Vandalia Wildlife Management Area

2004 Small Mammal Trapping and Species Inventory Report

Montana Fish, Wildlife, and Parks (MFWP)
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Vandalia Wildlife Management Area (WMA) is a 310-acre parcel near Glasgow in MFWP Region 7. Portions of the WMA border the Milk River, and the riparian habitat associated with the river provides important cover and forage for a variety of wildlife. The WMA is a productive area for white-tailed deer, pheasants, and waterfowl, as well as non-game wildlife. Staff biologists have also constructed artificial nesting structures for geese and ducks (i.e. platforms, culverts, nest boxes) on the abandoned river oxbow. These initiatives are part of mitigation required of the Glasgow Irrigation District for

Findings: 15 Captures of 6 Species

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

Table 1. Trapline/Trapsite Location and Habitat Type

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

Location #	Name	Habitat Type
11	line 11	Sagebrush Grassland
12	line 12	Riparian Grassland
13	line 13	Sagebrush Grassland
14	line 14	Riparian Grassland
Funnel	funnel 1	Riparian

Table 2. Captures Summary

	Trapline					
Species Captured	**11**	**12**	**13**	**14**	**Funnel**	**Total**
Northern Leopard Frog					1	1
Deer Mouse	4	2	2	2		10
Meadow Vole		1				1
Long-Tailed Vole		1				1
House Mouse	1					1
Plains Garter Snake					1	1
Total Captures	5	4	2	2	2	15

Northern Leopard Frog

House Mouse

Kristi BuBois 2004

Table 3. Trapline Summary

Trap Type	Trapline 11	12	13	14	Total Trap Nights	Captures	Captures/100 Trap Nights	Number of Species
Snap, small (victor)	64	47	48	47	206	1	0.5	1
Snap, med (museum special)	50	46	47	53	196	12	6.1	4
Snap, large (rat)	10	10	10	10	40	0	0	0
Cage, small (sherman)	50	50	50	50	200	0	0	0
Cage, med (skunk)	10	10	10	10	40	0	0	0
Pitfall	25	25	25	25	100	0	0	0
Total Trap Nights	209	188	190	195	782			
Total Captures	5	4	2	2	13			
Captures/100 Trap Nights	2.4	2.1	1.1	1.0	1.7			
Number of Species	2	3	1	1				

Table 4. Trapsite Summary

Trap Type	Total Trap Nights	Total Captures	Captures/100 Trap Nights	Number of Species
Cage, large	20	0	0	0
Funnel Trap	5	2	40	2

Plains Garter Snake

Table 5. Miscellaneous Observations

Mourning Dove
Downy Woodpecker
Western Wood-Pewee
Vesper Sparrow
Western Meadowlark

Downy Woodpecker John Carlson 2003

Trapline Photos

Trapline 11

Trapline 12

Trapline 13

Trapline 14

Photo Credits: MFWP staff unless otherwise noted.

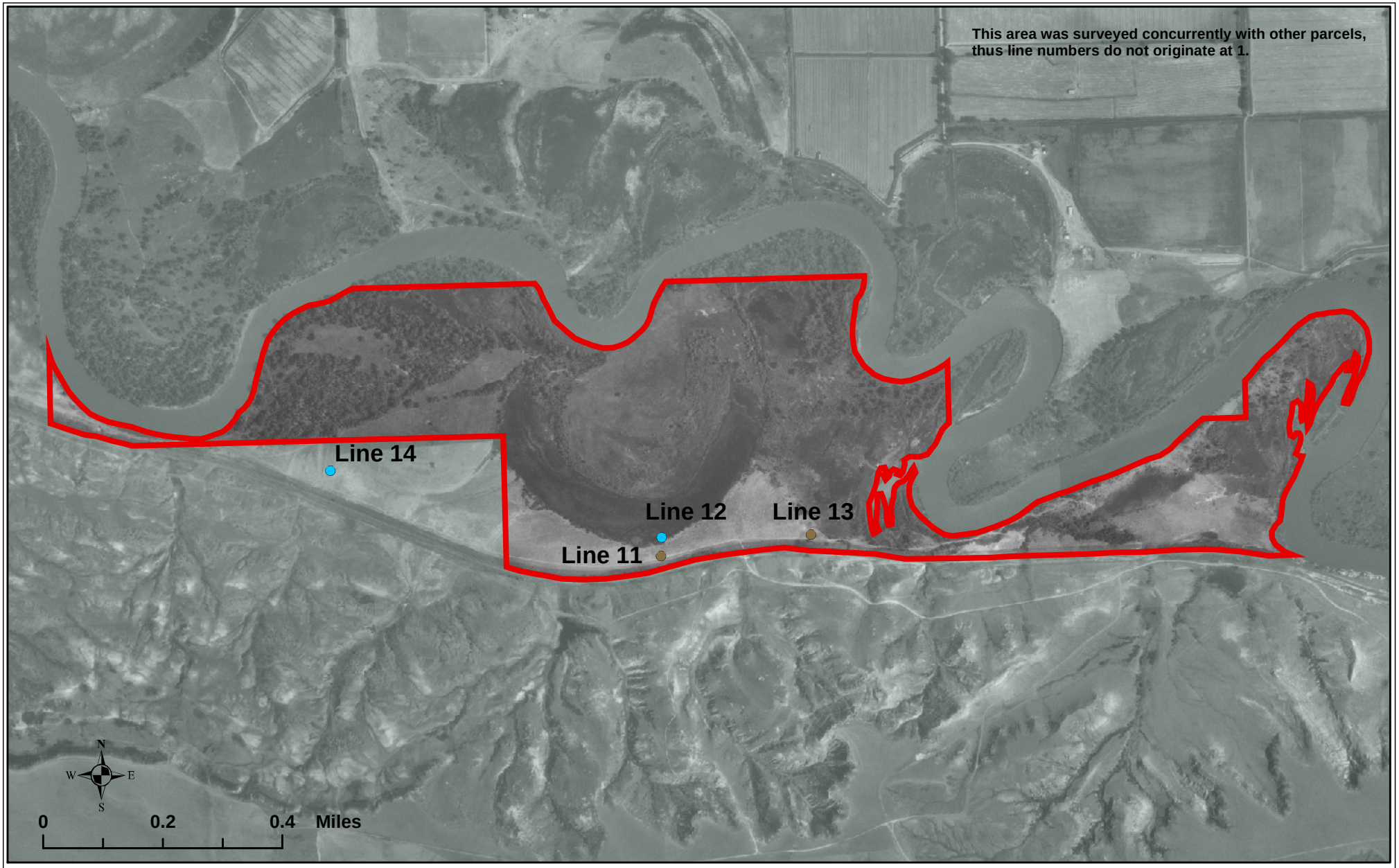


Figure 1:

Vandalia WMA

Small Mammal Survey Site

Montana Fish, Wildlife & Parks

Trapping Locations

General Landcover (Symbol color)

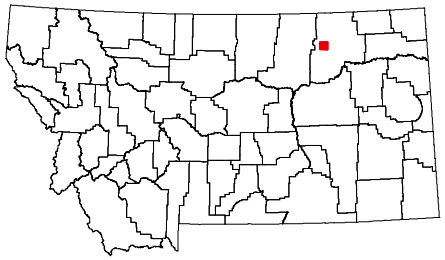
- Agriculture
- Barren / Badlands
- Broadleaf Forest
- Conifer Forest
- Grassland
- Riparian
- Shrub Grassland

* Not all landcover types were sampled at all sites.

Captures/100 trapnights (Symbol size)

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

* only calculated for trap lines



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