Dome Mountain Wildlife Management Area

2005 Small Mammal Trapping and Species Inventory Report

Montana Fish, Wildlife, and Parks (MFWP)
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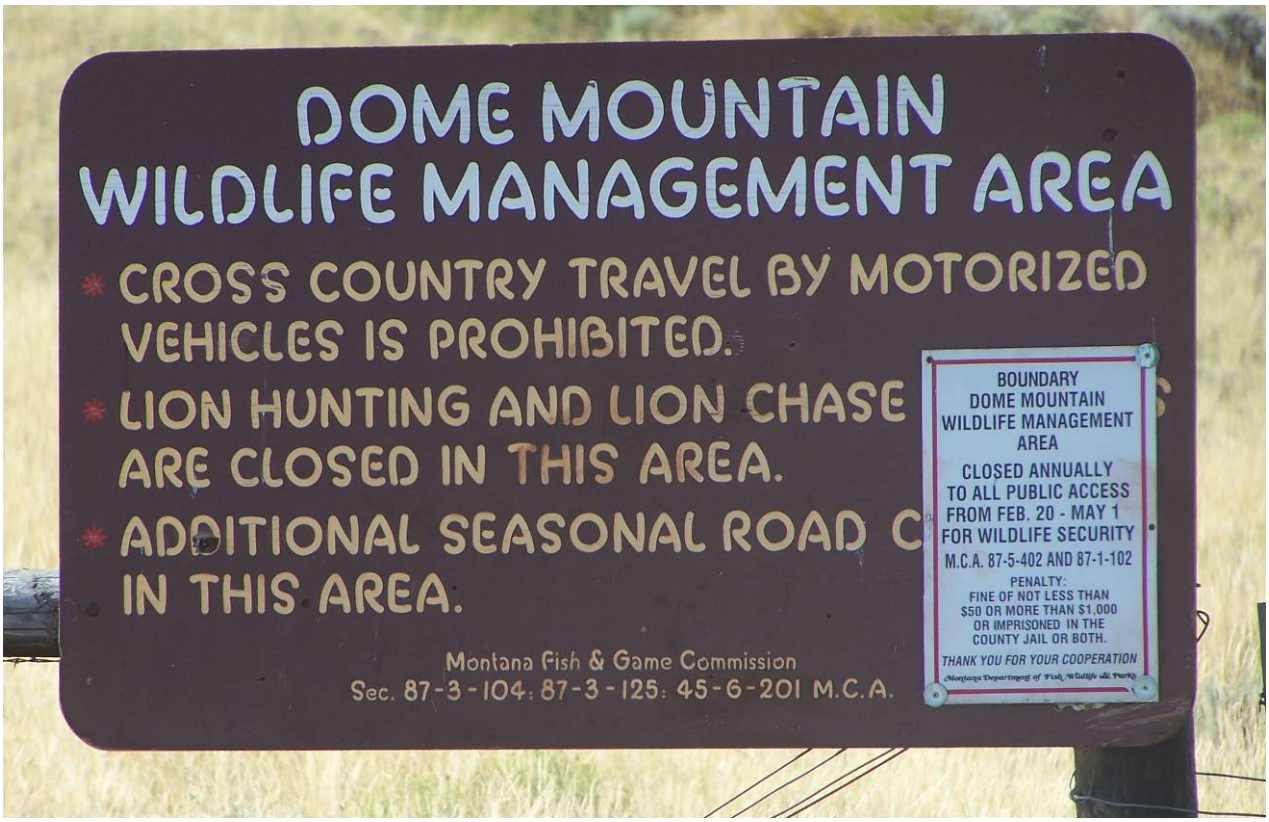
August 3-7, 2005



Findings

- **<u>7</u> Major habitats Surveyed (Table 1)**
- **<u>177</u> Captures, <u>14</u> Species (Table 2 and 3)**
- **<u>46</u> Species Observed (Table 4)**

Table 1. Trapping Location and Habitat Type

Location #	Name	Habitat
1	Line 1	Cliff base w/ grass & shrub
2	Line 2	Cliff base w/ grass & shrub
3	Line 3	Grassland
4	Line 4	Marsh edge
5	Line 5	Marsh edge
6	Line 6	Shrub grass edge
7	Line 7	Shrub grass edge
8	Line 8	Alfalfa field
9	Line 9	Alfalfa field
10	Line 10	Grassland
11	Line 11	Aspen edge
12	Line 12	Aspen edge
13	Fox trap 1	Shrub grass edge
14	Fox trap 2	Aspen edge
15	Camera 1	Shrub tunnel
16	Camera 2	Aspen
17	Mistnet 1	Aspen edged road
18	Mistnet 2	Irrigation pond flanked by aspen

Deer Mouse

Table 2. Captures Summary

Species Captured		Trapline																		
Latin Name	**Common Name**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**Total**
Hirundo Rustica	Barn Swallow																		1	1
Pica Hudsonia	Black-billed Magpie									1										1
Passerculus Sandwichensis	Savannah Sparrow					1														1
Sorex Cinereus	Masked Shrew						2	3			1	1	6							13
Sorex Monticolus	Montane Shrew				2	1	9	5				7	6							30
Myotis Spp.	Myotis Spp.																	1	5	6
Myotis Ciliolabrum	Western Small-footed Myotis																		1	1
Thomomys Talpoides	Northern Pocket Gopher											1								1
Peromyscus Maniculatus	Deer Mouse	13	24	9	2	6	1	1	8	8	14	10	6							102
Microtus Pennsylvanicus	Meadow Vole				1	3	2					3	1							10
Microtus Montanus	Montane Vole										1	2	1							4
Microtus Longicaudus	Long-tailed Vole					1							1							2
Ursus Americanus	Black Bear																1			1
Mephitis Mephitis	Striped Skunk							3		1										4
Total Captures		13	24	9	5	12	14	12	8	10	16	24	21	0	0	0	1	1	7	177

Table 3. Trapline Summary

	Trapline																					
Trap Type	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**Total Trap Nights**	**Total Captures**	**Captures/100 Trap Nights**	**Number of Species**
Snap, small (victor)	48	69	46	48	49	50	48	71	48	45	48	50	0	0	0	0	0	0	620	35	5.6	4
Snap, med (museum special)	66	47	46	52	48	46	46	40	65	40	37	49	0	0	0	0	0	0	582	60	10.3	6
Snap, large (rat)	9	8	10	9	10	10	10	10	10	10	10	10	0	0	0	0	0	0	116	2	1.7	2
Cage, small (sherman)	50	49	50	50	49	50	49	50	49	79	49	50	0	0	0	0	0	0	624	29	4.6	2
Cage, med (skunk)	10	10	10	10	10	10	10	10	8	10	10	10	0	0	0	0	0	0	118	4	3.4	1
Cage, large	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	10	0	0.0	0
Mistnet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	8	400.0	3
Pitfall	0	0	25	25	25	25	25	0	5	0	25	25	0	0	0	0	0	0	180	38	21.1	7
Funnel Trap	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0	0	0	0	10	0	0.0	0
Total Trap Nights	183	183	187	194	191	191	188	181	185	184	179	194	5	5	5	5	1	1	2262			
Total Captures	13	24	9	5	12	14	12	8	10	16	24	21	0	0	0	1	1	7				
Captures/100 Trap Nights	7.1	13.1	4.81	2.58	6.28	7.33	6.38	4.42	5.41	8.7	13.4	10.8	0	0	0	20	100	700				
Number of Species	1	1	1	3	5	4	4	1	3	3	6	6	0	0	0	1	1	3				

Table 4. Miscellaneous Species Observed

Latin Name	Common Name
Podilymbus Podiceps	Pied-billed Grebe
Aechmophorus	Western Grebe
Ardea Herodias	Great Blue Heron
Anas Crecca	Green-winged Teal
Anas Platyrhynchos	Mallard
Anas Acuta	Northern Pintail
Aythya Americana	Redhead
Oxyura Jamaicensis	Ruddy Duck
Pandion Haliaetus	Osprey
Circus Cyaneus	Northern Harrier
Buteo Jamaicensis	Red-tailed Hawk
Aquila Chrysaetos	Golden Eagle
Falco Sparverius	American Kestrel
Tympanuchus	Sharp-tailed Grouse
Fulica Americana	American Coot
Grus Canadensis	Sandhill Crane
Charadrius Vociferus	Killdeer
Recurvirostra Americana	American Avocet
Actitis Macularia	Spotted Sandpiper
Calidris Alba	Sanderling
Larus Delawarensis	Ring-billed Gull
Bubo Virginianus	Great Horned Owl
Chordeiles Minor	Common Nighthawk
Sphyrapicus Nuchalis	Red-naped Sapsucker
Picoides Villosus	Hairy Woodpecker
Tyrannus Verticalis	Western Kingbird
Eremophila Alpestris	Horned Lark
Tachycineta Bicolor	Tree Swallow
Tachycineta Thalassina	Violet-green Swallow
Petrochelidon Pyrrhonota	Cliff Swallow
Hirundo Rustica	Barn Swallow
Pica Hudsonia	Black-billed Magpie
Corvus Brachyrhynchos	American Crow
Corvus Corax	Common Raven
Poecile Gambeli	Mountain Chickadee
Salpinctes Obsoletus	Rock Wren
Sialia Currucoides	Mountain Bluebird
Turdus Migratorius	American Robin

Dendroica Petechia	Yellow Warbler
Agelaius Phoeniceus	Red-winged Blackbird
Sturnella Neglecta	Western Meadowlark
Xanthocephalus	Yellow-headed Blackbird
Euphagus Cyanocephalus	Brewer's Blackbird
Carduelis Tristis	American Goldfinch
Odocoileus Hemionus	Mule Deer
Odocoileus Virginianus	White-tailed Deer

Long-eared Myotis

Trapline Photos

Trapline 1

Trapline 2

Trapline 3

Trapline 4

Trapline 5

Trapline 6

Trapline 7, 13, & 15

Trapline 8

Trapline 9

Trapline 10

Trapline 11, 14, &17

Trapline 12 & 16

Trapline 18: No photograph available.

Photo Credits: MFWP staff unless otherwise noted

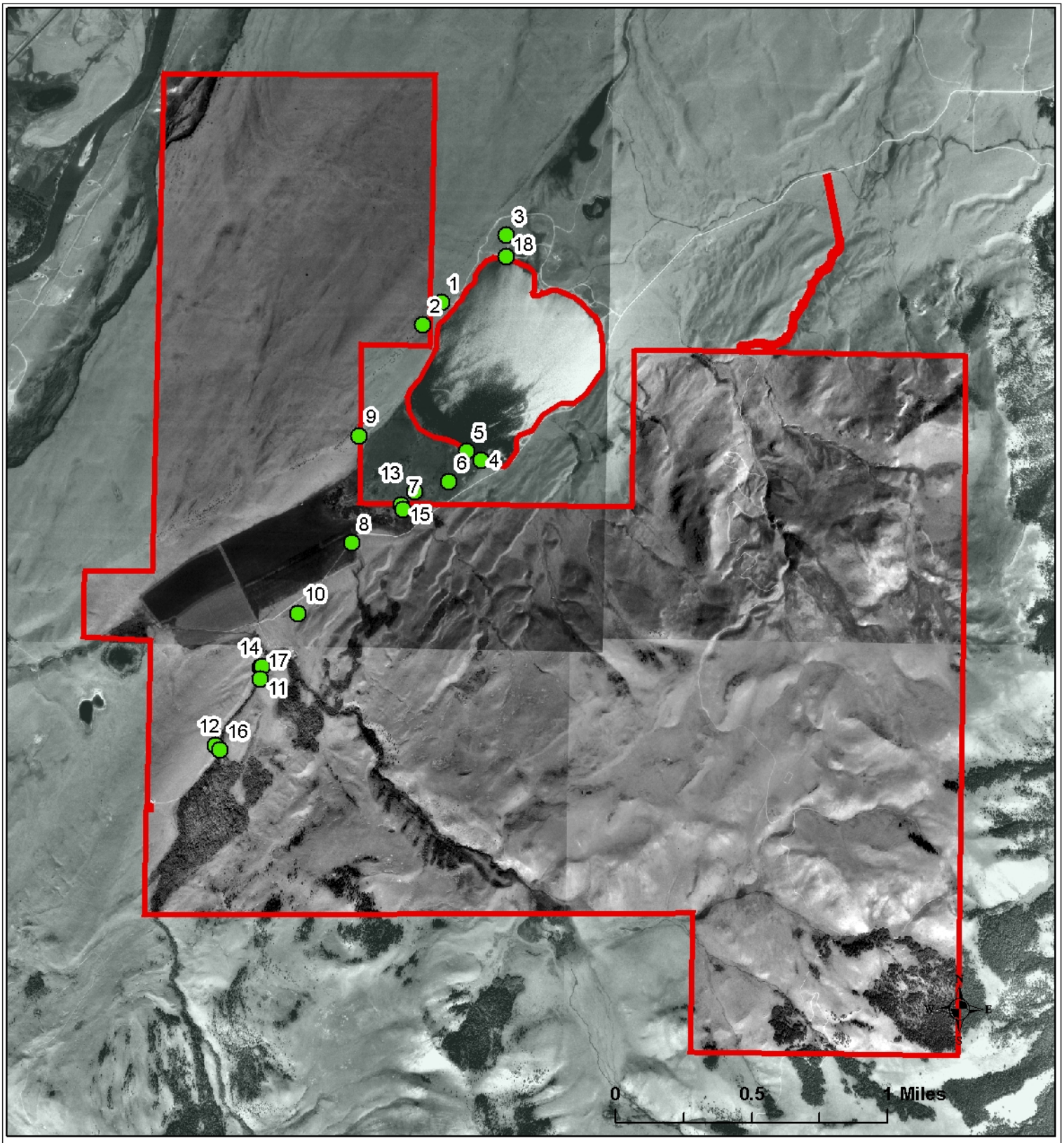


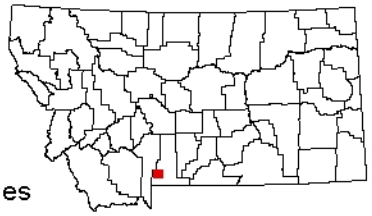
Figure 1: **Dome Mountain Wildlife Management Area**

Trapping locations

Montana Fish, Wildlife & Parks

N

0 0.5 Miles



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