Rosebud Battlefield State Park

2004 Small Mammal Trapping and Species Inventory Report

Montana Fish, Wildlife, and Parks (MFWP)
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August 7-12, 2004

Rosebud Battlefield State Park is located 25 miles east of Crow Agency in southeastern Montana. This 3,000-acre rolling prairie park was the site of the June 17, 1876, battle between the Sioux and Cheyenne Indians and General Crook's soldiers. The park is very quiet, as it is quite remote and undeveloped. The park also contains prehistoric sites and the homestead and ranch of the Kobold family.

Findings: 127 Captures of 12 Species

- Small mammal trapping lines (Table 3)
  -112 captures of 8 species
- Mistnet (Table 4)
  -2 captures of 2 species
- Funnel Trap (Table 4)
  -13 captures of 2 species
- Large Fox Cage (Table 4)
  -0 captures

Table 1. Trapline/Trapsite Location and Habitat Type

(Trapped with other areas, thus traplines do not originate at 1)

Location #	Name	Habitat
5	line 5	riparian
6	line 6	upland grassland/conifer
7	line 7	upland sage
8	line 8	upland shrub
9	line 9	upland grassland/conifer
10	line 10	riparian
11	Netsite1	Conifer
12	Fox1	Riparian
13	Fox2	Upland Sagebrush
14	Fox3	Upland Sagebrush
15	Fox4	upland grassland/conifer
16	Funnel 1	Riparian
17	Funnel 2	Riparian

Table 2. Capture Summary

	Trapline						**Netsite**	**Funnel**		
Species Captured	**5**	**6**	**7**	**8**	**9**	**10**	**1**	**1**	**2**	**Total**
Tiger Salamander								4	7	11
Northern Leopard Frog								1	1	2
Dark-Eyed Junco		1								1
Long-Eared Myotis							1			1
Big Brown Bat							1			1
Thirteen-Lined Ground Squirrel		1	1		1					3
Western Harvest Mouse	1									1
Deer Mouse	28	9	6	8	19	3				73
Meadow Vole			1			10				11
Prairie Vole			2	1						3
Meadow Jumping Mouse	1									1
Unknown Shrew						19				19
Total Captures	30	11	10	9	20	32	2	5	8	**127**

Table 3. Trapline Summary

Trap Type	Trapline 5	6	7	8	9	10	Total Trap Nights	Total Captures	Captures/100 Trap Nights	Number of Species
Snap, small (victor)	47	41	44	48	49	47	276	16	5.8	5
Snap, med (museum special)	42	41	46	46	45	45	265	59	22.3	5
Snap, large (rat)	10	10	10	10	10	9	59	2	3.4	2
Cage, small (sherman)	49	49	48	50	47	48	291	19	6.5	3
Cage, med (skunk)	10	10	10	10	10	10	60	0	0	0
Pitfall	25	25	25	25	25	25	150	16	10.7	3
Total Trap Nights	183	176	183	189	186	184	1101			
Total Captures	30	11	10	9	20	32	11.2			
Captures/100 Trap Nights	16.4	6.3	5.5	4.8	10.8	17.4				
Number of Species	3	3	4	2	2	3				

Table 4. Trapsite Summary

Trap Type	Total Trap Nights	Total Captures	Captures/100 Trap Nights	Number of Species
Cage, large	20	0	0	0
Mistnet	4	2	50	2
Funnel Trap	10	13	130	2

Table 5. Miscellaneous Species Observed

Northern Leopard Frog
Mallard
Northern Harrier
American Kestrel
Sharp-tailed Grouse
Sandhill Crane
Killdeer
Upland Sandpiper
Mourning Dove
Common Poorwill
Eastern Kingbird
Tree Swallow
Violet-green Swallow
Cliff Swallow
Black-capped Chickadee
American Robin
Yellow Warbler
Western Meadowlark
American Goldfinch
Desert Cottontail
Coyote
Black Bear
Mule Deer
Pronghorn
Western Terrestrial Garter Snake
Western Rattlesnake

Larval Tiger Salamander

Western Rattlesnake

Black Bear

Trapline Photos

Trapline 5

Trapline 6

Trapline 7

Trapline 8

Trapline 9

Trapline 10

Photo Credits: MFWP staff unless otherwise noted.

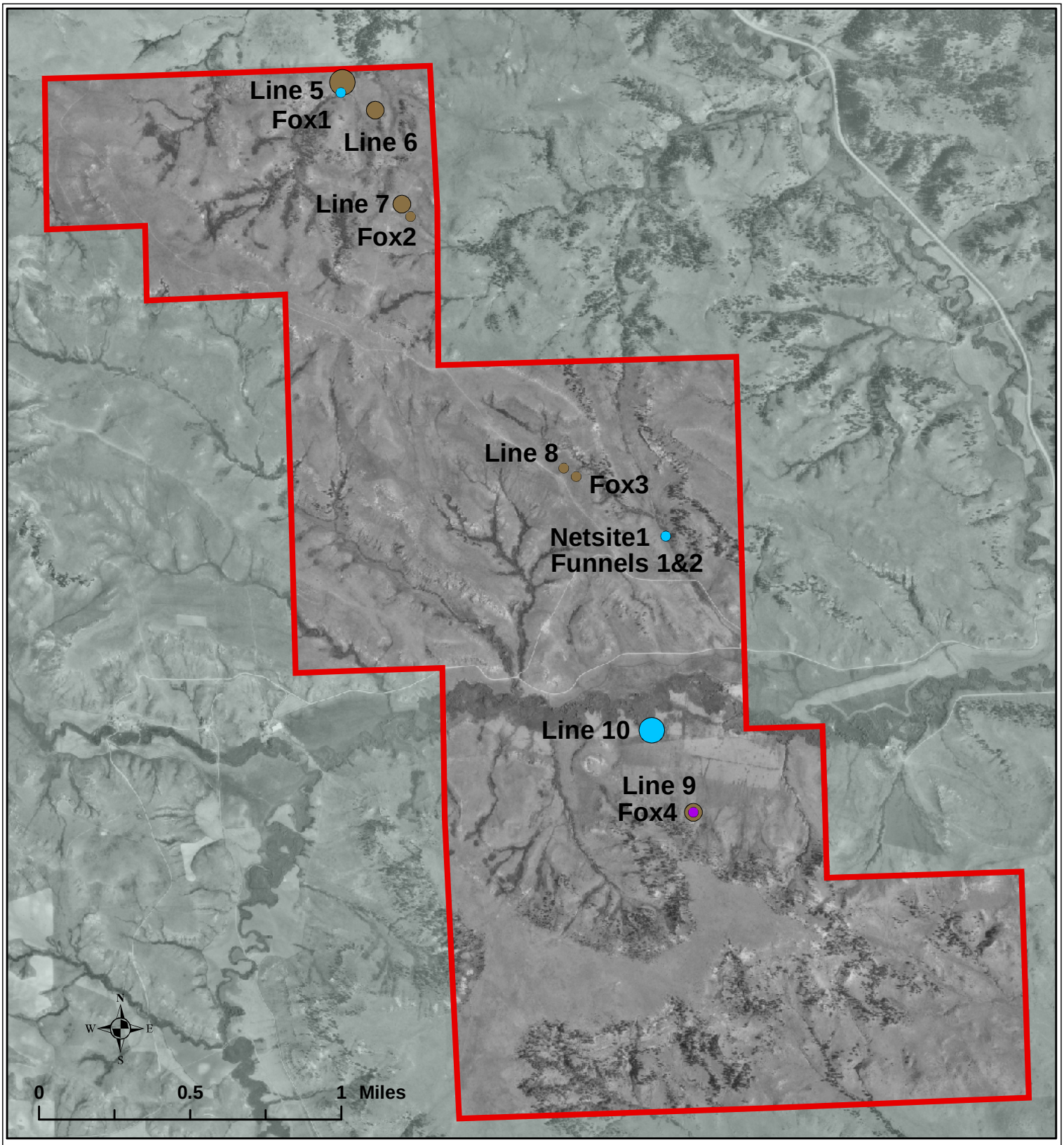
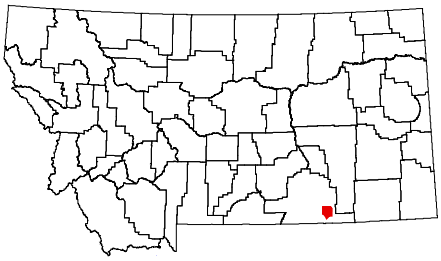


Figure 1:

Rosebud Battlefield SP

Small Mammal Survey Site



Trapping Locations

General Landcover (Symbol color)

- Agriculture
- Barren / Badlands
- Broadleaf Forest
- Conifer Forest
- Grassland
- Riparian
- Shrub Grassland

* Not all landcover types were sampled at all sites.

Captures/100 trapnights (Symbol size)

* only calculated for trap lines

- 0 - 5
- >5 - 15
- >15

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