Ray Kuhns Wildlife Management Area

2006 Small Mammal Trapping and Species Inventory Report

Montana Fish, Wildlife, and Parks (MFWP)
Steve Carson, Hillary Welsh and Brandy Murray
July 3-9, 2006

Findings

- **5 Major habitats Surveyed (Table 1)**
- **88 Captures, 10 Species (Table 2 and 3)**
- **45 Species Observed (Table 4)**

Table 1. Trapline Location and Habitat Type

Survey Site: Ray Kuhns WMA

Location #	Name	Habitat
1	Line 1/Bowser Lake	Riparian area of alkaline lake
2	Line 2/Bowser Lake	Riparian area of alkaline lake
3	Line 3	Tall grass meadow with scattered ponderosa pine
4	Line 4	Tall grass meadow with scattered ponderosa pine
5	Line 5	Shruby understory of old growth coniferous forest
6	Line 6	Shruby understory of old growth coniferous forest
7	Line 7	Short grass/shrub understory of coniferous forest
8	Line 8	Short grass/shrub understory of coniferous forest
9	Line 9	Steep riparian/stream edge with grass/decaying log
10	Line 10	Steep riparian/stream edge with grass/decaying log

Great Horned Owl

Table 2. Captures Summary

Species Captured		Trapline										
Latin Name	Common Name	1	2	3	4	5	6	7	8	9	10	Total Captures
Junco Hyemalis	Dark-eyed Junco									1		1
Sorex Cinereus	Masked Shrew							2				2
Sorex Vagrans	Vagrant Shrew				1						1	2
Sorex Monticolus	Montane Shrew				1							1
Tamias Amoenus	Yellow-pine Chipmunk				5	3	1	6	2			17
Spermophilus Columbianus	Columbian Ground Squirrel	2	3				1					6
Thomomys Talpoides	Northern Pocket Gopher			1								1
Peromyscus Maniculatus	Deer Mouse		1	1	3	6	9			1	2	23
Microtus Pennsylvanicus	Meadow Vole		2	19	10		1		1			33
Mephitis Mephitis	Striped Skunk				2							2
Total Captures		2	6	21	22	9	12	8	3	2	3	88

Table 3. Trapline Summary

	Trapline													
Trap Type	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Total Trap Nights**	**Total Captures**	**Captures/100 Trap Nights**	**Number of Species**
Snap, small (victor)	47	52	42	38	38	40	38	42	40	39	416	18	4.3	7
Snap, med (museum special)	33	39	27	24	39	37	33	31	36	30	329	33	10.0	4
Snap, large (rat)	9	10	9	10	10	10	10	8	9	10	95	0	0.0	0
Cage, small (sherman)	49	49	42	47	48	44	41	46	45	46	457	23	5.0	3
Cage, med (skunk)	8	10	10	10	9	9	10	9	10	9	94	8	8.5	2
Pitfall	22	25	25	24	25	25	25	25	24	25	245	6	2.4	3
Mistnet	2	0	0	0	0	0	0	0	0	0	2	0	0.0	0
Total Trap Nights	170	185	155	153	169	165	157	161	164	159	1638			
Total Captures	2	6	21	22	9	12	8	3	2	3				
Captures/100 Trap Nights	1.2	3.2	13.5	14.4	5.3	7.3	5.1	1.9	1.2	1.9				
Number of Species	1	3	3	6	2	4	2	2	2	2				

Table 4. Miscellaneous Species Observed

Latin Name	Common Name
Ardea Herodias	Great Blue Heron
Branta Canadensis	Canada Goose
Lophodytes Cucullatus	Hooded Merganser
Mergus Merganser	Common Merganser
Cathartes Aura	Turkey Vulture
Haliaeetus Leucocephalus	Bald Eagle
Buteo Jamaicensis	Red-tailed Hawk
Grus Canadensis	Sandhill Crane
Charadrius Vociferus	Killdeer
Sphyrapicus Nuchalis	Red-naped Sapsucker
Picoides Pubescens	Downy Woodpecker
Picoides Villosus	Hairy Woodpecker
Colaptes Auratus	Northern Flicker
Contopus Sordidulus	Western Wood-pewee
Empidonax Traillii	Willow Flycatcher
Tyrannus Tyrannus	Eastern Kingbird
Tachycineta Thalassina	Violet-green Swallow
Stelgidopteryx Serripennis	Northern Rough-winged Swallow
Riparia Riparia	Bank Swallow
Petrochelidon Pyrrhonota	Cliff Swallow
Hirundo Rustica	Barn Swallow
Perisoreus Canadensis	Gray Jay
Corvus Brachyrhynchos	American Crow
Corvus Corax	Common Raven
Poecile Atricapilla	Black-capped Chickadee
Poecile Gambeli	Mountain Chickadee
Regulus Calendula	Ruby-crowned Kinglet
Sialia Currucoides	Mountain Bluebird
Catharus Ustulatus	Swainson's Thrush
Turdus Migratorius	American Robin
Dumetella Carolinensis	Gray Catbird
Bombycilla Cedrorum	Cedar Waxwing
Spizella Passerina	Chipping Sparrow
Pooecetes Gramineus	Vesper Sparrow
Melospiza Melodia	Song Sparrow
Zonotrichia Leucophrys	White-crowned Sparrow
Junco Hyemalis	Dark-eyed Junco
Molothrus Ater	Brown-headed Cowbird
Carduelis Pinus	Pine Siskin
Tamiasciurus Hudsonicus	Red Squirrel
Castor Canadensis	American Beaver
Neotoma Cinerea	Bushy-tailed Woodrat
Ondatra Zibethicus	Muskrat
Odocoileus Virginianus	White-tailed Deer
Alces Alces	Moose

Trapline Photos

Trapline 1

Trapline 2

Trapline 3

Trapline 4

Trapline 5

Trapline 6

Trapline 7

Trapline 8

Trapline 9

Trapline 10

Photo Credits: MFWP staff unless otherwise noted.

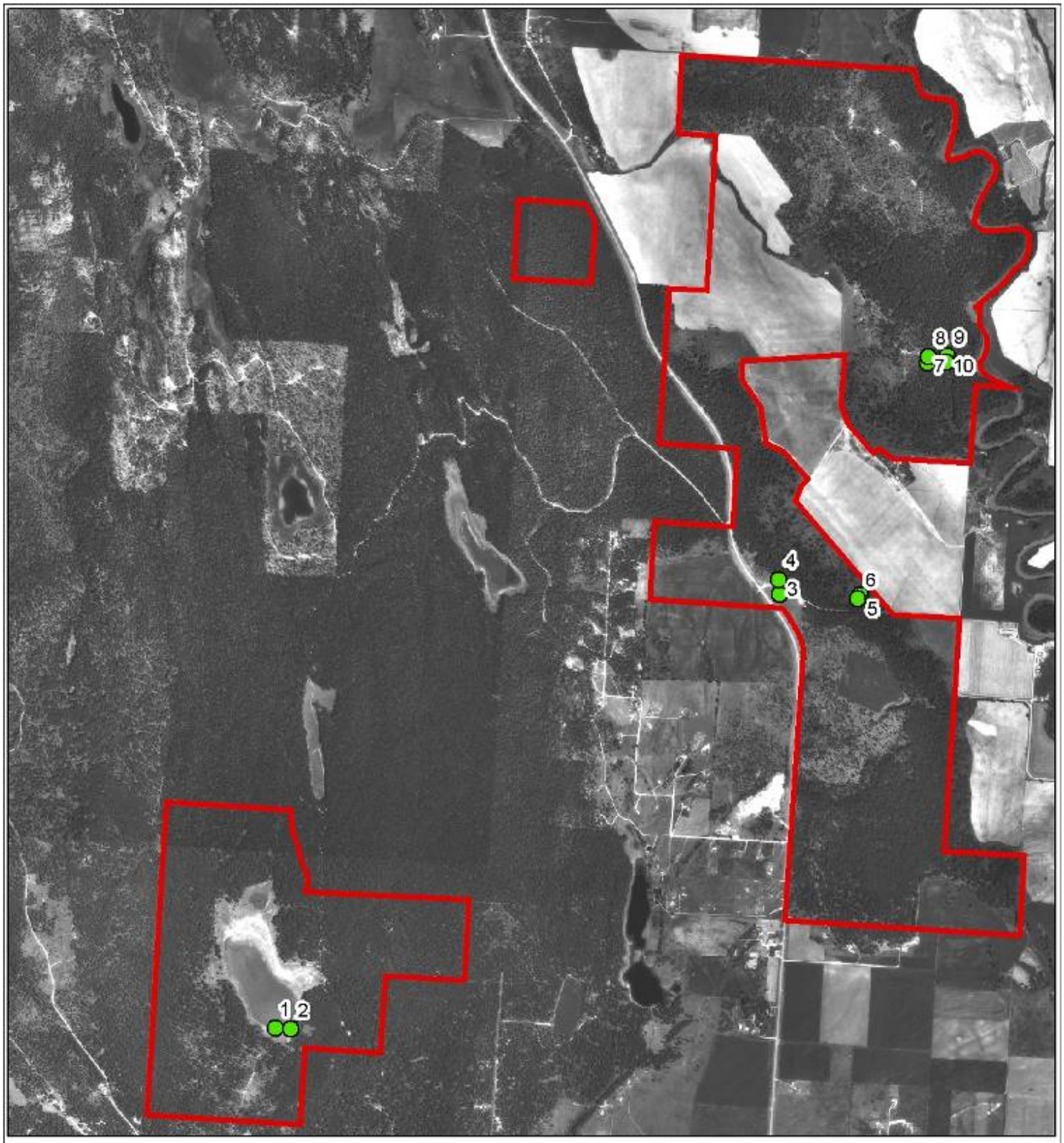

Figure 1: **Ray Kuhns Wildlife Management Area**

Trapping locations

N

Montana Fish, Wildlife & Parks

0 0.5 1 Miles

9/2006 SJC W:\Wildlife\SWIG_PROJECTS\SmallMammalSurveys\Project_data