS

WEATHER 21°F Clear Cold

START TIME

END TIME 23:07

INITIAL MILEAGE

END MILEAGE 20.5

SPECIES	MILEAGE	DISTANCE	# ANIMALS	TIME	DIRECTION	Topogr	Veg	COMMENTS
AECA	20.0	51	1	23:00	NSEW	MS	MXAC	
LETO	20.1	74	1	23:02	NSEW	SW	MXAC	
AECA	20.3	87	1	23:03	NSEW	SW	MXAC	
TATA	20.3		1	23:33	NSEW	SW	MXAC	
SYAU	20.4	50	2	23:05	NSEW	FU	GR	
SYAU	20.4	40	1	23:05	NSEW	MS	GR	
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			
					NSEW			

(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)