

**PREBLE'S MEADOW JUMPING MOUSE  
TRAPPING SURVEY FOR  
75<sup>TH</sup> STREET RAW WATER LINE  
BOULDER COUNTY, COLORADO**

*Prepared for—*

City of Lafayette  
1290 South Public Road  
Lafayette, CO 80026

*Prepared by—*

ERO Resources Corporation  
1842 Clarkson Street  
Denver, CO 80218  
(303) 830-1188

September 10, 2001

ERO Resources Corp.  
1842 Clarkson Street  
Denver, CO 80218  
(303) 830-1188  
Fax: 830-1199



Denver • Boise

www.eroresources.com  
ero@eroresources.com

September 11, 2001

Mr. Peter Plage  
U.S. Fish and Wildlife Service  
Colorado Field Office  
P. O. Box 25486, DFC  
Denver, Colorado 80225

RE: Preble's meadow jumping mouse trapping survey results for  
75<sup>th</sup> Street Raw Water Line

Dear Mr. Plage:

Please find attached the trapping survey report for 75<sup>th</sup> Street Raw Water Line. No  
Preble's mice were captured at the site.

Please call me at 830-1188 if you have any questions or require additional information. I  
look forward to receiving your acceptance of this survey report as soon as possible.

Sincerely,

COPY

Steve Butler  
Natural Resource Specialist

Attachment

cc: Brad Dallam, City of Lafayette  
Beth Van Deusen, Colorado Natural Heritage Program  
Cary Richardson, City of Boulder Open Space & Mountain Parks

**PREBLE'S MEADOW JUMPING MOUSE  
TRAPPING SURVEY REPORT**

**75<sup>TH</sup> STREET RAW WATER LINE  
BOULDER COUNTY, COLORADO**

**SEPTEMBER 10, 2001**

**Introduction**

On behalf of the City of Lafayette, ERO Resources (ERO) conducted two trapping surveys for Preble's meadow jumping mouse (*Zapus hudsonius preblei*) near the project corridor of the proposed 75<sup>th</sup> Street Raw Water Line. The first survey was conducted between July 16 and July 20 along a reach of Boulder Creek east of 75<sup>th</sup> Street. The second survey was conducted between July 23 and July 27 near the confluence of Dry Creek and Boulder Creek. The purpose of these surveys was to determine the presence or absence of Preble's meadow jumping mouse (PMJM) in an area of Boulder County where the proposed raw water line is to be constructed.

**Site Information**

**Location:** The project site is located in Boulder County in Section 13, T1N, R70W and Sections 15, 16, 17, 18, 19 and 20, T1N, R69W, Niwot, Colorado quadrangle (see Figure 1). The first trapping survey focused on the SW ¼ of Section 13. The second survey focused on the S ½ of Sections 17 and 18 and the N ½ of Section 19. These sites are considered the best potential habitat in the area.

**UTM coordinates (Boulder Creek):** UTM Zone 13: 4433280mN, 484700mE

**UTM coordinates (Dry Creek):** UTM Zone 13: 4433300mN, 487700mE

**Elevation:** Average elevation is 5,080 feet above sea level.

**Soils:** A combination of Loveland Soils (Lv) and Niwot Soils (Nh) cover the majority of the area. These soils consist of a mixture of sandy clay loams. Niwot soils tend to be lighter loam to loam, whereas Loveland soils tend to be more clay loam.

**Hydrology:** Perennial stream.

## **Project Description**

The proposed project consists of construction of a water line that will divert water from Boulder Creek to the Goose Haven Reservoir complex located 2 miles east of 95<sup>th</sup> Street. The 4.7-mile long water line will run south along 75<sup>th</sup> Street from Boulder Creek to the Union Pacific Railroad right-of-way (ROW), then turn east and run along the south side of the railroad to the Lower Boulder Ditch. It will run along an easement south of the ditch to Goose Haven Reservoir complex. The project will impact potential wetland, riparian, and upland habitat along Boulder Creek, Dry Creek, and the railroad tracks.

## **Methods**

ERO conducted two PMJM trapping surveys using the methods outlined in the U.S. Fish and Wildlife Service's *Interim Survey Guidelines for Preble's Meadow Jumping Mouse*, revised May 19, 1999. For each trapping survey, 190 traps were set out for 4 nights, resulting in 760 trapnights per week (1,520 trapnights total).

Traps were set between 4 PM and 6 PM and opened between 6:30 AM and 7:30 AM the following morning. The traps were Sherman large folding and non-folding aluminum and steel traps with galvanized treadle and door. Traps were baited with Omelene.

During Week 1, three separate trap lines were set on the south side of Boulder Creek, and two were set on the north side of the creek. Two of the three lines on the south side of the creek consisted of 48 traps; one line consisted of 31 traps. On the north side of the creek, one trap line consisted of 48 traps and one consisted of 15 traps. All trap lines were set along stands of willows or wetland vegetation that bordered the creek.

During Week 2, two trap lines, each consisting of 24 traps, were set along the south side of Boulder Creek. One line consisting of 48 traps was set along the west side of Dry Creek, and two lines consisting of 48 and 46 traps were set along both sides of the Union Pacific Railroad line. Traps were set along stands of willows and other shrubs. See Figure 2 for trap line locations.

## **Ecological Features of the Site**

The 75<sup>th</sup> Street Raw Water Line project is proposed in rural Boulder County. The riparian corridor at both trapping sites is characterized by plains cottonwood (*Populus deltoides*), Russian olive (*Elaeagnus angustifolia*), crack willow (*Salix fragilis*), and stands of sandbar willow (*Salix exigua*). The understory along of Boulder Creek and Dry Creek consists of reed canarygrass (*Phalaris arundinacea*), Nebraska sedge (*Carex nebrascensis*), threesquare bulrush (*Scirpus americanus*), Canada thistle (*Cirsium arvense*), showy milkweed (*Asclepias speciosa*), snowberry (*Symphoricarpos rotundifolius*), and common teasel (*Dipsacus fullonum*). Patches of wetlands and shrub habitat occur along the Union Pacific Railroad. Photos 1 through 8 show habitat of the trapping sites (Appendix A).

Impacts to the area from human activity include a recreational trail for pedestrians and bicyclists through the open space park. Habitat along the railroad tracks has been disturbed by previous railroad operations. Predators seen in the area include coyote (*Canis latrans*), raccoon (*Procyon lotor*), red-tailed hawk (*Buteo jamaicensis*), and great horned owl (*Bubo virginianus*). See Table 3 for additional wildlife seen in the area.

## **Results**

### **Week 1 – Boulder Creek at 75<sup>th</sup> Street**

Four small mammal species were captured in 760 trapnights of effort during Week 1. The species captured were deer mouse (*Peromyscus maniculatus*), western harvest mouse (*Reithrodontomys megalotis*), prairie vole (*Microtus ochrogaster*), and house mouse (*Mus musculus*). There were 75 captures of deer mice, 20 captures of western harvest mice, 5 captures of house mice, and 2 captures of prairie voles. No PMJM were captured.

### **Week 2 – Boulder Creek, Dry Creek, and Railroad Tracks**

During Week 2, six small mammal species were captured in 760 trapnights of effort. The captured species included deer mouse (*Peromyscus maniculatus*), western harvest mouse (*Reithrodontomys megalotis*), house mouse (*Mus musculus*), meadow vole (*Microtus pennsylvanicus*), prairie vole (*Microtus ochrogaster*), and masked shrew (*Sorex cinereus*). There were 53 captures of deer mice, 8 captures of western harvest

mice, 3 captures of house mice, one capture of a meadow vole, prairie vole and masked shrew. No PMJM were captured.

The total capture success rate for both weeks was 11.1 percent. Percentage of traps available (unsprung) for weeks 1 and 2 was 79 percent. Trapping results for Week 1 are shown in Table 1, and Week 2 in Table 2. The weather conditions during both trapping survey were partly cloudy every day with high temperatures between 85°F and 95°F and low temperatures between 60°F to 65°F.

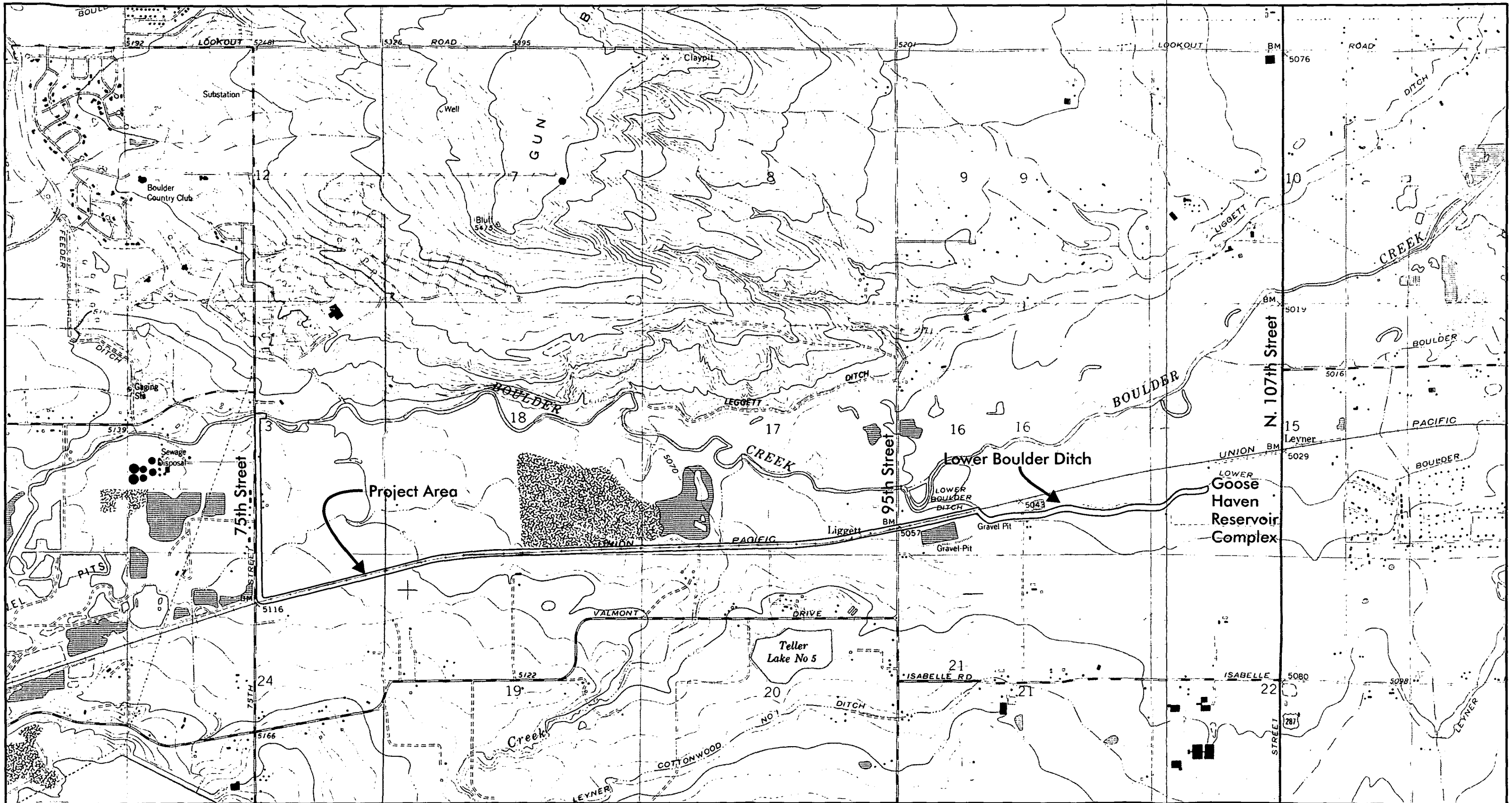
### **Conclusions and Discussion**

Between July 16 and July 27, ERO Resources conducted two PMJM presence/absence trapping surveys for the City of Lafayette along areas of Boulder Creek, Dry Creek, and the Union Pacific Railroad line in Boulder County, Colorado. After a total of 8 nights of trapping (1,520 trapnights), no Preble's meadow jumping mice were found. The proposed project should not adversely affect the continued existence of PMJM.

### **Qualifications of Surveyors**

Qualifications of Mary L. Powell have been previously submitted to the U. S. Fish and Wildlife Service and are available upon request. Ms. Powell has a Masters degree in biology from the University of Colorado at Denver and 7 years experience performing vegetative inventories and assessments. She specializes in riparian and wetland ecology, has four years experience performing PMJM habitat assessments and presence/absence surveys, and has experience identifying and handling PMJM in the field.





**ERO**

ERO Resources Corp.  
1842 Clarkson Street  
Denver, CO 80218  
(303) 830-1188  
Fax: 830-1199

75th Street Raw Water Line  
Portions of Section 13 & 24, T1N, R70W, Sections 15,16,17,18,19, T1N, R69W  
UTM Coordinates: at Boulder Creek 4433280mN, 484700mE  
UTM Coordinates: at Goose Haven Reservoir 4432750mN, 491020mE

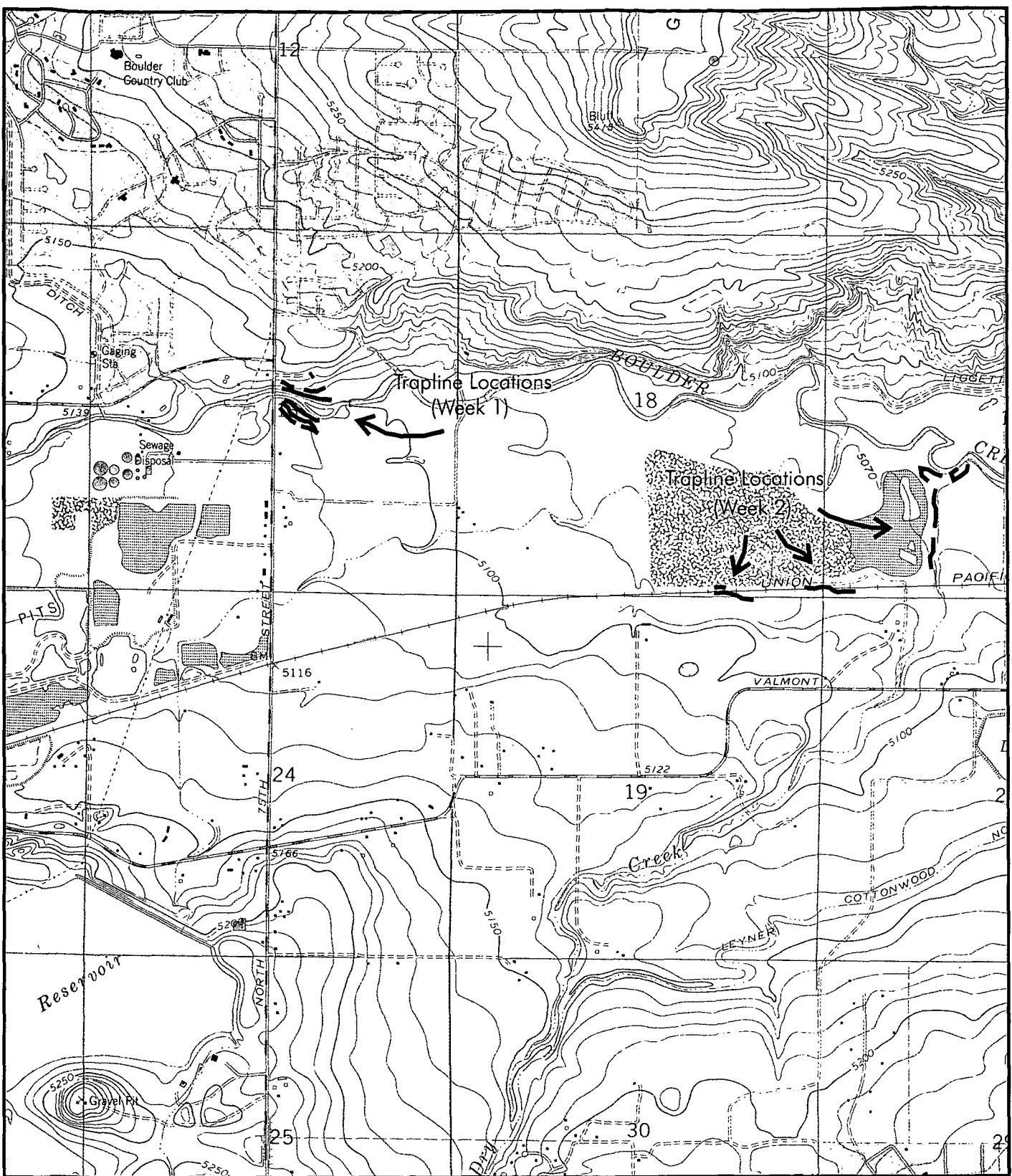
Niwot and Erie Quadrangles  
Boulder County, Colorado



**Figure 1**  
**Site Location**

Prepared for: Lafayette  
File: 1717Fig1.cdr  
July 2001






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75th Street Raw Water Line  
 Portions of Section 13, T1N, R70W, Sections 17, 18, 19, T1N, R69W  
 UTM Coordinates: at Boulder Creek 4433280 mN, 484700mE  
 UTM Coordinates: at Lower Boulder Ditch 443330 mN, 487700mE

Niwot Quadrangle  
 Boulder County, Colorado

1 Inch = 2,000 Feet 

**Figure 2**  
**Trapline Locations**

Prepared for: City of Lafayette  
 File: 1717Fig2.cdr  
 July 2001



Table 1. 75th Street Raw Water Line Trapping Results (Week 1)

Trap #	Date	Common Name	Latin Name
SMb 4	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 11	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 6	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 7	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 8	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 10	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 19	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 22	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 23	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 1	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 2	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 3	07/17/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
<b>Deer Mouse Count</b>		12	
SM15	07/17/2001	Disturbed	
SM19	07/17/2001	Disturbed	
SM20	07/17/2001	Disturbed	
SM 24	07/17/2001	Disturbed	
Na 17	07/17/2001	Disturbed	
Na 24	07/17/2001	Disturbed	
<b>Disturbed Count</b>		6	
NN 14	07/17/2001	House Mouse	<i>Mus musculus</i>
<b>House Mouse Count</b>		1	
SMb 13	07/17/2001	Prairie Vole	<i>Microtus ochrogaster</i>
<b>Prairie Vole Count</b>		1	
SN 1	07/17/2001	Tripped	
SN 3	07/17/2001	Tripped	
SN 5	07/17/2001	Tripped	
SN 6	07/17/2001	Tripped	
SN 8	07/17/2001	Tripped	
SN 10	07/17/2001	Tripped	
SN 11	07/17/2001	Tripped	
SN 14	07/17/2001	Tripped	
SN 15	07/17/2001	Tripped	
SN 16	07/17/2001	Tripped	
SN 17	07/17/2001	Tripped	
SN 23	07/17/2001	Tripped	
SNb 1	07/17/2001	Tripped	
SNb 3	07/17/2001	Tripped	
SNb 4	07/17/2001	Tripped	
SNb 5	07/17/2001	Tripped	
SM 1	07/17/2001	Tripped	
SS 3	07/17/2001	Tripped	
Na 3	07/17/2001	Tripped	
Na 6	07/17/2001	Tripped	
Na 7	07/17/2001	Tripped	
Na 9	07/17/2001	Tripped	
Na 10	07/17/2001	Tripped	
Nb 14	07/17/2001	Tripped	
Nb 3	07/17/2001	Tripped	
<b>Tripped Count</b>		25	
SN 24	07/17/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>

Table 1. 75th Street Raw Water Line Trapping Results (Week 1)

Trap #	Date	Common Name	Latin Name
SMb 14	07/17/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Na 19	07/17/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
NN16	07/17/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Nb 10	07/17/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
<b>Western Harvest Mouse Count</b>		5	
SN 7	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SN 21	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 3	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 4	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 6	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 14	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 15	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 20	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 6	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 7	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 8	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 10	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 11	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 24	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 1	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 2	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 4	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 5	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 7	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 8	07/18/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
<b>Deer Mouse Count</b>		20	
Na 12	07/18/2001	Disturbed	
<b>Disturbed Count</b>		1	
SN 8	07/18/2001	Tripped	
SN 13	07/18/2001	Tripped	
SN 15	07/18/2001	Tripped	
SN 18	07/18/2001	Tripped	
SN 19	07/18/2001	Tripped	
SM 17	07/18/2001	Tripped	
SS 17	07/18/2001	Tripped	
Na 5	07/18/2001	Tripped	
Na 7	07/18/2001	Tripped	
Na 17	07/18/2001	Tripped	
Nb 10	07/18/2001	Tripped	
Nb 11	07/18/2001	Tripped	
Nb 17	07/18/2001	Tripped	
Nb 18	07/18/2001	Tripped	
Nb 19	07/18/2001	Tripped	
Nb 24	07/18/2001	Tripped	
<b>Tripped Count</b>		16	
Na 11	07/18/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
SSb 6	07/18/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Na 19	07/18/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Na 24	07/18/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Nb 1	07/18/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
<b>Western Harvest Mouse Count</b>		5	

Table 1. 75th Street Raw Water Line Trapping Results (Week 1)

Trap #	Date	Common Name	Latin Name
SN 1	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SN 13	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SM 4	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SM 7	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SM 8	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SM 13	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SM 14	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SM 16	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SM 24	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 4	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 6	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 8	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 19	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 24	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 4	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 5	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 6	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 7	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 8	07/19/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
<b>Deer Mouse Count</b>		19	
Na 1	07/19/2001	Disturbed	
Na 3	07/19/2001	Disturbed	
Na 4	07/19/2001	Disturbed	
Na 5	07/19/2001	Disturbed	
Na 23	07/19/2001	Disturbed	
Nb 1	07/19/2001	Disturbed	
Nb 4	07/19/2001	Disturbed	
<b>Disturbed Count</b>		7	
Nb 19	07/19/2001	House Mouse	<i>Mus musculus</i>
NN 22	07/19/2001	House Mouse	<i>Mus musculus</i>
<b>House Mouse Count</b>		2	
SN 20	07/19/2001	Tripped	
SNb 17	07/19/2001	Tripped	
SNb 18	07/19/2001	Tripped	
SN 19	07/19/2001	Tripped	
SS 10	07/19/2001	Tripped	
SS 17	07/19/2001	Tripped	
SS 23	07/19/2001	Tripped	
Na 7	07/19/2001	Tripped	
Na 17	07/19/2001	Tripped	
Nb 8	07/19/2001	Tripped	
Nb 18	07/19/2001	Tripped	
Nb 24	07/19/2001	Tripped	
NN 18	07/19/2001	Tripped	
SN 19	07/19/2001	Tripped	
SNb 2	07/19/2001	Tripped	
SM 15	07/19/2001	Tripped	
SMb 1	07/19/2001	Tripped	
<b>Tripped Count</b>		17	
SNb 15	07/19/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
SM 22	07/19/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>

Table 1. 75th Street Raw Water Line Trapping Results (Week 1)

Trap #	Date	Common Name	Latin Name
Na 19	07/19/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Nb 6	07/19/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
NN 17	07/19/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
<b>Western Harvest Mouse Count</b>		5	
SM 6	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SM 13	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 1	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 4	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 6	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 7	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 8	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 13	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 14	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SMb 24	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 2	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 5	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 6	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 8	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 11	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 19	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 20	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SS 21	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 1	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 2	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 4	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
SSb 5	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
Na 11	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
Na 20	07/20/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
<b>Deer Mouse Count</b>		24	
SMb 15	07/20/2001	Disturbed	
Smb 16	07/20/2001	Disturbed	
Na 4	07/20/2001	Disturbed	
Na 8	07/20/2001	Disturbed	
<b>Disturbed Count</b>		4	
Na 2	07/20/2001	House Mouse	<i>Mus musculus</i>
Na 7	07/20/2001	House Mouse	<i>Mus musculus</i>
<b>House Mouse Count</b>		2	
NN 24	07/20/2001	Prairie Vole	<i>Microtus ochrogaster</i>
<b>Prairie Vole Count</b>		1	
SN 7	07/20/2001	Tripped	
SNb 5	07/20/2001	Tripped	
SNb 8	07/20/2001	Tripped	
SS 9	07/20/2001	Tripped	
Na 10	07/20/2001	Tripped	
Na 15	07/20/2001	Tripped	
Na 17	07/20/2001	Tripped	
Nb 9	07/20/2001	Tripped	
Nb 10	07/20/2001	Tripped	
Nb 11	07/20/2001	Tripped	
Nb 18	07/20/2001	Tripped	
Nb 19	07/20/2001	Tripped	

Table 1. 75th Street Raw Water Line Trapping Results (Week 1)

Trap #	Date	Common Name	Latin Name
Nb 24	07/20/2001	Tripped	
NN 12	07/20/2001	Tripped	
<b>Tripped Count</b>		14	
SNb 16	07/20/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Na 14	07/20/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Nb 1	07/20/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Nb 5	07/20/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
Nb 22	07/20/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
<b>Western Harvest Mouse Count</b>		5	
<b>Number of Available Traps</b>		568	
<b>Number of Unavailable Traps</b>		192	
<b>Total Trapnights</b>		760	
<b>Number captured:</b>			Capture success: 13.4%
Deer Mouse: 75			Closed and empty: 9.5%
Western Harvest Mouse: 20			Disturbed traps: 2.4%
Prairie Vole: 2			Available traps: 80.7%
House Mouse: 5			
Surveyors: Mary Powell, Clint Henke			

Table 2. 75th Street Raw Water Line Trapping Results (Week 2)

Trap #	Date	Common Name	Latin Name
TE2 7	07/12/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE2 22	07/12/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
RE 15	07/24/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 1	07/24/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 9	07/24/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 12	07/24/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 23	07/24/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW2 14	07/24/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW2 23	07/24/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW2 24	07/24/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE1 1	07/24/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
<b>Deer Mouse Count</b>		11	
DN 15	07/24/2001	Disturbed	
DN 16	07/24/2001	Disturbed	
DN 19	07/24/2001	Disturbed	
DN 20	07/24/2001	Disturbed	
DN 21	07/24/2001	Disturbed	
DN 22	07/24/2001	Disturbed	
DN 23	07/24/2001	Disturbed	
<b>Disturbed Count</b>		7	
RW 18	07/24/2001	House Mouse	<i>Mus musculus</i>
<b>House Mouse Count</b>		1	
TW1 7	07/24/2001	Tripped	
TW1 16	07/24/2001	Tripped	
TW1 17	07/24/2001	Tripped	
TW2 9	07/24/2001	Tripped	
TE1 16	07/24/2001	Tripped	
<b>Tripped Count</b>		5	
DS 13	07/24/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
<b>Western Harvest Mouse Count</b>		1	
DN 5	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 1	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 3	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 5	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 17	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 20	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 7	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 8	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 10	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW2 13	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW2 14	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE1 11	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE1 20	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE1 22	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE2 1	07/25/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
<b>Deer Mouse Count</b>		15	
DN19	07/25/2001	Disturbed	
TW1 22	07/25/2001	Disturbed	
<b>Disturbed Count</b>		2	
RW 17	07/25/2001	House Mouse	<i>Mus musculus</i>
<b>House Mouse Count</b>		1	



Table 2. 75th Street Raw Water Line Trapping Results (Week 2)

Trap #	Date	Common Name	Latin Name
DN 14	07/25/2001	Masked Shrew	<i>Sorex cinereus</i>
<b>Masked Shrew Count</b>		1	
RW 21	07/25/2001	Meadow Vole	<i>Microtus pennsylvanicus</i>
<b>Meadow Vole Count</b>		1	
RW 6	07/25/2001	Tripped	
DS 21	07/25/2001	Tripped	
TW1 23	07/25/2001	Tripped	
<b>Tripped Count</b>		3	
DS13	07/25/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
<b>Western Harvest Mouse Count</b>		1	
RW 9	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
RE 15	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DN 7	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DN 9	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 1	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 3	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 8	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
DS 13	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 1	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 7	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 8	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 9	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 18	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW2 14	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE1 14	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE1 18	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE2 2	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE2 22	07/26/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
<b>Deer Mouse Count</b>		18	
TW1 19	07/26/2001	Disturbed	
<b>Disturbed Count</b>		1	
RW 18	07/26/2001	House Mouse	<i>Mus musculus</i>
<b>House Mouse Count</b>		1	
RW 20	07/26/2001	Prairie Vole	<i>Microtus ochrogaster</i>
<b>Prairie Vole Count</b>		1	
RW 5	07/26/2001	Tripped	
RW 8	07/26/2001	Tripped	
RW 15	07/26/2001	Tripped	
RE 3	07/26/2001	Tripped	
RE 4	07/26/2001	Tripped	
RE 5	07/26/2001	Tripped	
RE 6	07/26/2001	Tripped	
RE 7	07/26/2001	Tripped	
RE 9	07/26/2001	Tripped	
RE 13	07/26/2001	Tripped	
RE 14	07/26/2001	Tripped	
DS 24	07/26/2001	Tripped	
TW1 10	07/26/2001	Tripped	
TW2 3	07/26/2001	Tripped	
TE1 9	07/26/2001	Tripped	
TE1 10	07/26/2001	Tripped	

Table 2. 75th Street Raw Water Line Trapping Results (Week 2)

Trap #	Date	Common Name	Latin Name
TE1 24	07/26/2001	Tripped	
DN 1	07/26/2001	Tripped	
TE2 1	07/26/2001	Tripped	
TE2 3	07/26/2001	Tripped	
TE2 5	07/26/2001	Tripped	
<b>Tripped Count</b>		21	
DN 14	07/26/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
DN 24	07/26/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
DS 9	07/26/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
<b>Western Harvest Mouse Count</b>		3	
TW1 9	07/27/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 15	07/27/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW1 20	07/27/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TW2 13	07/27/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE1 5	07/27/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE1 10	07/27/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE1 18	07/27/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE2 2	07/27/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
TE2 3	07/27/2001	Deer Mouse	<i>Peromyscus maniculatus</i>
<b>Deer Mouse Count</b>		9	
RW 3	07/27/2001	Disturbed	
RW 10	07/27/2001	Disturbed	
RW 18	07/27/2001	Disturbed	
<b>Disturbed Count</b>		3	
RE 12	07/27/2001	Tripped	
DN 7	07/27/2001	Tripped	
DN 9	07/27/2001	Tripped	
DN 14	07/27/2001	Tripped	
DN 21	07/27/2001	Tripped	
RE 13	07/27/2001	Tripped	
DN 22	07/27/2001	Tripped	
DN 23	07/27/2001	Tripped	
DN 24	07/27/2001	Tripped	
DS 1	07/27/2001	Tripped	
DS 2	07/27/2001	Tripped	
DS 3	07/27/2001	Tripped	
DS 5	07/27/2001	Tripped	
DS 8	07/27/2001	Tripped	
DS 13	07/27/2001	Tripped	
DS 14	07/27/2001	Tripped	
DS 15	07/27/2001	Tripped	
<b>Tripped Count</b>		17	
TW1 6	07/27/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
TW1 7	07/27/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
TW1 8	07/27/2001	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>
<b>Western Harvest Mouse Count</b>		3	
<b>Number of Available Traps</b>		634	
<b>Number of Unavailable Traps</b>		126	
<b>Total Trapnights</b>		760	

Table 2. 75th Street Raw Water Line Trapping Results (Week 2)

Trap #	Date	Common Name	Latin Name
Number captured:			Capture success: 8.8%
Deer Mouse: 53			Closed and empty: 6.1%
Western Harvest Mouse: 8			Disturbed traps: 1.6%
Meadow Vole: 1			Available traps: 83.5%
Prairie Vole: 1			
House Mouse: 3			
Masked Shrew: 1			
Surveyors: Steve Butler, Clint Henke			

Table 3. Additional Wildlife Seen

**75th Street and Boulder Creek**

<b>Common Name</b>	<b>Latin Name</b>
White-tailed Deer	<i>Odocoileus virginianus</i>
Bullfrog	<i>Rana catesbeiana</i>
Bullsnake	<i>Pituophis catenifer</i>
Plains Garter Snake	<i>Thamnophis radix</i>
Red-sided Garter Snake	<i>Thamnophis sirtalis</i>

**Union Pacific Railroad and Big Dry Creek**

<b>Common Name</b>	<b>Latin Name</b>
Yellow Warbler	<i>Dendroica petechia</i>
Great Blue Heron	<i>Ardea herodias</i>
Great Egret	<i>Casmerodius albus</i>
Great Horned Owl	<i>Bubo virginianus</i>
Red-tailed Hawk	<i>Buteo jamaicensis</i>
White-tailed Deer	<i>Odocoileus virginianus</i>
American Elk	<i>Cervus elaphus</i>
Coyote	<i>Canis latrans</i>
Raccoon	<i>Procyon lotor</i>
Desert Cottontail	<i>Sylvilagus audubonii</i>
Woodhouse's Toad	<i>Bufo woodhousii</i>
Northern Leopard Frog	<i>Rana pipiens</i>
Plains Garter Snake	<i>Thamnophis radix</i>
Red-sided Garter Snake	<i>Thamnophis sirtalis</i>



PMJM TRAPPING SURVEY, 75TH STREET RAW WATER LINE  
JULY 18, 2001 (WEEK 1)



**Photo 1** - Habitat surveyed along Boulder Creek. View is to the east.



**Photo 2** - Understory along north side of Boulder Creek at 75th Street. View is to the west.

PMJM TRAPPING SURVEY, 75TH STREET RAW WATER LINE  
JULY 18, 2001 (WEEK 1)



**Photo 3** - Habitat surveyed on the south side of Boulder Creek at 75th Street.



**Photo 4**- Vegetation within the trapping survey area on the north side of Boulder Creek.



**Photo 5** - Habitat along the south side of Boulder Creek near the confluence with Dry Creek.



**Photo 6** - Habitat surveyed along the Union Pacific Railroad Line.



PMJM TRAPPING SURVEY, 75TH STREET RAW WATER LINE  
JULY 25, 2001 (WEEK 2)



**Photo 7** - Vegetation along the Union Pacific Railroad Line.

PMJM TAPPING SURVEY, 75TH STREET RAW WATER LINE  
JULY 25, 2001 (WEEK 2)

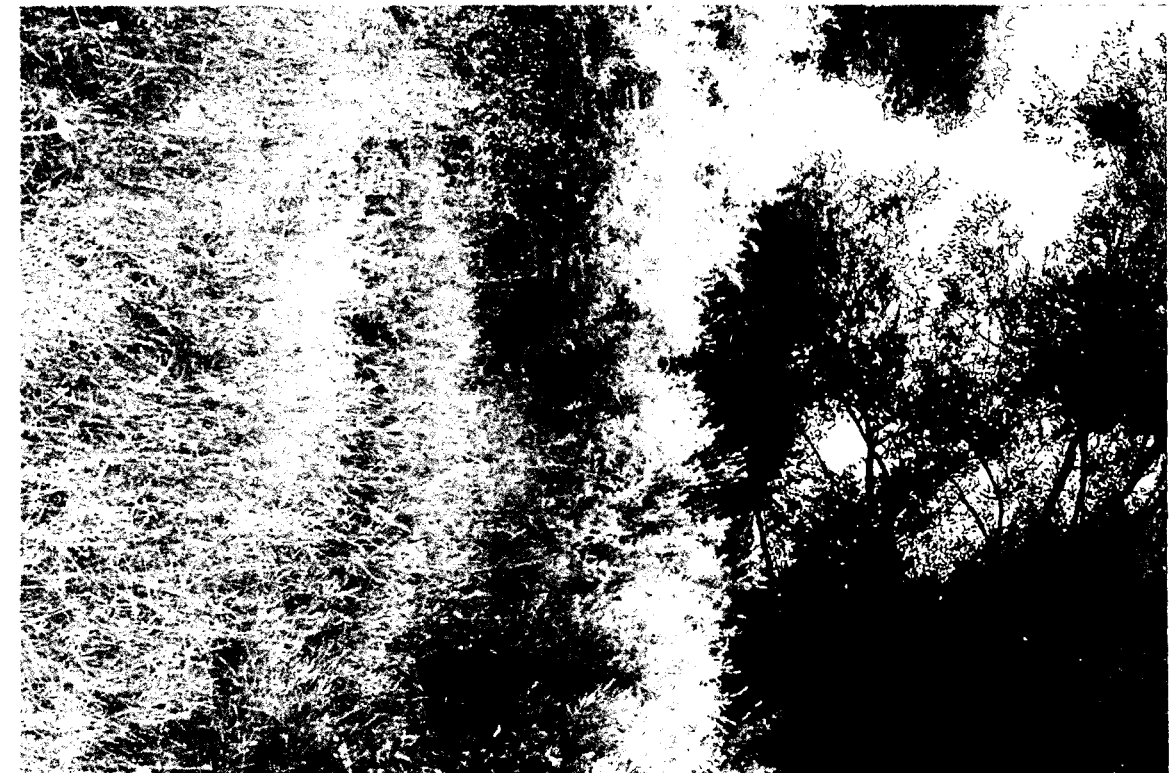


Photo 8 - Habitat surveyed along Dry Creek.