Amelia Island Wildlife Management Area

2004 Small Mammal Trapping and Species Inventory Report

Montana Fish, Wildlife, and Parks (MFWP)
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Amelia Island WMA is a 238-acre parcel located on the Yellowstone River approximately 20 miles west of Forsyth, MT. Hunters use the site extensively during the upland game bird and duck seasons. It has also developed into a nature area for locals wanting to exercise or walk their pets. Habitat consists mainly of grassland interspersed with cottonwood stands, with riparian vegetation along the river.

Findings: 45 Captures of 7 Species

- Small mammal trapping lines: (Table 2)
  -41 captures of 4 species
- Large Fox Cage
  -0 captures
- Camera
  -4 captures of 3 species
- Funnel Trap
  -0 captures

Table 1. Trapline and Trapsite Habitat Types

Location #	*Name*	*Habitat*
1	Line 1	Grassland
2	Line 2	Cottonwood Forest
3	Line 3	Grassland
4	Line 4	Cottonwood Forest
5	Camera 1	Cottonwood Forest
6	Fox1	Cottonwood Forest
7	Funnel 1	Riverine Riparian
8	Funnel 2	Riverine Riparian

Table 2. Capture and Trap Summary

Amelia Island Trap Summary	Traplines 1	2	3	4	Total Trap Nights	Captures	Captures/100 Trap Nights	Number of Species
Snap, small (victor)	48	49	40	38	175	4	2.29	1
Snap, med (museum special)	48	46	33	32	159	17	10.69	3
Snap, large (rat)	10	8	8	8	34	0	0.00	0
Cage, small (sherman)	41	50	40	39	170	13	7.65	2
Cage, med (skunk)	10	10	8	8	36	0	0.00	0
Pitfall	25	25	20	20	90	7	7.78	4
Total Trap Nights	182	188	149	145	664			
Total Captures	6	16	15	4	41			
Captures/ 100 Trap Nights	3.30	8.51	10.07	2.76	6.17			
Number of Species	2	4	2	1				

Trapsites	Tr. Nights	Captures
Cage, large	4	0
Funnel Trap	5	0
Camera	3	4

Species Captured	Traplines 1	2	3	4	Camera	Total
Woodhouse's toad		1	1			**2**
Eastern Fox Squirrel					1	**1**
Deer Mouse	5	8	14	4		**31**
Meadow Vole	1	4				**5**
Mule Deer					1	**1**
White-tailed Deer					2	**2**
Unknown Shrew		3				**3**
Total Captures	**6**	**16**	**15**	**4**	**4**	**45**

Miscellaneous Species Observed

Great Blue Heron
Red-tailed Hawk
Hairy Woodpecker
Western Wood-Pewee
Coyote
Common Raccoon
Striped Skunk

Western Wood-Pewee.

Trapline Photos

Trapline 1.

Trapline 2.

Trapline 3

Trapline 4.

Selection of photos of captured species.

Unidentified Shrew.

Woodhouse's Toad.

Deer Mouse

Photo Credits: MFWP Personnel.

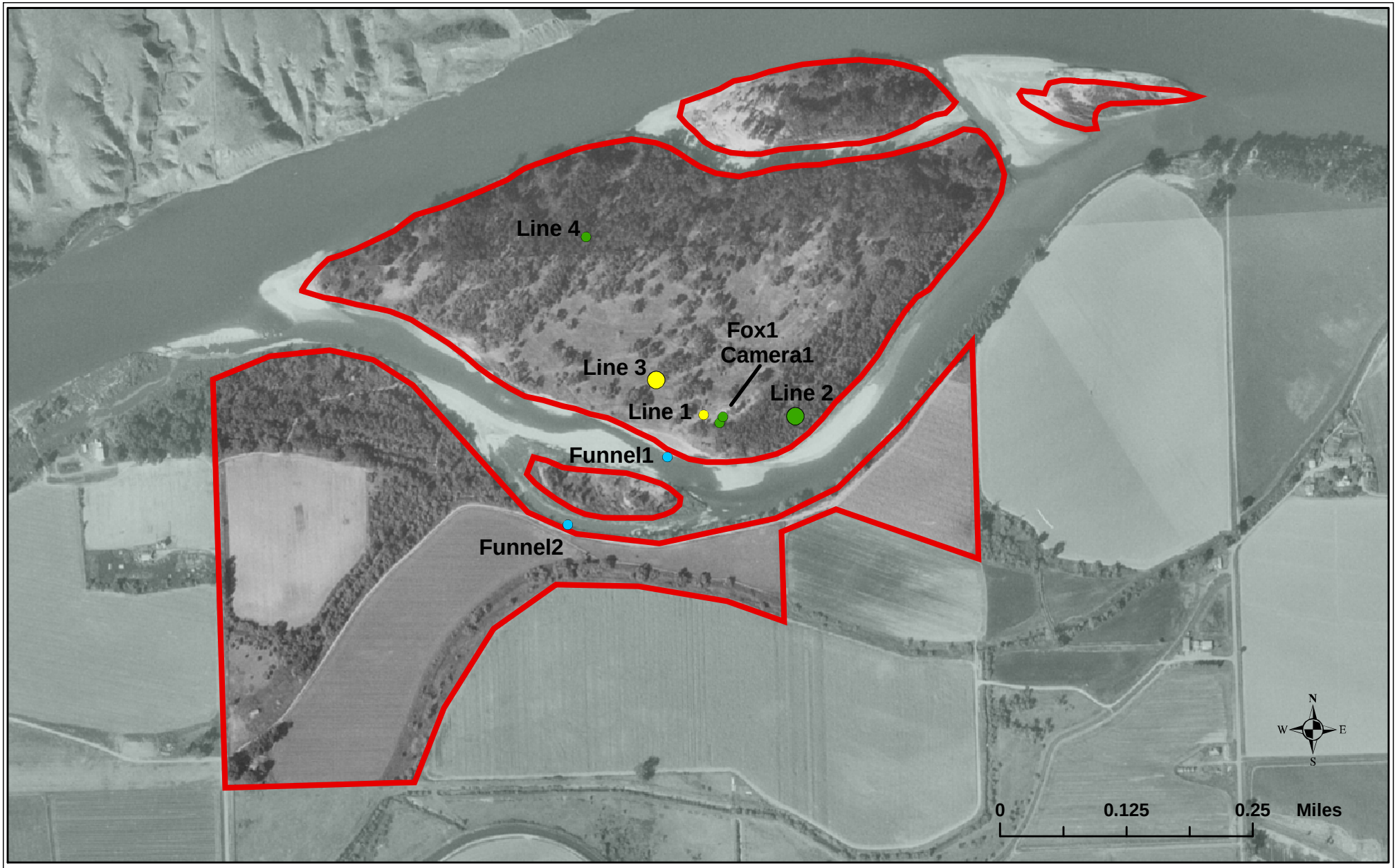


Figure 1:

Amelia Island WMA

Small Mammal Survey Site

Montana Fish, Wildlife & Parks

Trapping Locations

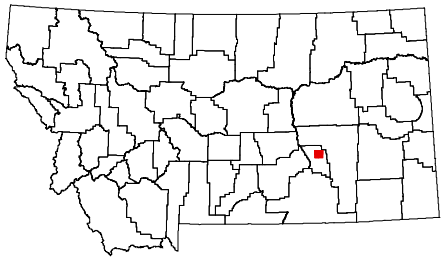
General Landcover (Symbol color)

- 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)
* only calculated for trap lines

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



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