

Project Summary Sheet – Year 2005

Project Name SGS-LTER Monitoring Project – Carnivore Scat Count

Project Number 98

Principal Investigator(s) Paul Stapp

Dates of Data Collection 4/1/2005 (pre), 4/15/2005 (cen), 6/30/2005 (pre), 7/19/05 (cen)

Plot Names / Specific Location of study area(s) 9/22/05 (pre) 10/6/05 (cen)

CPER Carnivore Scat Count Transect

Full Names of Data Collectors M. Lindquist, J. Stevens, M. Hendricks, A. Anderson,

Don Salkeld, Abbey Bonsoc, B. Gley

Names of Associated Files and Databases dataentry\ARS#98-LT-Animal-
Mon-Data\canids\SCAT97-98-99-00-01-02-03-04-05-SM.xls

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

April

4/1 Pre-Census - 2 pages

4/15 Census - 1 page

June/July

6/22 Pre - 1 page

7/19 Cen - 1 page

Sept/Oct

9/22 Pre - 5 pages

10/6 Cen - 1 page

Questions and Concerns

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

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

Names of any other persons given copies of data sheets

Nicole Kaplan, Info Mgr, filed in NR218

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 April 05

OBSERVERS mag, Don Salkeld, Abbey Bonson

COMMENTS _____

ENDING MILEAGE _____

TOTAL FR/VF: CALA 0 VUVE 0

TOTAL SCATS: CALA 20 VUVE 21

Mileage	Species	Age	Topogr	Veg
1.1	Vuue	VO	MS	GR
1.1	Vuue	OL	MS	GR
1.15	Vuue	VO	MS	GR
1.25	Calg	VO	MS	GR
1.25	Vuue	VO	MS	GR
1.30	Vuue	VO	MS	GR
1.35	Vuue	VO	MS	GR
1.35	Vuue	OL	MS	GR
1.35	Vuue	VO	MS	GR
1.60	Vuue	VO	SW	MXAC
1.60	Calg	VO	SW	MXAC
2.85	Calg	VO	FL	GR/MXAC
3.1	Calg	VO	FL	MXAC
3.45	Calg	VO	MS	MXAC
4.7	Calg	VO	CR	MXAC
5.1	Calg	VO	FL	MXAC
5.3	Calg	VO	FL	MXAC
5.3	Calg	VO	FL	MXAC
5.5	Calg	VO	FL	MXAC
5.5	Calg	VO	FL	MXAC
6.1	WCR	37	8.1 WCR	122

(21)

Mileage	Species	Age	Topogr	Veg
8.15	Vuue	Dead		
9.9	Vuue	VO	FL	MXAC
9.9	Vuue	VO	FL	MXAC
10.35	Calg	VO	FL	MXAC
11.2	Calg	VO	MS	MXAC
11.55	Vuue	VO	MS	MXAC
12.90	Vuue	VO	FU	GR
12.90	Calg	VO	FU	GR
13.0	Vuue	VO	FU	GR
13.3	Vuue	VO	FU	GR
14.3	WCR	14y	15.4	Red 37
15.9	Calg	OL	FU	GR
16.1	Vuue	OL	FU	GR
16.3	Vuue	VO	FU	GR
16.3	Vuue	VO	FU	GR
16.5	Calg	VO	MS	GR
16.5	Vuue	VO	MS	GR
18.2	Vuue	VO	RG	GR
18.75	Calg	VO	RG	GR
19.0	Calg	VO	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

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)

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.

DATE April 15, 2005

OBSERVERS M. Lindquist, A. Anderson, J. Stevens

COMMENTS

ENDING MILEAGE 20.6

TOTAL FR/VF: CALA 4 VUVE 6

TOTAL SCATS: CALA 21 **VUVE** 20

Mileage	Species	Age	Topogr	Veg	
0.70	Cala	Oh	MS	GR	P.dog Town
2.10	Cala	VO	FU	GR	
2.50	Cala	VO	MS	GR	
2.50	Juve	FR	MS	GR	
2.90	Cala	VO	FL	MX/AC	
3.1	Cala	VO	FL	MX/AC	
4.1	Juve	FR	MS	MX/Ya/AL	
4.1	Juve	FR	MS	MX/Ya/AC	
10.5	Juve	VF	FL	MX/AC	
10.8	Cala	FR	FL	MX/AC	C
10.9	Cala	FR	FL	MX/AC	Huwt
11.35	Cala	OL	MS	MX/AC	
12.3	Cala	VO	FU	GR	
12.4	Cala	VO	FU	GR	
12.7	Cala	VO	FU	GR	
12.7	Juve	VO	FU	GR	
12.9	Cala	VO	FU	GR	
13.0	Cala	VF	FU	GR	
13.4	Juve	OL	FU	GR	
15.9	Cala	VO	FU	GR	ItucG
15.95	Cala	VO	FU	GR	

(21)

Species codes:CALA coyote

VUVE swift fox

Age: VO very old
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)

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.

StarT 0820
12:20

DATE 6.30.05

OBSERVERS M. Lindquist, J. Stevens, M. Hendricks

COMMENTS Cool, light wind, lots of veg. on Trenches

ENDING MILEAGE 20.6

TOTAL FR/VF: CALA **VUVE**

TOTAL SCATS: CALA **VUVE**

Mileage	Species	Age	Topogr	Veg
1.4	Calca	VO	MS	MXAC
2.1	Unue	VO	FU	MXAC
2.85	Calca	VO	FL	MXAC
3.35	Calca	VO	FL	MXAC
3.85	Calca	VO	FL	MXAC
5.0	Calca	VO	FL	MXAC
5.4	Calca	VO	FL	MXAC
6.3	Calca	FR	FU	MXAC
10.1	Unue	FR	FL	MXAC
12.05	Unue	FR	SW	GR
12.2	Unue	OL	FU	GR
12.65	Unue	VO	FU	GR
12.7	Unue	VO	FU	GR
12.9	Unue	FR	FU	GR
13.3	Calca	JO	FU	GR
14.0	Unue	VO	FU	GR
16.25	Unue	VO	MS	GR
17.4	Unue	OL	Hucg	GR
17.65	Calca	VO	SW	GR
19.5	Calca	VO	FU	GR
19.75	Calca	VO	FU	MXAC

(21)

[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	AC saltbush	GR grassland
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			

Vegetation codes:

AC saltbush GR grassland

YU yucca

MX mixed grassland (MXAC or MXYU)

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

HU human structure (<30 m): HUWI windmill, 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.

COUNT (circle):

PRE-CENSUS

CENSUS

10:00h

DATE 9.22.05OBSERVERS M. Lindquist, A. Anderson, J. StevensCOMMENTS Overcast, 02/17 precip

ENDING MILEAGE _____

TOTAL FR/VF: CALA _____ VUVE _____

TOTAL SCATS: CALA _____ VUVE _____

Mileage	Species	Age	Topogr	Veg
0.1	Vuue	FR	MS	GR
0.2	Vuue	FR	FU	GR
0.3	Vuue	FR	FU	GR
0.3	Vuue	FR	FU	GR
0.45	Vuue	OL	FU	GR
0.50	Vuue	FR	FU	GR
0.50	Vuue	FR	FU	GR
0.50	Vuue	FR	FU	GR
0.50	cala	OL	FU	GR
0.5	Vuue	VF	MS	GR
0.5	Vuue	VF	MS	GR
0.55	Vuue	FR	MS	GR
0.6	Vuue	FR	MS	GR
0.6	Vuue	OL	MS	GR
0.6	Vuue	FR	SW	GR
0.6	Vuue	FR	SW	GR
0.6	Vuue	FR	SW	GR
0.65	Vuue	VF	SW	GR
0.65	Vuue	FR	SW	GR
0.65	Vuue	FR	SW	GR
0.70	Vuue	FR	SW	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
0.70	Vuue	FR	SW	GR
0.70	Vuue	FR	SW	GR
0.70	Vuue	FR	MS	GR
0.70	Vuue	FR	MS	GR
0.70	Vuue	FR	MS	GR
0.70	cala	VO	MS	GR
0.70	cala	VO	MS	GR
0.70	cala	VO	MS	GR
0.70	Vuue	VF	MS	GR
0.75	Vuue	FR	MS	GR
0.75	Vuue	FR	MS	GR
0.85	Vuue	FR	MS	GR
0.90	Vuue	VF	MS	GR
1.1	Vuue	VF	MS	GR
1.1	Vuue	VF	MS	GR
1.1	Vuue	VO	MS	GR
1.1	Vuue	VO	MS	GR
1.35	Vuue	FR	RG	GR
1.40	cala	FR	MS	GR
1.45	cala	VO	MS	GR
1.45	Vuue	VF	MS	GR

(21)

SGS-LTER Long-Term Monitoring Project

Carnivore Scat Count

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COUNT (circle): PRE-CENSUS CENSUS

DATE _____

OBSERVERS _____

COMMENTS _____

ENDING MILEAGE _____

TOTAL FR/VF: CALA _____ VUVE _____

TOTAL SCATS: CALA _____ VUVE _____

Mileage	Species	Age	Topogr	Veg
6.85	VUVE	UF	FU	MXAC
7.35	Juve	FR	FU	MXAC
9.1	Cala	OL	FL	MXAC
9.2	Cala	FR	FL	MXAC
9.45	VUVE	UF	FL	MXAC
10.00	VUVE	FR	FL	MXAC
10.15 ②	Cala	VO	FL	MXAC
10.15 ③	Juve	VO	FL	MXAC
10.40	VUVE	FR	FL	MXAC
10.45	VUVE	OL	FL	MXAC
10.7	Cala	VO	FL	MXAC
11.4 ③	VUVE	OL/FR	FL	MXAC
11.45	VUVE	VO	FL	MXAC
11.65	Cala	VO	FL	MXAC
11.5	VUVE	FR	MS	MXAC
11.55	VUVE	FR	FL	MXAC
11.6	Cala	VO	SW	MXAC
11.85	Cala	VO	FL	MXAC
11.95	VUVE	FR	MS	GR
12.0	VUVE	FR	MS	GR
12.0 ②	VUVE	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 AC saltbush GR grassland
 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

Mileage	Species	Age	Topogr	Veg
12.05	VUVE	FR	RG	GR
12.1	VUVE	FR	SW	GR
12.15	VUVE	FR	MS	GR
12.2	VUVE	OL	FU	GR
12.3	VUVE	UF	FU	GR
12.35 ①	Cala	VO	FU	GR
12.4	Juve	FR	FU	GR
12.5 ②	VUVE	FR	FU	GR
12.55	Cala	VO	FU	GR
12.55 ②	VUVE	FR	FU	GR
12.7	Cala	VO	FU	GR
12.7	VUVE	VO	FU	GR
12.7	VUVE	FR	FU	GR
12.8	Cala	VO	FU	GR
12.9	VUVE	OL	FU	GR
12.8	VUVE	FR	FU	GR
13.2	Cala	VO	FU	GR
13.35	VUVE	UF	FU	GR
13.35 ②	VUVE	VO	FU	GR
13.35	Cala	VO	FU	GR
13.55	VUVE	FR	FU	GR

(21)

SGS-LTER Long-Term Monitoring Project

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COUNT (circle): PRE-CENSUS CENSUS

DATE 22 Sept 05

OBSERVERS _____

COMMENTS _____

ENDING MILEAGE _____

TOTAL FR/VF: CALA _____ VUVE _____

TOTAL SCATS: CALA _____ VUVE _____

Mileage	Species	Age	Topogr	Veg
13.8	Cala	VO	FU	GR
13.85 (1)	Vuue	VO	FU	GR
14.95	Cala	VO	FU	GR
14.95	Vuue	VO	FU	GR
14.0 (2)	Vuue	VO	FU	GR
14.05 (3)	Cala	VO	FU	GR
14.3 (2)	Vuue	FR	MS	GR
15.9 (3)	Vuue	FR	FU	GR
15.9 (3)	Cala	FR	FU	GR
15.95 (2)	Vuue	FR	FU	GR
15.95	Vuue	OL	FU	GR
16.0	Cala	FR	FU	GR
16.0	Vuue	OL	FU	GR
16.05 (1)	Vuue	FR	FU	GR
16.1	Vuue	FR	FU	GR
16.2	Cala	OL	FU	GR
16.2 (2)	Vuue	FR	FU	GR
16.25	Vuue	FR	MS	GR
16.3	Vuue	FR	MS	GR
16.35	Cala	FR	MS	GR
16.35	Vuue	FR	MS	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
16.35	Cala	VO	MS	GR
16.35	Vuue	OL	MS	GR
16.4 (2)	Vuue	FR	RG	GR
16.4	Cala	FR	RG	GR
16.4 (1)	Vuue	FR	RG	GR
16.5	Vuue	FR	MS	GR
16.7	Vuue	FR	SW	GR
16.7 (2)	Vuue	OL	MS	GR
16.8 (2)	Vuue	OL	MS	GR
16.8	Vuue	FR	MS	GR
16.85	Cala	OL	FU	GR
16.85	Vuue	OL	FU	GR
17.0	Vuue	FR	FU	GR
17.4	Cala	VO	FU	GR
18.55	Vuue	OL	RG	GR
19.05	Vuue	FR	SW	GR
19.05	Cala	OL	SW	GR
19.05	Vuue	VF	SW	GR
19.1	Cala	VO	SW	GR
19.2 (2)	Vuue	OL	MS	GR
19.4	Cala	VO	FU	GR

(21)

no bu
17.0
17.4
17.4

cattle
grd
wind
mill

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~~PRE-CENSUS~~

CENSUS

end 14:28

DATE 22 Sept 05

OBSERVERS mol, AA, JS

COMMENTS WCR 114 recently graded
ENDING MILEAGE 3.7

ENDING MILEAGE 20.7

TOTAL FR/VF: CALA **VUVE**

TOTAL SCATS: CALA **VUVE**

[illegible]

(21)

Species codes: CALA coyote

Age: VO very old

VUVE swift fox

OL old

[illegible]

(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 (<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

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COUNT (circle): PRE-CENSUS

CENSUS

1017
1323

DATE 10.6.05

OBSERVERS M. Lindqvist, A. Anderson, T. Höglund

COMMENTS WCR 114 freshly graded.

ENDING MILEAGE 70.7

TOTAL FR/VF: CALA **VUVE**

TOTAL SCATS: CALA VUVE

Mileage	Species	Age	Topogr	Veg	
0.90	Cala	FR	MS	GR	
0.95	Juv	UF	FL	GR	
1.0	Juv	UF	FL	GR	HULL
5.25	Cala	FR	FL	MXAC	
5.4	Juv	UF	FL	MXAC	
6.25	Juv	FR	FU	MXAC	WCR37
6.30	Juv	FR	FU	MXAC	WCR37
6.7	Cala	FR	FU	MXAC	37WCR
7.1	Cala	FR	FU	MXAC	WCR37
7.15	Juv	FR	FU	MXAC	37WCR
7.2	Juv	FR	FU	MXAC	WCR37
9.8	Cala	OL	EL	MXAC	
11.4	Cala	FR	MS	MXAC	
11.4	Juv	FR	MS	MXAC	
11.6	Cala	FR	SW	MXAC	
11.9	Cala	FR	FL	GR	
13.8	Juv	FR	FU	GR	
14.25	Juv	FR	FU	GR	
14.25	Cala	FR	FU	GR	
15.95	Juv	FR	FU	GR	HULL
16.35	Cala(2)	FR	MS	GR	

(21)

[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

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)