

Project Summary Sheet – Year 2002

Project Name Long-Term Canine Monitoring - 'Scat Count'

Project Number ARS #99

Principal Investigator(s) Paul Stapp, Mark Lindquist

Dates of Data Collection 1/10/02, 1/25/02, 4/8/02, 4/25/02, 07/01/02, 07/15/02, 10/01/02, 10/15/02

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

Approximately 20 mile transect across CPER

Full Names of Data Collectors Mark Lindquist, Nicole Kaplan, Laurel Hartley, David Huber, Julia Dyson, John Bradford, Molly Anderson

Names of Associated Files and Databases Lter-al grants\lter\WorkStudy\Arst#98-LT-Animal-Mon-Data\canids\SCAT-97-98-99-00-01-02.xls

Also www-data on Limberpine\sgs\lterdb\LTMontrCarn Scat Cnt

Summary of Data Collected (How are data sheets organized? How many pages are in each section? etc.) (1998-2001 data closed to the public.)

<u>Pre-Census</u>	<u>Census</u>
10 Jan 2002 - 3 pgs	25 Jan 2002 - 4 pgs
08 April 2002 - 4 pgs	25 April 2002 - 1 pg
01 July 2002 - 1 pg	15 July 2002 - 1 pg
01 Oct 2002 - 1 pg	15 Oct 2002 - 1 pg

Questions and Concerns

- ① Human structure codes changed on data sheet (ie HUWI = windmill)
- ② We need April 28, 1998 Scat Count!
- ③ We need copies of data sheets or digital data sets from 1994 - 1997. I have been unable to find these data.

Date copies of data sheets were sent to PI(s) 8 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

1.3

COUNT (circle): PRE-CENSUS **CENSUS**

OBSERVERS MDL, NEK, LMH

COMMENTS Clear cold, light skiff snow

ENDING MILEAGE

TOTAL FR/VF: CALA	3	VUVE	17
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TOTAL SCATS: CALA 37 VUVE 63

Mileage	Species	Age	Topogr	Veg
1.4	Vuvc	FR	MS	GR
1.6	Vuvc	OL	FL	GR
1.6	Cala	OL	FL	GR
1.7	Vuvc	FR	FL	GR
2.2	Vuvc	OL	FU	GR
2.3	Vuvc	OL	FU	GR cattle ground
2.3	Cala	FR	Fu	GR
2.3	Vuvc	OL	Fu	GR
2.3	Vuvc	FR	Fu	GR
2.4	Vuvc	FR	Fu	GR
2.5	Vuvc	VO	FL	GR
2.5	Cala	FR	FL	GR
2.5	Vuvc	FR	FL	GR
2.6	Vuvc	FR	FL	GR
2.6	Cala	VO	FL	GR
2.6	Vuvc	VO	FL	GR
2.6	Vuvc	VO	FL	GR
2.7	Vuvc	VO	FL	GR
2.7	Vuvc	VO	FL	GR
2.7	Vuvc	OL	FL	GR
2.8	Vuvc	VO	FL	GR

(21)

Species codes: CALA coyote **Age:** VO very old
VUVE swift fox OL old

Vegetation codes:

AC saltbush

YU *yucca*

CR creek drainage

GR grassland

YU yucca HU human structure (<30 m)

MX mixed grassland (w/AC or YU)

Mileage	Species	Age	Topogr	Veg
2.8	Cala	VO	FL	GR
2.9	Cala	VO	FL	GR
2.9	Cala	VO	FL	GR
2.9	Vuve	OL	FL	GR
3.0	Vuve	FR	FL	GR
3.0	Vuve	VO	FL	GR
3.1	Cala	VO	FL	MX
3.4	Cala	OL	FL	MX
3.4	Vuve	OL	FL	MX
3.4	Cala	VO	FL	MX
3.4	Cala	VO	FL	MX
3.4	Cala	VO	FL	MX
3.6	Vuve	FR	FL	MX
3.6	Vuve	FR	FL	MX
3.7	Cala	VO	FL	MX
3.8	Cala	VO	FL	MX
3.8	Cala	VO	FL	MX
4.4	Cala	VO	ER	MX
4.8	Vuve	OL	FL	MX
4.8	Cala	OL	FL	MX
7.9	Vuve	OL	FL	MX/HATCH

(21)

VF very fresh
FR fresh

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 (w/AC or YU)	

SGS-LTER Long-Term Monitoring Project Carnivore Scat Count

A minimum of two observers remove all scats from the 20-mile lagomorph count route; these are recorded as the PRE-CENSUS count. The route is driven at approximately 10 mph (range 5-15 mph), with one observer on the hood of the truck. Ca. 7-14 days later, the route is driven again and the number of scats of each species are tallied. Scats can be collected for later analysis if desired. The census is conducted in January, April, July, and October, and if possible near to the time of the lagomorph surveys.

COUNT (circle): **PRE-CENSUS** **CENSUS**

DATE 10 Jan 02

OBSERVERS

COMMENTS

ENDING MILEAGE 20.8 13:40

TOTAL FR/VF: CALA 3 VUVE 17

TOTAL SCATS: CALA 37 **VUVE** 63

[illegible]

(21)

Species codes: CALA coyote **Age:** VO very old VF very fresh
VUVE swift fox OL old FR fresh

Topography codes:

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

Vegetation codes:

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

[illegible]

(21)

SGS-LTER Long-Term Monitoring Project

Carnivore Scat Count

A minimum of two observers remove all scats from the 20-mile lagomorph count route; these are recorded as the PRE-CENSUS count. The route is driven at approximately 10 mph (range 5-15 mph), with one observer on the hood of the truck. Ca. 7-14 days later, the route is driven again and the number of scats of each species are tallied. Scats can be collected for later analysis if desired. The census is conducted in January, April, July, and October, and if possible near to the time of the lagomorph surveys.

COUNT (circle): PRE-CENSUS

CENSUS

DATE 25 Jan. 02

8:30 24371

OBSERVERS MDL, NFK, LMITCOMMENTS Cold windy later in day?

ENDING MILEAGE

TOTAL FR/VF: CALA 23 VUVE 56TOTAL SCATS: CALA 56 VUVE 82

Mileage	Species	Age	Topogr	Veg
0.2	Vuue	OL	GR	FU
0.5	Cala	OL	GR	FU
0.6	Vuue	OL	GR	FL
0.7	Vuue	VO	GR	FU
1.2	Vuue	OL	GR	FU
1.2	Vuue	OL	GR	FU
1.2	Cala	OL	GR	FU
1.3	Vuue	FR	GR	FU
1.4	Vuue	FR	GR	MS
1.5	Vuue	VO	MX/AC	SW
1.5	Cala	VO	MX/AC	SW
1.6	Vuue	OL	MX/AC	SW
1.6	Vuue	FR	MX/AC	SW
1.8	Vuue	FR	GR	FL
1.8	Cala	FR	GR	FL
1.8	Cala	VF	GR	FL
1.9	Vuue	FR	GR/HU	FU
1.9	Vuue	VF	GR	FU
1.9	Cala	VO	GR	FU
1.9	Vuue	OL	GR	FU
1.9	Vuue	FR	GR	FU

(21)

Species codes: CALA coyote

Age: VO very old

VF very fresh

VUVE swift fox

OL old

FR fresh

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)

Mileage	Species	Age	Topogr	Veg
2.1	Vuue	OL	FU	GR
2.1	Vuue	FR	FU	GR
2.2	Cala	VF	FU	GR
2.2	Vuue	FR	FU	GR
2.3	Vuue	OL	FU	GR
2.3	Cala	VO	FU	GR
2.4	Vuue	FR	FU	GR
2.5	Vuue	OL	FU	GR
2.5	Vuue	FR	FU	GR
2.5	Cala	OL	MS	GR
2.5	Vuue	FR	MS	GR
2.7	Vuue	FR	MS	GR
2.7	Vuue	VO	MS	GR
2.7	Cala	OL	MS	GR
2.8	Vuue	FR	FL	GR
2.8	Cala	OL	FL	GR
2.9	Vuue	OL	FL	GR
2.9	Cala	FR	FL	GR
2.9	Cala	VO	FL	GR
2.9	Vuue	VO	FL	GR
2.9	Cala	OL	FL	GR

(21)

Cath
glin

SGS-LTER Long-Term Monitoring Project Carnivore Scat Count

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COUNT (circle):

PRE-CENSUS

CENSUS

DATE 25 Jan 02

OBSERVERS MDL, NEK, LMH

COMMENTS _____

ENDING MILEAGE _____

TOTAL FR/VF: CALA 23 VUVE 56

TOTAL SCATS: CALA 56 VUVE 82

Mileage	Species	Age	Topogr	Veg
2.9	Vuue	FR	FL	GR
2.9	Vuue	FR	FL	GR
2.9	Cala	OL	FL	GR
3.0	Cala	VO	FL	GR
3.0	Vuue	FR	FL	GR
3.0	Cala	FR	FL	GR
3.0	Vuue	OL	FL	GR
3.1	Cala	FR	FL	GR
3.1	Cala	OL	FL	GR
3.1	Cala	FR	FL	GR
3.5	Cala	VO	FL	GR
3.5	Cala	VO	FL	GR
3.5	Vuue	OL	FL	GR
3.5	Cala	FR	FL	GR
3.6	Cala	FR	FL	GR
3.7	Vuue	FR	FL	GR
3.7	Vuue	VO	FL	GR
3.7	Cala	VO	FL	GR
3.9	Cala	OL	FL	mx/AC
4.0	Vuue	FR	MS	mx/AC
4.1	Vuue	FR	MS	mx/AC

(21)

Species codes: CALA coyote

Age: VO very old

VF very fresh

VUVE swift fox

OL old

FR fresh

Topography codes:

FU flat upland

RG ridgetop

FL flat lowland

SW swale

MS midslope

CR creek drainage

Vegetation codes:

AC saltbush

GR grassland

YU yucca

HU human structure (<30 m)

MX mixed grassland (w/AC or YU)

Mileage	Species	Age	Topogr	Veg
4.1	Vuue	FR	MS	mx/AC
4.2	Vuue	FR	RG	mx/YU
4.2	Cala	FR	RG	mx/YU
4.2	Cala	VO	RG	mx/YU
4.4	Vuue	FR	MS	mx/YU
4.5	Vuue	FR	MS	mx/YU
4.6	Vuue	OL	MS	mx/AC
4.7	Vuue	FR	CR	ditl GR
4.8	Vuue	OL	MS	mx/AC
4.9	Cala	FR	FL	mx/AC
5.2	Cala	OL	FL	mx/AC
5.2	Vuue	FR	FL	mx/AC
5.4	Vuue	FR	FL	mx/AC
5.4	Cala	VO	FL	mx/AC
5.4	Vuue	FR	FL	mx/AC
5.5	Cala	OL	FL	mx/AC
5.7	Vuue	FR	FL	mx/AC
9.2	VUVE	FR	FL	MX/AC
9.2	VUVE	FR	FL	MX/AC
9.55	VUVE	FR	FL	MX/AC
9.9	VUVE	FR	FL	MX/AC

(21)

SGS-LTER Long-Term Monitoring Project
Carnivore Scat Count

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COUNT (circle): PRE-CENSUS

CENSUS

DATE 25 Jan 02

OBSERVERS MOL, NEK, LMIT

COMMENTS Overcast, supposed to be windy, later today

ENDING MILEAGE

TOTAL FR/VF: CALA 23 VUVE 56

TOTAL SCATS: CALA 56 VUVE 82

Mileage	Species	Age	Topogr	Veg
9.95	VUVE	FR	FL	MX/AC
9.95	CALA	OL	FL	MX/AC
10.0	VUVE	FR	FL	MX/AC
10.2	VUVE	FR	FL	MX/AC
10.25	VUVE	FR	FL	MX/AC
10.25	VUVE	OL	FL	MX/AC
10.35	VUVE	OL	FL	MX/AC
10.40	CALA	OL	FL	MX/AC
10.40	VUVE	FR	FL	MX/AC
10.40	CALA	FR	FL	MX/AC
10.55	VUVE	FR	FL	MX/AC
10.60	CALA	FR	FL	MX/AC
10.70	CALA	FR	FL	MX/AC
10.75	CALA	FR	FL	MX/AC
10.8	CALA	VO	FL	MX/AC
10.8	CALA	FR	FL	MX/AC
10.9	CALA	VO	FL	MX/AC
10.9	CALA	FR	FL	MX/AC
11.3	VUVE	OL	FL	MX/AC
11.4	CALA	OL	MS	MX/AC
11.55	CALA	VO	MS	MX/AC

(21)

Species codes: CALA coyote

VUVE swift fox

Age: VO very old

OL old

VF very fresh

FR fresh

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)

Mileage	Species	Age	Topogr	Veg
11.55	VUVE	FR	MS	MX/AC
11.7	CALA	OL	CR	MX/AC
11.7	VUVE	FR	CR	MX/AC
11.7	VUVE	OL	CR	MX/AC
11.95	CALA	OL	MS	GR
12.15	VUVE	FR	MS	GR
12.4	VUVE	FR	FL	GR
12.9	VUVE	FR	FL	GR
12.9	CALA	FR	FL	GR
13.0	VUVE	FR	FL	GR
13.2	VUVE	FR	FL	GR
13.85	CALA	VO	FL	GR
14.35	VUVE	OL	MS	MX/AC
14.35	CALA	VO	MS	MX/AC
16.0	VUVE	FR	FU	GR-HU
16.1	VUVE	FR	FU	GR
16.35	VUVE	FR	MS	GR
16.5	CALA	FR	RG	GR-HU
16.5	VUVE	FR	RG	GR-HU
16.8	VUVE	FR	MS	GR
16.8	VUVE	FR	RG	GR/YU

(21)

SGS-LTER Long-Term Monitoring Project Carnivore Scat Count

P. 1 of 2

A minimum of two observers remove all scats from the 20-mile lagomorph count route; these are recorded as the PRE-CENSUS count. The route is driven at approximately 10 mph (range 5-15 mph), with one observer on the hood of the truck. Ca. 7-14 days later, the route is driven again and the number of scats of each species are tallied. Scats can be collected for later analysis if desired. The census is conducted in January, April, July, and October, and if possible near to the time of the lagomorph surveys.

COUNT (circle):

PRE-CENSUS

CENSUS

11:20

DATE 08 April 2002

OBSERVERS M. Lindquist, L. Hartley, N. Kaplan

COMMENTS

ENDING MILEAGE 20:55

TOTAL FR/VF: CALA 9/0 VUVE 3/1

TOTAL SCATS: CALA 46 **VUVE** 50

Mileage	Species	Age	Topogr	Veg
0.5	Vuue	OL	RG	GR
0.5	Cala	FR	RG	GR
0.5	Cala	VO	RG	GR
0.7	Vuue	OL	SV	GR
1.2	Vuue	VO	FL	GR
1.2	Cala	VO	FL	GR
1.2	Cala	VO	FL	GR
1.5	Cala	FR	SW	Mx w/ AC
1.9	Vuue	OL	FL	GR
2.6	Vuue	OL	FL	GR
2.9	Cala	OL	FL	GR
2.9	Cala	FR	FL	GR
2.9	Vuue	OL	FL	GR
2.9	Vuue	FR	FL	GR
2.9	Cala	VO	FL	GR
2.9	Vuue	VO	FL	GR
2.9	Vuue	VO	FL	GR
2.9	Cala	VO	FL	GR
3.0	Vuue	OL	FL	Mx / AC
3.1	Cala	VO	FL	Mx / AC
3.2 ^{3,2}	Cala	VO	FL	Mx / AC

(21)

Species codes: CALA coyote

VUVE swift fox

Age: VO very old

OL old

VF very fresh

FR fresh

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)

(21)

Mileage	Species	Age	Topogr	Veg
3.2	Vuue	VO	FL	mx/AC
3.5	Cala	VO	FL	mx/AC
3.5	Cala	VO	FL	mx/AC
3.7	Cala	VO	FL	mx/AC
3.7	Cala	VO	FL	mx/AC
3.7	Vuue	VO	FL	mx/AC
3.7	Cala	VO	FL	mx/AC
3.8	Cala	VO	FL	mx/AC
3.8	Cala	FR	FL	mx/AC
3.9	Cala	VO	FL	mx/AC
3.9	Cala	OL	FL	mx/AC
4.1	Vuue	VF	RG	mx/Yu+AC
4.7	Cala	VO	FL	AC
4.7	Cala	VO	FL	AC
4.7	Vuue	OL	FL	AC
9.9	Cala	OL	FL	mx/AC
9.9	Vuue	OL	FL	mx/AC
10.1	Vuue	VO	FL	mx/AC
10.1	Vuue	OL	FL	mx/AC
10.1	Cala	OL	FL	mx/AC
10.1	Cala	OL	FL	mx/AC

②

SGS-LTER Long-Term Monitoring Project

Carnivore Scat Count

p. 2 of 3

A minimum of two observers remove all scats from the 20-mile lagomorph count route; these are recorded as the PRE-CENSUS count. The route is driven at approximately 10 mph (range 5-15 mph), with one observer on the hood of the truck. Ca. 7-14 days later, the route is driven again and the number of scats of each species are tallied. Scats can be collected for later analysis if desired. The census is conducted in January, April, July, and October, and if possible near to the time of the lagomorph surveys.

COUNT (circle): PRE-CENSUS CENSUS

DATE 08 April

OBSERVERS N. Kaplan, M. Lindquist, L. Martley

COMMENTS _____

ENDING MILEAGE _____

TOTAL FR/VF: CALA _____ VUVE _____

TOTAL SCATS: CALA _____ VUVE _____

Mileage	Species	Age	Topogr	Veg
10.2	Vuuv	VO	FL	MX/AC
10.3	Cala	VO	FL	MX/AC
10.5	Cala	VO	FL	MX/AC
10.5	Vuuv	OL	FL	MX/AC
10.6	Vuuv	VO	FL	MX/AC
10.7	Vuuv	OL	FL	MX/AC
10.7	Cala	FR	FL	MX/AC
10.8	Cala	FR	FL	MX/AC
10.8	Vuuv	VO	FL	MX/A
10.8	Cala	VO	FL	MX/AC
10.8	Vuuv	VO	FL	MX/AC
10.8	Vuuv	FR	FL	MX/AC
10.8	Cala	FR	FL	MX/AC
11.0	Cala	OL	FL	MX/AC
11.0	Vuuv	VO	FL	MX/AC
11.1	Cala	FR	FL	MX/AC
11.2	Cala	OL	FL	MX/AC
11.2	Cala	VO	FL	MX/AC
11.2	Vuuv	VO	FL	MX/AC
11.3	Cala	VO	FL	MX/AC
11.3	Cala	VO	FL	MX/AC

(21)

Species codes: CALA coyote

VUVE swift fox

Age: VO very old

OL old

VF very fresh

FR fresh

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)

Mileage	Species	Age	Topogr	Veg
11.3	Vuuv	VO	FL	MX/AC
11.4	Cala	VO	FL	MX/AC
11.4	Vuuv	VO	FL	MX/AC
11.4	Cala	VO	FL	MX/AC
11.5	Cala	VO	FL	MX/AC
11.5	Vuuv	VO	FL	MX/AC
11.5	Vuuv	VO	FL	MX/AC
11.6	Vuuv	OL	FL	MX/AC
11.7	Vuuv	VO	FL	MX/AC
11.8	Vuuv	VO	FL	GR
12.5	Vuuv	VO	FL	GR
12.5	Cala	VO	FL	GR
13.6	Vuuv	VO	FL	GR
13.7	Vuuv	FR	FL	GR
14.2	CALA	OL	MS	MX/AC
14.2	VUVE	VO	MS	MX/AC
16.15	VUVE	OL	MS	GR
16.2	VUVE	VO	MS	GR
16.3	CALA	VO	RG	GR
16.3	VUVE	OL	RG	GR
16.4	VUVE	VO	MS	GR

(21)

edge of ridgetop
pdog

SGS-LTER Long-Term Monitoring Project

Carnivore Scat Count

p. 3 of 3

A minimum of two observers remove all scats from the 20-mile lagomorph count route; these are recorded as the PRE-CENSUS count. The route is driven at approximately 10 mph (range 5-15 mph), with one observer on the hood of the truck. Ca. 7-14 days later, the route is driven again and the number of scats of each species are tallied. Scats can be collected for later analysis if desired. The census is conducted in January, April, July, and October, and if possible near to the time of the lagomorph surveys.

COUNT (circle): PRE-CENSUS CENSUSDATE 08 April 2002OBSERVERS M. Lindquist, L. Hartley

COMMENTS _____

ENDING MILEAGE 20.55

TOTAL FR/VF: CALA _____ VUVE _____

TOTAL SCATS: CALA _____ VUVE _____

Mileage	Species	Age	Topogr	Veg
16.65	VUVE	OL	RG	mx/YU
16.70	VUVE	OL	RG	mx/YU
16.75	VUVE	OL	RG	mx/YU
17.2	CALA	OL	MS	GR
18.3	VUVE	OL	RG	GR
18.3	CALA	VO	RG	GR
18.35	VUVE	VO	RG	GR
18.35	VUVE	OL	RG	GR
18.65	CALA	VO	FU	GR/HU
18.65	VUVE	VO	FU	GR/HU
18.9	CALA	OL	MS	GR
19.1	VUVE	VO	RG	GR
19.65	CALA	VO	FU	GR/mx/HU
19.65	VUVE	VO	FU	GR/mx/HU-AC
19.65	CALA	FR	FU	GR/mx/HU/AC

cattle
guard
cattle
guard(Ac)
cattle
guard

Mileage	Species	Age	Topogr	Veg

(21)

Species codes: CALA coyote **Age:** VO very old VF very fresh
 VUVE swift fox OL old FR fresh

(21)

Topography codes:

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

Vegetation codes:

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

SGS-LTER Long-Term Monitoring Project Carnivore Scat Count

A minimum of two observers remove all scats from the 20-mile lagomorph count route; these are recorded as the PRE-CENSUS count. The route is driven at approximately 10 mph (range 5-15 mph), with one observer on the hood of the truck. Ca. 7-14 days later, the route is driven again and the number of scats of each species are tallied. Scats can be collected for later analysis if desired. The census is conducted in January, April, July, and October, and if possible near to the time of the lagomorph surveys.

COUNT (circle): PRE-CENSUS

CENSUS

DATE 25 April 2007

DATE 25/11/2007
OBSERVERS M.D. Lindquist, J. Bradford
CONTENTS

COMMENTS

ENDING MILEAGE 20.5

TOTAL FR/VF: CALA **VUVE**

TOTAL SCATS: CALA **VUVE**

Mileage	Species	Age	Topogr	Veg
1.90	VUVE	FR	RG	GR
3.55	Cala	OL	MS	mx/AC
3.60	Cala	OL	MS	mx/AC
3.70	Cala	FR	ms	mx/AC
4.55	Cala	FR	CR	mx/AC
4.80	Cala	FR	FL	mx/AC
4.90	Vuue	FR	FL	mx/AC
9.90	VUVE	FR	FL	mx/AC
9.95	Cala	VO	FL	mx/AC
10.00	Cala	FR	FL	mx/AC
10.25	Cala	FR	FL	mx/AC
10.55	Vuue	FR	FL	mx/AC
11.25	VUVE	OL	MD	mx/AC
11.25	Cala	FR	MS	mx/AC
11.55	Cala	FR	CR	mx/AC
12.90	Cala	FR	FL	GR
16.15	Cala	FR	MS	GR
16.15	VUVE	OL	MS	GR
16.20	Cala	FR	RG	GR
17.20	VUVE	FR	MS	GR
18.00	Cala	FR	RG	GR

(21)

Species codes: CALA coyote

VUVE swift fox

Age: VO very old

OL old

VF very fresh

FR fresh

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)

[illegible]

(21)

EXIT

MX mixed grassland (w/AC or YU)

SGS-LTER Long-Term Monitoring Project Carnivore Scat Count

A minimum of two observers remove all scats from the 20-mile lagomorph count route; these are recorded as the PRE-CENSUS count. The route is driven at approximately 10 mph (range 5-15 mph), with one observer on the hood of the truck. Ca. 7-14 days later, the route is driven again and the number of scats of each species are tallied. Scats can be collected for later analysis if desired. The census is conducted in January, April, July, and October, and if possible near to the time of the lagomorph surveys.

COUNT (circle): PRE-CENSUS CENSUS

DATE 01 Oct 02

OBSERVERS MAL NEK Doo Huber

COMMENTS 0900, Windy, clear, cold 12:09

ENDING MILEAGE 20455

TOTAL FR/VF: CALA		VUVE	
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

TOTAL SCATS: CALA **VUVE**

[illegible][illegible]

(21)

Species codes: CALA coyote **Age:** VO very old
VUVE swift fox OL old

(21)

VF very fresh
FR fresh

Topography codes:

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

Vegetation codes:

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

SGS-LTER Long-Term Monitoring Project

Carnivore Scat Count

A minimum of two observers remove all scats from the 20-mile lagomorph count route; these are recorded as the PRE-CENSUS count. The route is driven at approximately 10 mph (range 5-15 mph), with one observer on the hood of the truck. Ca. 7-14 days later, the route is driven again and the number of scats of each species are tallied. Scats can be collected for later analysis if desired. The census is conducted in January, April, July, and October, and if possible near to the time of the lagomorph surveys.

COUNT (circle): PRE-CENSUS

CENSUS

DATE 15 Oct 02

OBSERVERS

MOL, NEK, Dave Huber

COMMENTS

Start: 0916 13:18

ENDING MILEAGE

20.5

TOTAL FR/VF: CALA

VUVE

TOTAL SCATS: CALA

VUVE

Mileage	Species	Age	Topogr	Veg	Digital Image#	Mileage	Species	Age	Topogr	Veg	Digital Image#
0.85	Cala	FR	RG	GR	2363						
1.55	Juve	VO	SW	MX							
3.75	Juve	VO	FL	MX							
4.25	Juve	OL	MS	MX							
9.30	Cala	FR	FL	MX	2365						
9.60	Cala	OL	FL	MX							
9.85	Cala	FR	FL	MX	2367						
10.10	Cala	VO	FL	MX							
10.85	Cala	FR	FL	MX	2368						
10.90	Cala	FR	FL	MX	2369						
12.60	Cala	VO	CR	MX							
13.80	Juve	VO	FL	GR							
13.90	Juve	FR	FL	GR	2370						
16.6	Juve	VO	MS	GR							
17.6	Cala	FR	MS	GR	2371						
17.8	Cala	FR	FU	GR	2372						
18.5	Juve	FR	RG	GR	2373						
18.5	Juve	OL	RG	GR							
18.65	Cala	VO	FU	GR							
19.35	Cala	VO	FU	GR							

(21)

(21)

Species codes: CALA coyote**Age:** VO very old

VF very fresh

VUVE swift fox

OL old

FR fresh

Topography codes:

FU flat upland

RG ridgetop

FL flat lowland

SW swale

MS midslope

CR creek drainage

Vegetation codes:

AC saltbush

GR grassland

YU yucca

HU human structure (<30 m)

MX mixed grassland (w/AC or YU)