

PROJECT: Small Mammal  
BLM Prairie Dog Survey

Inclusive dates: 17-19 March 2017

Participants: (Printed Name, Signature - 3 letter Initials):

Samiya Dunnum [Signature] SKD

Jon R. Dunnum [Signature] \_\_\_\_\_

Dianne Peterson [Signature] \_\_\_\_\_

Ellen Beenti [Signature] EKB

Rosario Marroquin [Signature] RMT

Craig Tinsley [Signature] CWT

Katrina M. Deriez [Signature] KMD

Joseph A. Cook [Signature] JAC

Schuyler W. Liphardt [Signature] SWL

**LOCALITIES:**

Locality: USA/New Mexico; Cibola County, El Malpais, Mouth of Cebolla Canyon

Lat/long/elev or waypoints: \_\_\_\_\_

Inclusive dates: 17-19 March 2017

NK number series: \_\_\_\_\_

# traps/captures: \_\_\_\_\_ / \_\_\_\_\_ Trap success \_\_\_\_\_ %

Locality: USA/New Mexico; Cibola Co., El Malpais, Confluence of Cebolla & Lobo canyons

Lat/long/elev or waypoints: \_\_\_\_\_

Inclusive dates: \_\_\_\_\_

NK number series: \_\_\_\_\_

# traps/captures: \_\_\_\_\_ / \_\_\_\_\_ Trap success \_\_\_\_\_ %

Locality: USA/New Mexico; Cibola County, Mouth of Cebolla Canyon

Lat/long/elev or waypoints: \_\_\_\_\_

Inclusive dates: 17-19 March 2017

NK number series: \_\_\_\_\_

# traps/captures: \_\_\_\_\_ / \_\_\_\_\_ Trap success \_\_\_\_\_ %

Locality: USA/New Mexico; Cibola County, Mouth of Cebolla Canyon

Lat/long/elev or waypoints: \_\_\_\_\_

Inclusive dates: 17-19 March 2017

NK number series: \_\_\_\_\_

# traps/captures: \_\_\_\_\_ / \_\_\_\_\_ Trap success \_\_\_\_\_ %

Locality: USA/New Mexico; Cibola County, Mouth of Cebolla Canyon

Lat/long/elev or waypoints: \_\_\_\_\_

Inclusive dates: 17-19 March 2017

NK number series: \_\_\_\_\_

# traps/captures: \_\_\_\_\_ / \_\_\_\_\_ Trap success \_\_\_\_\_ %

Locality: \_\_\_\_\_

Lat/long/elev or waypoints: \_\_\_\_\_

Inclusive dates: \_\_\_\_\_

NK number series: \_\_\_\_\_

# traps/captures: \_\_\_\_\_ / \_\_\_\_\_ Trap success \_\_\_\_\_ %

# Trapline Datasheet

Locality: USA/new Mexico; Cibola County, ~~Etowah~~ <sup>North</sup> Head of Cibola Canyon  
 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_ m GPS Name \_\_\_\_\_ Datum: WG84 Max error: \_\_\_\_\_ m  
 Date set: 17 March 2017 Project/Collectors: BLM Prairie Dog Project  
Small mammal survey

Trapline #: KLM 35W2 Shermans: 40 Tomahawks: 5 Rat: 10 Mus Spec: 30 Macabies: \_\_\_\_\_ Pitfalls: \_\_\_\_\_

	Cover Class	Height/units	Dominant Plant Species
Overstory:	① 1 2 3 4 5 6 7 8 9	_____	<u>Some one seed juniper - sparse</u>
Understory:	① 1 2 3 4 5 6 7 8 9	_____	_____
Herbaceous:	0 1 2 3 4 5 6 7 ⑧ 9	<u>&lt; 2m</u>	<u>Black grama? sage brush(?)</u>
Bare soil/rock:	0 1 ② 3 4 5 6 7 8 9	_____	_____
Litter layer:	① 1 2 3 4 5 6 7 8 9	_____	Slope <u>0</u> %

Notes: Black grama grassland/sage brush on border of P5 woodland

	Date: <u>18 March 2017</u>	Date: <u>19 March 2017</u>	
	Temp (°C): <u>~30 F°</u>	Temp (°C): <u>~30 F°</u>	
	Precip (mm): <u>0</u>	Precip (mm): <u>0</u>	
	Trap # / species / NK #	Trap # / species / NK #	
Captures:	RD 001 P. manic 002 R. meq 003 R. meq 004 R. meq 005 R. meq 006 P. ordii 007 <del>P. manic</del> a. leuco. 008 P. manic 009 P. manic	RD 010 P. manic 011 Perognathus flavus 012 P. manic 013 R. meq 014 O. leuco 015 R. meq 016 R. meq 017 R. meq 018 R. meq 019 R. meq 020 P. manic	
Embryos:	Embryos:	Embryos:	

Total Captures: 9 Total Captures: 11 Total Captures: \_\_\_\_\_

# Trapline Datasheet

Locality: USA - New Mexico; Cibola Co. Mouth of Cibola canyon.  
 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_ m GPS Name \_\_\_\_\_ Datum: WG84 Max error: \_\_\_\_\_ m  
 Date set: 17 March 2017 Project/Collectors: Rio Puerco BLA mammal project

Trapline #. DEP/SKD/JLD Shermans: 30 Tomahawks: \_\_\_ Rat: \_\_\_ Mus Spec: 20 Macabies: \_\_\_ Pitfalls: \_\_\_

	Cover Class	Height/units	Dominant Plant Species
Overstory:	0 1 2 3 4 5 6 7 8 9	_____	_____
Understory:	0 1 2 3 4 5 6 7 8 9	<u>.3m</u>	<u>Artemisia - winter fat</u>
Herbaceous:	0 1 2 3 4 5 6 7 8 9	<u>.1-.2m</u>	<u>gramma</u>
Bare soil/rock:	0 1 2 3 4 5 6 7 8 9	_____	_____
Litter layer:	0 1 2 3 4 5 6 7 8 9	_____	Slope <u>0</u> %

Notes: \_\_\_\_\_

Captures:	Date: <u>18 March 2017</u>	Date: <u>19 March</u>	Date: _____
	Temp (°C): <u>12.2</u>	Temp (°C): _____	Temp (°C): _____
	Precip (mm): <u>0</u>	Precip (mm): _____	Precip (mm): _____
	Trap # / species / NK #	Trap # / species / NK #	Trap # / species / NK #
	<u>PV 001 / P. manic /</u> <u>#1007</u>	<u>PV 005 R. meg</u> <u>PV 006 R. meg</u> <u>PV 007 P. manic</u> <u>PV 008 O. leuco</u> <u>PV 009 P. manic</u> <u>PV 010 P. manic</u>	
Embryos:		Embryos:	Embryos:

Total Captures: 1 Total Captures: 4 Total Captures: \_\_\_\_\_

# Trapline Datasheet

Locality: USA: New Mexico; Cibola Co. Mouth of Cibola Canyon  
 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_ m GPS Name \_\_\_\_\_ Datum: WG84 Max error: \_\_\_\_\_ m  
 Date set: 17 March 2017 Project/Collectors: Rio Puerco BLM mammal project

Trapline #: DEP/SKD/JLD 2 Shermans: 30 Tomahawks: \_\_\_\_\_ Rat: \_\_\_\_\_ Mus Spec: 20 Macabies: \_\_\_\_\_ Pitfalls: \_\_\_\_\_

	Cover Class	Height/units	Dominant Plant Species
Overstory:	<u>0</u> 1 2 3 4 5 6 7 8 9	_____	_____
Understory:	0 <u>0</u> 2 3 4 5 6 7 8 9	<u>.3</u>	<u>winter fat</u>
Herbaceous:	0 1 2 3 4 5 6 7 8 9	<u>.1</u>	<u>gramma</u>
Bare soil/rock:	0 1 2 3 <u>4</u> 5 6 7 8 9	_____	_____
Litter layer:	0 1 2 3 4 5 6 7 8 9	_____	Slope <u>0</u> %

Notes: \_\_\_\_\_

	Date: <u>18 March 2017</u>	Date: <u>19 March</u>	Date: _____
	Temp (°C): _____	Temp (°C): _____	Temp (°C): _____
	Precip (mm): _____	Precip (mm): _____	Precip (mm): _____
	Trap # / species / NK #	Trap # / species / NK #	Trap # / species / NK #
Captures:	<u>PV002</u> / <u>R. megalotis</u> / <u>O. leucogaster</u>	<u>PV011</u> <u>O. leuco</u>	
	<u>PV003</u> <u>R. megalotis</u> / <u>O. leucogaster</u>	<u>PV012</u> <u>R. meg</u>	
	<u>PV004</u> <u>R. megalotis</u>	<u>PV013</u> <u>R. meg</u>	
	Embryos: _____	Embryos: _____	Embryos: _____

Total Captures: 3                      Total Captures: 3                      Total Captures: \_\_\_\_\_

# Trapline Datasheet

Locality: USA/New Mexico; Cibola Co. Mouth of Cebolla Canyon  
 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_ m GPS Name \_\_\_\_\_ Datum: WG84 Max error: \_\_\_\_\_ m  
 Date set: 17 March 2011 Project/Collectors: Rio Puerco BLM Mammal Project

Trapline #. ELB/REJ Shermans: 40 Tomahawks:     Rat: 10 Mus Spec: 29 Macabies:     Pitfalls:    

	Cover Class	Height/units	Dominant Plant Species
Overstory:	0 1 2 3 4 5 6 7 8 9	_____	_____
Understory:	0 1 2 3 4 5 6 7 8 9	<u>.2m</u>	<u>Black gramma, piñon, ponderosa, pine, blue gramma</u>
Herbaceous:	0 1 2 3 4 5 6 7 8 9	<u>.2-.1m</u>	
Bare soil/rock:	0 1 2 3 4 5 6 7 8 9	_____	_____
Litter layer:	0 1 2 3 4 5 6 7 8 9	_____	Slope <u>0</u> %

Notes: \_\_\_\_\_  
 \_\_\_\_\_

Captures:	Date: <u>18 march</u>	Date: <u>19 march</u>	Date: _____
	Temp (°C): _____	Temp (°C): _____	Temp (°C): _____
	Precip (mm): _____	Precip (mm): _____	Precip (mm): _____
	Trap # / species / NK #	Trap # / species / NK #	Trap # / species / NK #
	<u>06 002 R. meg</u>	<u>06 006 R. meg</u>	
	<u>06 003 R. meg</u>	<u>06 007 R. meg</u>	
	<u>06 004 R. meg</u>	<u>06 008 R. meg</u>	
	<u>06 005 P. truci</u>	<u>06 010 P. manic</u>	
		<u>06 011 R. meg</u>	
Embryos:			

Total Captures: 4                      Total Captures: 5                      Total Captures: \_\_\_\_\_

# Trapline Datasheet

Locality: USA / New Mexico; Cibola Co. Mouth of Cebolla Canyon

Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_ m GPS Name \_\_\_\_\_ Datum: WG84 Max error: \_\_\_\_\_ m

Date set: 17 March 2017 Project/Collectors: Rio Puerco BLM mammal project

Trapline #: PMF/GWT Shermans: 40 Tomahawks:     Rat: 10 Mus Spec: 30 Macabies:     Pitfalls:    

	Cover Class	Height/units	Dominant Plant Species
Overstory:	0 ① 2 3 4 5 6 7 8 9	<u>3.5m</u>	<u>Piñon</u>
Understory:	0 1 2 ③ 4 5 6 7 8 9	<u>.2m</u>	_____
Herbaceous:	① 1 2 3 4 5 6 7 8 9	_____	_____
Bare soil/rock:	0 ① 2 3 4 5 6 7 8 9	_____	_____
Litter layer:	0 ① 2 3 4 5 6 7 8 9	_____	Slope <u>0</u> %

Notes: \_\_\_\_\_

	Date: <u>18 March 2017</u>	Date: <u>19 March</u>
	Temp (°C): <u>~30°F</u>	Temp (°C): _____
	Precip (mm): <u>∅</u>	Precip (mm): _____
	Trap # / species / NK #	Trap # / species / NK #
Captures:	WH 001 P. manic 002 O. leuco 003 P. manic 004 P. manic 005 R. meg 006 P. manic 007 R. meg	WH 008 R. meg
	Embryos: _____	Embryos: _____

Total Captures: 7

Total Captures: 1

Total Captures: \_\_\_\_\_

# Trapline Datasheet

Locality: USA/New Mexico; Cibola County, Mouth of Cebolla Canyon  
 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_ m GPS Name YE Datum: WG84 Max error: \_\_\_\_\_ m  
 Date set: \_\_\_\_\_ Project/Collectors: Rio Puerco BLM Mammal Project

Trapline #: KMD/DJP Shermans: 39 Tomahawks: 2 Rat: 10 Mus Spec: 30 Macabies: — Pitfalls: —

	Cover Class	Height/units	Dominant Plant Species
Overstory:	<u>0</u> 1 2 3 4 5 6 7 8 9	_____	_____
Understory:	0 <u>1</u> 2 3 4 5 6 7 8 9	<u>&lt; 1m</u>	<u>Black gramma</u>
Herbaceous:	0 1 <u>2</u> 3 4 5 6 7 8 9	_____	_____
Bare soil/rock:	0 1 2 3 4 5 6 <u>7</u> 8 9	_____	_____
Litter layer:	<u>0</u> 1 2 3 4 5 6 7 8 9	_____	Slope <u>0</u> %

Notes: \_\_\_\_\_

	Date: <u>17 March 2017</u>	Date: _____	Date: _____
	Temp (°C): _____	Temp (°C): _____	Temp (°C): _____
	Precip (mm): <u>0</u>	Precip (mm): _____	Precip (mm): _____
	Trap # / species / NK #	Trap # / species / NK #	Trap # / species / NK #
Captures:	<u>YE 001 R. meq</u>	<u>YE 007 P. manic</u>	
	<u>YE 002 P. manic</u>	<u>008 R. meq</u>	
	<u>YE 003 P. manic</u>	<u>009 R. meq</u>	
	<u>YE 004 P. manic</u>	<u>010 P. manic</u>	
	<u>YE 005 P. manic</u>	<u>011 P. manic</u>	
	<u>YE 006 P. manic</u>	<u>012 P. manic</u>	
		<u>013 O. leuco</u>	
		<u>014 P. manic</u>	
Embryos:	Embryos:	Embryos:	

Total Captures: 6 Total Captures: 7 Total Captures: \_\_\_\_\_

# Trapline Datasheet

Locality: NM: Cibola Co, Confluence of Cejolla & Lobo Canyons  
 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_ m GPS Name \_\_\_\_\_ Datum: WG84 Max error: \_\_\_\_\_ m  
 Date set: 17 March 2017 Project/Collectors: JAC / BLM Small Mammal Survey

Trapline #. JAC Shermans: - Tomahawks: - Rat: - Mus Spec: 40 Macabies: - Pitfalls: -

	Cover Class	Height/units	Dominant Plant Species
Overstory:	<u>0</u> 1 2 3 4 5 6 7 8 9	_____	_____
Understory:	<u>0</u> 1 2 3 4 5 6 7 8 9	_____	_____
Herbaceous:	0 1 2 3 4 5 6 <u>7</u> 8 9	<u>250 mm</u>	<u>Bouteloua</u>
Bare soil/rock:	0 <u>1</u> 2 3 4 5 6 7 8 9	_____	_____
Litter layer:	0 <u>1</u> 2 3 4 5 6 7 8 9	_____	Slope _____ %

Notes: Set 100 m W of camp along roadside in grassy swale at edge of Piñon woodland, some large scattered boulders at edge of line

Captures:	Date: <u>18 March</u>	Date: <u>19 March</u>	Date: _____
	Temp (°C): <u>0° C</u>	Temp (°C): _____	Temp (°C): _____
	Precip (mm): <u>0</u>	Precip (mm): _____	Precip (mm): _____
	Trap # / species / NK #	Trap # / species / NK #	Trap # / species / NK #
	<u>B4 01 - Bu 07</u>	<u>Bu 014 R. meg</u>	
	<u>2 Reithrodontomys</u>	<u>015 "</u>	
	<u>4 Peromyscus maniculatus</u>	<u>016 "</u>	
	<u>1 P. truei</u>		
	<u>01 P. manic</u>		
	<u>02 R. meg</u>		
	<u>03 P. manic</u>		
	<u>04 P. truei</u>		
	<u>05 P. manic</u>		
	<u>06 R. meg</u>		
	<u>07 R. meg</u>		
	Embryos: _____	Embryos: _____	Embryos: _____

Total Captures: 7 Total Captures: 3 Total Captures: \_\_\_\_\_



# Trapline Datasheet

Locality: NM: Cibola Co, confluence of Cibola & Lobo Canyons  
 Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_ m GPS Name \_\_\_\_\_ Datum: WG84 Max error: \_\_\_\_\_ m  
 Date set: 17 March 2017 Project/Collectors: JAC, BLM Small Mammal Survey

Trapline #: 2 Shermans: 40 Tomahawks: 0 Rat: 20 Mus Spec: 20 Macabies: — Pitfalls: —

	Cover Class	Height/units	Dominant Plant Species
Overstory:	0 1 2 3 4 5 6 7 8 9	<u>5 m</u>	<u>Juniperus monosperma</u>
Understory:	0 1 2 3 4 5 6 7 8 9	_____	_____
Herbaceous:	0 1 2 3 4 5 6 7 8 9	_____	_____
Bare soil/rock:	0 1 2 3 4 5 6 7 8 9	<u>Rocks to 10m</u>	<u>Juniper dominant tree</u>
Litter layer:	0 1 2 3 4 5 6 7 8 9	_____	Slope _____ %

Notes: Lots of woodrat sign along rock face (petroglyphic)  
~ 8 rat traps set off in morning, many others missing bait

Date: <u>18 March 2017</u>	Date: _____	Date: _____
Temp (°C): <u>0°C</u>	Temp (°C): _____	Temp (°C): _____
Precip (mm): <u>0</u>	Precip (mm): _____	Precip (mm): _____
Trap # / species / NK #	Trap # / species / NK #	Trap # / species / NK #
<p style="text-align: center;">Bu 08 - Bu 12</p> <p style="text-align: center;">Peromyscus boylii?</p> <p>08 <i>P. manic</i></p> <p>09 <i>P. boylii</i></p> <p>10 <i>P. boylii</i></p> <p>11 <i>P. truei</i></p> <p>12 <i>P. boylii</i></p>	<p style="text-align: center;">Bu</p> <p style="text-align: center;">↓</p> <p>018 <i>P. truei</i></p> <p>019 <i>P. truei</i></p> <p>020 <i>N. albigula</i></p> <p>021 <i>P. boylii</i></p> <p>022 <i>P. boylii</i></p> <p>023 <i>P. flavus</i></p> <p>024 <i>P. boylii</i></p> <p>025 <i>P. flavus</i></p>	
Embryos: _____	Embryos: _____	Embryos: _____

Total Captures: 5                      Total Captures: 8                      Total Captures: \_\_\_\_\_

# Trapline Datasheet

Locality: Confluence of Lobo and Cebolla Canyons

Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_ m GPS Name \_\_\_\_\_ Datum: WG84 Max error: \_\_\_\_\_ m

Date set: 18 March 2017 Project/Collectors: BLM Rio Puerco & Malpais mammal project

Trapline #: MLC Shermans: 28 Tomahawks:     Rat: 27 Mus Spec:     Macabies:     Pitfalls:    

	Cover Class	Height/units	Dominant Plant Species
Overstory:	0 1 2 3 4 5 6 7 8 9	_____	_____
Understory:	0 1 2 3 4 5 6 7 8 9	_____	_____
Herbaceous:	0 1 2 3 4 5 6 7 8 9	_____	_____
Bare soil/rock:	0 1 2 3 4 5 6 7 8 9	_____	_____
Litter layer:	0 1 2 3 4 5 6 7 8 9	_____	Slope _____%

Notes: rocks along ridge side on east side of Lobo Canyon

Captures:	Date: <u>19 March 2017</u>	Date: _____	Date: _____
	Temp (°C): _____	Temp (°C): _____	Temp (°C): _____
	Precip (mm): _____	Precip (mm): _____	Precip (mm): _____
	Trap # / species / NK #	Trap # / species / NK #	Trap # / species / NK #
<p><u>wh</u></p> <p>009 <u>P. truei</u></p> <p>010 ↓</p> <p>011 ↓</p> <p>012 ↓</p> <p>013 ↓</p> <p>015 ↓</p> <p>016 <u>Spilogale gracilis</u></p> <p>017 <u>P. truei</u></p> <p>018 ↓</p> <p>019 ↓</p> <p>020 ↓</p>			
Embryos: _____	Embryos: _____	Embryos: _____	

Total Captures: 11                      Total Captures: \_\_\_\_\_                      Total Captures: \_\_\_\_\_

### TRAP TALLY FORM

Locality: USA/NM; Cibola co., north of Ceballos Canyon Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev: \_\_\_\_\_

Date: Est 17 March 2017

Project/Collector: BLM Prairie Dog Project

Trapline # (Initials-#)	# Traps			# Captures			Captures: (species collected)
	Sherm	Snap	Tom	Sherm	Snap	Tom	
JAC							
Subtotals:							

Total Trap Nights: \_\_\_\_\_ Total Captures: \_\_\_\_\_ Trap Success: \_\_\_\_\_ %

BAT NET DATA SHEET

Locality: USA/new Mexico/cibola co, mouth of cibola canon Lat: \_\_\_\_\_ Long: \_\_\_\_\_ Elev \_\_\_\_\_  
 Date: Set 17 March 2017 Collectors: \_\_\_\_\_  
 # of Nets: 2 x Length: 40 m x open @ 7:30 pm closed: 7:00 AM = 80 m/night open again  
 Moon Phase: \_\_\_\_\_ Rain: 0 hrs Wind: \_\_\_\_\_ hrs Temp: ~30°F 7:pm 18 Mar 2017  
 Notes: Set around water Tank, wrapped around 3 sides

Net #: 2  
 Habitat:  
 Canopy: 0 1 2 3 4 5 6 7 8 9  
 Understory: 0 1 2 3 4 5 6 7 8 9  
 Water: running; pond (size 3m circle)  
 Distance from water: NA  
 Roosting site: ?  
**Map it!**

Captures:

Species	Sex	Time	Bag #	NK #
L. noctivagans	F		290309	<del>290309</del>
L. noctivagans	F		290310	<del>290310</del>
L. noctivagans	M			290311
morning capture of 18 March 2017				
L. noctivagans	M		<del>271733</del>	271733
L. noctivagans	M			271734
L. noctivagans	F			271735
L. noctivagans	M			271736

Net #: \_\_\_\_\_  
 Habitat:  
 Canopy: 0 1 2 3 4 5 6 7 8 9  
 Understory: 0 1 2 3 4 5 6 7 8 9  
 Water: running pond (size \_\_\_\_\_ x \_\_\_\_\_)  
 Distance from water: \_\_\_\_\_  
 Roosting site: \_\_\_\_\_  
**Map it!**

Captures:

Species	Sex	Time	Bag #	NK #