

# Project Summary Sheet – Year 2006

Project Name Carnivore Scat Count

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  
Canids | SCAT97-98-99-00-01-02-03-04-05-06.x15

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

pre-census  
24 Jan. 2006  
20 April 2006  
14 July 2006  
27 Sept 2006

census  
07 Feb 2006  
09 May 2006  
20 July 2006  
11 October 2006

Questions and Concerns

winter 06-07 counts may  
be post-poned or canceled  
b/c of big snow in Dec.

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 & Imhoff

# 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 24 Jan 06

OBSERVERS MOh, Heidi Langhoff, Safi Darden

COMMENTS \_\_\_\_\_

ENDING MILEAGE 20.7

TOTAL FR/VF: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

TOTAL SCATS: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

Mileage	Species	Age	Topogr	Veg
0.50	Calca	FR	MS	MX/YU
0.70	Calca	OL	SW	GR
1.0	Uuwe	OL	SW	GR
1.05	Uuwe	UF	SW	GR
1.1	Uuwe	UF	MS	GR
1.1	Uuwe	(2)UD	MS	GR
1.1	Uuwe	(1)OL	MS	GR
1.1	Uuwe	JO	MS	GR
1.25	Uuwe	(7)FR	MS	GR
1.25	Uuwe	(3)old	MS	GR
1.25	Uuwe	(5)JO	MS	GR
1.3	Uuwe	2 FR	MS	GR
1.3	Uuwe	OL	MS	GR
1.35	Uuwe	(2)UF	MS	GR
1.35	Uuwe	5 FR	MS	GR
1.35	Uuwe	1 OL	MS	GR
1.35	Calca	1 OL	MS	GR
1.35	Uuwe	OL	MS	GR
1.85	Uuwe	FR	MS	GR
1.85	Uuwe	FR	MS	GR
1.85	Uuwe	UF	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  
HU human structure (<30 m): HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded

### Vegetation codes:

AC saltbush GR grassland  
YU yucca  
MX mixed grassland (MXAC or MXYU)

Mileage	Species	Age	Topogr	Veg
1.90	Uuwe	UF	MS	GR
1.90	Uuwe	2FR	MS	GR
1.90	Uuwe	1UF	RG	GR
1.90	Uuwe	2FR	RG	GR
1.90	Uuwe	3OL	RG	GR
2.0	Uuwe	FR	FU	GR
2.1	Uuwe	(2)FR	FU	GR
2.4	Uuwe	FR(2)	FU	GR
2.5	Uuwe	OL	MS	GR
2.5	Uuwe	UF	MS	GR
2.55	Uuwe	UF	FL	GR
2.55	Calca	OL	FL	GR
2.55	Uuwe	UF(4)	FL	GR
3.1	Calca	OL	FL	MXAC
3.2	Uuwe	UF	FL	MXAC
3.65	Uuwe	3FR	FL	MXAC
3.75	Calca	JO	FL	MXAC
3.75	Uuwe	OL	FL	MXAC
4.2	Uuwe	UF	FU	MX/YU
4.25	Calca	FR	FU	MX/YU
4.7	Calca	FR	CR	MX/AC

(21)

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COUNT (circle): PRE-CENSUS CENSUS

DATE 24 Jan 06

OBSERVERS MDL, SD, HL

COMMENTS \_\_\_\_\_

ENDING MILEAGE \_\_\_\_\_

TOTAL FR/VF: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

TOTAL SCATS: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

Mileage	Species	Age	Topogr	Veg
3.35	Cala	JO	FL	MX/AC
5.41	HUWI	FR	FL	MX/AC
5.65	Vuue	JO	FL	MX/AC
5.7	Cala	JO	FL	MX/AC
9.25	Cala	JO	FL	MX/AC
10.0	Vuue	OL	FL	MX/AC
10.15	Vuue	OL	FL	MX/AC
10.15	Vuue	FR4	FL	MX/AC
10.15	Vuue	UF1	FL	MX/AC
10.15	Vuue	OL3	FL	MX/AC
10.3	Vuue	FR	FL	MX/AC
10.35	Cala	JO	FL	MX/AC
10.35	Vuue	JO	FL	MX/AC
10.5	Vuue	OL	FL	MX/AC
10.55	Vuue	FR	FL	MX/AC
10.65	Cala	JO	FL	MX/AC
10.70	Cala	FR	FL	MX/AC
11.3	Vuue	UF	FL	MX/AC
11.45	Cala	OL	MS	MX/AC
11.7	Vuue	OL	FL	MX/AC
12.0	Cala	OL	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

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

**Vegetation codes:**

AC saltbush

GR grassland

YU yucca

MX mixed grassland (MXAC or MXYU)

Mileage	Species	Age	Topogr	Veg
12.0	Vuue	OL	MS	GR
12.1	Vuue	OL	SW	GR
12.1	Cala	JO	SW	GR
12.15	Vuue	UF	SW	GR
12.15	Vuue	OL	SW	GR
12.25	Cala	OL	FU	GR
12.25	Vuue	OL	FU	GR
12.85	Cala	OL	FU	GR
12.85	Vuue	(2)JO	FU	GR
12.85	Vuue	FR	FU	GR
13.15	Vuue	JO	FU	GR
13.21	Cala	JO	FU	GR
13.45	Vuue	OL	FU	GR
13.5	Vuue	3FR	FU	GR
13.6	Vuue	UF	FU	GR
13.9	Vuue	OL	FU	GR
14.15	Cala	JO(2)	FU	GR
14.15	Vuue	OL	FU	GR
14.2	Vuue	OL	FU	GR
14.2	Vuue	FR	FU	GR
14.2	Cala	OL	FU	GR

(21)

# SGS-LTER Long-Term Monitoring Project

## Carnivore Scat Count

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COUNT (circle): PRE-CENSUS CENSUS

DATE 24 Jan 06

OBSERVERS mol SD HL

COMMENTS \_\_\_\_\_

ENDING MILEAGE \_\_\_\_\_

TOTAL FR/VF: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

TOTAL SCATS: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

Mileage	Species	Age	Topogr	Veg
14.3	Vuue	VF	MS	GR
14.4	Vuue	OL(2)	FU	GR
15.35	Vuue	OL	HUNR	MX/AC
15.95	Vuue	FR	HUGG	GR
15.95	Vuue	VF3	HUGG	GR
15.95	Calu	OL(3)	HUGG	GR
16.0	Calu	VF	HUWI	GR
16.0	Vuue	2VF	HUWI	GR
16.0	Vuue	FR	HUWI	GR
16.0	Vuue	5old	HUWI	GR
16.0	Calu	5old	HUWI	GR
16.0	Vuue	3FR	HUWI	GR
16.0	Vuue	2OL	HUWI	GR
16.0	Vuue	3FR	HUWI	GR
16.0	Vuue	2OL	HUWI	GR
16.05	Calu	2FR	HUWI	GR
16.05	Vuue	5FR	HUWI	GR
16.05	Vuue	3OL	HUWI	GR
16.05	Calu	2OL	HUWI	GR
16.05	Vuue	1ol	HUWI	GR
16.05	Vuue	7FR	HUWI	GR

(21)

Mileage	Species	Age	Topogr	Veg
16.01	Calu	VO	FU	GR
16.2	Vuue	OL	FU	GR
16.2	Calu	VO2	FU	GR
16.2	Vuue	5FR	FU	GR
16.25	Vuue	6FR	FU	GR
16.25	Calu	OL	FU	GR
16.35	Calu	FR	MS	GR
16.35	Calu	OL	MS	GR
16.35	Vuue	3OL	MS	GR
16.35	Calu	FR	MS	GR
16.35	Vuue	5FR	MS	GR
16.4	Vuue	2FR	RG	GR
16.45	Calu	FR	HUBU	GR
16.45	Calu	2OL	HUBU	GR
16.45	Vuue	FR	HUBU	GR
16.45	Vuue	OL	HUBU	GR
16.45	Vuue	3FR	HUBU	GR
16.45	Calu	1FR	HUBU	GR
16.55	Vuue	VO	FU	GR
16.55	Vuue	4FR	FU	GR
16.55	Calu	VO	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  
 HU human structure (<30 m): HUWI windmill, HUBU bldg, HUGG cattle grd, HUNR not recorded

### Vegetation codes:

AC saltbush      GR grassland  
 YU yucca

MX mixed grassland (MXAC or MXYU)

# SGS-LTER Long-Term Monitoring Project

## Carnivore Scat Count

(4)

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 24 Jan 06OBSERVERS MOL, SD, HL

COMMENTS \_\_\_\_\_

ENDING MILEAGE 20.7

TOTAL FR/VF: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

TOTAL SCATS: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

Mileage	Species	Age	Topogr	Veg
16.7	Cala	4FR	MS	GR
16.7	Cala	2OL	MS	GR
16.7	Vuve	1OL	MS	GR
16.7	Vuve	1FR	MS	GR
16.8	Cala	FR	MS	GR/MX YU
16.9	Vuve	FR	FU	GR
17.0	Cala	OL	FU	GR
17.1	Cala	FR	FU	GR
17.55	Vuve	FR	FU	GR
18.5	Cala	OL	RG	GR
18.8	Cala	OL	HUWI	GR
18.8	Cala	FR	HUWI	GR
18.9	Vuve	FR	MS	GR
18.9	Cala	FR	MS	GR
19.0	Vuve	FR	MS	GR
19.0	Cala	FR	MS	GR
19.0	Cala	JO	MS	GR
19.05	Cala	OL	SW	GR
19.15	Vuve	OL	SW	GR
19.15	Vuve	2FR	SW	GR
19.15	Cala	3OL	SW	GR

(21)

Mileage	Species	Age	Topogr	Veg
19.15	Cala	FR	SW	GR
19.25	Cala	JO	RG	GR
19.3	Cala	2OL	MS	GR
19.3	Vuve	2OL	MS	GR
19.3	Vuve	2FR	MS	GR
19.3	Cala	FR	FU	GR
19.35	Cala	JO	FU	GR
19.35	Vuve	2JO	FU	GR
19.8	Cala	3JO	FU	GR
19.8	Cala	FR	FU	GR
19.84	Cala	JO	FU/CA	GR
19.84	Vuve	OL	FU/CA	GR
19.84	Vuve	FR	HUCC	GR
20.0	Vuve	OL	HUCC	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  
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## SGS-LTER Long-Term Monitoring Project

## Carnivore Scat Count

①

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Michelle  
Should  
dates/don't tell

COUNT (circle): PRE-CENSUS

CENSUS

DATE 7 Feb 06OBSERVERS MDL, Safi Darden, Louisa HalleCOMMENTS Leaving all scat on Transect for Uve StudyENDING MILEAGE 20.7

TOTAL FR/VF: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

TOTAL SCATS: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

Mileage	Species	Age	Topogr	Veg
0.30	Uuwe	UF	FU	GR
0.40	Calca	FR	FU	GR
0.50	Uuwe	UF	MS	MX/YU
0.60	Calca	FR	SW	GR
0.60	Uuwe	UF(2)	SW	GR
0.70	Uuwe	FR(2)	SW	GR
0.75	Calca	FR	MS	GR
0.80	Uuwe	OL	MS	GR
0.85	Uuwe	OL	MS	GR
0.85	Uuwe(2)	FR/UF	MS	GR
0.90	Uuwe	UF	RG	GR
0.90	Uuwe	UF	RG	GR
0.90	Uuwe	FR(2)	RG	GR
0.95	Calca	OL	MS	GR
1.0	Uuwe	UF	FL	GR cut/legund
1.0	Calca	OL	FL	GR cut/legund
1.0	Uuwe	FR	FL	GR cut/legund
1.20	Uuwe	FR	MS	GR
1.20	Uuwe	UF	MS	GR
1.20	Uuwe	OL	MS	GR
1.25	Uuwe	5FR	MS	GR

(21)

Mileage	Species	Age	Topogr	Veg
1.25	Uuwe	2UF	MS	GR
1.30	Uuwe	2FR	MS	GR
1.30	Uuwe	1UF	MS	GR
1.40	Uuwe	OL	MS	GR
1.45	Uuwe	OL/HU	MS	MX/AC
1.45	Uuwe	UF	MS	MX/AC
1.5	Calca	FR	SW	MX/AC
1.5	Uuwe	OL	SW	MX/AC
1.55	Uuwe	FR2	SW	HUCG/MX/AC
1.55	Uuwe	UF1	SW	HUCG/MX/AC
1.70	Uuwe	FR	FL	MX/AC
1.70	Uuwe	3UF	FL	MX/AC
1.70	Uuwe	2OL	FL	MX/AC
1.8	Uuwe	FR	MS	MX/AC
1.9	Uuwe	FR	MS	MX/AC
1.90	Uuwe	UF	MS	MX/AC
2.2	Uuwe	FR	MS	GR
2.4	Uuwe	UF	MS	GR
2.5	Uuwe	2FR	MS	GR
2.5	Uuwe	UF	MS	GR
2.6	Uuwe	UF	FL	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

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

## Vegetation codes:

AC saltbush

GR grassland

YU yucca

MX mixed grassland (MXAC or MXYU)

# SGS-LTER Long-Term Monitoring Project

## Carnivore Scat Count

2

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COUNT (circle): PRE-CENSUS

CENSUS

DATE 7 Feb 06

OBSERVERS MAL SD LH

COMMENTS 11 miles windmill

ENDING MILEAGE

TOTAL FR/VF: CALA VUVE

TOTAL SCATS: CALA VUVE

Mileage	Species	Age	Topogr	Veg
2.9	VUVE	VO	FL	MXAC
2.9	VUVE	2FR	FL	MXAC
3.2	CALA	OL	MS	MXAC
3.2	VUVE	FR2	MS	MXAC
3.45	VUVE	VF	FL	MXAC
3.55	VUVE	FR	FL	MXAC
3.6	CALA	VO2	FL	MXAC
3.6	VUVE	VF4	FL	MXAC
3.6	VUVE	1FR	FL	MXAC
3.9	VUVE	VF	MS	MXAC
3.95	VUVE	4VF	MS	MXAC
3.95	VUVE	2FR	MS	MXAC
4.0	VUVE	OL	MS	MXAC
4.15	VUVE	2VF	RG	MXAC
4.2	VUVE	FR	RG	MXAC
4.2	CALA	OL2	RG	MXAC
4.2	VUVE	OL	RG	MXAC
4.2	VUVE	2VF	RG	MXAC
4.2	VUVE	6FR	RG	MXAC
4.35	VUVE	FR	MS	MXAC
4.45	VUVE	2FR	MS	MXAC

(21)

Mileage	Species	Age	Topogr	Veg
4.6	VUVE	FR	CR	MXAC
4.7	VUVE	FR	CR	MXAC
5.3	CALA	VO	FL	MXAC
5.5	CALA	(2)FR	FL	MXAC
5.5	VUVE	FR	FL	MXAC
9.2	CALA	OL	FL	MXAC
9.9	VUVE	FR	FL	MXAC
9.95	VUVE	OL	FL	MXAC
10.15	CALA	VO	FL	MXAC
10.25	VUVE	OL	FL	MXAC
10.7	CALA	VO	FL	MXAC
10.7	VUVE	FR	FL	MXAC
10.9	VUVE	FR	FL	MXAC
11.3	VUVE	2FR	MS	MXAC
11.3	VUVE	1OL	MS	MXAC
11.45	VUVE	FR	MS	MXAC
11.65	VUVE	FR	SW	MXAC
12.1	VUVE	VF	RG	GR
12.2	CALA	FR	FU	GR
12.5	VUVE	5FR	FU	GR
12.5	VUVE	OL	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

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HU human structure (&lt;30 m):

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COUNT (circle): PRE-CENSUS

CENSUS

DATE 7 Feb 07

OBSERVERS MDL SD LH

COMMENTS

ENDING MILEAGE

TOTAL FR/VF: CALA

VUVE

TOTAL SCATS: CALA

VUVE

Mileage	Species	Age	Topogr	Veg
12.8	Cala	FR	FU	GR
12.8	Cala	JO	FU	GR
13.1	Cala	FR	FU	GR
13.4	Cala	JO	FU	GR
13.4	Vuue	201	FU	GR
13.4	Vuue	1FR	FU	GR
13.5	Vuue	3FR	FU	GR
13.55	Vuue	FR	FU	GR
13.55	Vuue	VF	FU	GR
13.9	Vuue	VF	FU	GR HUWI
14.0	Vuue	FR	FU	GR
14.3	Vuue	OL	FU	GR
14.4	Vuue	1FR	FU	GR w/CR 1/4 Gate
14.4	Vuue	1OL	FU	114
14.4	Vuue	1VF	FU	114
15.9	Vuue	3VF	FU	HUCG/HUWI CR37
16.0	Vuue	1FR	FU	HUWI
16.0	Vuue	4OL	FU	HUWI
16.0	Vuue	VF2	FU	HUWI
16.0	Cala	FR	FU	HUWI
16.15	Vuue	5FR	FU	GR

(21)

Mileage	Species	Age	Topogr	Veg
16.15	Vuue	20L	FU	GR
16.3	Cala	OL	MS	GR
16.3	Vuue	VF	MS	GR
16.3	Cala	FR	MS	GR
16.4	VUUC	2VF	RG	GR 1/4 on
16.5	Vuue	OL	MS	GR
16.6	Vuue	VF3	MS	GR
16.6	Vuue	OL	MS	GR
16.7	Vuue	FR	MS	GR
16.7	Cala	FR	MS	GR
17.0	Cala	JO	FU	GR
17.2	Cala	FR	MS	GR
17.2	Vuue	FR(2)	MS	GR
17.45	Vuue	FR2	FU	GR
17.85	Cala	VF	RG	GR
18.2	Cala	FR	RG	GR HUCG
18.2	Vuue	FR	RG	GR HUWI
19.1	Cala	201	SW	GR
19.1	Vuue	1FR	SW	GR
19.1	Cala	2FR	SW	GR
19.1	Cala	VF	SW	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  
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## Vegetation codes:

AC saltbush GR grassland  
YU yucca  
MX mixed grassland (MXAC or MXYU)

4

COUNT (circle): PRE-CENSUS

# CENSUS

DATE 7 Feb 06

DATE 1/29/06  
OBSERVERS MOB, Safi Qarden, Louisa Helle

## COMMENTS

ENDING MILEAGE 20.7 miles

**TOTAL FR/VF: CALA** **VUVE**

**TOTAL SCATS: CALA** \_\_\_\_\_ **VUVE** \_\_\_\_\_

[illegible]

Exlosure

[illegible]

(21)

**Species codes:** CALA coyote

**Age:** VO very old

**VUVE** swift fox

OL old

**VF** very fresh

**FR fresh**

**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

**Vegetation codes:**

**AC saltbush**

GR grassland

**YU** **yucca**

**MX mixed grassland (MXAC or MXYU)**

mill, HUBU bldg, HUCG cattle grd, HUNR not recorded

# 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.

OVERALL TOTAL FOR PRE-CENSUS: FR/VF CALA 9 VUVE 9

COUNT (circle):

**PRE-CENSUS**

CENSUS

TOTAL SCATS CALA 84 VUVE 39DATE 20 April 06OBSERVERS MAL Alex S., Judy L.

COMMENTS

ENDING MILEAGE 20.4TOTAL FR/VF: CALA 5 VUVE 7TOTAL SCATS: CALA 30 VUVE 15

Mileage	Species	Age	Topogr	Veg
1.0	CALA	VO	FL	GR
1.5	VUVE	FR	SW	MXAC
1.6	CALA	VO	FL	MXAC
1.9	CALA	OL	FU	MXAC
2.3	CALA	VO	RG	GR
2.4	CALA	VO	MS	GR
2.4	VUVE	FR	MS	GR
2.4	VUVE	FR	MS	GR
2.4	VUVE	VO	MS	GR
2.4	CALA	VO	MS	GR
2.5	VUVE	VO	MS	GR
2.5	CALA	VO	MS	GR
2.5	CALA	VO	MS	GR
2.5	CALA	VO	MS	GR
2.5	CALA	VO	MS	GR
2.5	VUVE(2)	FR	MS	GR
2.6	CALA	VO	FL	GR
2.6	VUVE	FR	FL	GR
2.7	CALA	FR	FL	GR
2.7	CALA	OL	FL	GR
2.8	CALA(2)	VO	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

HU human structure (&lt;30 m):

RG ridgetop

SW swale

CR creek drainage

HUWI windmill, HUBU bldg, HUCG cattle grd, HUNR not recorded

**Vegetation codes:**

AC saltbush

YU yucca

MX mixed grassland (MXAC or MXYU)

GR grassland

Mileage	Species	Age	Topogr	Veg
3.0	CALA	VO(2)	FL	MXAC
3.0	CALA	OL	FL	MXAC
3.1	CALA	OL	FL	MXAC
3.4	CALA	VF	FL	MXAC
3.5	VUVE	FR	FL	MXAC
3.7	CALA	VF	FL	MXAC
3.8	CALA	VF	FL	MXAC
3.8	CALA	VO	FL	MXAC
3.9	CALA	FR	MI	MXAC
3.9	CALA	VO	M	MXAC
5.5	CALA	OL	FL	MXAC
5.5	CALA	VO	FL	MXAC
10.0	VUVE	VO	FL	MXAC
10.2	VUVE	VO	FL	MXAC
10.2	CALA	VO	FL	MXAC
10.4	VUVE	VO	FL	MXAC
10.6	VUVE	OL	FL	MXAC
11.1	VUVE	VO	MS	MXAC
11.1	CALA	VO	MS	MXAC
11.2	CALA	VF	MS	MXYU
11.2	VUVE	VO	MS	MXYU

(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.

OVERALL TOTAL FOR PRE-CENSUS FR/VF CALA 9 VUVE 9

COUNT (circle): PRE-CENSUS CENSUS

TOTAL SCATS CALA 84 VUVE 30

DATE 4/20/06

OBSERVERS MDL, Alex S., JL

COMMENTS \_\_\_\_\_

ENDING MILEAGE 20.4

TOTAL FR/VF: CALA 1 VUVE 2

TOTAL SCATS: CALA 33 VUVE 20

Mileage	Species	Age	Topogr	Veg
11.4	VUVE	VO	FL	MXAC
11.5	CALA	VO	FL	MXAC
11.5	VUVE	VO	FL	MXAC
11.6	VUVE	VO	FL	MXAC
11.8	CALA	VO	MS	GR
11.8	VUVE	FR	MS	GR
11.9	VUVE	VO	RG	GR
11.9	CALA(2)	VO	MS	GR
11.9	VUVE	VO	MS	GR
12.3	VUVE	VO	FU	GR
12.5	VUVE	VO	FU	GR
12.5	CALA	VO	FU	GR
12.6	CALA	VO	FU	GR
12.6	VUVE	FR	FU	GR HUCG
12.7	CALA	VO	FU	GR
12.9	CALA	VO	FU	GR
12.9	CALA	VO	FU	GR
13.1	CALA	VO	FU	GR
13.7	CALA	VO	FU	GR HUCG
13.7	CALA(2)	OL	FU	GR
13.8	CALA	VO	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

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

RG ridgetop

SW swale

CR creek drainage

Vegetation codes:

AC saltbush

YU yucca

MX mixed grassland (MXAC or MXYU)

GR grassland

Mileage	Species	Age	Topogr	Veg
14.1	CALA	OL	FU	MXGR
15.7	VEVE	OL	FU	MXGR
15.7	CALA(3)	OL	FU	MXGR win
15.8	VEVE	OL	FU	MXGR
15.9	CALA	VO	FU	GR
15.9	VEVE	VO	FU	GR
15.9	CALA	VO	FU	GR
16.0	CALA(5)	VO	FU	GR
16.0	VEVE(2)	VO	FU	GR
16.0	VEVE(5)	VO	MS	GR
16.1	VEVE	VO	MS	GR
16.1	CALA	VO	MS	GR
16.1	CALA	FR	MS	GR
16.2	CALA	OL	RG	GR
16.2	VEVE(2)	VO	RG	GR
16.2	CALA	VO	RG	GR
16.2	CALA	OL	RG	GR
16.2	CALA	OL	RG	GR HUCG
16.3	CALA	VO	MS	GR
16.4	CALA	VO	MS	GR
16.5	CALA	VO	MS	GR

(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** 4/20/06

## OBSERVERS

## COMMENTS

**ENDING MILEAGE** 20.4

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

**TOTAL SCATS: CALA** 21      **VUVE** 4

Mileage	Species	Age	Topogr	Veg
16.5	VUVE	VO(3)	MS	GR
16.6	CALA	VO(3)	MS	GR
16.6	VUVE	VO	MS	GR
16.6	CALA	VO	MS	GR
17.3	CALA	VO	FU	GR
17.6	CALA	VO	RG	GR
17.9	CALA	VO	RG	GR
18.3	VUVE	VO	RG	GR
18.8	VUVE	VO	SW	GR
18.8	CALA	VO	SW	GR
18.9	CALA(2)	VO	SW	GR
18.9	CALA	VO	MS	GR
18.9	CALA	FR	MS	GR
19.0	CALA	VF	FU	GR
19.2	CALA	VF	FU	GR
19.2	CALA	OL	FU	GR
19.3	CALA	VO	FU	GR
19.3	CALA	VO	FU	GR
19.5	CALA	VO(2)	FU	GR
19.5	CALA	VO	FU HXG	GR

(21)

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

VF very fresh  
FR fresh

**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**

**Vegetation codes:**

**AC saltbush**

**YU** **yucca**

**MX mixed grassland (MXAC or MXYU)**

GR grassland

OF MAY 10  
1917

## 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

0832) St. 7.

DATE 09 May 06

13:14

**OBSERVERS** Mark Lindquist, Alex Saez, Sean Hauser

**COMMENTS** Weather delay 5 days late

**ENDING MILEAGE** 22.5

**TOTAL FR/VF: CALA** 2513 **VUVE**

**TOTAL SCATS: CALA**            **VUVE**           

Mileage	Species	Age	Topogr	Veg
0.7	Cala 2	JO	SW	GR
0.7	Juvc	JO	SW	GR
1.2	Juvc	OL	MS	GR
1.2	Cala	OL	MS	GR
1.4	Cala	JO	MS	MX AC
1.5	Cala	FR	SW	MX AC
1.5	Juvc	OL	SW	MX AC
2.45	Cala	FR	MS	GR
2.60	Cala	OL	FU	GR
2.60	Juvc	OL	FU	GR
4.60	Cala	UF	CR	MX AC
5.25	Cala	OL	FL	MX AC
5.70	Cala	FR	FL	MX AC
10.4	Juvc	FR	FL	MX AC
10.7	Cala	JO	FL	MX AC
11.5	Cala	JO	FL	MX AC
11.7	Cala	OL	FL	MX AC
11.7	Cala	FR	FL	MX AC
11.85	Juvc 2	OL	MS	GR
12.40	Juvc	JO	FU	GR
12.40	Cala	JO	FU	GN

(21)

**Species codes:** CALA coyote

**Age:** VO very old

**VUVE** swift fox

**.OL** old

**VF: very fresh**

**FR fresh**

**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**

**Vegetation codes:**

**AC saltbush**

**YU** *yucca*

MX mixed grassland (MXAC or MXYU)

**GR** grassland

[illegible]

(21)

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

DATE July 14, 2006

**OBSERVERS** MDL, C. Campbell, L. Hale

COMMENTS 114 & 32 WCR Fresh grading  
ENDING MILEAGE 26.5

## ENDING MILEAGE

**TOTAL FR/VF: CALA** \_\_\_\_\_ **VUYE** \_\_\_\_\_

**TOTAL SCATS: CALA** \_\_\_\_\_ **VUVE** \_\_\_\_\_

[illegible]

(21)

**Species codes:** CALA coyote

Age: VO very old

VUVE swift fox

(21)

**VF very fresh**

**FR fresh**

**Topography codes:**

FU flat upland

**RG** ridgetop

FL flat lowland

SW swale

MS midslope

**CR creek drainage**

**HU** human structure

**Vegetation codes:**

**AC saltbush**

YU yucca

MX mixed grassland (MXAC or MXYU)

**GR** grassland

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

# SGS-LTER Long-Term Monitoring Project Carnivore Scat Count

DONE

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 20 July 06OBSERVERS M. G. H., Emily Sanford, Annikki Chamberlain

COMMENTS

ENDING MILEAGE 20.1

TOTAL FR/VF: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

TOTAL SCATS: CALA \_\_\_\_\_ VUVE \_\_\_\_\_

Windmill

Mileage	Species	Age	Topogr	Veg
2.05	Vuue	FR	MS	GR
2.05	Vuue	OL	MS	GR
2.05	Cal	VO	MS	GR
2.25	Cal	VO	MS	GR
9.9	Cal	FR	FL	GR
10.4	-	-	-	-
12.3	Vuue	VO	FL	GR
12.5	Cal (2)	VO	FL	GR
12.6	Cal	VO	FU	GR
12.6	Vuue	VO	FU	GR
12.65	Cal	FR	FU	GR
12.9	Vuue	OL	FU	GR
13.1	Vuue	FR	FU	GR
13.65	Vuue	FR	FU	GR
13.7	Cal	VO	FU	GR
15.45	Vuue	OL	FU	GR
15.9	Cal	VO	HUBU	GR
16.4	Cal	FR	FU	GR
18.9				

2025 ind. m. 11

Veigh Station

(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  
MX mixed grassland (MXAC or MXYU)

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

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.

**PRE-CENSUS**

## CENSUS

DATE 27 Sept 66

**OBSERVERS** MDL, SH, AS

## COMMENTS

## ENDING MILEAGE

**TOTAL FR/VF: CALA**

**VUVE**

**TOTAL SCATS: CALA**

VIVE

Mileage	Species	Age	Topogr	Veg
0.90	Cala	VO	MS	GR
1.0	Cala	VO	SW	GR
1.20	Cala	FR	MS	GR
1.25	Cala	FR	MS	GR
1.5	Cala	OL	SW	MXAC
1.5	Cala	OL	SW	MXAC
1.65	Vune	OL	FL	MXAC
1.80	Vune	OL	MS	MXAC
1.90	Vune	VO	RG	GR
1.95	Cala	OL	RG	GR
2.0	Vune	OL	FU	GR
3.45	Cala	VO	MS	MXAC
3.85	Cala	VO	MS	MXAC
3.85	Vune	VO	MS	MXAC
4.7	Cala	FR	FU	MXAC
7.3	Cala	FR	FU	MXAC
10.6	Cala	FR	FL	MXAC
12.4	Vune	VO	FU	GR
12.7	Cala	VO	FU	GR
12.75	Cala	VO	FU	GR
13.35	Cala	VO	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

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

**RG** ridgetop

SW swale

**CR creek drainage**

**Vegetation codes:**

AC saltbush

**YU** *yucca*

MX mixed grassland (MXAC or MXYU)

GR grassland

[illegible]

(21)

3  
1  
2  
3

Co. 11  
6.4

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

DATE 10/14/06

**OBSERVERS** mol, SH, AS

## COMMENTS

**ENDING MILEAGE** 20,55

**TOTAL FR/VF: CALA** 10 **VUVE** 8

TOTAL SCATS: CALA 15 VUVE 14

Mileage	Species	Age	Topogr	Veg
1.1	Cala	VO	MS	GR
1.4	Cala	FR	MS	GR
1.8	Cala	FR	MS	MXAC
2.1	Cala	JO	FU	MXAC
3.0	Cala	VO	FL	MXAC
3.0	Cala	OL	FL	MXAC
3.4	Uuwe	OL	FL	MXAC
4.7	Uuwe	VO	SW	MXAC
5.6	Cala	FR	FL	MXAC
6.15	Uuwe	OL	FL	MXAC
10.25	Uuwe	OL	FL	MXAC
10.25	Cala	FR	FL	MXAC
11.8	Cala	FR	FL	MXAC
11.8	Uuwe	FR	MS	HUCG
12.0	Uuwe	FR	SW	GR
12.2	Uuwe	FR	FU	GR
12.3	Cala	OL	FU	GR
12.4	Cala	UF	FU	GR
12.75	Uuwe	UF	FU	GR
13.0	Uuwe	FR	FU	GR
13.15	Uuwe	FR	FU	GR

(21)

**Species codes:** CALA coyote

VUVE swift fox

**Age:** VO very old

OL old

**VF** very fresh

FR fresh

10

**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**

**Vegetation codes:**

**AC saltbush**

**YU** *yucca*

**MX mixed grassland (MXAC or MXYU)**

GR grassland

[illegible]

(21)