

Project Summary Sheet – Year 2000

Project Name Carnivore Scat Count - Long-Term Monitoring Project

Project Number 98 ^{ARS}

Principal Investigator(s) Paw Stapp, Mark Lindquist, Bill Lauenroth

Dates of Data Collection _____

Location of study area(s) 20 mi. transect through CPER

Full Names of Data Collectors Mark Lindquist, Zach Deegan, Patrick Ray,

Math Cooper, Craig Goodman

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

Type	Date	# Pages
Precensus	29 Dec 1999	5
Census	13 Jan 2000	7
Precensus	27 March	3
Census	11 April	1
Precensus	26 June	2
Census	10 July	1

on rabbit count too?
yes

"SCAT. XLS"

Excel spreadsheet

Questions and Concerns

from Paul → for MX Veg → MXAC ^(Ar.plex) for codes
MX YU ^(Yucca) in data file

for Human structures → HUWI windmill
HUBU buildings
HUCG cattle guard
HUNR not recorded

↓
in future, note these explicitly on data sheet?

Save in Excel 5.0/95 format

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

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

Names of any other persons given copies of data sheets _____

Project Summary Sheet – Year 2000

Project Name Carnivore Scat Count - Long Term Monitoring Project

Project Number ARS 98

Principal Investigator(s) Paul Stapp, Mark Lindquist, Bill Lauenroth

Dates of Data Collection 29 Dec 1999, 13 Jan 2000, 27 March 2000, 11 April 2000, 26 June 2000, 10 July 2000,

Location of study area(s) 20 mile transect through CPER 9 Oct 2000
25 Oct 2000

Full Names of Data Collectors Mark Lindquist, Terry James, Dan Smith, David Smith,
Nicole Kaplan, Laurel Hartley, Matt Cooper, Craig Goodman

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

< 29 Dec 1999	Pre Census	5 pages
< 13 Jan 2000	Census	7 pages
< 27 March 2000	Pre Census	3 pages
< 11 April 2000	Census	1 page
< 26 June 2000	Pre Census	2 pages
< 10 July 2000	Census	1 pages
< 9 Oct 2000	Pre Census	1 page
< 25 Oct 2000	Census	1 page

Questions and Concerns

Should we be concerned about the subjectivity
of the topography ~~counts~~? and veg?

Date copies of data sheets were sent to PI(s) Dec 1 2000 to Paul Stapp, Mark Lindquist

Date copies of data sheets were sent to SGS-LTER office Oct 2000

Names of any other persons given copies of data sheets none

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Names of any other persons given copies of data sheets none

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 9/OCT/00

OBSERVERS MDL, NK, LH

COMMENTS Clear, cold

ENDING MILEAGE 21.1

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

TOTAL SCATS: CALA 14 VUVE 26

Mileage	Species	Age	Topogr	Veg
0.7	Vuue	VO	MS	GR
1.6	Cala	VO	SW	MX
1.6	Vuue	OL	SW	MX
2.0	Vuue	OL	FU	GR
2.15	Vuue	OL	FU	GR
2.20	Vuue	VO	FU	GR
2.40	Vuue	VO	RG	GR
2.45	Vuue	VO	RG	GR
2.53	Vuue	OL	MS	GR
2.70	Vuue	OL	FL	GR
2.75	Vuue	FR	MS	GR
2.90	Cala	VO	MS	GR
2.90	Cala	VO	MS	GR
3.0	Vuue	VO	FL	GR
3.9	Cala	OL	MS	MX
4.5	Vuue	FR	MS	MX
4.8	Vuue	VF	MS	MX
8.4	Vuue	VO	FU	MX
13.8	Vuue	VF	FU	GR
13.9	Cala	VO	FU	GR
14.3	Cala	VF	FU	GR

(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
14.4	Cala	OL	FU	GR
14.5	Cala	VO	FU	GR
16.25	Cala	VO	FL	GR
16.45	Vuue	OL	FL	GR
16.7	Cala	VO	RG	GR
16.7	Vuue	VF	RG	GR
16.9	Vuue	VO	MS	GR
16.9	Vuue	VO	MS	GR
17.5	Vuue	VO	MS	GR
17.85	Vuue	VO	FU	GR
19.70	Cala	VO	FU	GR
19.70	Vuue	VO	FU	GR
19.85	Cala	VO	FU	GR
19.90	Cala	VO	FU	GR
19.90	Cala	VO	FU	GR
19.90	Vuue	VO	FU	GR
20.0	Vuue	FR	FU	GR
20.00	Vuue	VO	FU	GR
20.2	Vuue	VO	FU	MX

(21)

Hu
Cust.
Ground

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.

CENSUS

OBSERVERS MDL, NK, LH

ENDING MILEAGE 20.7

TOTAL FR/VF: CALA 6/3 VUVE 8/1

TOTAL SCATS: CALA $\frac{9}{17}$ VUVE $\frac{8}{17}$

[illegible]

(21)

(21)

FR fresh

MX mixed grassland (w/AC or YU)

SGS-LTER Long-Term Monitoring Project
Carnivore Scat Count

entered

✓

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 26 June 2000

OBSERVERS MOJ, Matt Cooper Craig Goodman

COMMENTS _____

ENDING MILEAGE 21.2

TOTAL FR/VF: CALA 0 VUVE 2

TOTAL SCATS: CALA 17 VUVE 25

Mileage	Species	Age	Topogr	Veg
0.70	Juvel	VO	MS	GR
1.40	Cala	VO	MS	GR
1.40	Juvel	VO	MS	GR
1.45	Juvel	VO	MS	GR
1.75	Juvel	VO	MS	MX
1.90	Juvel	VO	RG	MX
2.00	Juvel	VO	RG	MX
2.10	Juvel	VO	RG	MX
2.30	Cala	VO	FU	MX
2.70	Juvel	VO	FL	MX
2.90	Juvel	VO	FL	MX
2.90	Juvel	VF	FL	MX
2.95	Juvel	VO	FL	MX
2.95	Juvel	VO	FL	MX
3.00	Juvel	VO	FL	MX
3.10	Cala	VO	FL	MX
3.90	Cala	VO	MS	MX
4.60	Juvel	VO	MS	MX
6.30	Juvel	VO	RG	HU
6.50	Juvel	VF	GR	HU
6.50	Juvel	OL	GR	HU

(21)

Mileage	Species	Age	Topogr	Veg
9.55	Cala	VO	FL	AC
9.90	Juvel	VO	FL	AC
10.10	Cala	VO	FL	AC
10.10	Cala	VO	FL	AC
10.40	Juvel	VO	MS	MX
10.50	Cala	VO	FL	MX
10.90	Juvel	VO	FU	MX
13.40	Cala	VO	FU	GR
13.50	Juvel	VO	FU	GR
13.80	Juvel	VO	FU	GR
14.30	Juvel	VO	FU	GR
14.30	Cala	VO	FU	GR
14.35	Cala	VO	FL	GR
14.55	Cala	VO	FL	GR
14.60	Cala	VO	FL	GR
14.65	Cala	VO	FL	GR
14.70	Cala	VO	FL	GR
14.75	Cala	VO	FL	GR
14.75	Juvel	VO	MS	GR
14.80	Juvel	VO	MS	GR

(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)

P. 1 of 1

P. 1 of 1

P. 1 of 1

CENSUS

DATE 10 July 2000

DATE 10 July 2000
OBSERVERS mDL, Zach Deegen, Patrice Ray

COMMENTS Hot Dry
ENDING MILEAGE 200

ENDING MILEAGE 20.9

TOTAL FR/VF: CALA Ø **VUVE** Ø

TOTAL SCATS: CALA 0 **VUVE** 3

(21)

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

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 (w/AC or YU)	

Scats.SHT: P. Stapp, 4/98

SGS-LTER Long-Term Monitoring Project
Carnivore Scat Count

10 F 1
entered ✓

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

2 10 start
11:39 end

DATE 11 April 2000

OBSERVERS MDL Laurel Hartley, Nicole Kaplan

COMMENTS _____

ENDING MILEAGE 20.75

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

TOTAL SCATS: CALA 13 VUVE 19

Mileage	Species	Age	Topogr	Veg
0.1	Vuue	FR		GR
1.1	Cala	VO	MS	GR
1.1	Vuue	OL	MS	GR
1.15	Cala	FR	RG	GR
1.5	Cala	FR	SW	MX
1.6	Vuue	FR	SW	MX
2.5	Vuue	VF	MS	GR
2.6	Vuue	VF	MS	GR
3.7	Vuue	FR	RG	GR
4.5	Vuue	OL	MS	MX
4.7	Cala	FR	CR	MX
9.3	Cala	FR	FL	AC
9.7	Vuue	OL	FL	AC
10.1	Cala	OL	FL	AC
10.8	Cala	VF	FL	AC
13.4	Vuue	FR	FU	GR
14.2	Vuue	OL	FU	GR
16.0	Vuue	FR	FL	GR
16.1	Cala	FR	FL	GR
16.2	Vuue	FR	MS	GR
16.4	Vuue	VO	RG	GR

Mileage	Species	Age	Topogr	Veg
16.4	Vuue	VF	RG	GR
16.4	Cala	VO	RG	GR
16.4	Cala	FR	RG	GR
16.55	Cala	FR	MS	GR
16.55	Vuue	FR	MS	GR
16.85	Vuue	FR	MS	GR
17.5	Cala	FR	RG	GR
17.8	Vuue	FR	MS	GR
19.5	Cala	FR	FU	GR
19.8	Vuue	OL	FU	GR
19.85	Vuue	VO	FL	GR

(21)

Species codes: CALA coyote

VUVE swift fox

Age: VO very old

OL old

VF very fresh

FR fresh

(21)

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)

Scats.SHT: P. Stapp, 4/98

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COUNT (circle):

PRE-CENSUS

CENSUS

8:27 a.m.

DATE March 27, 2000OBSERVERS MDL, D. Smith, Nicole Kaplan

COMMENTS _____

ENDING MILEAGE 20.7TOTAL FR/VF: CALA 0/0 VUVE 5/1TOTAL SCATS: CALA 36 VUVE 84

Mileage	Species	Age	Topogr	Veg
0.2	VUVE	VO	FU	GR
0.25	VUVE	VO	FU	GR
0.50	VUVE	VO	FU	GR
0.60	VUVE	VO	MS	GR
0.80	VUVE	VO	MS	GR
1.00	VUVE	VO	FL	GR
1.05	VUVE	VO	FL	GR
1.20	VUVE	VO	MS	GR
1.20	VUVE	OL	MS	GR
1.25	VUVE	VO	MS	GR
1.25	VUVE	VO	MS	GR
1.25	CALA	VO	MS	GR
1.25	VUVE	OL	MS	GR
1.40	VUVE	VO	MS	GR
1.45	VUVE	VO	MS	GR
1.55	VUVE	VO	SW	GR
1.60	VUVE	VO	FL	GR
1.60	VUVE	VO	FL	GR
2.00	VUVE	VO	FU	GR
2.10	VUVE	VO	FU	GR
2.50	CALA	VO	MS	GR

(21)

Species codes: CALA coyoteAge: 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
2.50	VUVE	VO	MS	GR
2.50	CALA	VO	MS	GR
2.60	VUVE	VO	FL	GR
2.85	VUVE	VO	FL	GR
2.90	VUVE	VO	FL	GR
3.70	CALA	VO	MS	GR
3.70	VUVE	VO	FL	MX
5.40	CALA	VO	FU	AC
6.70	CALA	VO	FU	MX
9.40	VUVE	VF	FL	AC
9.45	CALA	OL	FL	AC
9.50	VUVE	VO	FL	AC
9.70	CALA	OL	FL	MX
9.70	VUVE	VO	FL	MX
9.80	VUVE	OL	FL	MX
9.85	CALA	VO	FL	MX
10.00	VUVE	FR	FL	MX
10.00	VUVE	VO	FL	MX
10.05	VUVE	OL	FL	MX
10.10	VUVE	OL	FL	MX
10.30	VUVE	OL	FL	MX

(21)

Scats.SHT: P. Stapp, 4/98

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COUNT (circle): PRE-CENSUS CENSUS

DATE March 27, 2000

OBSERVERS MDL, A. Smith, Nicole Kaplan

COMMENTS _____

ENDING MILEAGE _____

TOTAL FR/VF: CALA _____ VUVE _____

TOTAL SCATS: CALA _____ VUVE _____

Mileage	Species	Age	Topogr	Veg
10.7	Vuue	VO	MS	GR
10.7	Vuue	DL	MS	GR
10.7	Vuue	FR	MS	GR
11.1	Vuue	OL	FL	MX
11.2	Vuue	OL	MS	MX
11.3	Vuue	VO	MS	MX
11.5	Vuue	VO	FL	MX
12.25	Cala	OL	FU	GR
12.7	Cala	VO	FU	GR
12.7	Cala	VO	FU	GR
13.0	Vuue	VO	FU	GR
13.7	Vuue	VO	FU	GR
13.75	Cala	VO	FU	GR
13.8	Cala	VO	FU	GR
14.3	Cala	VO	FU	MX
14.5	Cala	VO	MS	MX
15.0	Cala	VO	FL	MX
15.9	Vuue	VO	FL	GR
15.9	Vuue	VO	FL	GR windmill
16.2	Cala	VO	MS	GR
16.2	Vuue	VO	MS	GR

(21)

Species codes: CALA coyote

Age: VO very old

VF very fresh

VUVE swift fox

OL old

FR fresh

Topography codes:

FU flat upland

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Vegetation codes:

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Mileage	Species	Age	Topogr	Veg
16.3	Vuue	OL	MS	GR
16.3	Cala	OL	MS	GR
16.4	Vuue	OL	MS	GR
16.5	Vuue	VO	MS	GR
16.5	Vuue	VO	MS	GR
16.7	Vuue	VO	MS	GR
16.7	Vuue	VO	MS	GR
16.75	Vuue	VO	RG	GR
16.80	Vuue	VO	MS	GR
16.8	Vuue	VO	MS	GR
16.85	Vuue	VO	MS	GR
16.9	Vuue	VO	FL	GR
16.9	Cala	VO	FL	GR
16.9	Vuue	VO	FL	GR
17.1	Vuue	VO	MS	GR
17.1	Cala	VO	MS	GR
17.15	Vuue	VO	MS	GR
17.3	Vuue	VO	FL	GR
17.35	Vuue	VO	FL	GR
17.35	Cala	VO	FL	GR
17.4	Vuue	OL	FL	GR

(21)

Scats.SHT: P. Stapp, 4/98

SGS-LTER Long-Term Monitoring Project

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COUNT (circle):

PRE-CENSUS

CENSUS

DATE 27 March 00OBSERVERS MOE Nicole Kaplan David Smith

COMMENTS _____

ENDING MILEAGE 20.7

TOTAL FR/VF: CALA _____

VUVE _____

TOTAL SCATS: CALA _____

VUVE _____

Mileage	Species	Age	Topogr	Veg
17.45	Calca	VO	FL	GR
17.45	Uuve	OL	FL	GR
17.45	Uuve	VO	FL	GR cattleguard
17.45	Calca	VO	FU	GR cattleguard
17.5	Calca	VO	FU	GR
17.5	Uuve	OL	FU	GR
17.6	Calca	OL	FU	GR
17.6	Uuve	VO	FU	GR
17.65	Calca	VO	FL	GR
17.7	Uuve	FR	MS	GR
17.8	Uuve	OL	FU	GR
17.9	Uuve	OL	FL	GR
18.1	Uuve	VO	FU	GR
18.1	Uuve	FR	FU	GR
18.3	Uuve	OL	FU	GR
18.4	Uuve	OL	FU	GR
18.4	Calca	OL	FU	GR
18.45	Calca	VO	FU	GR
18.45	Uuve	VO	FU	GR
18.50	Uuve	VO	FU	GR
18.60	Uuve	FR	FU	GR

(21)

Species codes: CALA coyoteAge: 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

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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
18.00	Uuve	OL	FU	GR
18.75	Calca	VO	FU	GR
18.8	Calca	OL	MS	GR
19.2	Uuve	OL	MS	GR
19.25	Uuve	VO	MS	GR
19.30	Uuve	OL	FU	GR
19.30	Calca	OL	FU	GR
19.35	Uuve	OL	FU	GR
19.40	Calca	VO	FU	GR
19.40	Uuve	VO	FU	GR
19.50	Uuve	VO	FU	GR
19.70	Calca	VO	FU	GR
19.75	Calca	VO	FU	GR
19.75	Calca	OL	FU	GR
20.5	Uuve	OL	MS	GR

(21)

Scats.SHT: P. Stapp, 4/98

SGS-LTER Long-Term Monitoring Project
Carnivore Scat Count

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COUNT (circle): PRE-CENSUS

CENSUS

Start: 0803

DATE 13 Jan 00

OBSERVERS MDL, T. James, D. Smith

COMMENTS Fair. Warm for Jan., used new rack on truck.

ENDING MILEAGE 21.5

TOTAL FR/VF: CALA 54 VUVE 154

TOTAL SCATS: CALA 96 VUVE 186

Mileage	Species	Age	Topogr	Veg
0.00	Uuve	OL	SW	GR
0.00	Uuve	VO	SW	GR
0.50	Uuve	FR	FU	GR
0.50	Cala	OL	FU	GR
0.60	Cala	VO	MS	YU
0.90	Uuve	FR	MS	GR
0.90	Uuve	VF	MS	GR
1.10	Uuve	VF	FL	GR
1.10	Uuve	FR	FL	GR
1.10	Uuve	VF	FL	GR
1.10	Uuve	FR	FL	GR
1.15	Uuve	FR	FL	GR
1.30	Uuve	FR	MS	GR
1.30	Cala	VF	MS	GR
1.30	Uuve	FR	MS	GR
1.35	Uuve	FR	MS	GR
1.35	Uuve	VF	MS	GR
1.40	Cala	FR	MS	GR
1.45	Uuve	VF	MS	GR
1.45	Uuve	VF	MS	GR
1.50	Uuve	FR	MS	GR

Mileage	Species	Age	Topogr	Veg
1.65	Uuve	FR	SW	MX
1.80	Uuve	FR	SW	MX
1.80	Uuve	OL	SW	MX
1.80	Uuve	FR	SW	MX
2.00	Cala	FR	MS	GR
2.10	Cala	FR	MS	GR
2.10	Cala	VF	MS	GR
2.10	Uuve	FR	MS	GR
2.15	Uuve	FR	FU	GR
2.20	Cala	FR	FU	GR
2.40	Uuve	FR	FU	GR
2.40	Uuve	OL	FU	HU
2.50	Uuve	FR	RG	GR
2.55	Uuve	VF	MS	GR
2.55	Uuve	FR	MS	GR
2.55	Uuve	FR	MS	GR
2.70	Uuve	FR	MS	GR
2.70	Cala	OL	MS	GR
2.70	Uuve	FR	MS	GR
2.75	Uuve	FR	MS	GR
2.80	Cala	FR	FL	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 mid-slope

CR creek drainage

Vegetation codes:

AC saltbush

GR grassland

YU yucca

HU human structure (<30 m)

MX mixed grassland (w/AC or YU)

Scats.SHT: P. Stapp, 4/98

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 13 Jan 00

OBSERVERS MDL, TJ, DS

COMMENTS _____

ENDING MILEAGE 21.5

TOTAL FR/VF: CALA 54 VUVE 154

TOTAL SCATS: CALA 96 VUVE 186

Mileage	Species	Age	Topogr	Veg
2.90	Uuve	FR	MS	GR
3.20	Cala	FR	FL	GR
3.20	Cala	OL	FL	GR
3.20	Uuve	FR	FL	MX
3.30	Cala	VO	FL	MX
3.30	Uuve	FR	MS	MX
3.30	Uuve	FR	MS	MX
3.30	Cala	OL	MS	MX
3.85	Uuve	UF	MS	MX
3.35	Uuve	FR	MS	MX
3.50	Uuve	FR	MS	MX
3.50	Cala	UF	MS	MX
3.70	Uuve	UF	MS	MX
3.70	Cala	FR	MS	MX
3.90	Uuve	FR	FL	MX
3.90	Uuve	FR	FL	MX
3.90	Uuve	FR	FL	MX
4.0	Uuve	BF	FL	MX
4.05	Cala	FR	MS	MX
4.10	Cala	FR	MS	MX
4.10	Uuve	OL	MS	MX

(21)

Species codes: CALA coyote

Age: VO very old
VUVE swift fox

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
4.15	Cala	FR	MS	MX
4.25	Uuve	OL	MS	MX
4.30	Uuve	FR	MS	MX
4.35	Uuve	FR	MS	MX
4.40	Uuve	FR	RG	MX
4.40	Uuve	FR	RG	MX
4.65	Cala	VO	MS	MX
4.70	Uuve	FR	MS	MX
4.75	Uuve	OL	MS	MX
4.80	Uuve	FR	MS	MX
4.80	Uuve	OL	MS	MX
4.85	Uuve	FR	CR	MX
4.85	Uuve	UF	CR	MX
4.85	Cala	VO	CR	MX
4.90	Cala	VO	CR	MX
4.95	Uuve	FR	FL	MX
4.95	Cala	OL	FL	MX
4.95	Cala	FR	FL	MX
5.00	Cala	FR	FL	MX
5.00	Uuve	FR	FL	MX
5.00	Uuve	FR	FL	MX

(21)

Scats.SHT: P. Stapp, 4/98

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 13 Jan 00

OBSERVERS MDL, DS, TJ

COMMENTS _____

ENDING MILEAGE 21.5

TOTAL FR/VF: CALA 54 VUVE 154

TOTAL SCATS: CALA 96 VUVE 186

Mileage	Species	Age	Topogr	Veg
5.0	Cala	FR	FL	MX
5.0	Cala	FR	FL	MX
5.0	Uuve	FR	FL	MX
5.25	Uuve	FR	FL	MX
5.25	Cala	FR	FL	MX
5.25	Cala	FR	FL	MX
5.25	Uuve	OL	FL	MX
5.35	Uuve	OL	FL	MX
5.50	Cala	FR	FL	MX
5.50	Uuve	FR	FL	MX
5.60	Cala	FR	FL	MX
5.70	Cala	FR	FL	MX
5.80	Cala	VO	FL	MX
5.85	Cala	FR	FL	MX
5.85	Cala	OL	FL	MX
6.55	Uuve	FR	FL	GR
6.90	Cala	FR	FL	GR
6.90	Uuve	FR	FL	MX
7.0	Uuve	FR	FL	MX
7.2	Uuve	FR	FL	MX
7.85	Uuve	FR	FU	MX

(21)

Mileage	Species	Age	Topogr	Veg
8.2	Uuve	VF	MS	MX
9.5	Cala	FR	FL	MX
9.7	Uuve	FR	FL	AC
9.75	Cala	FR	FL	AC
9.75	Uuve	FR	FL	AC
9.80	Uuve	FR	FL	AC
10.00	Uuve	FR	FL	AC
10.00	Cala	FR	FL	AC
10.00	Cala	OL	FL	AC
10.00	Uuve	FR	FL	AC
10.00	Uuve	FR	FL	AC
10.10	Uuve	FR	FL	AC
10.10	Uuve	OL	FL	AC
10.10	Uuve	FR	EL	AC
10.15	Cala	VO	FL	AC
10.15	Cala	OL	FL	AC
10.30	Uuve	FR	FL	MX
10.30	Uuve	FR	FL	MX
10.30	Uuve	OL	FL	MX
10.35	Uuve	OL	EL	MX
10.35	Cala	OL	FL	MX

(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)

Scats.SHT: P. Stapp, 4/98

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 13 Jan 00

OBSERVERS MDL, DS, TJ

COMMENTS

ENDING MILEAGE 21.5

TOTAL FR/VF: CALA 54 VUVE 154

TOTAL SCATS: CALA 96 VUVE 186

Mileage	Species	Age	Topogr	Veg
10.45	VUVE	OL	FL	MX
10.45	VUVE	OL	FL	MX
10.50	VUVE	OL	FL	MX
10.50	VUVE	OL	FL	MX
10.55	VUVE	FR	FL	MX
10.55	CALA	FR	FL	MX
10.65	VUVE	FR	FL	MX
10.65	CALA	OL	FL	MX
10.65	VUVE	FR	FL	MX
10.65	VUVE	VF	FL	MX
10.70	CALA	OL	FL	MX
10.70	VUVE	OL	FL	MX
10.70	VUVE	FR	FL	MX
10.70	CALA	OL	FL	MX
10.80	VUVE	FR	FL	MX
10.85	VUVE	OL	FL	MX
11.30	VUVE	OL	MS	GR
11.30	VUVE	FR	MS	GR
11.80	VUVE	FR	FL	GR
11.80	VUVE	FR	FL	GR
11.80	CALA	OL	FL	GR

(21)

Mileage	Species	Age	Topogr	Veg
11.70	VUVE	OL	FL	GR
12.00	VUVE	FR	MS	MX
12.10	CALA	OL	FL	MX
13.25	VUVE	VO	MS	GR
13.30	VUVE	FR	FU	GR
13.30	CALA	OL	FU	GR
13.60	CALA	VO	FU	GR
13.80	VUVE	VF	FU	GR
13.90	VUVE	FR	FU	GR
13.90	CALA	OL	FU	GR
13.90	VUVE	FR	FU	GR
13.90	VUVE	VF	FU	GR
14.40	CALA	FR	FU	GR
14.40	CALA	OL	FU	GR
14.45	VUVE	FR	MS	GR
14.90	VUVE	FR	FU	GR
15.45	CALA	VF	FU	MX
15.55	CALA	VF	FU	MX
15.60	CALA	OL	FU	MX
15.65	CALA	FR	FU	MX
15.95	CALA	VF	FU	MX

(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)

Scats.SHT: P. Stapp, 4/98

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 13 Jan 00

OBSERVERS MDL, DS, TJ

COMMENTS

ENDING MILEAGE 21.5

TOTAL FR/VF: CALA 54 VUVE 154

TOTAL SCATS: CALA 96 VUVE 186

Mileage	Species	Age	Topogr	Veg
16.50	CalA	OL	FL	GR
16.55	VuVE	FR	FL	GR
16.55	VuVE	OL	FL	GR
16.55	CalA	VO	FL	GR
16.70	CalA	FR	FL	GR
16.70	VuVE	FR	FL	GR
16.80	VuVE	FR	FL	GR
16.90	CalA	FR	MS	GR
16.95	VuVE	FR	MS	GR
17.15	VuVE	FR	MS	mx/YU
17.2	VuVE	FR	MS	mx/YU
17.2	CalA	OL	MS	mx/YU
17.3	VuVE	VF	MS	mx/YU
17.3	VuVE	OL	MS	mx/YU
17.4	CalA	VO	MS	mx/YU
17.4	VuVE	VF	MS	mx/YU
17.4	VuVE	FR	RG	mx/YU
17.45	VuVE	FR	RG	mx/YU
17.5	VuVE	FR	FU	GR
17.5	CalA	OL	FU	GR
17.5	VuVE	FR	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)

Scats.SHT: P. Stapp, 4/98

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

CENSUSDATE 13 Jan 00OBSERVERS MDL DS TJ

COMMENTS _____

ENDING MILEAGE 21.5TOTAL FR/VF: CALA 54 VUVE 154TOTAL SCATS: CALA 96 VUVE 186

Mileage	Species	Age	Topogr	Veg
18.0	Cala	OL	MS	GR
18.0	VUVE	FR	FU	GR
18.05	Cala	FR	FU	GR
18.1	VUVE	FR	FU	GR
18.1	VUVE	FR	MS	GR
18.1	Cala	FR	MS	GR
18.1	VUVE	FR	MS	GR
18.1	Cala	FR	MS	GR
18.1	VUVE	FR	FU	GR
18.1	Cala	FR	FU	GR
18.15	Cala	FR	FU	GR
18.2	VUVE	FR	FU	GR
18.25	VUVE	FR	FU	GR
18.30	VUVE	FR	MS	GR
18.30	Cala	FR	MS	GR
18.30	Cala	OL	MS	GR
18.30	VUVE	FR	MS	GR
18.35	Cala	FR	FU	GR
18.4	VUVE	FR	MS	GR
18.4	Cala	FR	MS	GR
18.45	VUVE	FR	RG	GR

(21)

Mileage	Species	Age	Topogr	Veg
18.5	VUVE	FR	MS	GR
18.8	Cala	VO	FU	GR
18.8	VUVE	FR	FU	GR
18.8	VUVE	OL	FU	GR
18.8	Cala	VO	FU	GR
18.85	VUVE	VO	FU	GR
19.0	VUVE	FR	RG	GR
19.05	VUVE	FR	RG	GR
19.05	VUVE	VO	RG	GR
19.1	VUVE	FR	RG	GR
19.1	VUVE	FR	RG	GR
19.2	VUVE	FR	RG	GR
19.5	VUVE	FR	MS	GR
19.85	VUVE	FR	MS	GR
19.9	VUVE	FR	MS	MX/YU
19.9	VUVE	FR	MS	MX/YU
20.0	Cala	FR	FU	GR
20.0	VUVE	FR	FU	GR
20.0	VUVE	FR	FU	GR
20.1	VUVE	FR	FU	GR
20.1	Cala	OL	FU	GR

(21)

Species codes: CALA coyoteAge: 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)

Scats.SHT: P. Stapp, 4/98

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 13 Jan 00

OBSERVERS MDL DS T

COMMENTS 13:24 end Time.

ENDING MILEAGE 21.5

ENDING MILEAGE 2112
TOTAL FR/VF: CALA 54 VUVE 154

TOTAL SCATS: CALA 96 VUVE 786

Mileage	Species	Age	Topogr	Veg
20.1	VuVe	FR	Fu	GR
20.1	VuVe	FR	Fu	GR
20.15	VuVe	OL	Fu	GR
20.15	VuVe	FR	Fu	GR
20.2	VuVe	FR	Fu	GR
20.3	VuVe	FR	Fu	GR
20.45	VuVe	FR	Fu	GR
20.5	VuVe	FR	Fu	GR
20.5	CalA	FR	Fu	GR
20.5	CalA	OL	Fu	GR
20.5	VuVe	FR	Fu	GR
20.5	CalA	OL	Fu	GR
20.5	VuVe	FR	Fu	GR
20.5	CalA	VO	Fu	GR
20.55	VuVe	VF	Fu	mx/ac
20.7	CalA	OL	Fu	GR
20.7	VuVe	OL	Fu	GR
20.7	VuVe	FR	Fu	GR
20.8	CalA	FR	Fu	GR
20.9	CalA	FR	ms	GR
21.2	CalA-	FR	FL	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)

Scats.SHT: P. Stapp, 4/98

SGS-LTER Long-Term Monitoring Project
Carnivore Scat Count

Entered

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 29 Dec 99

OBSERVERS MDL, Terry James, Dan Smith, David Smith

COMMENTS clear warm slight breeze

ENDING MILEAGE 21.45

TOTAL FR/VF: CALA 1 VUVE 4

TOTAL SCATS: CALA 74 VUVE 103

Mileage	Species	Age	Topogr	Veg
.55	VUVE	OL	MS	GR
.60	VUVE	OL	MS	GR
.90	VUVE	OL	MS	GR
1.05	VUVE	OL	FL	GR
1.10	VUVE	OL	FL	GR
1.40	VUVE	OL	MS	GR
1.60	VUVE	OL	FL	GR
1.65	VUVE	OL	FL	GR
1.65	VUVE	OL	FL	GR
1.85	VUVE	OL	MS	GR
2.00	VUVE	OL	FU	GR
2.00	VUVE	VO	FU	GR
2.25	VUVE	OL	FU	GR
2.25	VUVE	OL	FU	GR
2.30	VUVE	OL	FU	GR
2.55	VUVE	OL	MS	GR
2.90	VUVE	OL	FL	GR
3.00	VUVE	OL	FL	MX ^W /AC
3.30	VUVE	VO	MS	MX ^W /AC
3.55	CALA	OL	MS	MX ^W /AC
3.55	VUVE	VO	MS	MX ^W /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

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
3.65	VUVE	OL	MS	MX ^W /AC
3.70	VUVE	OL	FL	GR
3.75	CALA	VO	FL	GR
3.75	CALA	VO	FL	GR
3.75	VUVE	VO	FL	GR
3.85	VUVE	VO	FL	MX ^W /AC
3.90	VUVE	OL	FL	MX ^W /AC
4.10	VUVE	OL	MS	MX ^W /AC
4.10	VUVE	OL	MS	MX ^W /AC
4.20	VUVE	OL	MS	MX ^W /AC
4.25	VUVE	OL	RG	YU
4.30	VUVE	OL	RG	YU
4.30	VUVE	OL	RG	YU
4.35	VUVE	OL	MS	YU
4.40	VUVE	OL	MS	YU
4.85	VUVE	OL	FL	AC
5.20	CALA	OL	FL	AC
5.20	CALA	OL	FL	AC
5.35	CALA	VO	FL	AC
5.35	CALA	OL	FL	AC
5.60	CALA	VO	FL	AC

(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 29 DEC 99

OBSERVERS MDL, TERRY JAMES, DANNY SMITH, DAVID SMITH

COMMENTS clear warm slight breeze

ENDING MILEAGE 21.45

TOTAL FR/VF: CALA 1 VUVE 4

TOTAL SCATS: CALA 74 VUVE 103

Mileage	Species	Age	Topogr	Veg
6.00	CALA	VO	FL	AC
6.60	CALA	OL	FL	MX ^w /AC
6.80	CALA	OL	FL	MX ^w /AC
6.80	CALA	OL	FL	MX ^w /AC
6.80	VUVE	OL	FL	MX ^w /AC
7.00	CALA	OL	FL	MX ^w /AC
7.10	CALA	VO	FL	MX/AC
7.10	VUVE	OL	FL	MX ^w /AC
9.4	CALA	OL	FL	AC
9.85	VUVE	VO	FL	AC
9.9	VuVe	OL	FL	MX ^w /AC
10	CaLa	VO	FL	MX ^w /AC
10	VuVe	OL	FL	MX ^w /AC
10.05	VuVe	OL	FL	MX ^w /AC
10.05	CaLa	OL	FL	MX ^w /AC
10.1	CaLa	OL	FL	MX ^w /AC
10.1	CaLa	VO	FL	MX ^w /AC
10.1	VuVe	OL	FL	MX ^w /AC
10.1	VuVe	VO	FL	MX ^w /AC
10.2	CaLa	VO	FL	MX ^w /AC
10.2	VuVe	OL	FL	MX ^w /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
10.3	VuVe	OL	FL	MX ^w /AC
10.4	CaLa	OL	FL	MX ^w /AC
10.45	VuVe	OL	FL	MX ^w /AC
10.45	CaLa	VO	FL	MX ^w /AC
10.45	VuVe	OL	FL	MX ^w /AC
10.5	VuVe	VO	FL	MX ^w /AC
10.5	CaLa	VO	FL	MX ^w /AC
10.6	VuVe	OL	FL	MX ^w /AC
10.6	VuVe	OL	FL	MX ^w /AC
10.7	VuVe	OL	FL	GR
10.75	VuVe	FR	FL	GR
11.1	CaLa	VO	FL	GR
11.1	VuVe	OL	FL	GR
11.1	VuVe	OL	FL	GR
11.5	VuVe	FR	FL	GR
11.6	VuVe	OL	FL	MX ^w /AC
11.6	CaLa	OL	FL	MX ^w /AC
11.7	VuVe	OL	MS	MX ^w /AC
11.75	VuVe	OL	MS	MX ^w /AC
11.75	VuVe	FR	MS	MX ^w /AC
11.75	VuVe	OL	MS	MX ^w /AC

(21)

Scats.SHT: P. Stapp, 4/98

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 29 Dec 99

OBSERVERS MDL, Terry James, Danny Smith, David Smith

COMMENTS clear warm slight wind

ENDING MILEAGE 21.45

TOTAL FR/VF: CALA 1 VUVE 4

TOTAL SCATS: CALA 24 VUVE 103

Mileage	Species	Age	Topogr	Veg
11.8	cala	OL	SW	MX/AC
11.8	VuVe	OL	RG	GR
11.8	cala	VO	RG	GR
11.9	VuVe	OL	FL	GR
11.9	cala	OL	FL	GR
12.2	VuVe	OL	FL	GR
12.2	cala	VO	FL	GR
12.2	VuVe	VO	FL	GR
12.3	VuVe	VO	FL	GR
12.3	cala	VO	FL	GR
12.3	cala	OL	FL	GR
12.3	VuVe	VO	MS	GR
12.6	VuVe	OL	MS	GR
13.2	cala	OL	FU	GR
13.4	cala	VO	FU	GR
13.8	cala	VO	FU	GR
13.8	cala	OL	FU	GR
13.9	cala	VO	FU	GR
15.4	cala	VO	FL RD 114	GR
15.6	cala	VO	FL RD 114	GR

(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)

Scats.SHT: P. Stapp, 4/98

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 29 DEC 99

OBSERVERS MDL, Terry James, Danny Smith, Dave Smith

COMMENTS Clear, warm, slightly breezy

ENDING MILEAGE 21.45

TOTAL FR/VF: CALA 1 VUVE 4

TOTAL SCATS: CALA 24 VUVE 103

Mileage	Species	Age	Topogr	Veg
17.70	CALA	OL	FU	GR
17.70	VUVE	OL	FU	GR
17.80	VUVE	VO	MS	GR
17.85	VUVE	OL	MS	GR
17.90	CALA	OL	MS	GR
17.90	VUVE	OL	MS	GR
18.00	CALA	OL	FU	GR
18.00	CALA	VO	FU	GR
18.00	VUVE	OL	FU	GR
18.05	VUVE	OL	FU	GR
18.05	VUVE	OL	FU	GR
18.05	CALA	VO	FU	GR
18.10	CALA	OL	FU	GR
18.15	VUVE	OL	FU	GR
18.20	VUVE	OL	FU	GR
18.20	CALA	OL	FU	GR
18.25	VUVE	OL	FU	GR
18.35	CALA	OL	FU	GR
18.35	VUVE	OL	FU	GR
18.35	VUVE	FR	FU	GR
18.40	CALA	OL	FU	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)

Mileage	Species	Age	Topogr	Veg
18.40	CALA	VO	MS	GR
18.40	VUVE	OL	MS	GR
18.60	VUVE	OL	FL	GR
18.60	VUVE	OL	FL	GR
18.65	CALA	VO	FL	GR
18.65	CALA	VO	FL	GR
18.70	VUVE	OL	MS	GR
18.75	CALA	VO	FU	GR
18.80	CALA	VO	FU	GR
18.80	VUVE	OL	FU	GR
19.30	VUVE	OL	RG	GR
19.50	CALA	OL	FU	GR
19.50	VUVE	VO	FU	GR
19.80	CALA	OL	FL	GR
19.85	VUVE	OL	MS	GR
19.90	VUVE	OL	MS	GR
19.90	CALA	OL	MS	GR
19.90	CALA	VO	MS	GR
20.10	CALA	OL	FU	GR
20.15	CALA	VO	FU	GR
20.15	VUVE	OL	FU	GR

(21)

Scats.SHT: P. Stapp, 4/98

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 29 DEC 99

OBSERVERS MDC, Terry James, Darryl Smith, David Smith

COMMENTS Clear, warm, slight breeze

ENDING MILEAGE 21.45

TOTAL FR/VF: CALA 1 VUVE 4

TOTAL SCATS: CALA 24 VUVE 103

Mileage	Species	Age	Topogr	Veg
20.20	CALA	OL	FU	GR
20.30	CALA	OL	FU	GR
20.30	CALA	VO	FU	GR
20.30	VUVE	OL	FU	GR
20.40	CALA	VO	FU	GR
20.45	VUVE	VO	FU	GR
20.50	VUVE	OL	FU	GR
20.50	VUVE	OL	FU	GR
20.55	CALA	OL	FU	GR
20.55	VUVE	OL	FU	GR
20.55	CALA	VO	FU	MX/AC
20.55	VUVE	OL	FU	MX/AC
20.55	VUVE	OL	FU	MX/AC
20.60	VUVE	OL	FU	MX/AC
20.60	CALA	VO	FU	MX/AC

(21)

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

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

(21)

VF very fresh
FR fresh