

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 12 OCT 98OBSERVERS DAN LETT, Nicole SniderCOMMENTS Temp COLDENDING MILEAGE 19.70TOTAL FR/VF: CALA 8 VUVE 19TOTAL SCATS: CALA 20 VUVE 29

| Mileage | Species | Age | Topogr | Veg |
|---------|---------|-----|--------|--------|
| 0.35 | VUVE | OL | FU | YU |
| 0.70 | VUVE | OL | FU | GR |
| 1.05 | VUVE | OL | MS | GR |
| 1.10 | VUVE | OL | FU | GR |
| 1.15 | VUVE | OL | FU | GR |
| 1.18 | VUVE | FR | FU | GR |
| 1.18 | CALA | OL | FU | GR |
| 1.20 | VUVE | FR | FU | GR |
| 1.32 | VUVE | OL | FU | GR |
| 1.32 | CALA | OL | FU | GR |
| 1.90 | VUVE | FR | FU | GR |
| 2.05 | VUVE | OL | FU | GR |
| 4.10 | CALA | OL | MS | AC |
| 9.30 | CALA | VO | MS | AC |
| 10.10 | CALA | FR | FU | MXW/AC |
| 10.55 | CALA | VO | FU | MXW/AC |
| 10.60 | CALA | VO | FU | MXW/AC |
| 10.60 | VUVE | FR | FU | MXW/AC |
| 10.69 | CALA | FR | RG | MXW/AC |
| 10.9 | VUVE | FR | MS | MXW/AC |
| 10.9 | CALA | OL | MS | MXW/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 |
|---------|---------|-----|--------|--------|
| 11.50 | CALA | FR | FU | GR |
| 11.80 | CALA | FR | FU | GR |
| 12.05 | VUVE | FR | FU | GR |
| 12.45 | VUVE | FR | FU | GR |
| 12.60 | CALA | FR | FU | GR |
| 12.65 | VUVE | FR | FU | GR |
| 12.65 | VUVE | FR | FU | GR |
| 12.70 | VUVE | FR | FU | GR |
| 13.45 | CALA | FR | MS | GR |
| 15.30 | VUVE | FR | MS | GR |
| 15.30 | VUVE | FR | MS | GR |
| 15.40 | VUVE | FR | MS | GR |
| 15.40 | VUVE | FR | MS | GR |
| 15.65 | VUVE | FR | MS | MXW/YU |
| 15.70 | VUVE | FR | MS | MXW/YU |
| 15.90 | CALA | FR | RG | MXW/YU |
| 15.95 | VUVE | FR | RG | MXW/YU |
| 16.00 | VUVE | FR | RG | MXW/YU |
| 16.15 | CALA | OL | MS | GR |
| 16.35 | CALA | OL | MS | GR |
| 16.40 | VUVE | OL | MS | GR |

cattle guard

(21)

HU
HU
HU
HU

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COUNT (circle): PRE-CENSUS CENSUS

DATE 12 OCT 1998

OBSERVERS Dan Lott, Nicole Snyder

COMMENTS COLD

ENDING MILEAGE 19.70

TOTAL FR/VF: CALA **VUVE**

TOTAL SCATS: CALA **VUVE**

[illegible]

(21)

Species codes:

CALA coyote
VUVE swift fox

Age: VO very old
OL old

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)

[illegible]

(21)

SGS-LTER Long-Term Monitoring Project Carnivore Scat Count

CENSUS

TOTAL SCATS: CALA **VUVE**

[illegible]

Cattle Guard (21)

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

COUNT (circle): (PRE-CENSUS) CENSUS

OBSERVERS MYL m K-Woodman

COMMENTS RD 37 RECENTLY GRADED (ALSO 114)

ENDING MILEAGE 19.1

TOTAL FR/VF: CALA 2 **VUVE** 6

TOTAL SCATS: CALA 5 VUVE 2

[illegible]

(21)

CALA coyote
VUVE swift fox

Age: VO very old
OL old

VF very fresh
FR fresh

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

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

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COUNT (circle): PRE-CENSUS

CENSUS

DATE 28 July 98

OBSERVERS MOE, NS JS.

COMMENTS

ENDING MILEAGE

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

TOTAL SCATS: CALA _____ **VUVE** _____

[illegible]

(21)

Species codes:

CALA coyote
VUVE swift fox

Age: VO very old
OL old

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)

[illegible]

(21)

LTER/CPER 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 1-20-98 OBSERVERS MAC David Smith Adam Fleener
COMMENTS _____

ENDING MILEAGE 9.15

TOTAL FR/VF: CALA _____ VUVE _____

TOTAL SCATS: CALA _____ VUVE _____

| Mileage | Species | Age | Topogr | Veg |
|---------|-----------------|-----|--------|-----|
| 0.00 | CalA | OL | FL | GR |
| 0.00 | VuVe | OL | FL | GR |
| 0.00 | CalA | FR | FL | GR |
| 0.1 | CalA | OL | FL | GR |
| 0.45 | VuVe | OL | FL | GR |
| 0.60 | CalA | OL | FU | GR |
| 1.20 | VuVe | OL | FU | GR |
| 1.21 | CalA | OL | MS | GR |
| 1.21 | VuVe | OL | MS | GR |
| 1.30 | CalA | VO | MS | GR |
| 1.40 | CalA | OL | FL | GR |
| 1.40 | VuVe | VO | FL | GR |
| 1.40 | VuVe | OL | FL | GR |
| 1.50 | CalA | OL | FL | GR |
| 1.60 | CalA | OL | FL | GR |
| 1.70 | VuVe | OL | FL | GR |
| 1.75 | VuVe | OL | MS | GR |
| 1.80 | VuVe | OL | RG | GR |
| 1.80 | CalA | OL | RG | GR |
| 2.10 | VuVe | OL | FU | GR |
| 2.20 | VuVe | OL | FU | GR |
| 2.35 | VuVe | VO | MS | GR |

| Mileage | Species | Age | Topogr | Veg |
|---------|---------|-----|--------|-----|
| 2.35 | CalA | VO | MS | GR |
| 2.50 | CalA | VO | FL | GR |
| 2.50 | VuVe | VO | FL | GR |
| 2.70 | VuVe | OL | FL | GR |
| 3.15 | VuVe | VO | FU | GR |
| 3.20 | VuVe | VO | FL | GR |
| 4.00 | VuVe | FR | FU | GR |
| 8.00 | CalA | VO | SW | GR |
| 8.40 | VuVe | OL | MS | MX |
| 8.45 | VuVe | OL | MS | MX |
| 8.46 | VuVe | OL | RG | MX |
| 8.50 | VuVe | OL | MS | MX |
| 8.51 | VuVe | OL | MS | MX |
| 8.51 | VuVe | VO | MS | MX |
| 8.55 | VuVe | OL | FU | MX |
| 8.60 | VuVe | OL | MS | MX |
| 8.80 | CalA | VO | SW | MX |
| 8.80 | VuVe | OL | SW | MX |
| 8.90 | VuVe | FR | MS | MX |
| 9.10 | CalA | VO | SW | GR |
| 9.10 | VuVe | OL | SW | GR |
| 9.10 | VuVe | OL | SW | GR |

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)

LTER/CPER CARNIVORE SCAT COUNT

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COUNT (circle):

PRE-CENSUS

CENSUS

G-1 - 2nd Data Sheet

DATE 1-20-98

OBSERVERS MDL

D Smith A. Fleener

COMMENTS

ENDING MILEAGE

11.1

TOTAL FR/VF: CALA

VUVE

TOTAL SCATS: CALA

VUVE

| Mileage | Species | Age | Topogr | Veg |
|---------|---------|-----|--------|-----|
| 9.15 | Vuue | OL | FU | GR |
| 9.15 | Vuue | OL | FU | GR |
| 9.20 | Vuue | OL | FU | GR |
| 9.21 | Vuue | VO | FU | GR |
| 9.25 | Vuue | OL | FU | GR |
| 9.26 | Vuue | OL | FU | GR |
| 9.30 | Vuue | OL | FU | GR |
| 9.32 | Vuue | OL | FU | GR |
| 9.35 | Vuue | OL | SW | GR |
| 9.35 | Vuue | VO | SW | GR |
| 9.40 | Vuue | VO | MS | GR |
| 9.45 | Vuue | OL | MS | GR |
| 9.45 | Vuue | VO | MS | GR |
| 9.50 | Vuue | OL | MS | GR |
| 9.65 | Vuue | VO | MS | GR |
| 9.80 | Vuue | VO | FL | GR |
| 9.80 | Vuue | OL | FL | GR |
| 9.90 | Vuue | OL | FL | GR |
| 9.90 | Vuue | VO | FL | GR |
| 10.00 | Vuue | OL | MS | GR |
| 10.10 | Cala | OL | MS | GR |
| 10.30 | Vuue | VO | RG | GR |

| Mileage | Species | Age | Topogr | Veg |
|---------|---------|-----|--------|-----|
| 10.31 | Vuue | VO | MS | MX |
| 10.40 | Vuue | VO | FU | MX |
| 10.45 | Vuue | VO | FU | GR |
| 10.50 | Vuue | VO | MS | GR |
| 10.60 | Vuue | VO | MS | GR |
| 10.70 | Vuue | VO | MS | MX |
| 10.71 | Cala | VO | MS | MX |
| 10.71 | Vuue | OL | MS | MX |
| 10.72 | Vuue | VO | MS | MX |
| 10.73 | Cala | VO | MS | MX |
| 10.73 | Vuue | OL | MS | MX |
| 10.75 | Vuue | VO | MS | GR |
| 10.80 | Vuue | OL | RG | GR |
| 10.85 | Vuue | VO | MS | GR |
| 10.90 | Vuue | VO | MS | GR |
| 10.95 | Vuue | VO | MS | GR |
| 10.95 | Vuue | VO | MS | GR |
| 11.05 | Vuue | VO | FU | GR |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

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VUVE swift fox

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OL old

VF very fresh
FR fresh

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RG ridgetop
SW swale
CR creek drainage

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YU yucca
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GR grassland
HU human structure (<30 m)

CPR

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COUNT (circle):

PRE-CENSUS

CENSUS

DATE 1-20-98 OBSERVERS MDL, David Smith, Adam Fleener
COMMENTS _____

ENDING MILEAGE _____

TOTAL FR/VF: CALA _____ VUVE _____

TOTAL SCATS: CALA _____ VUVE _____

| Mileage | Species | Age | Topogr | Veg |
|---------|---------|-----|--------|-----|
| 0.03 | VU | OL | MS | GR |
| 0.4 | CA | VO | FU | GR |
| 0.7 | CA | VO | FL | GR |
| 0.7 | VU | VO | FU | GR |
| 0.8 | VU | OL | FU | GR |
| 0.9 | CA | OL | FU | GR |
| 1.1 | CA | VO | FU | GR |
| 1.2 | CA | VO | FU | GR |
| 1.35 | CA | VO | FU | GR |
| 1.9 | CA | VO | FU | GR |
| 2.3 | CA | VO | FU | GR |
| 2.5 | CA | VO | FU | GR |
| 2.5 | VU | VO | FU | GR |
| 2.6 | CA | VO | FU | GR |
| 2.6 | VU | VO | FU | GR |
| 2.7 | CA | VO | FU | GR |
| 2.9 | CA | VO | " | " |
| 3.2 | CA | VO | " | MX |
| 3.8 | VU | VO | FL | MX |
| 4.0 | CA | OL | CR | " |
| 4.1 | CA | VO | CR | " |
| 4.4 | CA | VO | RG | YU |

| Mileage | Species | Age | Topogr | Veg |
|---------|---------|-----|--------|-----|
| 4.4 | VU | VO | RG | YU |
| 4.5 | CA | VO | MS | MX |
| 4.6 | VU | VO | MS | MX |
| 4.6 | VU | VO | MS | MX |
| 4.7 | CA | VO | " | " |
| 4.7 | CA | VO | FL | MX |
| 4.7 | VU | VO | FL | MX |
| 4.9 | CA | VO | MS | GR |
| 4.9 | VU | VO | MS | GR |
| 4.9 | VU | VO | FL | GR |
| 4.9 | VU | VO | FL | MX |
| 4 | CA | VO | " | " |
| 5.5 | VU | VO | " | " |
| 5.5 | VU | VO | " | " |
| 5.6 | VU | VO | FL | MX |
| 5.8 | VU | VO | FL | GR |
| 6.1 | VU | OL | FU | GR |
| 6.1 | VU | VO | MS | GR |
| 6.3 | VU | VO | FL | GR |
| 6.3 | VU | OL | FL | GR |
| 6.3 | CA | VO | FL | GR |
| 6.7 | CA | VO | " | " |

Species codes:

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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)

CPER

80

LTER/CPER CARNIVORE SCAT COUNT

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COUNT (circle): PRE-CENSUS CENSUS

DATE 1-20-98 OBSERVERS _____

COMMENTS _____

ENDING MILEAGE _____

TOTAL FR/VF: CALA _____ VUVE _____

TOTAL SCATS: CALA _____ VUVE _____

| Mileage | Species | Age | Topogr | Veg |
|---------|------------------------------------|-----|--------|-----|
| 6.8 | VU | VO | SW | GR |
| 7.6 | VU | VO | RG | GR |
| 7.1 | VU | VO | RG | GR |
| x 2 7.1 | VU | VO | MS | GR |
| 7.2 | VU | VO | MS | GR |
| " | CA | VO | " | " |
| 7.4 | CA | VO | MS | GR |
| " | VU | " | " | " |
| 7.7 | VU | OL | FL | GR |
| x 2 7.7 | VU | VO | FL | GR |
| 8.1 | VU | OL | MS | GR |
| y 8.4 | VU | VO | FL | GR |
| 8.5 | " | " | " | " |
| 8.6 | CA+VU | OL | FL | GR |
| 8.6 | CA+VU | OL | MS | GR |
| 8.7 | VU+CAVO | OL | MS | GR |
| 8.7 | VU ^{VO} +CAVO | OL | MS | GR |
| 8.7 | CA ^{OL} | | MS | GR |
| 8.7 | VU ^{VO} +CAVO | OL | RG | GR |
| 8.8 | VU+CA | VO | RG | GR |
| 8.8 | CA ^{VO} +VU ^{VO} | VO | RG | GR |
| 8.8 | VU | VO | FU | GR |

| Mileage | Species | Age | Topogr | Veg |
|-------------|------------------------------------|-----|--------|-----|
| 8.9 | VU ^{VO} +CA ^{OL} | VO | FU | GR |
| 9.0 | CA ^{OL} | OL | FU | GR |
| x 2 9.1 | VU ^{OL} +CAVO | | FU | GR |
| 9.3 | VU ^{VO} +CAVO | | FU | GR |
| 9.4 | VU ^{VO} +CAVO | | MS | GR |
| (2) 9.4+9.5 | CAVO | | FL | GR |
| 9.6 | CAVO | | MS | GR |
| (2) 9.7+9.9 | VU ^{VO} | | FU | GR |
| 9.9 | VU ^{VO} +CAVO | | RG | GR |
| 9.9 | VU ^{VO} +CAVO | | RG | GR |
| 10.1 | VU | FR | RG | GR |
| x 3 10.1 | VU | OL | FU | GR |
| 10.2 | VU ^{VO} +CAVO | | FU | GR |
| 10.4 | VU ^{FR} +VU ^{OL} | | FU | GR |
| 10.4 | VU ^{VO} +CAVO | | FU | GR |
| 10.4 | VU ^{VO} | | FU | GR |
| 10.5 | VU ^{FR} +CA ^{OL} | | MS | GR |
| 10.6 | VU ^{VO} +CAVO | | FU | GR |
| 10.7 | CAVO | | FU | GR |
| 10.8 | VU ^{VO} | | FU | GR |
| | | | | |
| | | | | |

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
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