Big Lake Wildlife Management Area

2005 Small Mammal Trapping and Species Inventory Report

Montana Fish, Wildlife, and Parks (MFWP)
Steve Carson, Kelsey Dalton, and Hillary Welsh
July 6-11, 2005

Killdeer

Findings

- **4 Major habitats Surveyed (Table 1)**
- **37 Captures, 2 Species (Table 2 and 3)**
- **18 Species Observed (Table 4)**

Table 1. Trapping Location and Habitat Type

Location #	Name	Habitat
1	Line 1	Dry stream bed
2	Line 2	Dry lake bed
3	Line 3	Grassland
4	Line 4	Greasewood
5	Line 5	Greasewood
6	Line 6	Grassland

Pronghorn

Table 2. Captures Summary

Species Captured		Trapline						
Latin Name	Common Name	1	2	3	4	5	6	**Total**
Reithrodontomys Megalotis	Western Harvest Mouse					1		1
Peromyscus Maniculatus	Deer Mouse	7	7	1	10	7	4	36
Total Captures		7	7	1	10	8	4	37

Table 3. Trapline Summary

	Trapline									
Trap Type	**1**	**2**	**3**	**4**	**5**	**6**	**Total Trap Nights**	**Total Captures**	**Captures/100 Trap Nights**	**Number of Species**
Snap, small (victor)	50	46	49	49	50	47	291	4	1.4	1
Snap, med (museum special)	48	49	47	46	41	39	270	20	7.4	2
Snap, large (rat)	10	10	10	10	10	10	60	0	0.0	0
Cage, small (sherman)	49	49	50	50	50	49	297	10	3.4	1
Cage, med (skunk)	10	10	10	10	10	10	60	0	0.0	0
Pitfall	25	25	25	25	25	25	150	3	2.0	1
Total Trap Nights	192	189	191	190	186	180	1128			
Total Captures	7	7	1	10	8	4				
Captures/100 Trap Nights	3.65	3.7	0.52	5.26	4.3	2.22				
Number of Species	1	1	1	1	2	1				

Table 4. Miscellaneous Species Observed

Latin Name	Common Name
Anas Discors	Blue-winged Teal
Anas Strepera	Gadwall
Circus Cyaneus	Northern Harrier
Perdix Perdix	Gray Partridge
Fulica Americana	American Coot
Charadrius Vociferus	Killdeer
Recurvirostra Americana	American Avocet
Asio Flammeus	Short-eared Owl
Eremophila Alpestris	Horned Lark
Turdus Migratorius	American Robin
Pooecetes Gramineus	Vesper Sparrow
Calamospiza Melanocorys	Lark Bunting
Sturnella Neglecta	Western Meadowlark
Molothrus Ater	Brown-headed Cowbird
Spermophilus Richardsonii	Richardson's Ground Squirrel
Odocoileus Hemionus	Mule Deer
Antilocapra Americana	Pronghorn
Coluber Constrictor	Racer

Fledgling Vesper Sparrow

Trapline Photos

Trapline 1

Trapline 2

Trapline 3

Trapline 4

Trapline 5

Trapline 6

Photo Credits: MFWP staff unless otherwise noted

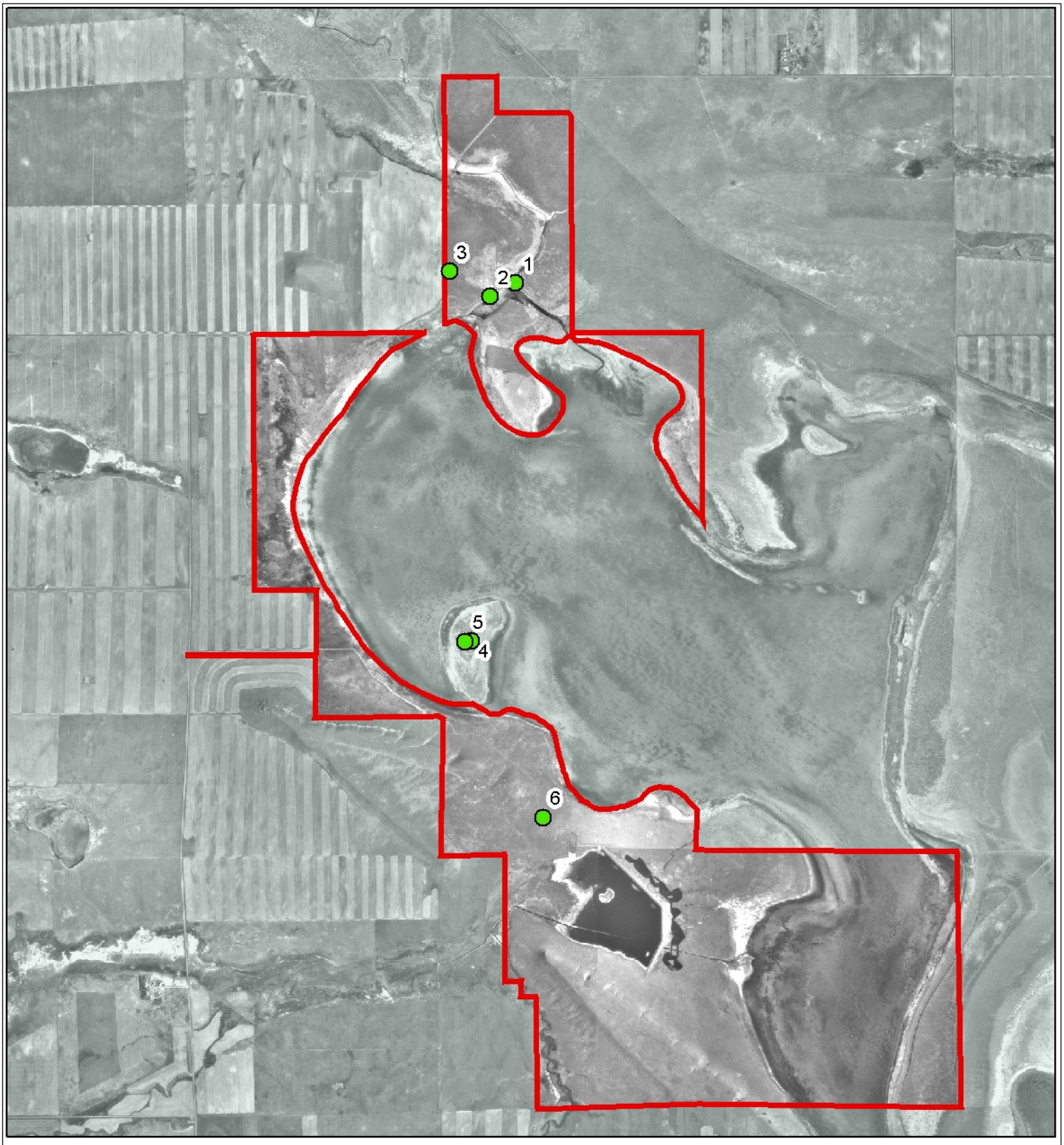


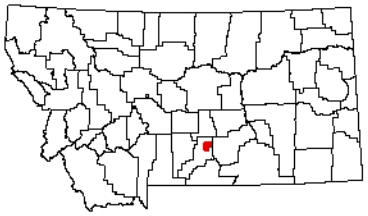
Figure 1: **Big Lake Wildlife Management Area**

Trapping locations

Montana Fish, Wildlife & Parks

N

0 0.5 1 Miles



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