Judith River Wildlife Management Area

2005 Small Mammal Trapping and Species Inventory Report

Montana Fish, Wildlife, and Parks (MFWP)
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August 16- 21, 2005

Mountain Cottontail

Findings

- **8 Major habitats Surveyed (Table 1)**
- **97 Captures, 17 Species (Table 2 and 3)**
- **25 Species Observed (Table 4)**

Table 1. Trapline number and habitat type

Location #	Name	Habitat
1	Line 1	Grassland
2	Line 2	Decidous
3	Line 3	Riparian
4	Line 4	Coniferous/burn
5	Line 5	Cliff
6	Line 6	Cliff
7	Line 7	Riparian
8	Line 8	Coniferous
9	Line 9	Coniferous
10	Line 10	Grassland/riparian
11	Line 11	Dry shrubland
12	Line 12	Coniferous saplings
13	Line 13	Rocky shrubland
14	Line 14	Cliff
15	Funnels	Riparian

Western Terrestrial Garter Snake

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	**Total**
Ambystoma Tigrinum	Tiger Salamander															4	4
Passerculus Sandwichensis	Savannah Sparrow		2														2
Sorex Cinereus	Masked Shrew			2							1						3
Sorex Preblei	Preble's Shrew									1		1	1				3
Sorex Monticolus	Montane Shrew			1		1		2									4
Sylvilagus Nuttallii	Mountain Cottontail						2								1		3
Tamias Amoenus	Yellow-pine Chipmunk					3			1						3		7
Spermophilus Richardsonii	Richardson's Ground Squirrel	1															1
Tamiasciurus Hudsonicus	Red Squirrel				1				1								2
Peromyscus Maniculatus	Deer Mouse	3	9		3	3	16	1					5	2	7		49
Peromyscus Leucopus	White-footed Mouse				1									1			2
Onychomys Leucogaster	Northern Grasshopper Mouse	1															1
Neotoma Cinerea	Bushy-tailed Woodrat						1										1
Microtus Pennsylvanicus	Meadow Vole		3	3	1			1		1	1						10
Microtus Montanus	Montane Vole		2	1													3
Zapus Princeps	Western Jumping Mouse							1									1
Canis Latrans	Coyote													1			1
Total Captures		5	16	7	6	7	19	5	2	2	2	1	6	4	11	4	97

Table 3. Trapline Summary

	Trapline																		
Trap Type	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**Total Trap Nights**	**Total Captures**	**Captures/100 Trap Nights**	**Number of Species**
Snap, small (victor)	46	48	42	49	48	47	45	50	34	38	40	38	20	0	0	545	14	2.6	4
Snap, med (museum special)	41	40	34	47	48	37	43	48	29	32	32	33	14	0	0	478	32	6.7	10
Snap, large (rat)	10	10	10	10	10	10	10	10	6	8	8	8	4	2	0	116	1	0.9	1
Cage, small (sherman)	48	50	49	49	50	46	50	50	40	40	39	40	20	18	0	589	36	6.1	8
Cage, med (skunk)	10	10	10	10	10	7	10	10	8	8	8	8	0	0	0	109	2	1.8	2
Pitfall	25	25	25	25	25	0	25	25	20	20	20	20	0	0	0	255	7	2.7	5
Funnel Trap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	4	80.0	1
Total Trap Nights	180	183	170	190	191	147	183	193	137	146	147	147	58	20	5	2097			
Total Captures	5	16	7	6	7	19	5	2	2	2	1	6	3	11	4				
Captures/100 Trap Nights	2.8	8.7	4.1	3.2	3.7	12.9	2.7	1.0	1.5	1.4	0.7	4.1	5.2	55.0	80.0				
Number of Species	3	4	4	4	3	3	4	2	2	2	1	2	2	3	1				

Table 4. Miscellaneous Species Observed

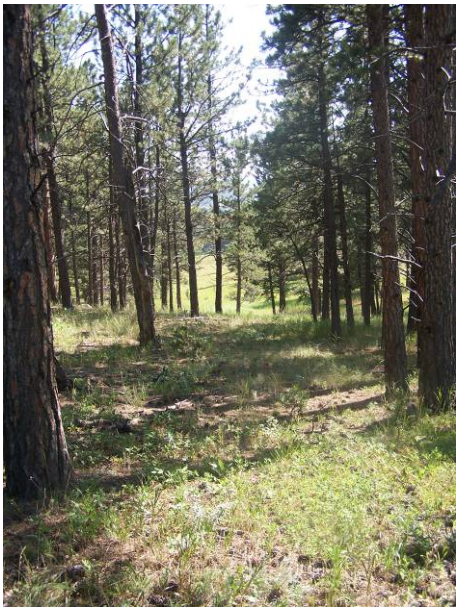
Latin Name	Common Name
Anas platyrhynchos	Mallard
Circus cyaneus	Northern Harrier
Buteo jamaicensis	Red-tailed Hawk
Aquila chrysaetos	Golden Eagle
Grus canadensis	Sandhill Crane
Charadrius vociferus	Killdeer
Zenaida macroura	Mourning Dove
Chordeiles minor	Common Nighthawk
Colaptes auratus	Northern Flicker
Tachycineta bicolor	Tree Swallow
Nucifraga columbiana	Clark's Nutcracker
Corvus brachyrhynchos	American Crow
Poecile atricapilla	Black-capped Chickadee
Sitta canadensis	Red-breasted Nuthatch
Sialia currucoides	Mountain Bluebird
Turdus migratorius	American Robin
Pooecetes gramineus	Vesper Sparrow
Passerculus sandwichensis	Savannah Sparrow
Junco hyemalis	Dark-eyed Junco
Sylvilagus nuttallii	Mountain Cottontail
Thomomys talpoides	Northern Pocket Gopher
Erethizon dorsatum	Common Porcupine
Canis latrans	Coyote
Antilocapra americana	Pronghorn
Thamnophis elegans	Western Terrestrial Garter Snake

Trapline Photos

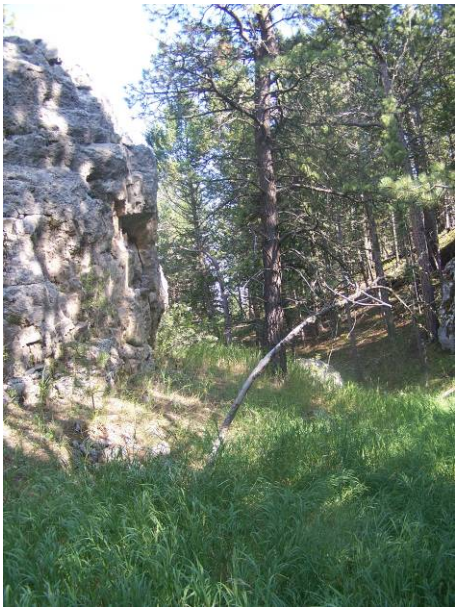
Trapline 1

Trapline 2

Trapline 3



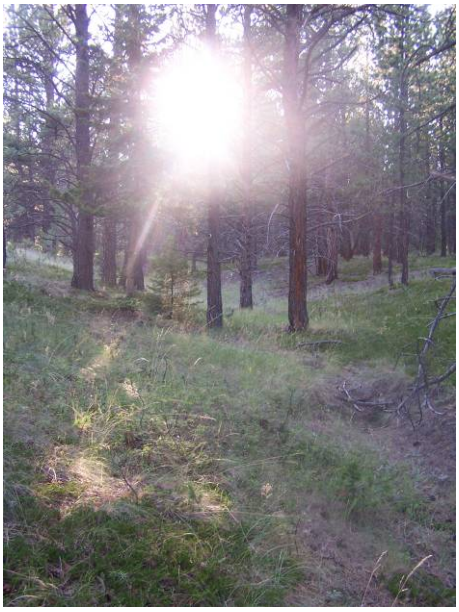
Trapline 4



Trapline 5

Trapline 6

Trapline 7



Trapline 8

Trapline 9

Trapline 10

Trapline 12

Trapline 13

Trapline 14

Photo Credits: MFWP staff unless otherwise noted.

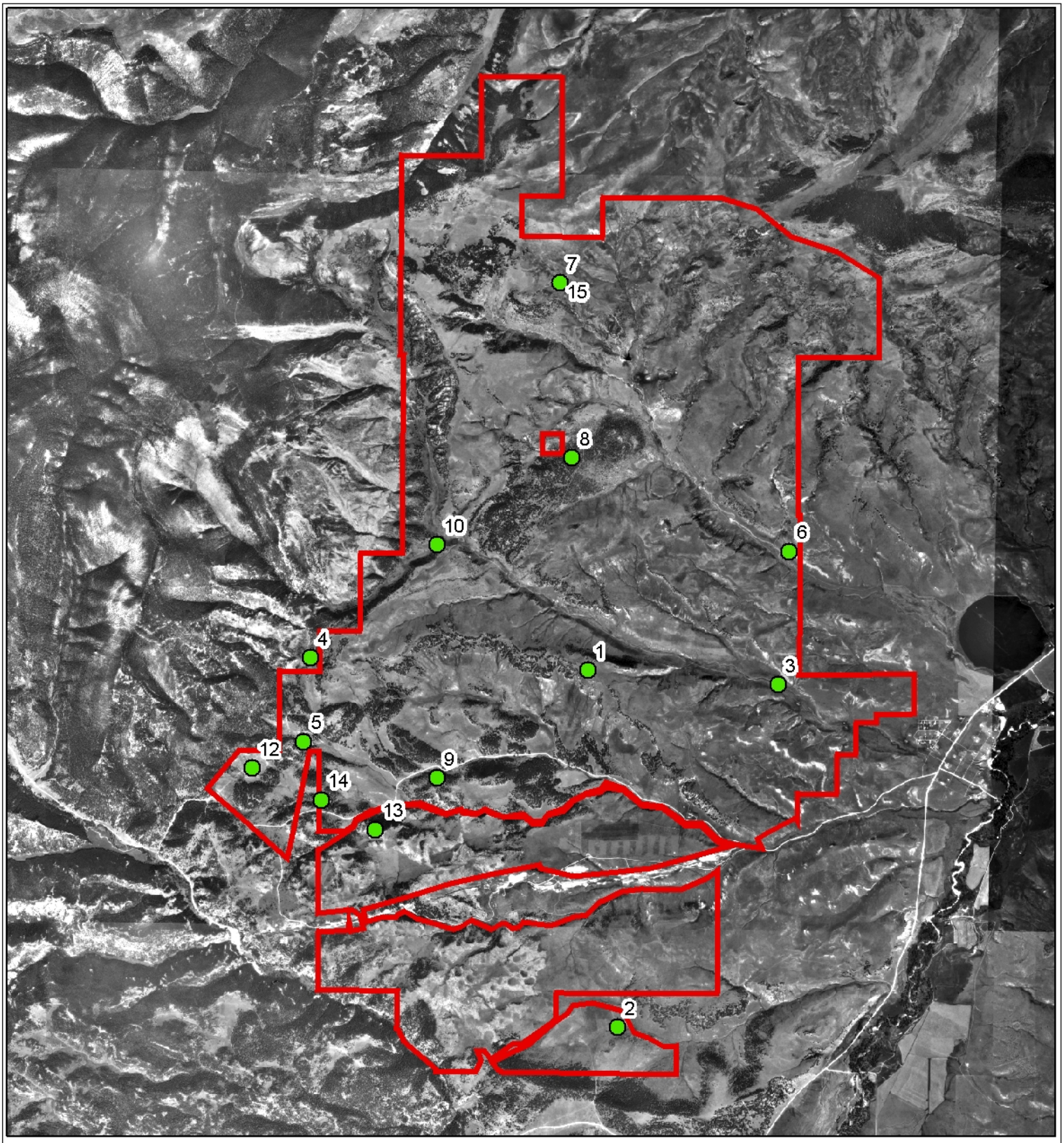


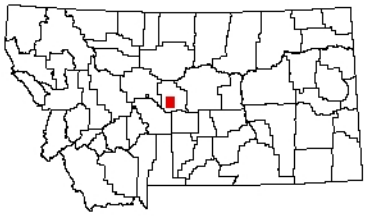
Figure 1: **Judith River Wildlife Management Area**

Trapping locations

Montana Fish, Wildlife & Parks

N

0 0.5 Miles



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