

# WILDLIFE CORRIDOR MONITORING STUDY



Bobcat at culvert under SR-67

**Multiple Species Conservation Program**

**March 2003**



# WILDLIFE CORRIDOR MONITORING STUDY

## Multiple Species Conservation Program

*Prepared for*

**California Department of Fish and Game**  
NCCP Local Assistance Grant #P0050009

*Prepared by*



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Conservation Biology Institute's (CBI) mission is providing scientific expertise to support conservation and recovery of biological diversity in its natural state through applied research, education, planning, and community service.





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## EXECUTIVE SUMMARY

This report combines the results of two tasks funded under a local assistance grant from the California Department of Fish and Game (CDFG) for Multiple Species Conservation Program (MSCP) wildlife corridor monitoring: (1) the second consecutive year of monitoring for locations in the cities of Poway and San Diego, surveyed by San Diego State University (SDSU) graduate students (contract Task D) and (2) the first year of monitoring for new transect locations established by the Conservation Biology Institute (CBI) and San Diego Tracking Team (SDTT) (contract Task A). CBI directed both studies. Transects at some of the Poway-San Diego monitoring stations established in 2000 (CBI 2002b) were not re-surveyed, while monitoring protocols were altered slightly based on recommendations from CBI (2002b). Specifically, in addition to the data collected at baited track stations, the presence or absence of wildlife, as evidenced by all types of sign, was recorded along the entire length of the transect to compare the methods. These sign surveys along the track station transects are thus similar to surveys conducted by the SDTT.

The SDTT monitored wildlife use at new locations at Lusardi Creek, culverts under SR-67, Crestridge Ecological Reserve, Hollenbeck Canyon, Otay Mesa Road culvert, and Spring Canyon, in addition to continued monitoring at stations previously established by the SDTT, including the Scripps-Poway Parkway underpass and Sycamore Park Drive. As part of this grant, SDTT also entered data for all 48 SDTT transects, collected from 1996 to present. CBI and SDTT hope to conduct analyses of these data as part of a future project.

Based on results of 2 years of monitoring, this report makes recommendations for:

- Habitat management needs at monitoring locations
- Survey methods (standardized 1-km sign transects, with cameras at chokepoints)
- Collection and mapping of roadkill data in the vicinity of monitoring locations
- Centralized data analysis and data management.

In a separate report, CBI (2003) recommended locations for MSCP habitat linkage monitoring, which include the locations presented in this report.





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## 1.0 INTRODUCTION

### 1.1 BACKGROUND

The MSCP is a habitat conservation, management, and monitoring program designed to conserve multiple species and native vegetation communities in southwestern San Diego County. It is being implemented as part of the Natural Community Conservation Planning (NCCP) program of the State of California. The MSCP is multi-jurisdictional and is being implemented through various subarea plans developed by each jurisdiction participating in the program. Each subarea plan prioritizes the resources most important for conservation and management in that portion of the MSCP planning area.

The MSCP preserve was designed to maintain connections between core habitat areas, including linkages between coastal lagoons and more inland habitats, and linkages between different watersheds. In addition to allowing for demographic and genetic exchange by all species between core preserve areas, linkages are intended to allow larger predators (mountain lions, coyotes, and bobcats) to move among conserved habitat blocks and reach coastal habitats. These top predators are particularly vulnerable to extirpation from fragmented habitats (Soulé et al. 1992, Noss 1983), which can precipitate further changes to ecological communities. Dominant carnivores can suppress smaller carnivores through both competition and predation. Consequently, the decline of top predators in fragmented areas may lead to increased populations of smaller predators (mesopredators), such as gray foxes, raccoons, striped skunks, opossums, and house cats (i.e., mesopredator release, Soulé et al. 1988, Crooks 2000). Thus, dominant carnivores such as coyotes may be fundamental in maintaining the ecological integrity of the coastal sage scrub and chaparral systems.

For purposes of this report, habitat linkages are defined as habitat areas that provide connectivity between habitat patches as well as year-round foraging, reproduction, and dispersal habitat for resident plants and animals (MSCP 1995). A wildlife corridor is a landscape feature, usually relatively narrow, that allows animal movement between two patches of habitat or between habitat and geographically discrete resources (Ogden 1996). Thus, habitat linkages also serve as wildlife corridors, but the reverse may not be true. Wildlife corridors must have species-specific characteristics to be functional for a given target species (e.g., Soulé 1991, Beier and Loe 1992). A “chokepoint” is a portion of a wildlife corridor that is constricted, generally due to encroachment of adjacent development or other land uses.

Monitoring species use of habitat linkages and wildlife corridors is one component of the MSCP Biological Monitoring Plan (Ogden 1996). The monitoring plan was developed to document compliance with the MSCP, measure the effectiveness of the conservation program, and inform adaptive management decisions.





## 1.2 LINKAGES EVALUATED IN THIS STUDY

This report combines the results of two tasks funded under a local assistant grant from the CDFG for MSCP wildlife corridor monitoring: (1) the second consecutive year of monitoring for locations in the cities of Poway and San Diego, surveyed by San Diego State University (SDSU) graduate students (contract Task D) and (2) the first year of monitoring for new transect locations established by CBI and SDTT (contract Task A).

The general MSCP study area is shown in Figure 1. The City of Poway and City of San Diego second-year monitoring locations include (Figure 2):

- Los Peñasquitos Canyon—Beeler Canyon riparian linkage between coastal and interior habitats in the cities of San Diego and Poway.
- North-south linkage in Poway from San Pasqual Valley, through Sycamore Creek, Green Valley Creek, and Blue Sky Reserve, south to Sycamore and Clark canyons.
- North-south linkage in San Diego between Carmel Valley and Los Peñasquitos Canyon, through Big Shaw Valley, Little Shaw Valley, and Lower Shaw Valley.

CBI and SDTT established monitoring transects at five linkages and four core areas (Figures 2 and 3). The core area monitoring results are necessary to inform preserve management decisions in these locations.

### **Wildlife Corridors**

- Scripps-Poway Parkway underpass between eastern Poway and the Sycamore Canyon/Goodan Ranch Open Space Preserves
- SR-67 culverts between San Vicente Highlands/Iron Mountain and Sycamore Canyon/Goodan Ranch Open Space Preserves and eastern Poway.
- Sycamore Creek between Blue Sky Reserve and San Pasqual Valley
- Lusardi Creek between the San Dieguito River Valley and Black Mountain.
- Otay Mesa Road culvert between Dennery Canyon and Spring Canyon

### **Core Areas**

- Sycamore Canyon/Goodan Ranch Open Space Preserves
- Crestridge Ecological Reserve
- Hollenbeck Canyon
- Spring Canyon

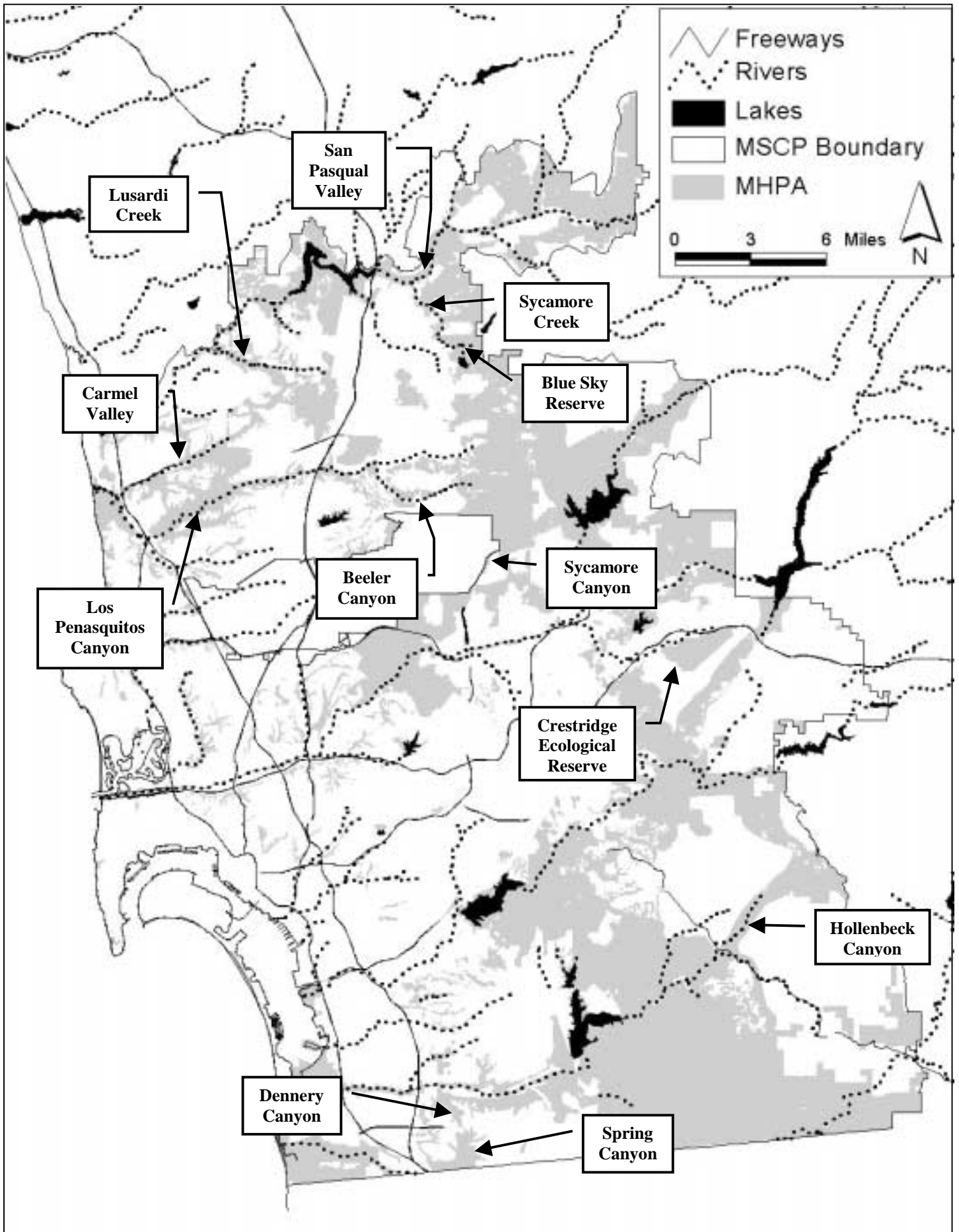


Figure 1. General MSCP study area.

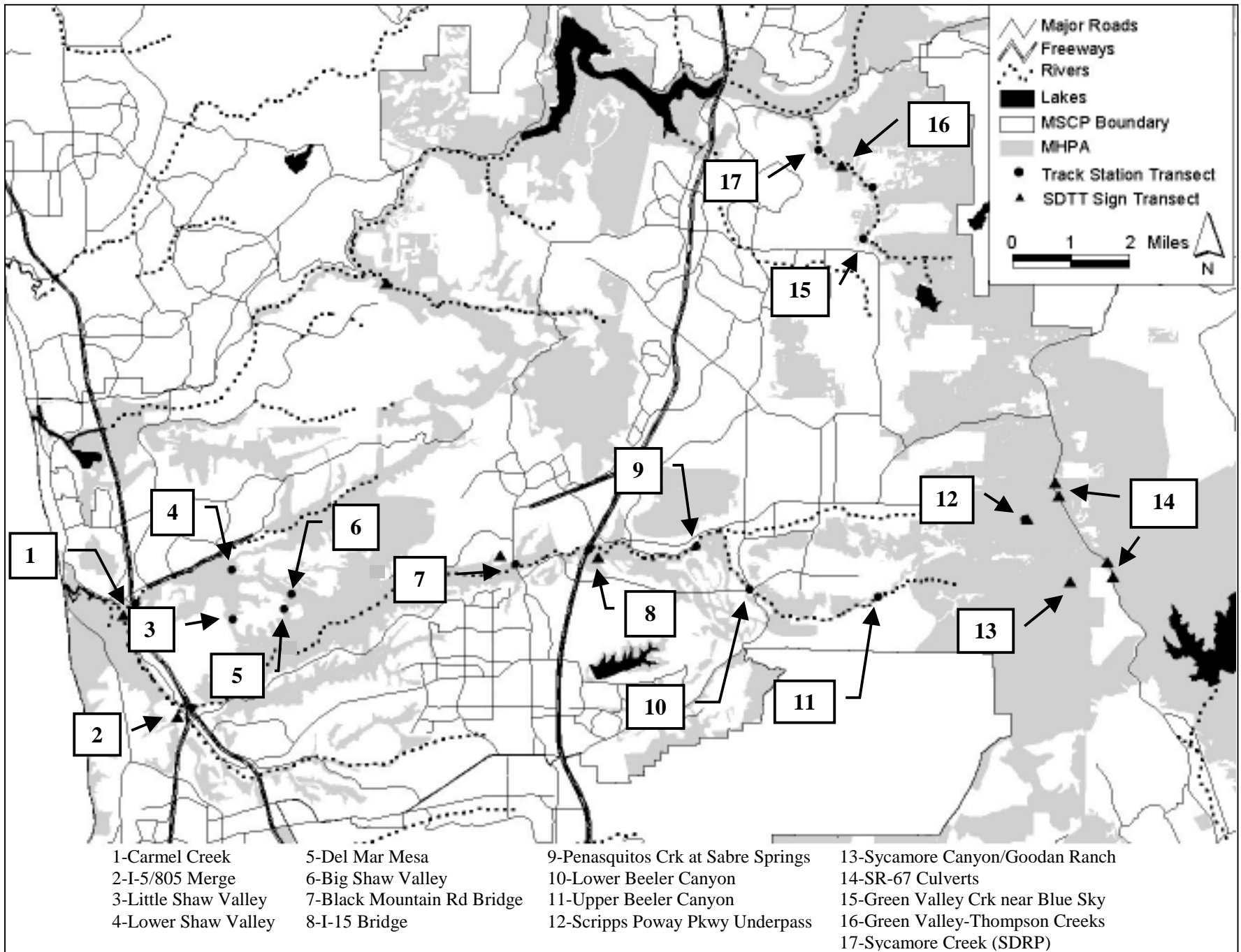


Figure 2. Monitoring locations in the northern MSCP study area.

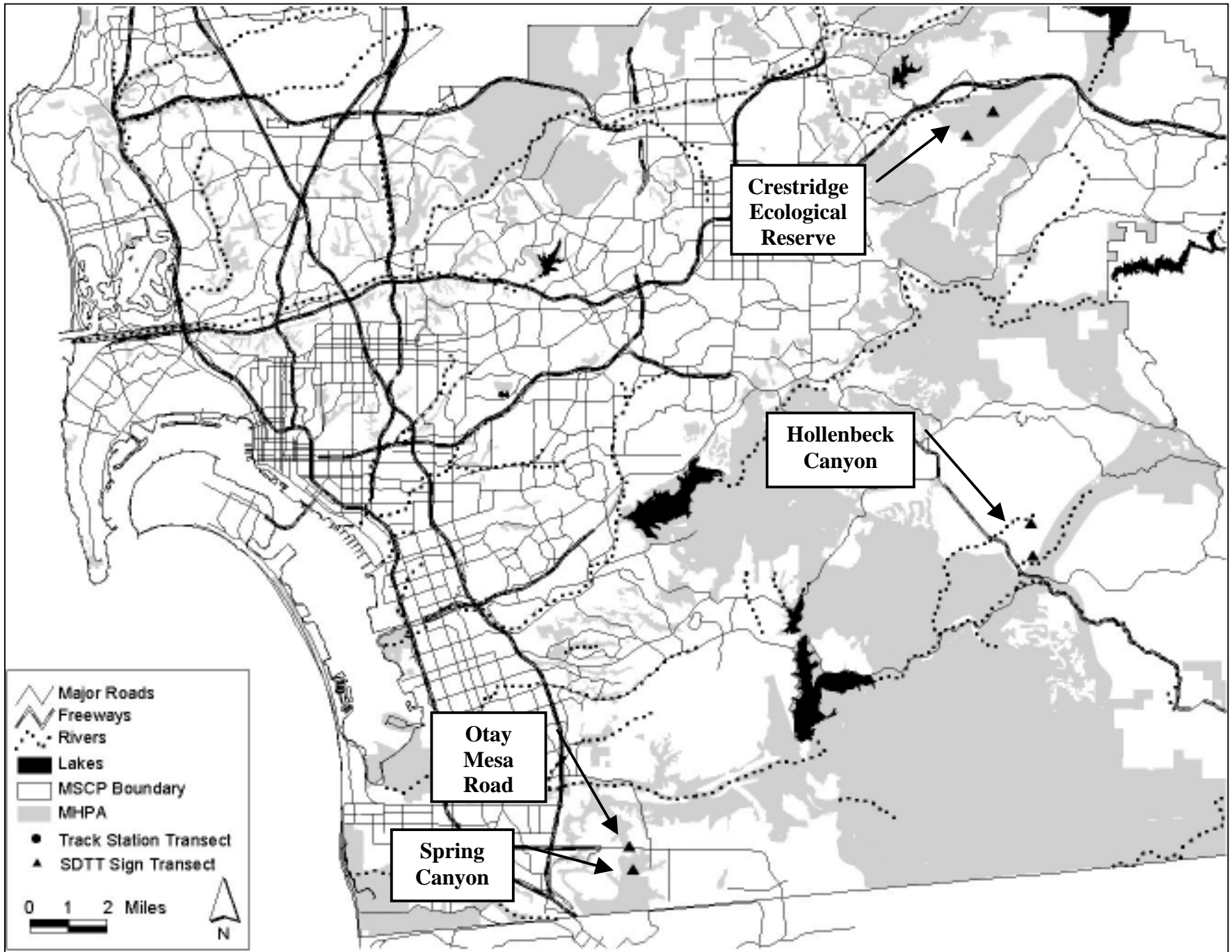


Figure 3. Monitoring locations in the southern MSCP study area.



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### **1.3 QUESTIONS ADDRESSED**

This study was designed to address the following questions:

- Are the wildlife corridors identified in the subarea plans functional?
- What large mammals (deer, mountain lion, bobcat, coyote) and mesopredators use the linkages and core areas?
- What potential constraints to animal movement exist in these areas?
- Where are habitat restoration or other management actions needed to facilitate animal movement?
- What survey methods are most efficient in identifying corridor use and evaluating corridor function for each target species?

### **1.4 PROJECT TEAM**

CBI, a nonprofit organization with expertise in preserve design, management, and monitoring, worked with Mr. David Lawhead, CDFG, and Mr. Keith Greer, City of San Diego, to direct the study. Ms. Sierra Hayden and Ms. Shea Valero, SDSU graduate students, were the primary field biologists (Task D). The SDTT, a nonprofit volunteer organization, contributed data from its efforts in Los Peñasquitos Canyon, the San Dieguito River Park, and the Scripps-Poway Parkway underpass, in addition to the surveys conducted specifically for Task A.



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## 2.0 METHODS

### 2.1 STUDY AREA AND TRANSECT LOCATIONS

Three general methods were used in the study: (1) track station transects, (2) camera stations, and (3) sign transects. Track station transects were positioned at chokepoints in target wildlife corridors (described further below). Camera stations were located within all but two of the track station transects (Del Mar Mesa and Black Mountain Road bridge), where there was no camera. The majority of track station transects and camera stations were located in or adjacent to riparian habitats, surrounded by coastal sage scrub, grasslands, and chaparral. Some of the track station transects and camera stations were also co-located with segments of SDTT sign transects. These SDTT transects were not funded as part of this study, but the SDTT data from these transects were used for comparison. In addition, in the Fall survey period, presence or absence of wildlife species between track stations was determined by searching for wildlife sign. This information will be used to assess the efficacy of the track station method.

SDTT sign transects were located at chokepoints of target linkages or along dirt trails and roads within accessible portions of core areas. Two of the sign transect locations (SR-67 culverts and Hollenbeck Canyon) also had camera stations. The sign transects were variably located adjacent to riparian habitats or in coastal sage scrub, grassland, or chaparral habitats.

Locations of track stations, camera stations, and SDTT sign transects were mapped in a Geographic Information System (GIS) database, using a Global Positioning System (GPS) unit to determine coordinates. The locations of the track station transects, camera stations, and sign transects surveyed for this study are described below. The transects are grouped by method and linkage area.

#### 2.1.1 Track Station Transects and Camera Stations

##### Carmel Creek at I-5

- Carmel Creek at I-5 bridge, camera station at I-5 bridge (access from Carmel Valley Road Park 'n' Ride lot)

##### Shaw Valley

- Little Shaw Valley from mesa top, camera station at north end of valley (access from Carmel Mountain Road at west end of Del Mar Mesa)
- Big Shaw Valley from mesa top, camera station at north end of valley (access from Carmel Mountain Road at east end of Del Mar Mesa)
- Lower Shaw Valley at intersection of Big and Little Shaw valleys at Bougainvillea Golf Course double culverts under Carmel Country Road, camera station at culverts (access from Carmel Country Road)



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## Los Peñasquitos Canyon and Del Mar Mesa

### *Lower*

- I-5/I-805 merge at western end of Los Peñasquitos Canyon, camera station at Sorrento Valley Road bridge (access from Sorrento Valley Road)
- Del Mar Mesa top, south side, no camera station (access from Carmel Mountain Road)

### *Upper*

- Black Mountain Road bridge over Los Peñasquitos Creek (near east end of Los Peñasquitos Canyon Preserve)
- I-15 bridge over Los Peñasquitos Creek, camera station at I-15 bridge (access from Scripps-Poway Parkway)
- Los Peñasquitos Creek at Sabre Springs (access from intersection of Poway Road and Springhurst Road)

## Beeler Canyon

- Lower Beeler Canyon at intersection of Scripps-Poway Parkway and Pomerado Road
- Upper Beeler Canyon at Calmat gravel pit

## Sycamore Creek

- Green Valley Creek near Blue Sky Reserve and Butcher Property, camera station at Old Coach Road bridge (access from Old Coach Road)
- Green Valley Creek and Thompson Creek confluence (access from Old Coach Road)
- San Dieguito River Park (lower Sycamore Creek, Transect #19) (access from Highland Road)

### 2.1.2 SDTT Sign Transects and Camera Stations

- Scripps-Poway Parkway underpass (access from Scripps-Poway Parkway)
- SR-67 culverts, camera stations were placed at the four culverts in this location (access from SR-67)
- Sycamore Creek (San Dieguito River Park) (access from Sycamore Creek Road)
- Lusardi Creek—west end (access from Artesian Road)
- Otay Mesa Road culvert (access from Otay Mesa Road and Corporate Center Drive)
- Sycamore Park Drive (access from SR-67)



- Crestridge Ecological Reserve (access from Rios Canyon Drive)
- Crestridge Ecological Reserve—north (access from Rios Canyon Drive)
- Hollenbeck Canyon, camera stations were placed in three locations (access from SR-94)
- Spring Canyon (access into north end of canyon from Otay Mesa Road)

## 2.2 SURVEY TECHNIQUES

### 2.2.1 Track Station Surveys

Track station transects were approximately 1 km long, generally following roads or trails (human and wildlife) at each study site (Linhart and Knowlton 1975). If no bridge intersected a transect, then five track stations were placed at 250-m intervals along the transect. At bridges (e.g., I-5/I-805 bridges), baited track stations were established near each opening of the underpass to detect wildlife movement on both sides of the undercrossing. In some locations, additional track stations were constructed on either side of a creek. In this situation, track station positions relative to the underpass through which the creek flowed were identical when possible. (See Appendix A for a description of track station placement.) Each track station consisted of a 1-m diameter circle of freshly sifted gypsum, 1 cm deep, scented with liquid carnivore lures (Russ Carman's Pro-Choice and Canine Call, Sterling Fur & Tool, Sterling, Ohio). Tracks on each station were measured and identified to species; tracks with ambiguous identifications were omitted from the analyses. Baited track station surveys are designed to survey for carnivores, and mule deer detections at track stations are largely opportunistic.

The track stations were sampled for 5 consecutive days during summer (June-August 2001) and fall (September-December 2001). For each track station, relative abundance was expressed as the total number of visits recorded for a species, divided by the total sampling effort (Linhart and Knowlton 1975, Diefenbach et al. 1994). A visit was defined as at least one track of a species found at a track station (Conner et al. 1983). An aggregated index (T) was calculated for each species to represent the species visitation rate at each track station transect in each study area. The track station transect index was calculated as (adapted from Crooks and Jones 1999):

$$T_i = v_i / (s_i n_i)$$

$T_i$  = track station index of species visitation along transect i

$v_i$  = total number of stations (s) visited across operative nights (n) by a species in transect i

$s_i$  = number of stations in transect i

$n_i$  = number of nights that stations were operative in transect i

In addition, during the fall survey period, presence/absence surveys were conducted in the portions of each transect between the track stations. After checking track stations, surveyors would search the transect between the individual track stations for wildlife sign





to confirm the presence of a given wildlife species that may not have been detected at track stations. This information was used to compare the track station method with the sign transect method.

### 2.2.2 Camera Surveys

A remotely triggered infrared camera was stationed at transects described in Section 2.1.1 and monitored for at least 1 month during the summer (June-September 2001) and winter (December 2001-January 2002). Cameras were used to verify track identifications at track stations and to estimate the frequency of animals that pass by without visiting track stations. For each camera station, a relative abundance index ( $C$ ) was expressed as the total number of animals recorded for each species, divided by the total sampling effort:

$$C_i = x_i/n_i$$

$C_i$  = index of species visitation at camera station  $i$

$x_i$  = total number of animals of a species photographed at camera station  $i$

$n_i$  = number of nights that camera was operative at camera station  $i$

### 2.2.3 SDTT Sign Transects and Camera Surveys

The SDTT has been conducting track and sign surveys in Los Peñasquitos Canyon since 1996. More recently, the SDTT has expanded into other areas of the county. For purposes of this study, we used SDTT sign transect information to compare with track station transect results for locations where transects or segments of sign transects overlapped track station transects. SDTT also conducted sign surveys specifically for this project in the locations described in Section 2.1.2.

The SDTT conducts wildlife sign surveys on a quarterly basis, using an adaptation of the *Keeping Track* protocol that is used in other similar organizations across the country. Transects are variable in length and are typically divided into sections bounded by checkpoints along each transect. Transects are located on existing trails and fire roads and traverse under bridges. Transects were surveyed between dawn and 11:00 am or between 3:00 pm and sunset in order to take advantage of favorable lighting. All wildlife sign (e.g., tracks, scat, evidence of browse, prey caches, deer beds) is recorded along transects. Data are recorded for individual observations of various wildlife species, (i.e., multiple tracks in one location obviously left by a single individual is counted as one observation). Thus, the number of observations per transect is considered to be a measure of relative abundance for a given species. In this study, SDTT sign transect data are presented as number of species observations per survey period (quarter) for each transect. As the length of each transect is variable, the number of observations per transect is not directly comparable.

The SDTT also installed camera stations in Hollenbeck Canyon and at the SR-67 culverts. Results for these camera stations are presented in tabular form in Appendix B.



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### 3.0 RESULTS AND DISCUSSION

The MSCP preserve design includes habitat linkages to facilitate the movement of wildlife between core areas (especially large mammals), to provide foraging, sheltering, and breeding habitat within some of the larger linkages (especially mesopredators and smaller mammals), and to allow gene flow between subpopulations (for all species). Thus, a particular linkage may serve different uses for different species or even different individuals of the same species. For example, an individual linkage may allow frequent use by a predator through a single home range area as well as provide a movement corridor between two subpopulations for other individuals or species.

Ideally, a functional habitat linkage not only would provide for all of these movement types for all species, they also would provide other functions such as supporting habitat for foraging and breeding for certain species. However, it is difficult to demonstrate empirically that linkages meet these preserve design goals for all species. Therefore, we focus on whether wildlife species are moving through the linkages, that is, using them as movement corridors. The data collected in this study show whether particular wildlife species are using specific wildlife corridor and, to a degree, the relative abundance of the species in the corridor. The data do not quantify the number of individuals, frequency of movement through corridors or chokepoints, the result of their movement through the corridor (e.g., whether they die or successfully breed or forage on the other side), or the persistence or long-term viability of the target populations in the core areas connected by the linkages. Therefore, in the discussion below, we consider a corridor functional for wildlife movement if it can be demonstrated that a species moves through it, without regard to the frequency or number of individuals.

Wildlife corridor monitoring has been focused within movement chokepoints, especially those created by road underpasses or culverts under roads, because these physical constrictions may represent limiting factors in the functionality of the movement corridor. If we can demonstrate that a species uses or moves through the chokepoint, then we infer that the corridor segment is functional, at least at the present time. We focused primarily on large mammals (mountain lion, bobcat, coyote, and mule deer), although we also documented the use of corridors by smaller mesopredators.

The specific techniques used to monitor corridor use vary in their detection rates for different species and in their ability to directly demonstrate movement through chokepoints, such as a bridge underpass or culvert. Sign transects can provide direct evidence of wildlife use *through* an underpass, whereas wildlife movement through the underpass must be *inferred* from track station data collected at either end of the underpass (as track stations were never located beneath an underpass). Cameras placed within chokepoints demonstrate that an animal was *in* the corridor but not necessarily that the animal was *moving through* the corridor.

This section presents results for track station, camera station, and, where available, SDTT sign transect monitoring at each location. We also use these results to infer the current



functionality of these areas as wildlife movement corridors for these species and examine the efficacy of the various monitoring methods. Continued functionality of these areas in the future should not be assumed without continued monitoring. The results are shown in Table 1 and in the figures and tables in Appendices A and B. Where track and camera station indices overlap geographically, they are shown on the same graph to minimize the number of figures. However, the metrics generated by these two methods are not directly comparable, and their presentation on the same graph should not be inferred as an attempt to directly compare the methods. Data from all track stations along a given transect are combined in the figures. Data for individual track stations are included in Appendix A. Results of the SDTT sign transects are presented in Table 1 as presence/absence data only.

### **3.1 TRACK STATION TRANSECTS AND CAMERA STATIONS**

While metrics are shown for all species, the discussion of results for track station transects and camera stations will be confined to the following species: coyote, gray fox, domestic dog, bobcat, and mule deer. No mountain lions or domestic cats were detected at any of the transects or camera stations. The detailed results of these surveys are provided in Appendix A.

#### **3.1.1 Carmel Creek at I-5**

This linkage connects Los Peñasquitos Lagoon, west of I-5, with habitat along Carmel Creek and Shaw Valley, east of I-5. Monitoring was directed at the chokepoint where Carmel Creek flows under the I-5 bridge. No wildlife were detected by cameras (Figure A-1), which appeared functional only in the summer survey period (all exposures from the winter survey period were black). Coyotes, dogs, and mule deer were detected at track stations. No bobcats or gray foxes were detected by either method under the I-5 bridge. All species detected at the Carmel Creek track stations were detected on both sides of the I-5 bridge (Appendix A). All of the species detected at the track stations also were detected by sign surveys (Table 1). In addition, bobcats were detected at this location by sign surveys (Table 1).

From these data, it appears that mule deer, bobcats, and coyotes move to and from Los Peñasquitos Lagoon under the I-5 bridge at Carmel Creek or, alternatively, cross under the I-5/I-805 merge and then travel north to the Carmel Creek area. Therefore, this linkage currently appears to serve as a functional wildlife corridor for mule deer, bobcats, and coyotes. Gray foxes and mountain lion(s) have been detected in this area in the past (CBI 2002b), but their use of this corridor was not confirmed during this survey period.

#### **3.1.2 Shaw Valley**

Three track station transects are in this grouping: Little Shaw Valley (Figure A-2), Big Shaw Valley (Figure A-3), and Lower Shaw Valley (the culverts at the Big Shaw-Little Shaw junction, Figure A-4). The Little Shaw and Big Shaw valleys provide a linkage

**Table 1. Presence (X) or absence (0) of wildlife at survey locations in Fall and Summer 2001 survey periods using different survey techniques.**

Fall 2001	Coyote			Gray Fox			Bobcat			Mule Deer			Opossum			Raccoon		
	SITE	Track Sta.	T.S. sign	SDTT	Track Sta.	T.S. sign	SDTT	Track Sta.	T.S. sign	SDTT	Track Sta.	T.S. sign	SDTT	Track Sta.	T.S. sign	SDTT	Track Sta.	T.S. sign
Carmel Creek at I-5	X	X		0	0		0	X		X	X		X	X		X	X	
Little Shaw Valley	X	X		0	0		X	X		0	X		0	0		X	X	
Big Shaw Valley	X	X		0	0		0	0		0	X		X	X		0	X	
Lower Shaw Valley	X	X		0	X		X	0		0	X		X	X		0	X	
I-5/I-805 Merge	X	X		0	0		0	X		0	X		X	X		0	X	
Del Mar Mesa	X	X		0	0		0	X		0	X		0	0		0	X	
Black Mountain Road Bridge	X	X	X	0	0	0	0	X	X	0	X	X	X	X	X	X	X	X
I-15 Bridge	X	X	X	0	0	0	X	X	X	X	X	X	0	X	0	X	X	X
Penasquitos Creek at Sabre Springs	X	X		0	0		X	X		0	0		0	X		X	X	
Lower Beeler Canyon	X	X		0	0		0	0		0	0		0	0		X	X	
Upper Beeler Canyon	X	X		0	0		X	0		0	X		0	0		0	X	
Green Valley near Blue Sky	X	X		0	0		0	0		0	X		0	0		X	X	
Thompson-Green Valley Creeks	X	X		0	0		0	0		0	X		X	X		X	X	
Sycamore Creek at SDRP	X	X	X	0	0	X	X	X	X	0	X	X	X	0	0	X	X	X

Summer 2001	Coyote			Gray Fox			Bobcat			Mule Deer			Opossum			Raccoon			
	SITE	Track Sta.	Camera	SDTT	Track Sta.	Camera	SDTT	Track Sta.	Camera	SDTT	Track Sta.	Camera	SDTT	Track Sta.	Camera	SDTT	Track Sta.	Camera	SDTT
Carmel Creek at I-5	0	0	X	0	0	0	0	0	X	X	0	X	X	0	0	X	X	0	X
Little Shaw Valley	X	0		0	0		X	0		0	0		0	0		X	0		
Big Shaw Valley	X	X		0	0		X	0		0	X		X	0		0	0		
Lower Shaw Valley	X	X		0	0		X	X		0	X		X	0		0	0		
I-5/805 Merge	X	0	X	0	0	0	X	0	X	X	0	X	X	0	X	X	0	X	
Del Mar Mesa	X			0			0			0			X			0			
Black Mountain Road Bridge	X		X	0		X	X		X	0		X	X		X	0		X	
I-15 Bridge	0	X	X	0	0	X	0	0	X	X	X	X	X	0	X	X	0	X	
Penasquitos Creek at Sabre Springs	X	0		0	0		X	0		0	X		X	0		X	0		
Lower Beeler Canyon	X	0		0	0		0	0		0	0		X	0		X	0		
Upper Beeler Canyon	X	0		0	0		0	0		0	0		0	0		0	0		
Green Valley near Blue Sky	X	X		0	0		X	0		0	X		X	0		X	0		
Thompson-Green Valley Creeks	X	X		0	0		0	0		0	0		0	0		X	X		
Sycamore Creek at SDRP	X	X	X	0	0	X	X	X	X	0	X	X	X	0	X	X	0	X	

Track sta. = track station transects, T.S. sign = sign surveys between track stations, SDTT = SDTT sign transects, and camera = camera stations. Cells left blank indicate the location was not surveyed with that technique.



between Los Peñasquitos Canyon Preserve, Lower Shaw Valley (where Little Shaw and Big Shaw valleys join), and habitat along Carmel Creek. Mule deer were detected only at camera stations at these locations. Bobcats were detected in all three transects. Coyotes, bobcats, and dogs were detected on both sides of the double culverts in the Lower Shaw Valley. No gray foxes were detected at either track stations or camera stations, but fox sign was detected on the east side of the double culverts. The transects had relatively high track indices for domestic dogs, particularly in Big Shaw Valley and Lower Shaw Valley.

From these data, it appears that mule deer, bobcats, and coyotes currently can move through Big and Little Shaw canyons and through the double culverts in Lower Shaw Valley. Therefore, these corridors currently appear to be functional for coyotes, bobcats, and mule deer. The ultimate functionality of the Big and Little Shaw Valley linkages as wildlife corridors is uncertain because of ongoing construction activities on Del Mar Mesa. Potential constraints to wildlife movement through this area can be evaluated only after buildout of Del Mar Mesa is complete. Currently, there is considerable illegal off-road vehicle activity, dumping, and off-leash dogs in this area. Future monitoring will provide an assessment of post-construction use of these linkages by target wildlife species.

### **3.1.3 Lower Peñasquitos Canyon and Del Mar Mesa**

Transects in this group include the I-5/I-805 merge (Figure A-5) and Del Mar Mesa (Figure A-6). The I-5/I-805 merge chokepoint in the lower part of Los Peñasquitos Canyon links Los Peñasquitos Lagoon with habitats in Los Peñasquitos and Lopez canyons and Del Mar Mesa. The Del Mar Mesa transect provides an assessment of wildlife use of the southern edge of the mesa. There was no camera station at Del Mar Mesa, and no wildlife were detected by the I-5/I-805 merge camera station (although there were several humans recorded). Coyotes were detected in both track station transects. A single mule deer track was detected at the I-5/I-805 merge transect. No bobcats or gray foxes were detected at either track station. However, bobcat and mule deer sign was detected between track stations at both locations (Table 1).

The areas at either end of the I-5/I-805 merge chokepoint (i.e., Sorrento Valley Road bridge and the new Vista Sorrento Road bridge) are highly constrained in terms of available area for wildlife movement under the bridges. Very little area is available between the dense wetland vegetation along the creek and the bridge abutments. The creek bottom itself does not appear conducive to movement of large mammals, given the dense vegetation and presence of permanent water. During high flow periods in Los Peñasquitos Creek, surface water levels can rise high enough to inundate much of the area available for wildlife movement between the creek and the bridge abutments. In addition, ongoing freeway construction activities, including the placement of bridge pilings in the areas between the existing bridges, is creating a high degree of disturbance. In spite of these potential constraints, track station results show that coyotes currently use the corridor. SDDT sign transect results show that mule deer and bobcats also use the I-5/I-805 merge corridor (Table 1).



### 3.1.4 Upper Peñasquitos Canyon

The upper part of Los Peñasquitos Canyon links the canyon habitats west of Black Mountain Road with habitats in Poway. Track station transects in this group include Black Mountain Road bridge (Figure A-7), I-15 bridge (Figure A-8), and Los Peñasquitos Creek at Sabre Springs (Figure A-9). There was no camera station at the Black Mountain Road bridge. Domestic dogs, coyotes, bobcats, and mule deer were detected by both methods at the I-15 bridge and Los Peñasquitos Creek at Sabre Springs; except at the latter transect, bobcats were detected only at track stations, and mule deer were detected only at the camera station. At the Black Mountain Road bridge, coyotes, dogs, and bobcats were detected. Gray foxes were not detected at any of these transects. However, wildlife sign surveys confirmed the presence of mule deer and gray foxes under the Black Mountain Road bridge and gray foxes under the I-15 bridge (Table 1).

The corridor chokepoints at the Black Mountain Road and I-15 bridges currently appear to be functional for wildlife movement. While the Los Peñasquitos Creek chokepoint through Sabre Springs is constrained, the track and camera station indices for coyotes and bobcats at Sabre Springs were relatively similar to the Black Mountain Road bridge results. Mule deer were detected in the Sabre Springs chokepoint, albeit many fewer than were detected at the I-15 camera station. Therefore, all three segments of this linkage currently are considered to be functional movement corridors for bobcats, coyotes, mule deer, and gray foxes.

### 3.1.5 Beeler Canyon

Beeler Canyon links the open space along Los Peñasquitos Creek with undeveloped habitat in southeastern Poway and the unincorporated area, including the Sycamore Canyon/Goodan Ranch Open Space Preserves. Two track station transects and camera stations are in this group: Lower Beeler Canyon (Figure A-10) and Upper Beeler Canyon (Figure A-11). Coyotes and dogs were detected at both transects; coyotes were detected at both track stations and camera stations. A single bobcat was detected at a track station, and a single mule deer was detected at a camera station in Upper Beeler Canyon (neither species was detected in Lower Beeler Canyon). Gray foxes were not detected at either location. Sign surveys also confirmed the presence of mule deer in Upper Beeler Canyon but not in Lower Beeler Canyon (Table 1).

Lower Beeler Canyon is highly constrained by roads and high density development, while Upper Beeler Canyon is bordered by low density residential development and a quarry. The new Rancho Encantada development in the City of San Diego will border the south side of Beeler Canyon. Lower Beeler Canyon appears to be a significant impediment to wildlife movement, although coyotes were detected at all track stations in Lower Beeler Canyon. Mule deer, bobcats, and gray foxes were not detected by any method. Track station results and anecdotal observations of wildlife sign (S. Hayden pers. comm.) indicate that the area west of Pomerado Road is not being used frequently by wildlife. The culvert under the intersection of Pomerado Road and Scripps-Poway Parkway is blocked by vegetation and high water, which likely impedes the movement of



animals, and adjacent developments are a source of humans, domestic dogs, and lights. A game trail from the east side of the road appears to cross *over* Scripps-Poway Parkway rather than along the creek under the parkway. Thus, there is evidence that this portion of the linkage is not functional for wildlife movement, other than by coyotes.

Track station indices were generally low for most species in Upper Beeler Canyon. The area through Upper Beeler Canyon is currently not constrained by adjacent development, so it is possible that wildlife use a broad area for movement and are not restricted to the area sampled. The data for this portion of the linkage are not conclusive enough to postulate whether the linkage is functional for wildlife movement.

### **3.1.6 Sycamore Creek**

Three track station and camera transects are in this group: Green Valley Creek near Blue Sky Reserve (Butcher property, Figure A-12), confluence of Green Valley Creek and Thompson Creek (Figure A-13), and San Dieguito River Park (Lower Sycamore Creek, Figure A-14). Green Valley Creek and Thompson Creek in northern Poway are tributaries to Sycamore Creek, which connects the San Pasqual Valley to open space in eastern Poway, such as the Blue Sky Reserve. Coyotes, dogs, bobcats, and mule deer were detected at both the Green Valley Creek near Blue Sky Reserve and Lower Sycamore Creek transects (mule deer were detected only at camera stations). Only coyotes and dogs were detected at the confluence of Green Valley and Thompson creeks track station transects. However, sign surveys confirmed the presence of mule deer at the confluence of Green Valley and Thompson creeks (Table 1).

The section of the linkage along Green Valley Creek near Blue Sky Reserve is highly constrained but currently appears to be a functional movement corridor for coyotes, bobcats, and mule deer, with use by coyotes and bobcats being particularly heavy.

The transect at the confluence of Green Valley Creek and Thompson Creek parallels the Maderas golf course in a riparian area. Signs warning golfers of rattlesnakes and poison oak may keep golfers out of the riparian area, although there is activity from golf carts, construction, and landscaping staff. There are four culverts side-by-side under Old Coach Road. The few data indicate that this part of the linkage is currently functional for coyotes and possibly functional for mule deer, but additional monitoring is needed to confirm this. Bobcats were not detected by any method at this location.

Lower Sycamore Creek is surrounded by conserved open space administered by the San Dieguito River Park. Bobcats, coyotes, and mule deer were recorded here. It appears that this section of the linkage is currently functional for wildlife movement.



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## **3.2 SDTT SIGN TRANSECTS AND CAMERA STATIONS**

The discussion of results for sign transects and camera stations will be confined to the following species: coyotes, gray fox, bobcats, and mule deer. The detailed results of these surveys are provided in Appendix B.

### **3.2.1 Wildlife Corridors**

#### **Scripps-Poway Parkway Underpass**

The Scripps-Poway Parkway underpass was designed to allow north-south movement of wildlife between open space in eastern Poway and in the vicinity of the Sycamore Canyon/Goodan Ranch Open Space Preserves. The SDTT has been surveying this underpass since May 1999 (Figure B-1). The survey results show that coyotes, bobcats, and mule deer used the underpass.

#### **SR-67 Culverts**

SR-67 separates Foster Canyon (San Vicente Highlands) and Iron Mountain open space from areas of eastern Poway and the Sycamore Canyon/Goodan Ranch Open Space Preserves. The SDTT monitored four culverts under SR-67 and detected coyotes, bobcats, and mule deer (Figure B-2). Wildlife use of the individual culverts can be assessed only by examining the results for individual checkpoints (Appendix B tables). The southernmost culvert (#1—checkpoints 1-5) is angled under SR-67, such that the far end is not visible at the entrance to the culvert. Coyotes (as well as opossums and raccoons) were detected using this culvert, which is partially blocked by sediment. The next culvert to the north (#2—checkpoints 6-10) was used by coyotes and bobcats. Mule deer were detected at the approach to the culvert on the west side of the highway but never in the culvert. The third culvert is at Poway Creek, north of Scripps-Poway Parkway (#3—checkpoints 11-15). Coyotes and bobcats used this culvert, but mule deer were not detected at any of the sections associated with this culvert. The final culvert is the northernmost (#4—checkpoints 16-20) and was used by coyotes and bobcats. Mule deer were not detected in any section associated with this culvert.

Camera station results confirmed the use of the culverts by coyotes and bobcats (Appendix B tables). Bobcats were most frequently detected at culvert #3 and least frequently at culvert #1. Coyotes were detected most frequently at culvert #2 and not at all at culvert #4.

#### **Sycamore Creek (San Dieguito River Park)**

Sycamore Creek connects the San Pasqual Valley with open space in northeastern Poway. The SDTT has monitored this location since April 1999 (Figure B-3). The corridor was used by coyotes, bobcats, gray foxes, and mule deer.





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## **Lusardi Creek**

Lusardi Creek runs through the La Jolla Canyon, which provides a connection between the San Dieguito River and Black Mountain open space. The transect in this location was established at the western end of the canyon. Coyotes, bobcats, gray foxes, and mule deer were detected in all sections of this transect (Figure B-4). Mountain lion sign was observed in the middle of the transect in the spring and summer quarters of 2002.

## **Otay Mesa Road Culvert**

The Otay Mesa Road culvert provides a movement corridor that connects Spring Canyon with Dennery Canyon and, ultimately, the Otay River Valley (Figure 2). Coyotes used the culvert regularly (Figure B-5). A single set of bobcat tracks was observed in the culvert itself, although sign was seen outside of either end of the culvert. A single set of mountain lion tracks was observed outside of the north end of the culvert in May 2002. It appears that the lion moved through the culvert into Spring Canyon, as scat was found in Spring Canyon during the same survey period. No mule deer were detected at any of the sections of this transect.

### **3.2.2 Core Areas**

#### **Sycamore Canyon/Goodan Ranch Open Space Preserves**

The Sycamore Canyon/Goodan Ranch Open Space is a large block of conserved land in the unincorporated area. Sycamore Canyon provides a connection between Goodan Ranch and the San Diego River and Mission Trails Regional Park. The SDTT has been surveying a transect along Sycamore Park Drive since February 2000 (Figure B-6). Coyotes, bobcats, gray foxes and mule deer were observed at this location. Mountain lion sign also was detected in the winter and fall quarters of 2000.

#### **Crestridge Ecological Reserve**

The Crestridge Ecological Reserve is a large block of open space in the unincorporated area of the county, administered by the CDFG. The reserve is just north of the northern acquisition boundary for the San Diego National Wildlife Refuge. Habitat on the western end of the reserve comprises a portion of the coastal sage scrub archipelago of the "Lakeside linkage." There are two SDTT sign transects established at Crestridge. The Crest transect has been surveyed since May 1999 (Figure B-7), and the Crest North transect was surveyed in the spring, summer, and fall quarters of 2002 (Figure B-8). Crestridge is currently used by coyotes, gray foxes, bobcats, and mule deer, although mule deer were not detected at the Crest North transect. Mountain lion sign also was detected at both transects.



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## **Hollenbeck Canyon**

The Hollenbeck Canyon Wildlife Management Area and the adjacent Rancho Jamul Ecological Reserve comprise a large block of open space in the unincorporated area of the county that is administered by CDFG. SR-94 separates Hollenbeck Canyon from Rancho Jamul. Three camera stations were established at Hollenbeck Canyon. Sign transect surveys detected coyotes, gray foxes, bobcats, mule deer, and mountain lions (Figure B-9). Camera stations results confirmed the presence of coyotes, bobcats, gray foxes, and mule deer (Appendix B).

## **Spring Canyon (Otay Mesa)**

Spring Canyon is an isolated canyon system in southern Otay Mesa that is part of the Tijuana River drainage. The open space is within the jurisdiction of the City of San Diego. There is a connection between Spring Canyon and open space in and around Dennery Canyon and, ultimately, the Otay River Valley via a culvert under Otay Mesa Road (see Section 3.2.1 Otay Mesa Road Culvert). Sign transect surveys detected coyotes, gray foxes, bobcats, and a mountain lion in Spring Canyon (Figure B-10). As discussed above, the mountain lion appeared to enter Spring Canyon via the Otay Mesa Road culvert, and scat was found at the southernmost station in this transect. No mule deer were detected in Spring Canyon.

## **3.3 COMPARISON OF SURVEY METHODS**

The three survey methods—camera stations, track stations, and SDTT wildlife sign transects—appear to vary with respect to detection of different wildlife species, the sampling effort required, and their standardization and ability to produce comparable metrics. These variations affect the utility of the various methods for quantifying and analyzing trends in wildlife corridor use. The variations among the methods and their implications for MSCP wildlife corridor monitoring are discussed below.

### **3.3.1 Wildlife Species Detection**

CBI (2002b) presents a quantitative comparison of the detection efficiency of three different methods (track station transects, camera stations, and SDTT sign transects) for different wildlife species. The 2002 survey results did not lend themselves to a quantitative analysis because there were not enough survey locations surveyed by all of the different methods. However, results of a visual comparison of these data (Table 1) are consistent with the conclusions in the CBI 2002 report.

Sign transects appear to be the most effective method of detecting wildlife. Counting scat as well as tracks and surveying a relatively larger area is likely to account for the higher frequency of detection by sign surveys relative to the other methods. Sign transects appear to be more effective at detecting bobcats than either camera stations or track stations. Bobcats appear to be wary, or at a minimum, indifferent to the presence of track stations. Of a total of 19 surveys conducted for bobcats, bobcats were detected at



only two track stations where they were not detected in associated sign transects. Sign transects were the only method that detected either mountain lions or gray foxes, but the frequency of detection was low for both species.

Sign transects and camera stations appear to be more effective at detecting mule deer than track stations. This result is not unexpected given that baited track stations are designed for carnivore surveys, and mule deer detections are generally fortuitous. In addition, baited track stations appear to be less effective at detecting carnivores other than coyotes. Because carnivore scent lure is used, it is unclear how this may affect animal behaviors.

Coyotes were detected by all methods; however, camera stations appear to be less effective for detecting coyotes than the other methods. Coyotes are relatively curious and will generally visit at least one track station along the transect (S. Hayden pers. comm.).

Camera stations are the best method of verifying the presence of a species in a given location because no interpretation of a sign in the field is required, but cameras do not provide a large detection radius. In addition, the proper camera location and angle are important to avoid capturing photos of moving vegetation or small animals rather than large mammals.

### **3.3.2 Survey Effort**

The SDTT surveys a given sign transect on 1 day each quarter of the year. Because a larger area is surveyed relative to the other two methods, and because both fresh and historic (old) sign is counted, this method results in a good sample of wildlife presence with a relatively low effort. However, there may be a higher potential for misidentifying sign in some areas using this method, due to weathering of the sign and variation in tracking substrates. Use of gypsum in problematic locations (e.g., hard bottomed-culverts) can help to improve track identifications.

Baited track stations were monitored for a period of 5 days each quarter. Establishing and maintaining the track stations required a relatively higher level of effort, as gypsum and scent lure were brought to each individual station. In addition, track stations were refreshed following visitation/disturbance by wildlife, domestic dogs, or humans.

Camera stations were operated for 1 month each quarter. Stations were visited periodically to check the status of the film in the camera and to replace it as necessary. During this study, cameras were checked every 3 to 10 days during the month they were operating.

### **3.3.3 Survey Metrics**

The SDTT records the number of various types of wildlife sign encountered along segments of each transect. As such, the surveys provide a measure of the frequency of use of the location by wildlife. However, the boundaries of segments within transects are based on changes in terrain or habitat types and, therefore, are of very different lengths



(both within and between transects). In addition, some segments may receive more survey effort than others because of the quality of tracking substrate and heavy use by wildlife. For example, areas under bridges comprise individual segments of transects. These segments often are surveyed more intensively, by design, than areas to either side of the bridge. Therefore, the results of the sign transect method, as it is now implemented by the SDTT, do not lend themselves well to the development of metrics that are comparable between transects. This method does provide a good estimate of whether a particular species is present in a particular area. Metrics generated by this method may also be more appropriate for comparing the same area (transects or segments of transects) between different time periods.

Track station transect results are summarized as the proportion of survey nights that a particular wildlife species visits each station, as evidenced by tracks. The method does not provide information on the number of individuals visiting a track station during a sampling period, but rather whether a species was detected or not detected on each night of the survey at each station. In this study, sign other than tracks (e.g., scat) was not recorded at the track station and, therefore, does not factor into the computation of track station metrics. The value of the track station metric always varies between 0 and 1. Track stations provide a standardized, quantitative method for both temporal and spatial comparisons. However, the existing track station method does not provide direct evidence of the use of corridors under bridges or roads (i.e., track stations are not located under bridges or within culverts) and appears to be biased against detecting certain species (e.g., mule deer).

Camera station results are expressed as the number of animals of a given species detected per camera night. In contrast to the track station method, multiple animals in individual photographs are recorded and included in the calculation of the survey metric. Therefore, the camera station metric can have a value greater than 1. Camera station results would be more comparable to track station results if multiple animals of a given species in a single photograph were not counted separately, but rather counted as “present,” regardless of the number of animals photographed. Camera stations do not provide direct evidence of corridor use under bridges and roads and appear to be biased against detecting certain species (e.g., coyotes and opossums). Comparing camera station results between locations is also problematic because of the variations in the width of the wildlife movement corridor (i.e., are animals “forced” closer to the camera when they move through a narrow corridor?).





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## 4.0 RECOMMENDATIONS

### 4.1 HABITAT MANAGEMENT NEEDS

The MSCP biological monitoring program is intended to assess compliance with the biological goals of the MSCP, measure the effectiveness of the preserve design, and inform adaptive management decisions. CBI (2002b) provided habitat management measures by monitoring location. All of these measures remain to be implemented. Following is a summary of habitat management measures applicable to culvert and bridge locations, which should be implemented as part of the MSCP adaptive management program. Future monitoring efforts must be conducted to evaluate the effectiveness of these measures.

1. Provide additional vegetative cover where needed to encourage passage (e.g., between the marsh habitat on either end of the I-5 bridges at Carmel Creek).
2. Monitor and control the deposition of sediment in culverts and under low bridges, which may decrease the height of the culvert/bridge relative to ground surface in the corridor.
3. Maintain irrigation systems to ensure that the culverts do not fill with water.
4. Remove debris in the creek and adjacent to the creek or culvert to decrease flooding of the corridor. Control the abundance of vegetation under bridges to maintain passable areas for wildlife (e.g., Pomerado Road, I-5/I-805 merge).
5. Require restoration of the linkage area after construction (e.g., Shaw Valley).
6. Fence the open space linkage to preclude motor vehicles and bikes and to keep wildlife off roads (e.g., I-5/I-805 merge, Del Mar Mesa, Shaw Valley).
7. Erect fencing along the edge of housing developments to discourage entrance by dogs, cats, and people into the habitat area (e.g., Shaw Valley).
8. Install new wing fencing or ensure that existing wing fencing extends far enough on either side of the underpass or culvert (e.g., Pomerado Road, Scripps-Poway Parkway).
9. Collect spatially accurate information on roadkills in the vicinity of monitoring stations, and review roadkill data to evaluate effectiveness of the corridor (see Section 4.3).
10. Remove fencing that may restrict movement (e.g., Shaw Valley and the eastern, undeveloped portion of Del Mar Mesa).
11. Erect signs that prohibit dumping of trash in the linkage area, and enforce dumping restrictions.
12. Maintain a regular trash removal program at all wildlife chokepoints.
13. Increase ranger patrol to enforce restrictions requiring dogs to be on leashes and to enforce legal recreational uses (e.g., Del Mar Mesa, Shaw Valley).



14. Request the removal of migrant camps (e.g., Los Peñasquitos Creek at I-15).
15. For corridors that do not appear to be functional for some species, evaluate the feasibility of providing an additional passageway, a bridge instead of a culvert, or conservation of additional habitat (e.g., Pomerado Road, SR-67 culverts, area adjacent to Butcher property in Poway near Blue Sky Reserve).
16. Establish a community education program to inform residents about the need to protect wildlife corridors.

## **4.2 SURVEY METHODS**

Of the three survey methods currently used to monitor wildlife movement, none by itself appears to provide an entirely suitable protocol for MSCP surveys. The SDTT sign transects appear to provide the most consistent detection of a variety of species and are relatively less effort than the other methods. However, as currently used by the SDTT, the sign transect method does not provide comparable results between locations. We recommend that the SDTT method be modified to establish standard 1-km long transects at all monitoring locations. The transects should be positioned such that equal lengths are on either side of any underpasses or culverts. The transects should be divided into segments, so that individual portions of the transect can be assessed separately (e.g., area under a bridge vs. area outside of the bridge). Gypsum should be used in areas with unsuitable substrates for tracking (e.g., within hard-bottomed culverts).

Individuals who perform wildlife corridor surveys must have appropriate training and experience. Detecting and identifying wildlife sign, under variable conditions, can be extremely challenging and is not a standard skill possessed by most biological consultants and other professional biologists. The SDTT offers regularly scheduled wildlife tracking training courses. These courses should be required for individuals conducting wildlife corridor monitoring, unless suitable experience can be demonstrated.

Camera stations should be restricted to chokepoints, e.g., underpasses or other constrained portions of the linkage (constrained either by natural topographic features or urban land uses). We consider the computation of camera station metrics to be of little value for comparing results at different locations. However, the camera station results can be used to positively identify wildlife species and to provide pictures for use in public education programs.

## **4.3 COLLECTION AND MAPPING OF ROADKILL DATA**

The MSCP Biological Monitoring Plan (Ogden 1996) requires that roadkill data be collected and mapped in the vicinity of monitored habitat linkages. While the cities of San Diego and Poway and the County of San Diego collect roadkill data, the data are not stored in a fashion that is easily retrievable for analysis. The data are stored by date, rather than by location. Often the location data are not specific enough to be mapped (e.g., do not include an address or mile marker).



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CBI (2002a) recommends that the cities and the County begin filing roadkill data by location. At a minimum, logs for specific priority areas could be filed separately for ultimate entry into a GIS database. CBI (2002a) developed a list of roads recommended as priorities for collection of roadkill data (Table 2) and presented these at a meeting of the Science Advisory Committee for the San Diego Tracking Team (July 9, 2002). The city and county staff representatives agreed to consider these recommendations for incorporation into MSCP monitoring.

The priority roads cross or are adjacent to designated wildlife movement corridors that are proposed for monitoring as part of the MSCP Biological Monitoring Plan (Ogden 1996). Recording and mapping roadkill data from these areas would supplement the field program for monitoring wildlife tracks and scat. Roadkill data could also help to inform management decisions for enhancing wildlife movement corridors, extending perimeter fencing along roads, improving underpass conditions, and recommending locations for retrofitting of roads to make them more permeable to wildlife movement (e.g., construction of underpasses). Such a system of data collection and recording would be a low-cost method for monitoring the effectiveness of the designated wildlife movement corridors and road underpasses and would provide justification for any recommended road improvements to minimize wildlife mortality. CBI recommends that future MSCP subarea plans include collection and mapping of roadkill data as a monitoring requirement for specific locations. CBI also recommends that jurisdictions with already approved subarea plans work toward incorporating this procedure for specific locations in their monitoring programs.

#### **4.4 FUTURE MONITORING LOCATIONS**

CBI (2003) has made recommendations for MSCP wildlife linkage monitoring locations (Table 3). Monitoring should be conducted annually for 3 years at all new locations (i.e., where there has been no previous linkage monitoring). Annual monitoring at the locations included in this report should be continued until management recommendations have been implemented and the data demonstrate that the section of the linkage is functional for wildlife movement. Thereafter, the wildlife agencies should determine the appropriate frequency of monitoring, but at least every third year. In areas undergoing construction or anticipating buildout in the near future, monitoring should continue annually for at least 3 years following completion of construction activities. At selected chokepoints, deemed critical by the wildlife agencies, monitoring should be annual.

#### **4.5 SAN DIEGO TRACKING TEAM SUPPORT**

The U.S. Fish and Wildlife Service (USFWS), CDFG, and MSCP jurisdictions should continue working with the SDTT to focus its transects at MSCP linkage monitoring locations. USFWS and CDFG should work with the SDTT to standardize survey design so that results are suitable for MSCP monitoring analyses. For areas that benefit the MSCP monitoring program, the wildlife agencies and jurisdictions should assist the



**Table 2**  
**Priority areas for monitoring roadkill in MSCP planning area**

<b>Link #</b>	<b>General Location</b>	<b>Road</b>	<b>Section of Road</b>	<b>Jurisdiction</b>
L-1	Rancho Cielo/San Dieguito River			
L-2	Lake Hodges/San Pasqual Valley	Bandy Canyon Road		County
L-3	San Pasqual Valley/North Poway (Highland Valley)	Highland Valley Road	Pomerado Rd. to Bandy Canyon Rd.	City/County
L-4	Santa Fe Valley (Lusardi Creek)			
L-5	Gonzales Canyon	Black Mountain Road	SR 56 across Gonzales & McGonigle Cyns	City
L-6	McGonigle Canyon	Black Mountain Road	SR 56 across Gonzales & McGonigle Cyns	City
L-7	Old Coach Rd/Blue Sky Reserve	Old Coach Road	Espola Road to Old Coach Way	Poway
L-7	Old Coach Rd/Blue Sky Reserve	Espola Road		
L-8	Central Poway	Poway Road	Espola Road to SR 67	Poway
L-9	Torrey Pines/Penasquitos Cyn	I-5/I-805 merge	Sorrento Valley Rd to Carmel Valley Rd	Caltrans
L-9	Torrey Pines/Penasquitos Cyn	Sorrento Valley Blvd./Calle Cristobal	through Los Penasquitos Canyon Preserve	City
L-10	Penasquitos Cyn/South Poway (Beeler Canyon)	Black Mountain Road	across Los Penasquitos Canyon Preserve	City
L-10	Penasquitos Cyn/South Poway (Beeler Canyon)	Frontage Road	Scripps-Poway Pkwy to Poway Road	City
L-10	Penasquitos Cyn/South Poway (Beeler Canyon)	Beeler Canyon Road		Poway
L-11	South Poway/Santee (Sycamore and Clark Canyons)	Scripps-Poway Pkwy	Pomerado Rd. to SR 67	Poway
L-12	South Poway/Santee (Sycamore and Clark Canyons)	Pomerado Road		
L-11	South Poway/Santee (Sycamore and Clark Canyons)	Sycamore Canyon Rd.	through Sycamore Canyon Open Space	Poway/County
L-11	South Poway/Santee (Sycamore and Clark Canyons)	Sycamore Park Dr.	through Sycamore Canyon Open Space	County
L-12	Lakeside/Crest/El Cajon	N/A		
L-13	Harbison Cyn at I-8	Harbison Canyon Rd.	I-8 to Dehesa Road	County
L-14	Southern Harbison Cyn	Dehesa Rd.	Harbison Canyon Rd. to Willow Glen Dr.	County
L-15	McGinty Mesa/Rancho San Diego (Middle Sweetwater River)	SR 94	across refuge lands	County
L-16	Sweetwater Reservoir/Rancho Del Rey	N/A		

**Table 2**  
**Priority areas for monitoring roadkill in MSCP planning area**

Link #	General Location	Road	Section of Road	Jurisdiction
L-17	San Miguel Mtns/Proctor Valley/Jamul Mtns (Otay Ranch)	Proctor Valley Road	across refuge lands	County
L-17	San Miguel Mtns/Proctor Valley/Jamul Mtns (Otay Ranch)	Otay Lakes Road	Otay Lakes to SR 94	County
L-18	Hollenbeck Canyon	SR 94	Jamul to Barrett Junction	Caltrans
L-19	Poggi Canyon	N/A		
L-20	Jamul Mtns/San Ysidro Mtns (Little Cedar and Cedar Cyns)	Otay Lakes Road	Otay Lakes to SR 94	County
L-21	Jamul Mtns/SE side of Lower Otay Lake	Otay Lakes Road	Otay Lakes to SR 94	County
L-22	Otay River Valley/West Otay Mesa (Dennerly Cyn)	new road	mouth of Dennerly Canyon to Otay River	City
L-23	Otay River Valley at Hwy 125 crossing	N/A		
L-24	O'Neal Canyon			
L-25	Spring Canyon	Otay Mesa Road	Dennerly Canyon to Spring Canyon	County
L-26	Salt Creek	Otay Lakes Road	at Salt Creek crossing	County
L-27	East Otay Mesa	Alta Road		County
L-27	East Otay Mesa	Otay Mesa Road/SR 905		Caltrans
L-28	San Ysidro Mountains East	SR 94	Dulzura to Barrett Lake Road	Caltrans
L-29	Marron Valley	SR 94	Jamul to Barrett Junction	Caltrans
<b>Other</b>				
	Penasquitos Canyon/Lopez Canyon	Camino Santa Fe	across Lopez Canyon	
	Carmel Valley/Del Mar Mesa	Carmel Country Road		
	Carmel Valley/Del Mar Mesa	El Camino Real		
	Miramar/Mission Trails	SR 52	I-15 to Mast Blvd.	Caltrans
	Poway/San Vicente	SR 67	SR 52 to Ramona	Caltrans
	San Vicente	Wildcat Canyon Rd.	SR 67 to San Vicente Road	County
	Crestridge to Refuge	La Cresta Road	Greenfield Dr. to Mountain View Rd.	County
	San Pasqual Valley	SR 78	Escondido to Ramona	Caltrans
	Hollenbeck Canyon	Honey Springs Road		

Link # = Regional habitat linkage monitoring locations from MSCP Biological Monitoring Plan (Table 4-1).



**Table 3. Recommended MSCP regional habitat linkage monitoring locations**

Site	Location
L-1	Lake Hodges north to MHCP (via Derbas property—requires future evaluation)
L-2	Lake Hodges—San Pasqual Valley at I-15 bridge
L-3	San Pasqual Valley—North Poway along Sycamore Creek
L-4	Lusardi Creek at (A) west end near confluence with San Dieguito River, (B) future Carmel Valley Road undercrossing near connection to Black Mountain open space, and (C) future Camino Ruiz undercrossing
L-5	Gonzales Canyon at (A) future Black Mountain Road undercrossing, (B) future SR-56 undercrossing, and (C) El Camino Real
L-6	McGonigle Canyon at (A) Carmel Valley Road bridge and (B) Camino Ruiz bridge (connection to Lusardi Creek open space)
L-7	Old Coach Road—Blue Sky Reserve at (A) confluence of Green Valley Creek and Thompson Creek and (B) Green Valley Creek at Old Coach Road (Butcher property)
L-8	Central Poway at Scripps-Poway Parkway undercrossing
L-9	Torrey Pines State Reserve—Los Peñasquitos Canyon at (A) Los Peñasquitos Creek at I-5/I-805 merge bridges and (B) Carmel Creek at I-5 bridge
L-10	Los Peñasquitos—South Poway at (A) Los Peñasquitos Creek at I-15, (B) Los Peñasquitos Creek at Sabre Springs, (C) Lower Beeler Canyon at Pomerado Road and Scripps-Poway Parkway, and (D) Upper Beeler Canyon upstream of quarry
L-11	South Poway—Santee at (B) culverts under SR-67 (requires future evaluation at potential Sycamore Canyon chokepoint)
L-13	Crestlake Canyon at Bullard Lane (requires future evaluation)
L-14	Southern Harbison Canyon at (A) Dehesa Road school and (B) transmission line easement north of Dehesa Road (requires future evaluation)
L-15	McGinty Mesa—Rancho San Diego—middle Sweetwater River at SR-94 bridge (requires future evaluation at potential chokepoints east of SR-94).
L-17	Proctor Valley at future chokepoint (requires future evaluation)
L-18	Hollenbeck Canyon—Rancho Jamul at (C) Jamul Creek at SR-94 bridge, (D) Hollenbeck Canyon drainage at SR-94, and (E) Dulzura Creek at SR-94 bridge
L-20	Dulzura Creek future chokepoint (requires future evaluation)
L-21	Little Cedar Canyon at Otay Lakes Road (requires future evaluation)
L-22	Dennerly Canyon at (A) Otay River Valley (new road), (B) Otay Mesa Road, and (C) upstream end of Dennerly Canyon (C requires future evaluation)
L-24	O'Neal Canyon at Alta Road
L-28	Cottonwood Creek at SR-94 bridge
L-30	Del Mar Mesa at (A) Little Shaw Valley, (B) Big Shaw Valley, and (C) Lower Shaw Valley



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SDTT with funding to support a volunteer coordinator, purchase cameras and related supplies, and conduct training workshops. The wildlife agencies should provide or assist in providing funding to enter and manage data collected by the SDTT, provide quality assurance review, and conduct data analyses. The SDTT is working toward expanding its membership to conduct surveys in other areas of San Diego County. The wildlife agencies should incorporate SDTT efforts at the National Wildlife Refuges and state reserves by encouraging "Friends" groups in the vicinity of federal and state lands to participate in training workshops.

#### **4.6 DATA ANALYSIS AND DATA MANAGEMENT**

The wildlife agencies should provide a centralized database for incorporating results of SDTT and MSCP corridor monitoring that is accessible to the SDTT, jurisdictions, and academic institutions. The results of both the SDTT and MSCP monitoring should be analyzed to assist in formulating and evaluating implementation of management recommendations. The wildlife agencies should work with the MSCP jurisdictions to implement management recommendations to ensure that the MSCP linkages are functional for wildlife movement over the long term.





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## 5.0 LITERATURE CITED

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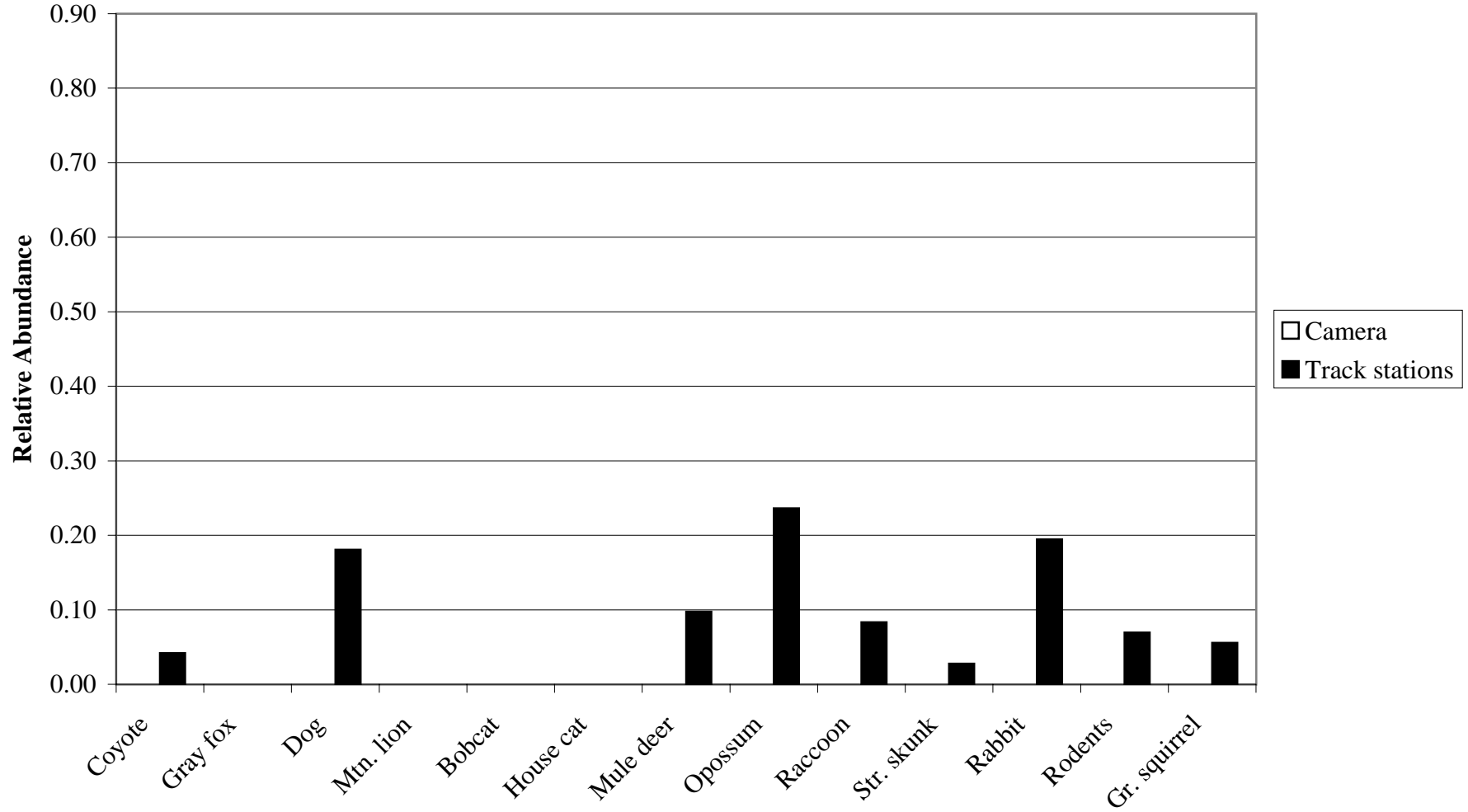
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## **APPENDIX A**

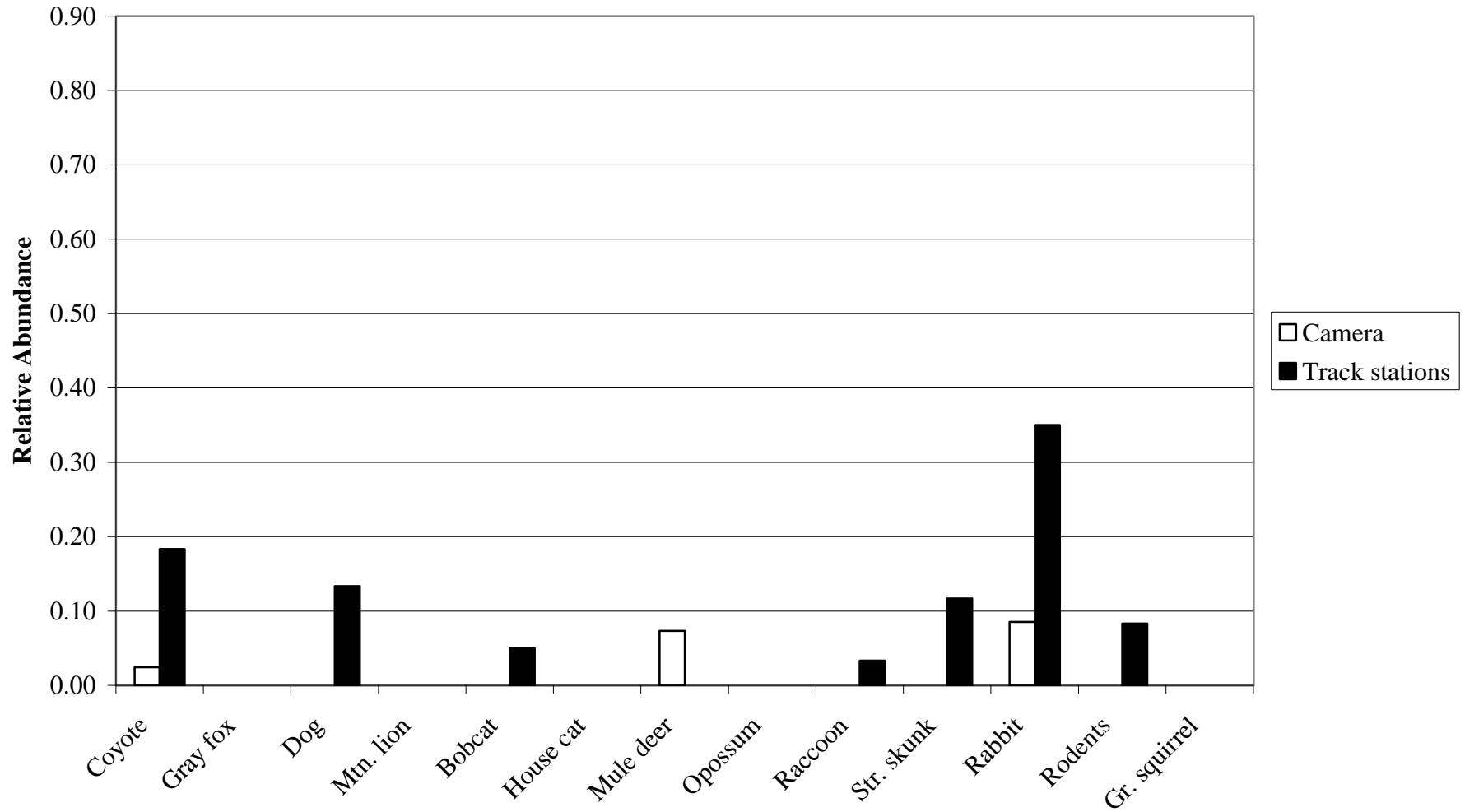
### **TRACK STATIONS AND CAMERA STATIONS DATA**



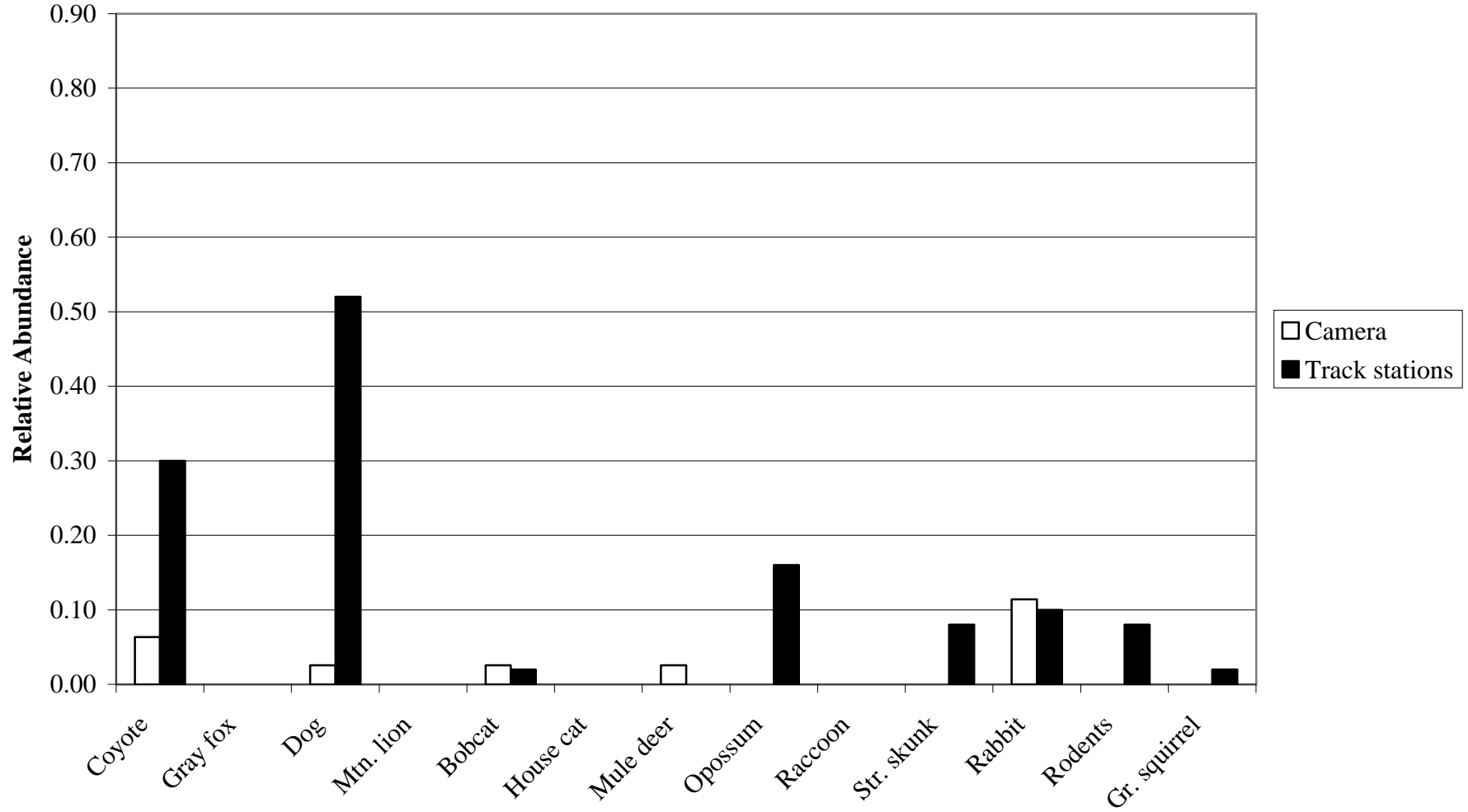
**Figure A-1**  
**Carmel Creek at I-5**



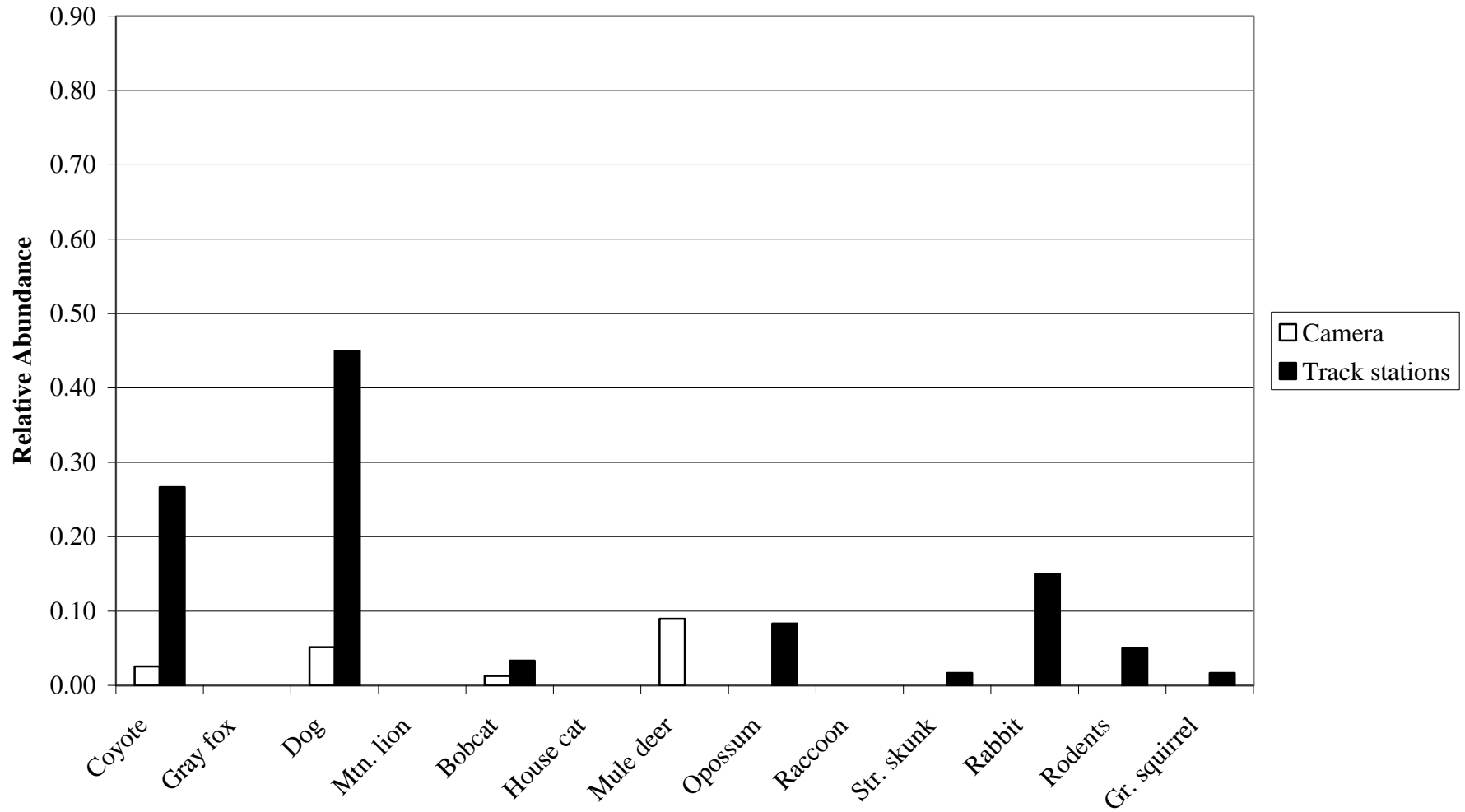
**Figure A-2**  
**Little Shaw**



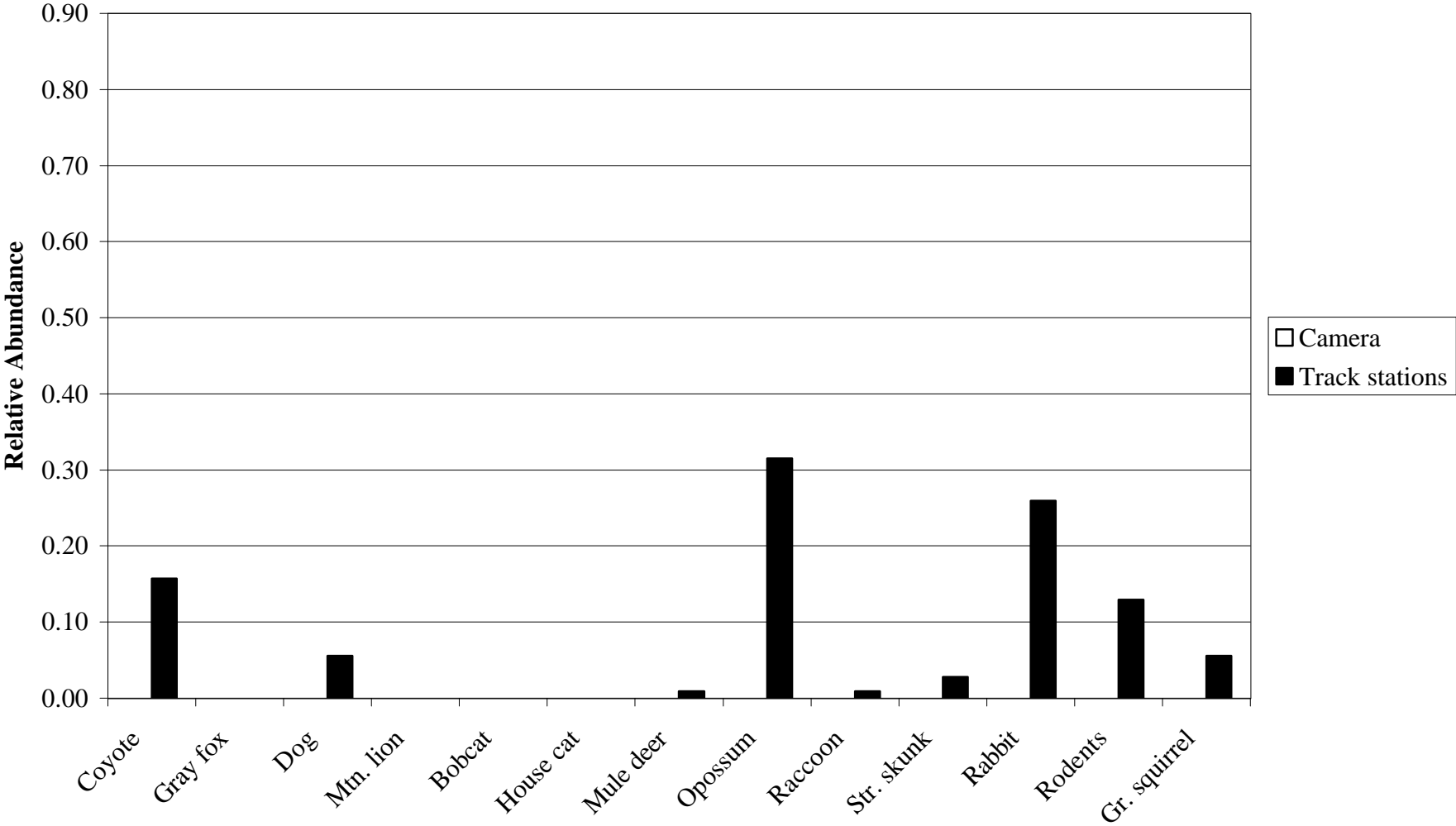
**Figure A-3**  
**Big Shaw**



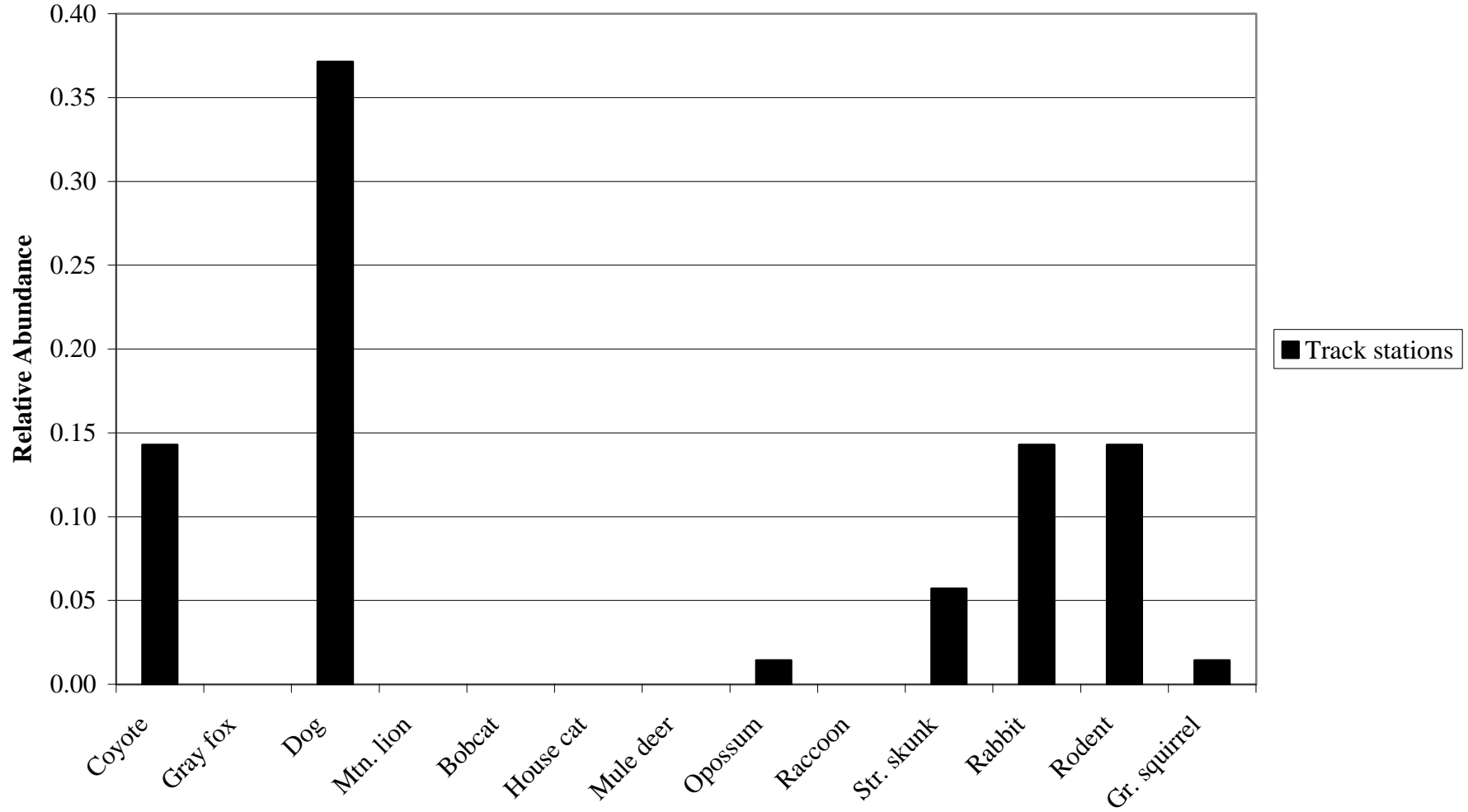
**Figure A-4**  
**Big Shaw-Little Shaw Culverts**



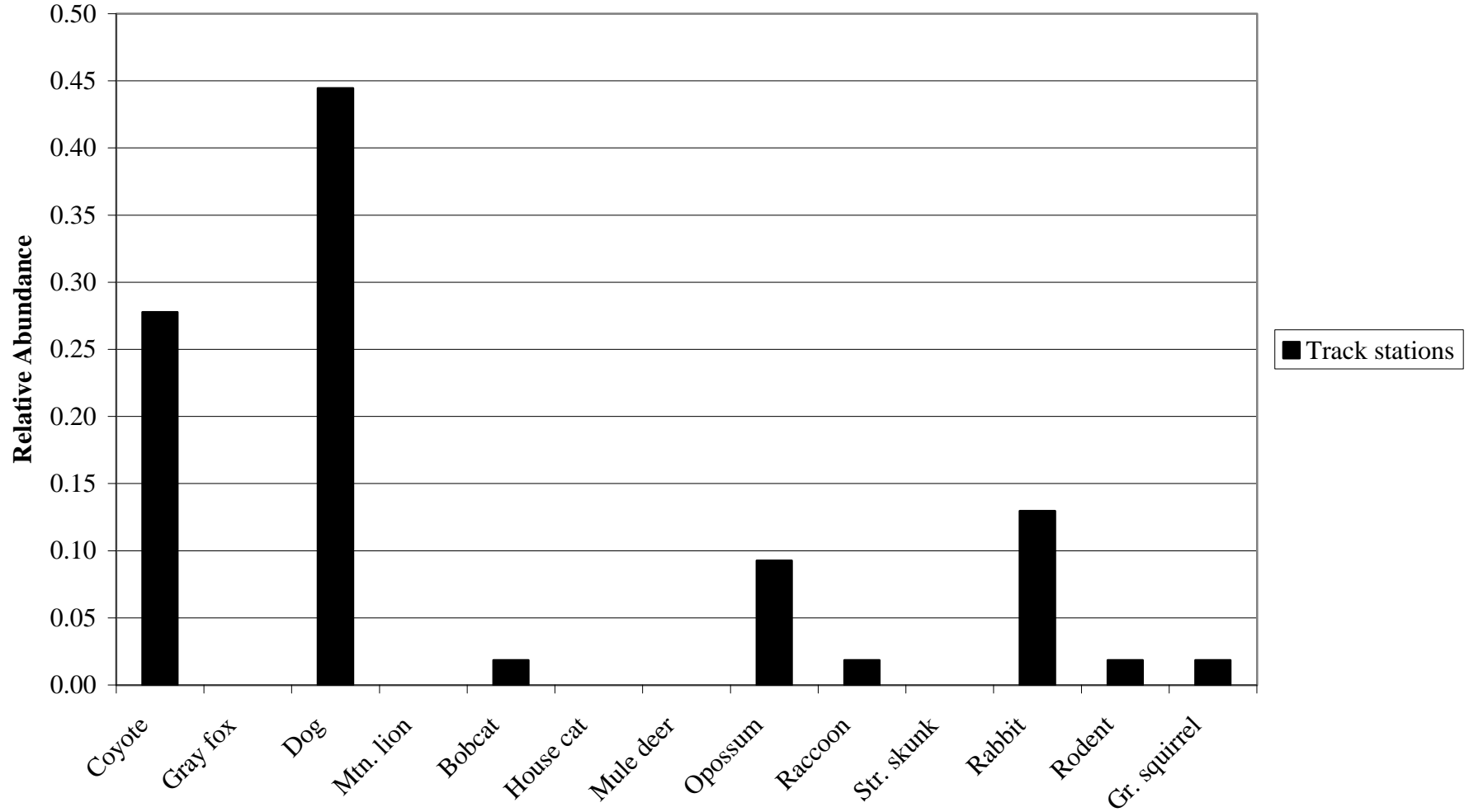
**Figure A-5**  
**I-5/805 Merge**



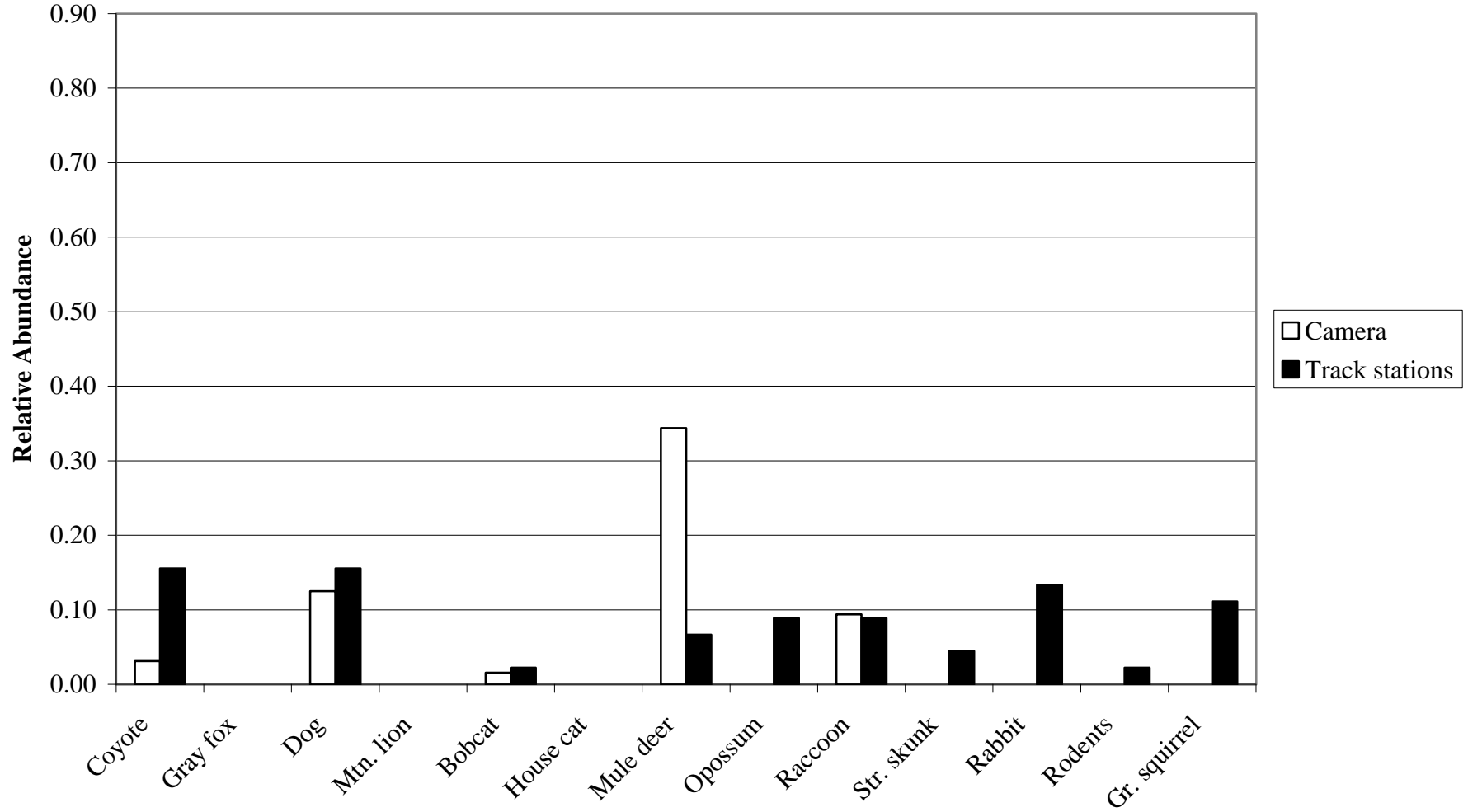
**Figure A-6**  
**Del Mar Mesa**



**Figure A-7**  
**Black Mountain Rd Bridge**

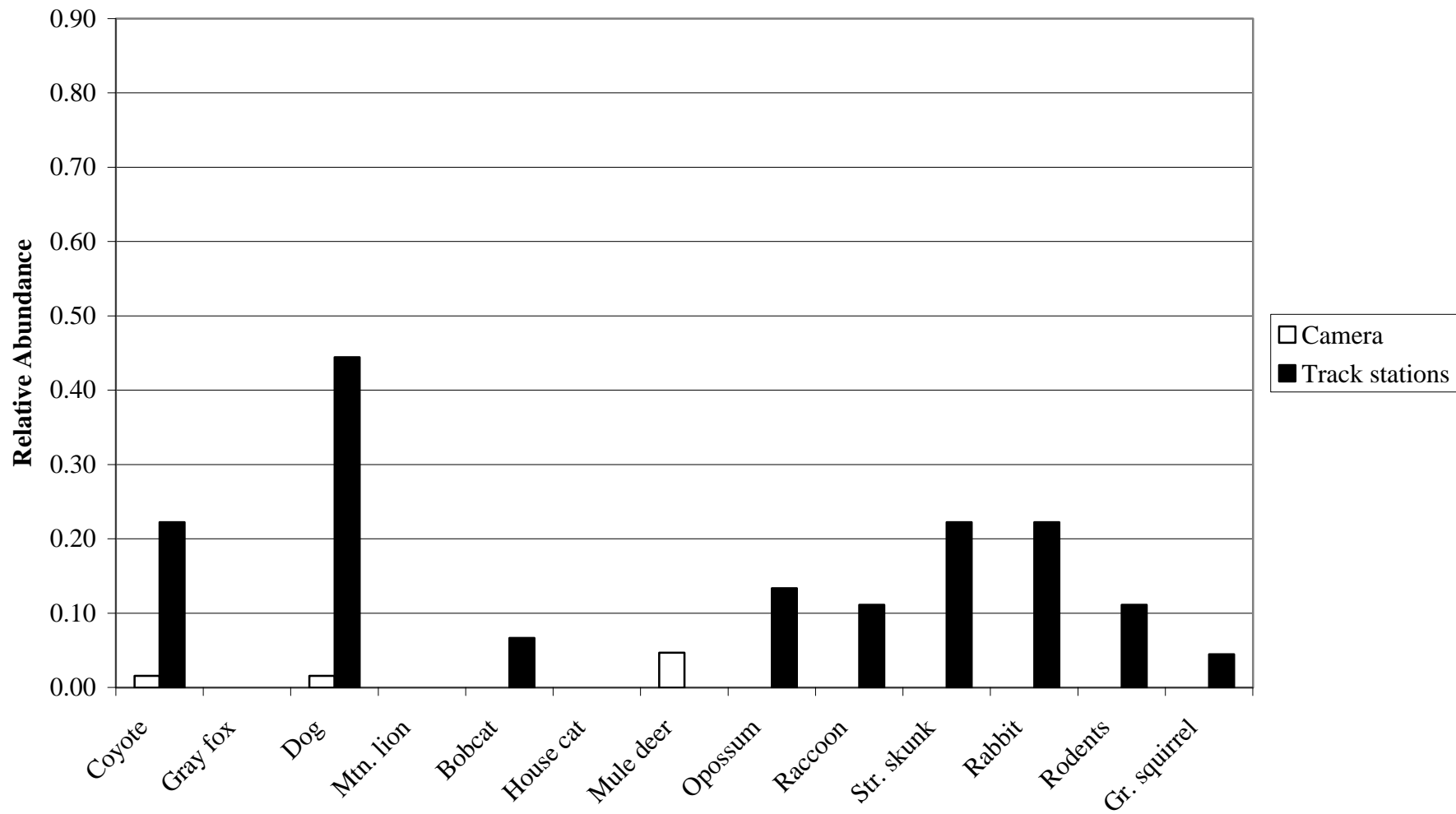


**Figure A-8**  
**I-15 Bridge**

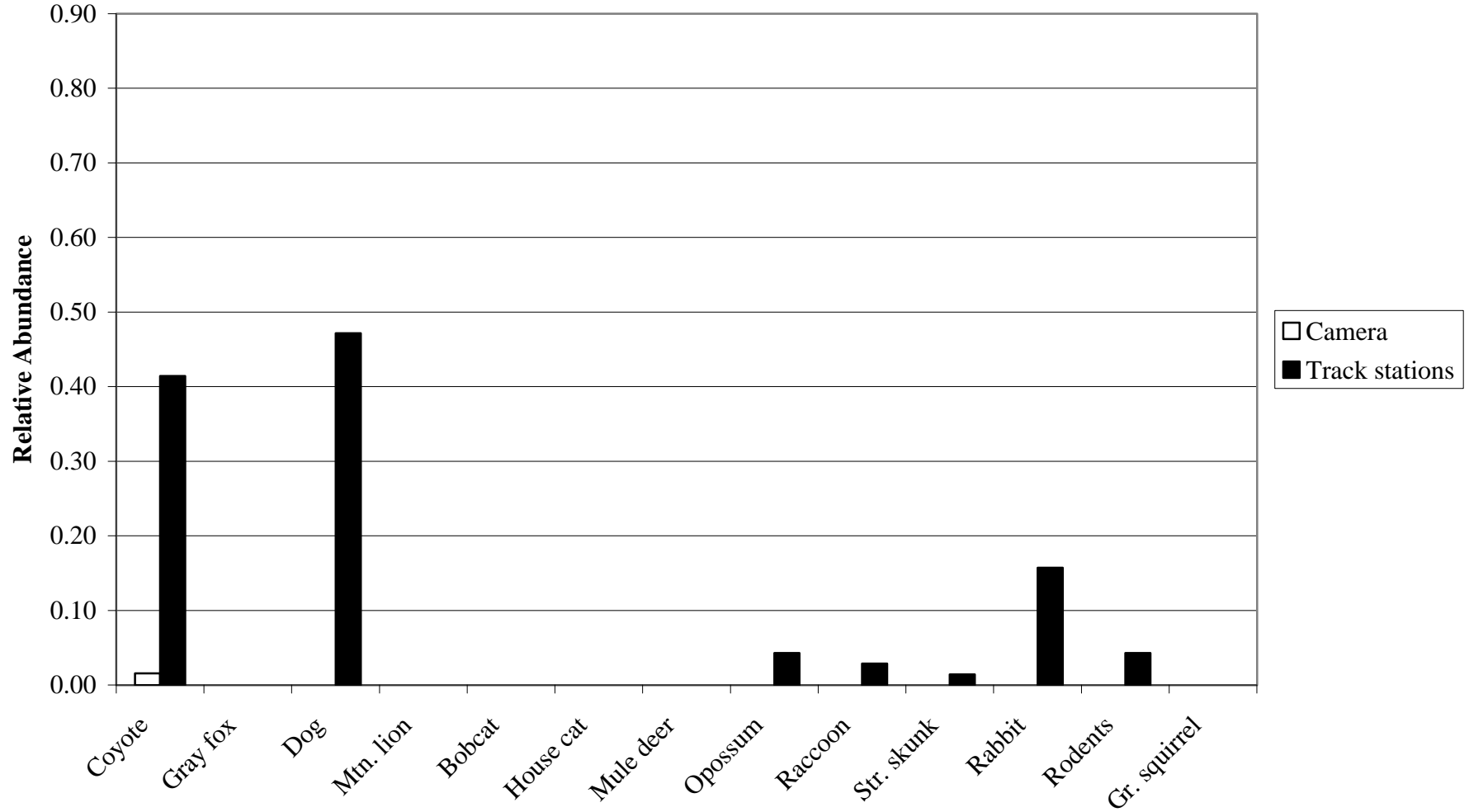




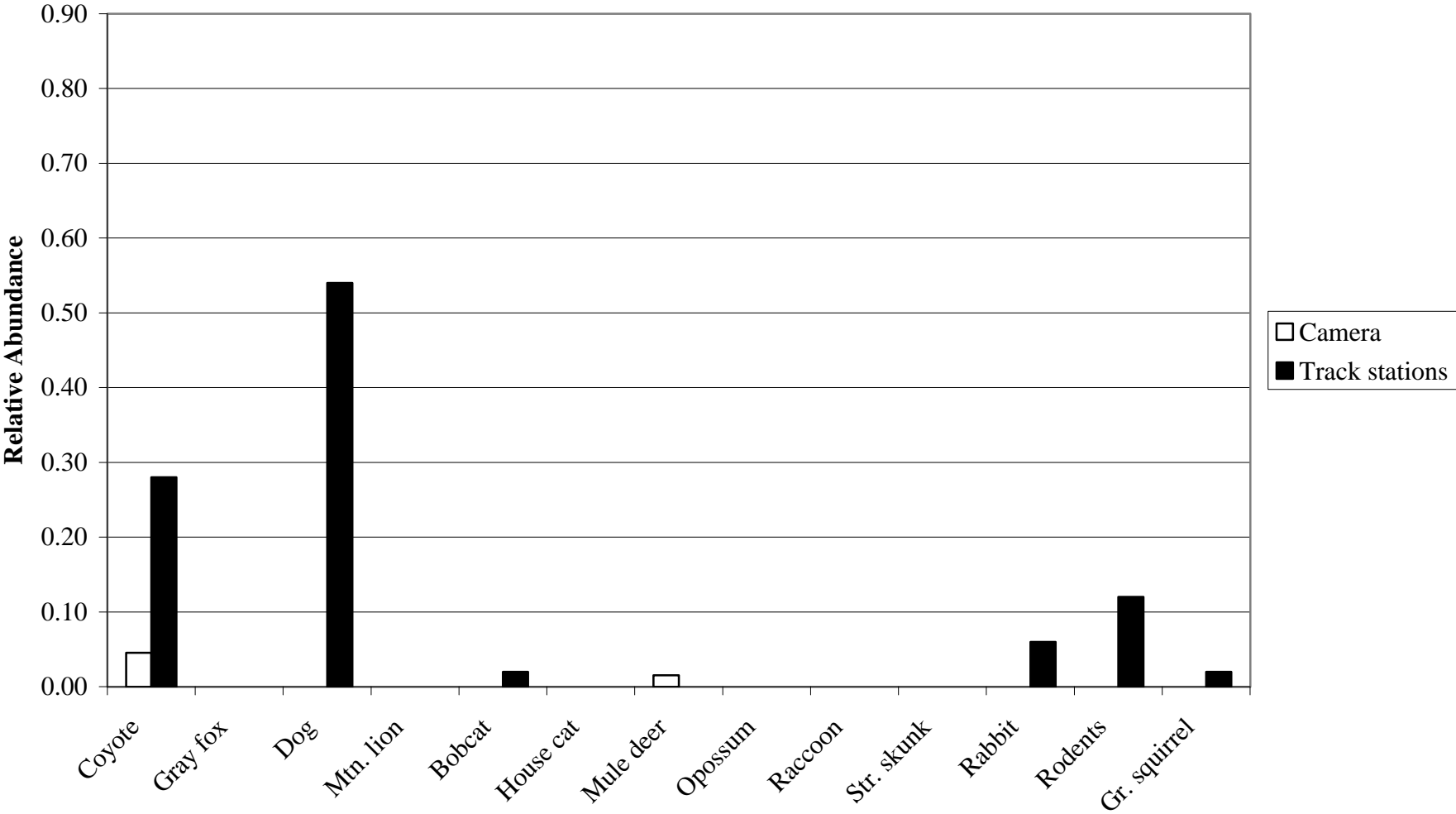
**Figure A-9**  
**Los Penasquitos Creek at Sabre Springs**



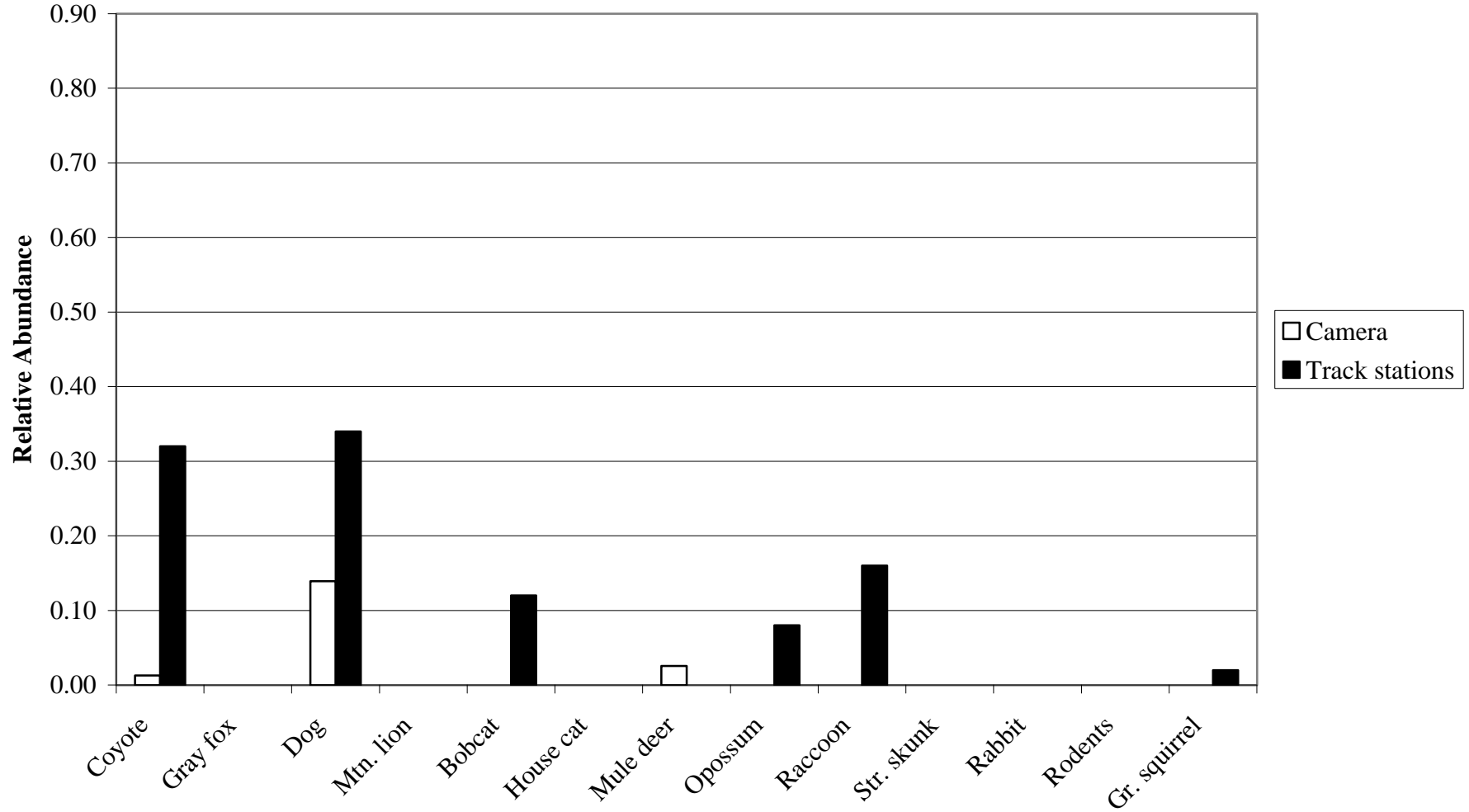
**Figure A-10**  
**Lower Beeler Canyon**



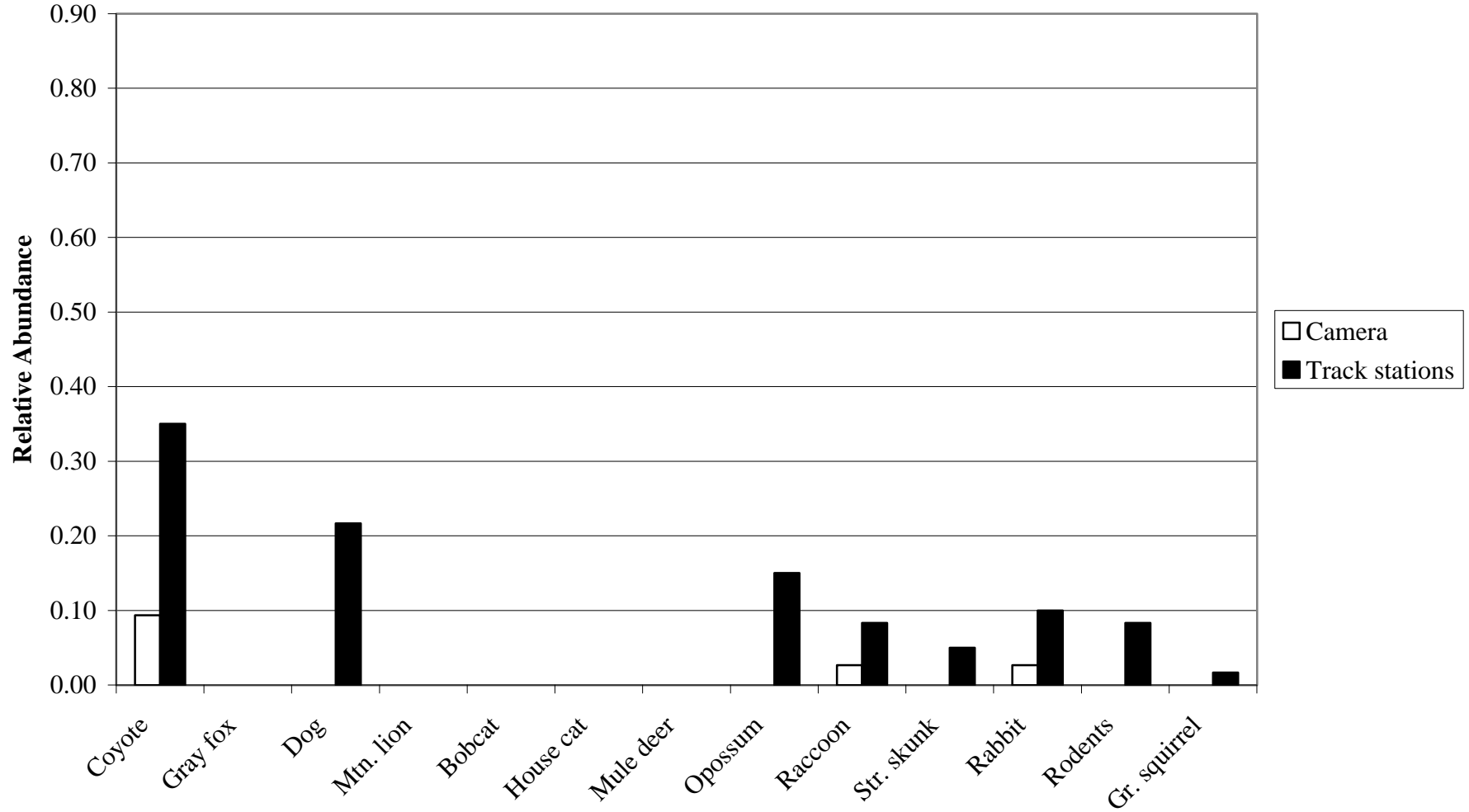
**Figure A-11**  
**Upper Beeler Canyon**



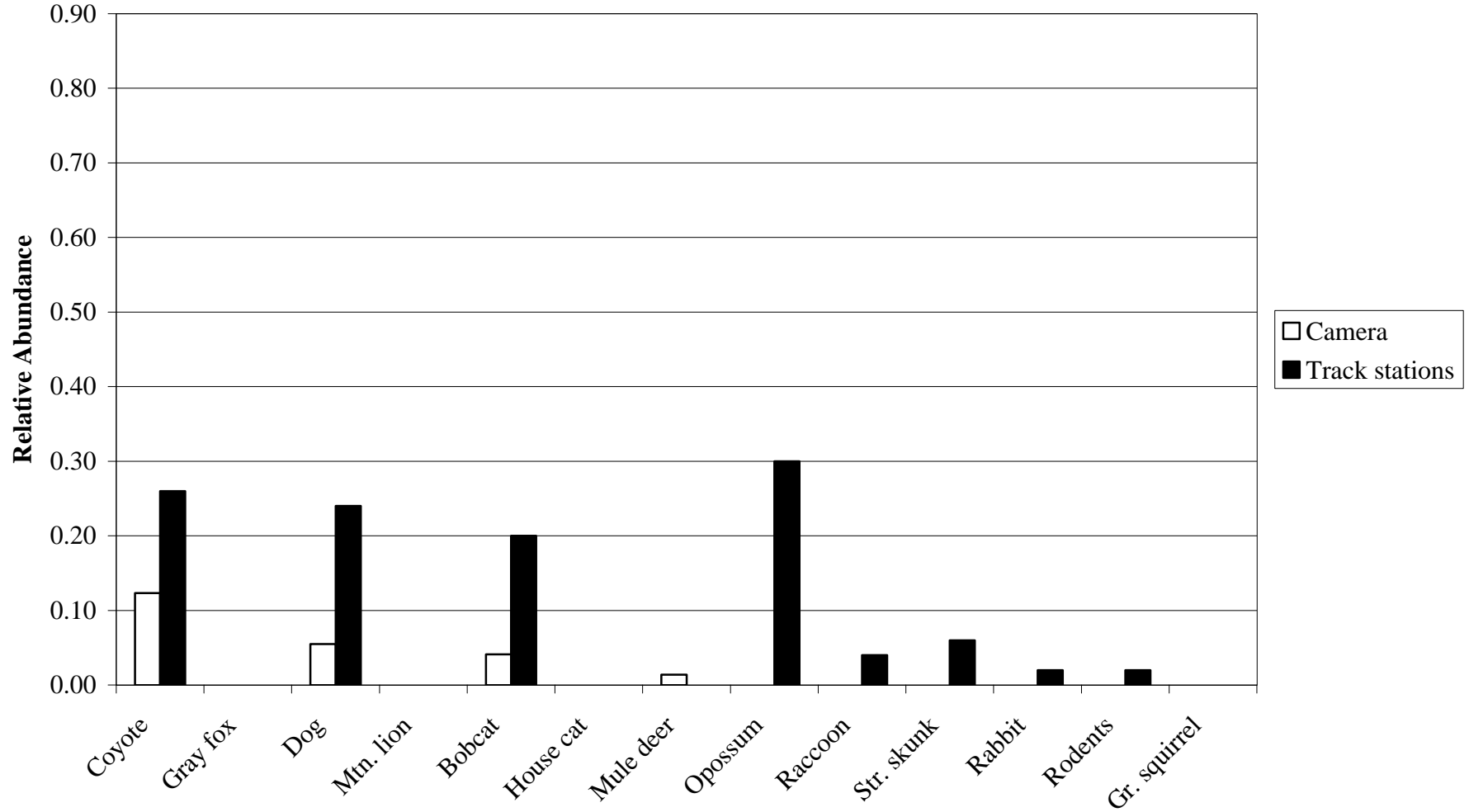
**Figure A-12**  
**Green Valley Creek Near Blue Sky Reserve**



**Figure A-13**  
**Green Valley and Thompson Creeks Confluence**



**Figure A-14**  
**San Dieguito River Park**



**Appendix A**  
**Total Track Station Indices (Summer + Fall 2001)**

TRANSECT	STATION	SPECIES											
		Coyote	Fox	Dog	Bobcat	Cat	Mule Deer	Opossum	Raccoon	Skunk	Rabbit	Rodent	Ground Squirrel
I-5/805 Merge	1N	0.11	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.11	0.33	0.22	0.00
	2N	0.11	0.00	0.00	0.00	0.00	0.00	0.78	0.00	0.11	0.22	0.11	0.00
	3A-N	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.11	0.11	0.33	0.44
	3A-S	0.11	0.00	0.00	0.00	0.00	0.00	0.44	0.11	0.00	0.56	0.00	0.00
	3B-N	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.22	0.11	0.00
	3B-S	0.11	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.44	0.11	0.00
	3C-N	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	0.00	0.22	0.22	0.11
	3C-S	0.22	0.00	0.11	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00
	4N	0.44	0.00	0.11	0.00	0.00	0.11	0.22	0.00	0.00	0.22	0.22	0.00
	4S	0.22	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00
	5N	0.33	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.22	0.11
5S	0.22	0.00	0.11	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	
Carmel Creek	1	0.11	0.00	0.67	0.00	0.00	0.00	0.11	0.00	0.11	0.00	0.11	0.00
	2	0.00	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.11	0.22	0.11	0.00
	3A-N	0.00	0.00	0.00	0.00	0.00	0.11	0.44	0.00	0.00	0.33	0.11	0.44
	3A-S	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00
	3B-N	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.33	0.00	0.11	0.00	0.00
	3B-S	0.22	0.00	0.11	0.00	0.00	0.11	0.11	0.11	0.00	0.56	0.00	0.00
	4	0.00	0.00	0.00	0.00	0.00	0.44	0.44	0.22	0.00	0.22	0.00	0.00
	5	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.11	0.22	0.00
Lower Shaw Valley	1	0.30	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
	2	0.60	0.00	0.40	0.10	0.00	0.00	0.40	0.00	0.10	0.10	0.00	0.00
	3A	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
	3B	0.00	0.00	0.50	0.10	0.00	0.00	0.00	0.00	0.00	0.20	0.10	0.10
	3C	0.10	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.00
	4	0.60	0.00	0.50	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.20	0.00

**Appendix A**  
**Total Track Station Indices (Summer + Fall 2001)**

TRANSECT	STATION	SPECIES											
		Coyote	Fox	Dog	Bobcat	Cat	Mule Deer	Opossum	Raccoon	Skunk	Rabbit	Rodent	Ground Squirrel
Little Shaw Valley	1	0.10	0.00	0.00	0.10	0.00	0.00	0.00	0.10	0.20	0.40	0.00	0.00
	2	0.10	0.00	0.10	0.10	0.00	0.00	0.00	0.10	0.10	0.20	0.10	0.00
	3A	0.20	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00
	3B	0.20	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.10	0.60	0.30	0.00
	4	0.40	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.00	0.00
	5	0.10	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.10	0.20	0.10	0.00
Del Mar Mesa	1C	0.10	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.30	0.00
	1M	0.30	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.10	0.30	0.20	0.00
	2C	0.30	0.00	0.50	0.00	0.00	0.00	0.10	0.00	0.10	0.30	0.10	0.10
	2M	0.10	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00
	3M	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.00
	4D	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.00
	4M	0.10	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
Big Shaw Valley	1	0.20	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20	0.00
	2	0.30	0.00	0.70	0.00	0.00	0.00	0.10	0.00	0.10	0.30	0.00	0.10
	3	0.40	0.00	0.70	0.10	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
	4	0.40	0.00	0.40	0.00	0.00	0.00	0.50	0.00	0.10	0.10	0.20	0.00
	5	0.20	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.10	0.00	0.00	0.00
Black Mountain Road Bridge	1	0.33	0.00	0.22	0.00	0.00	0.00	0.11	0.00	0.00	0.11	0.00	0.00
	2	0.33	0.00	0.33	0.00	0.00	0.00	0.11	0.00	0.00	0.22	0.00	0.00
	3A	0.00	0.00	0.11	0.00	0.00	0.00	0.22	0.00	0.00	0.22	0.00	0.11
	3B	0.00	0.00	0.56	0.00	0.00	0.00	0.11	0.00	0.00	0.11	0.00	0.00
	4	0.56	0.00	0.78	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.11	0.00
	5	0.44	0.00	0.67	0.11	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00



**Appendix A**  
**Total Track Station Indices (Summer + Fall 2001)**

TRANSECT	STATION	SPECIES											
		Coyote	Fox	Dog	Bobcat	Cat	Mule Deer	Opossum	Raccoon	Skunk	Rabbit	Rodent	Ground Squirrel
I-15 Bridge	1	0.22	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.00	0.33
	2	0.11	0.00	0.00	0.00	0.00	0.22	0.11	0.00	0.00	0.00	0.00	0.00
	3	0.33	0.00	0.22	0.00	0.00	0.00	0.22	0.11	0.11	0.00	0.00	0.11
	4	0.11	0.00	0.33	0.00	0.00	0.11	0.11	0.33	0.11	0.44	0.00	0.11
	5	0.00	0.00	0.11	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00
Los Penasquitos Creek at Sabre Springs	1	0.11	0.00	0.00	0.11	0.00	0.00	0.11	0.33	0.33	0.00	0.00	0.00
	2	0.22	0.00	0.33	0.11	0.00	0.00	0.22	0.22	0.33	0.11	0.22	0.00
	3	0.11	0.00	0.33	0.11	0.00	0.00	0.00	0.00	0.00	0.33	0.22	0.22
	4	0.67	0.00	0.56	0.00	0.00	0.00	0.11	0.00	0.11	0.44	0.11	0.00
	5	0.00	0.00	1.00	0.00	0.00	0.00	0.22	0.00	0.33	0.22	0.00	0.00
Upper Beeler Canyon	1	0.30	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.00
	2	0.10	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3	0.50	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
	4	0.40	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	0.10	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00
Lower Beeler Canyon	1	0.40	0.00	0.50	0.00	0.00	0.00	0.00	0.10	0.00	0.10	0.10	0.00
	2	0.20	0.00	0.90	0.00	0.00	0.00	0.10	0.00	0.10	0.10	0.00	0.00
	3A	0.40	0.00	0.20	0.00	0.00	0.00	0.10	0.00	0.00	0.40	0.20	0.00
	3B	0.30	0.00	0.50	0.00	0.00	0.00	0.00	0.10	0.00	0.20	0.00	0.00
	3C	0.60	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
	4	0.30	0.00	0.60	0.00	0.00	0.00	0.10	0.00	0.00	0.10	0.00	0.00
	5	0.70	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
Green Valley Creek near Blue Sky	1	0.20	0.00	0.40	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2	0.50	0.00	0.40	0.10	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.10
	3	0.40	0.00	0.50	0.30	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
	4	0.20	0.00	0.10	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00	0.00
	5	0.30	0.00	0.30	0.10	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00

**Appendix A**  
**Total Track Station Indices (Summer + Fall 2001)**

TRANSECT	STATION	SPECIES											
		Coyote	Fox	Dog	Bobcat	Cat	Mule Deer	Opossum	Raccoon	Skunk	Rabbit	Rodent	Ground Squirrel
Green Valley & Thompson Crks Confluence	1	0.10	0.00	0.00	0.00	0.00	0.00	0.20	0.10	0.20	0.10	0.40	0.10
	2	0.20	0.00	0.00	0.00	0.00	0.00	0.40	0.10	0.00	0.30	0.00	0.00
	3A	0.50	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3B	0.20	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.00	0.20	0.10	0.00
	4	0.50	0.00	0.40	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
	5	0.60	0.00	0.50	0.00	0.00	0.00	0.00	0.20	0.10	0.00	0.00	0.00
San Dieguito River Park	1	0.40	0.00	0.00	0.20	0.00	0.00	0.30	0.00	0.10	0.00	0.00	0.00
	2	0.30	0.00	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.00
	3	0.30	0.00	0.20	0.30	0.00	0.00	0.50	0.10	0.00	0.00	0.00	0.00
	4	0.20	0.00	0.30	0.20	0.00	0.00	0.40	0.00	0.10	0.00	0.00	0.00
	5	0.10	0.00	0.70	0.00	0.00	0.00	0.30	0.10	0.10	0.00	0.00	0.00

Stations are named as follows:

- If no bridges intersected a transect, then 5 stations are located 250 m apart and named 1-5 (west-east)
- When a bridge intersected the transect, then 6 stations are established: 1, 2, 3A are on the west side of the bridge and 3B, 4, and 5 are on the east side of the bridge. If the stations were also positioned on the north and south sides of the creek, then naming was 1N, 2N, 3A-N and 1S, 2S, and 3A-S, etc.
- Del Mar Mesa transect: 1C, 2C are stations running down the canyon wall of LPCP, 1M-4M are mesa top stations, and 4D was on a deer trail running down into LPCP
- Lower Shaw Valley transect: 1, 2, 3A are stations on west side of culvert, 3C on a deer trail running south from west end of culverts, and 3B, 4 on east end of culvert (no station 5)
- 805/5 merge transect: no stations 1 or 2 on south side of creek
- Carmel Creek Transect: only stations closest to I-5 bridge were replicated on north and south sides (e.g., 3A-N, 3A-S, 3B-N, 3B-S)
- I-15 bridge transect: stations 1, 2, and 3 on west side of bridge and 4 and 5 on east side of bridge

**APPENDIX B**

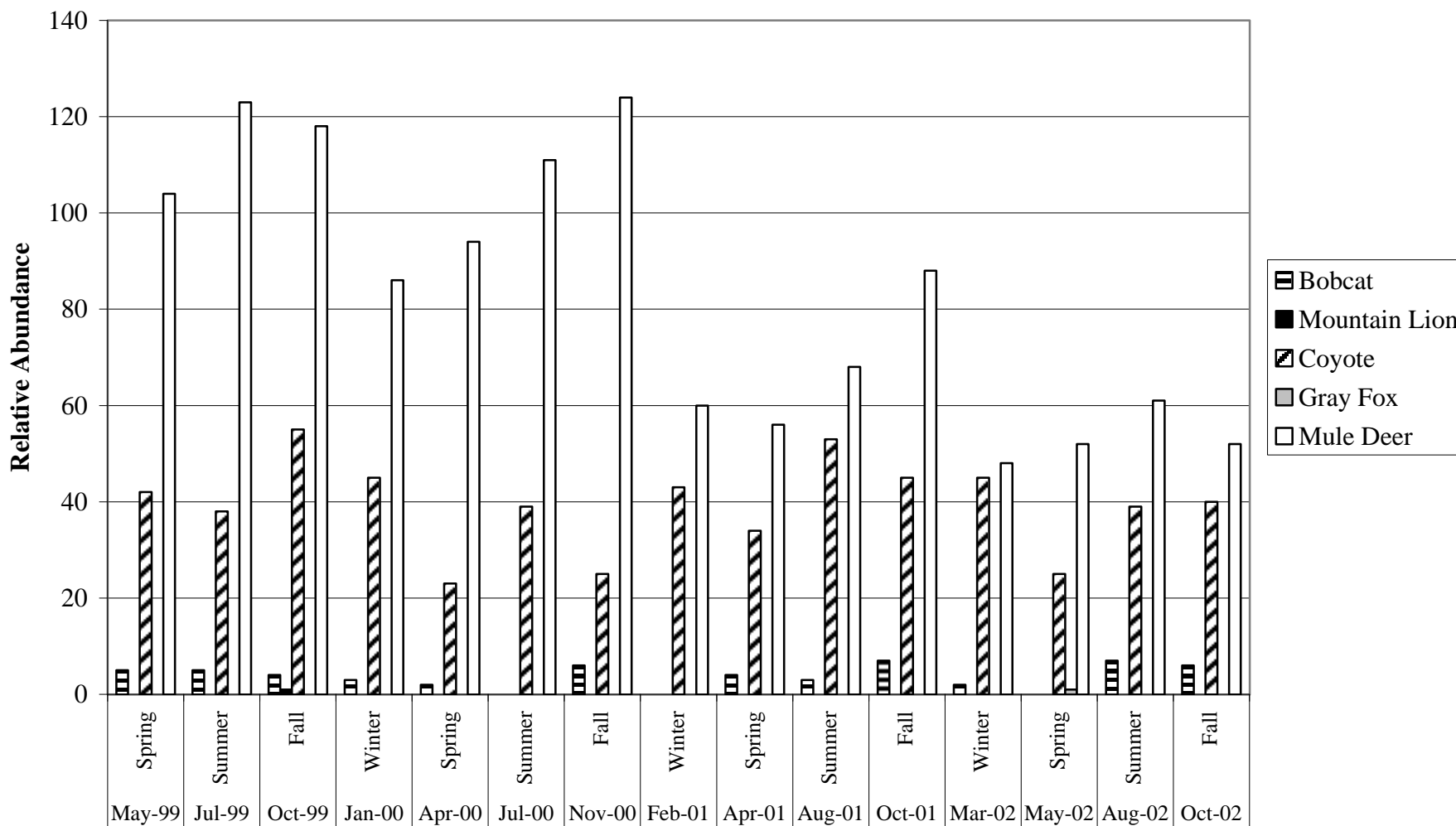
**SAN DIEGO TRACKING TEAM  
SIGN TRANSECTS AND CAMERA STATIONS DATA**



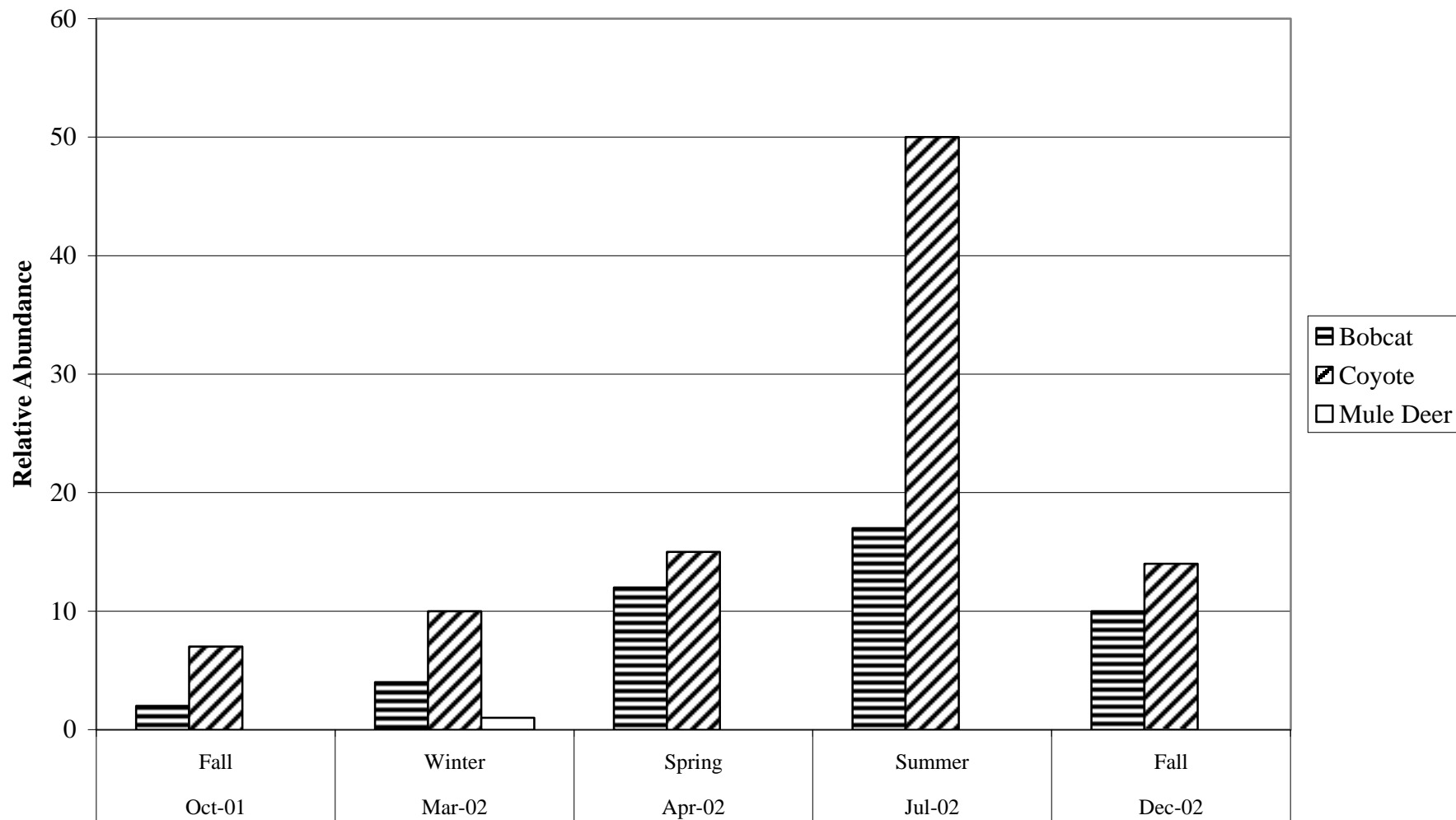
**Table B-1. San Diego Tracking Team camera station results.**

Site	Nights Out	Season	Year	False Trip	Coyote	Gray Fox	Dog	Bobcat	House Cat	Mule Deer	Str. Skunk	Opossum	Rabbit	Rodent	Bird	Human
Hollenbeck Canyon #1	10	Spring	2002	24	0	0	0	0	0	0	0	0	0	0	0	0
Hollenbeck Canyon #2	10	Spring	2002	1	0	0	0	0	0	0	0	2	0	0	0	0
Hollenbeck Canyon #3	10	Spring	2002	16	1	2	0	5	0	0	0	0	0	0	0	0
Hollenbeck Canyon #1	23	Summer	2002	8	0	0	0	0	0	0	0	0	0	0	0	0
Hollenbeck Canyon #2	23	Summer	2002	19	0	0	0	0	0	3	0	0	0	0	0	0
Hollenbeck Canyon #3	23	Summer	2002	3	0	0	0	0	0	0	0	0	0	0	0	0
Hollenbeck Canyon #1	27	Fall	2002	2	0	0	0	1	0	0	0	0	0	2	0	0
Hollenbeck Canyon #2	27	Fall	2002	1	0	0	1	2	0	7	0	0	0	0	0	5
Hollenbeck Canyon #3	27	Fall	2002	1	0	0	0	0	0	0	0	1	0	0	1	0
SR-67 #1	10	Spring	2002	0	0	0	0	3	0	0	0	0	2	0	1	0
SR-67 #2	10	Spring	2002	2	2	0	0	5	0	0	1	0	3	4	0	0
SR-67 #3	10	Spring	2002	2	0	0	1	0	0	0	6	0	0	1	3	0
SR-67 #4	10	Spring	2002	4	0	0	1	0	0	0	1	0	1	0	1	0
SR-67 #1	22	Summer	2002	1	2	0	0	1	0	0	0	0	0	0	0	0
SR-67 #2	22	Summer	2002	1	1	0	0	2	0	0	0	0	1	0	0	5
SR-67 #3	22	Summer	2002	0	0	0	4	3	0	0	0	0	0	0	0	0
SR-67 #4	22	Summer	2002	2	0	2	0	1	1	0	4	0	0	2	4	0
SR-67 #1	13	Fall	2002	2	0	0	0	0	0	0	0	0	0	1	13	0
SR-67 #2	13	Fall	2002	0	0	0	0	0	0	0	0	0	0	0	9	0
SR-67 #3	13	Fall	2002	1	1	0	6	8	0	0	0	0	0	0	1	0
SR-67 #4	13	Fall	2002	0	0	0	0	0	0	0	0	0	0	0	4	0
SR-67 #1	19	Winter	2003	2	0	0	0	0	0	0	0	0	0	0	0	0
SR-67 #2	7	Winter	2003	12	0	0	0	2	0	0	0	0	0	2	8	0
SR-67 #3	7	Winter	2003	1	0	0	1	1	0	0	1	0	0	0	0	0
SR-67 #4	19	Winter	2003	1	0	0	0	7	0	0	0	0	0	1	0	0

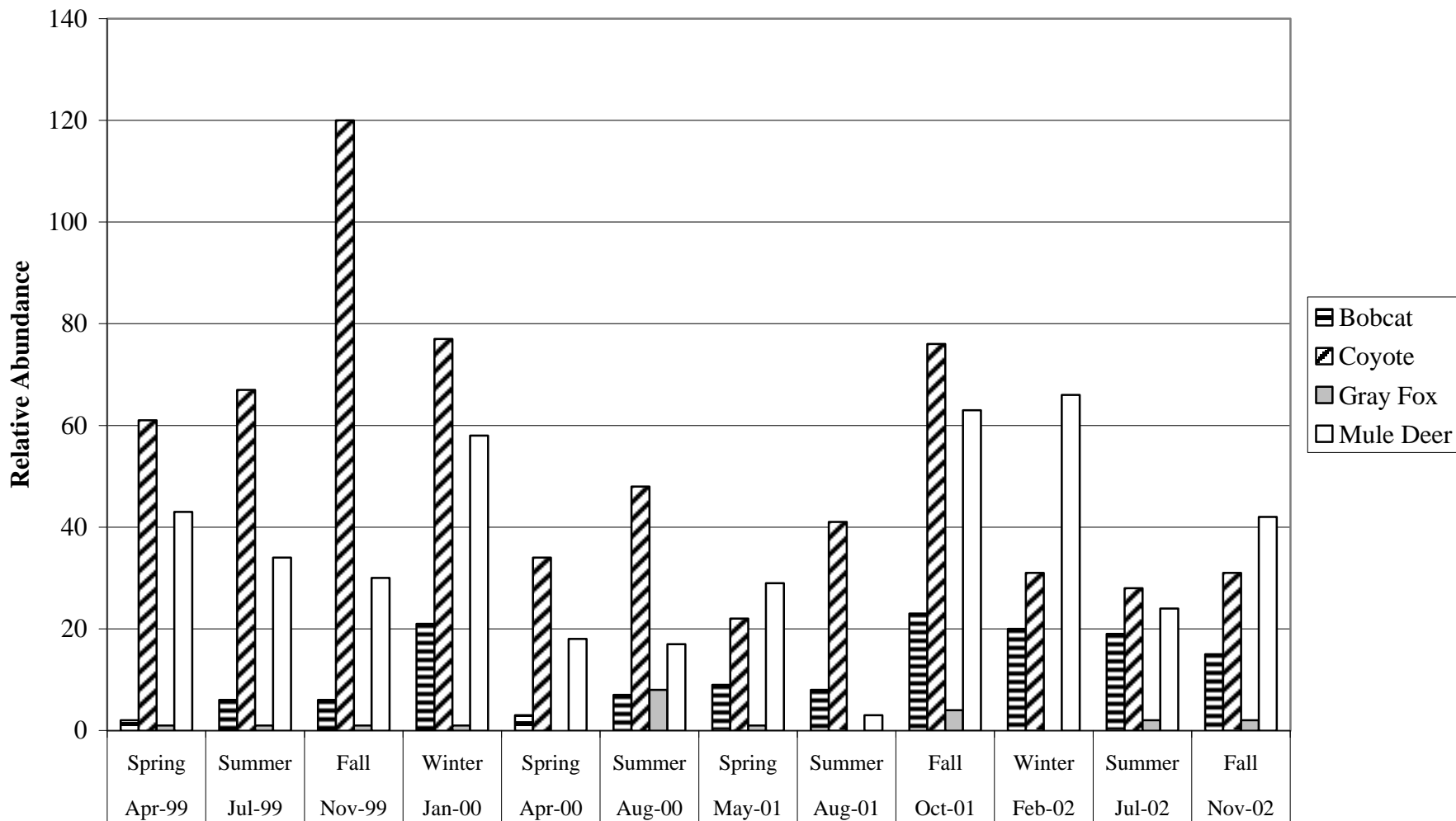
**Figure B-1**  
**Scripps-Poway Parkway Wildlife Underpass**



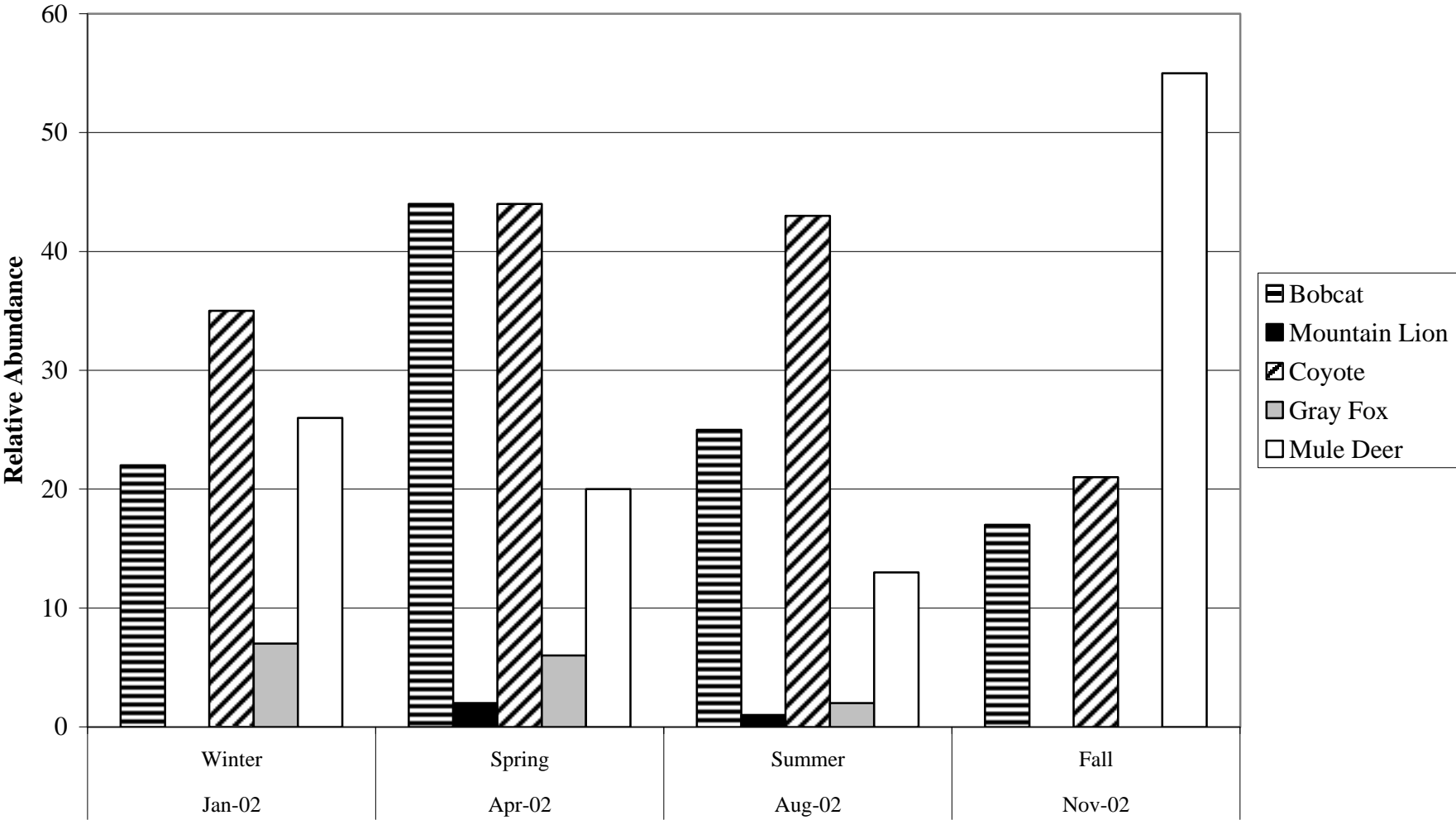
**Figure B-2**  
**SR-67 Culverts**



**Figure B-3**  
**Sycamore Creek (San Dieguito River Park)**

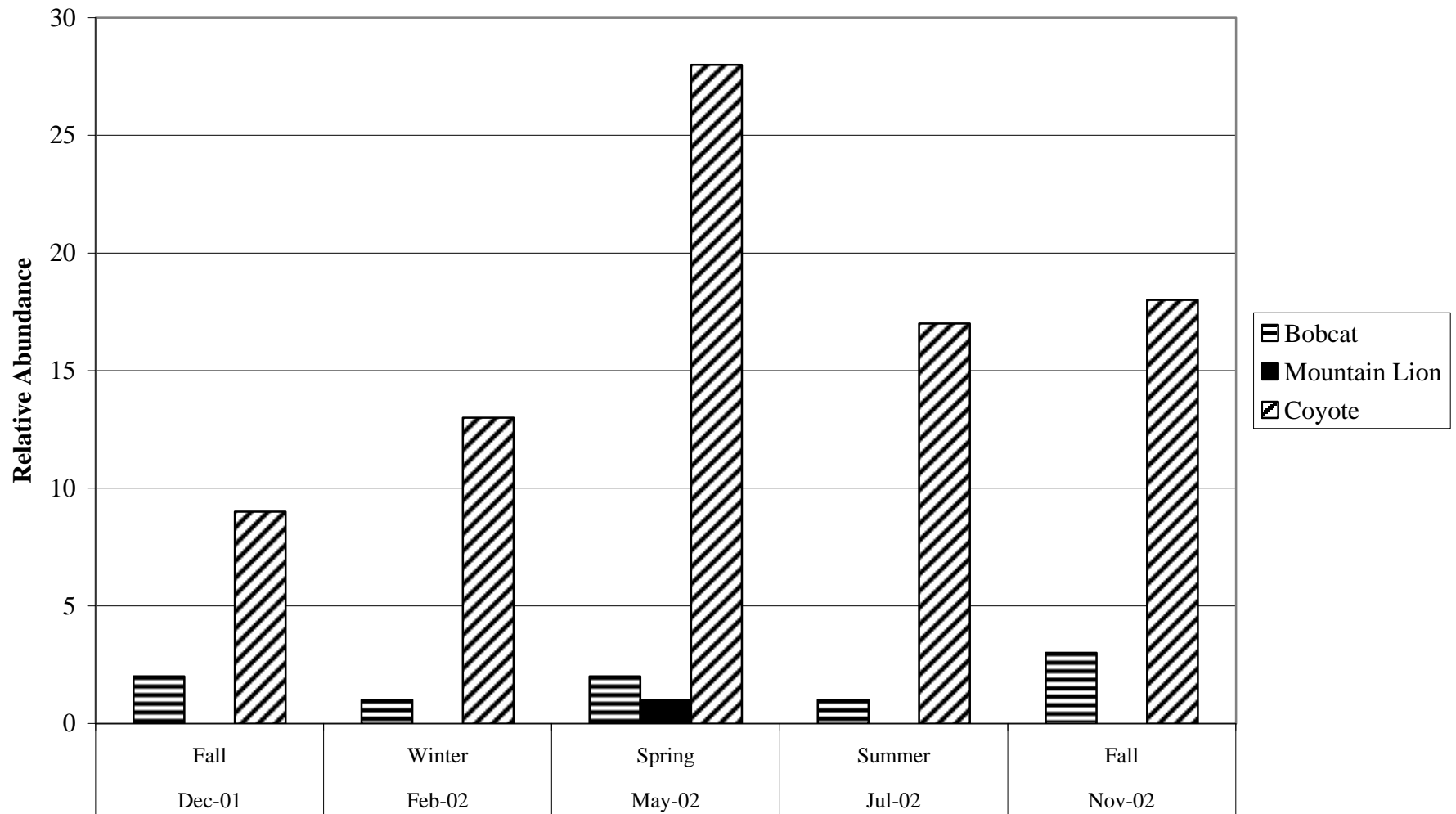


**Figure B-4**  
**Lusardi Creek (West End)**

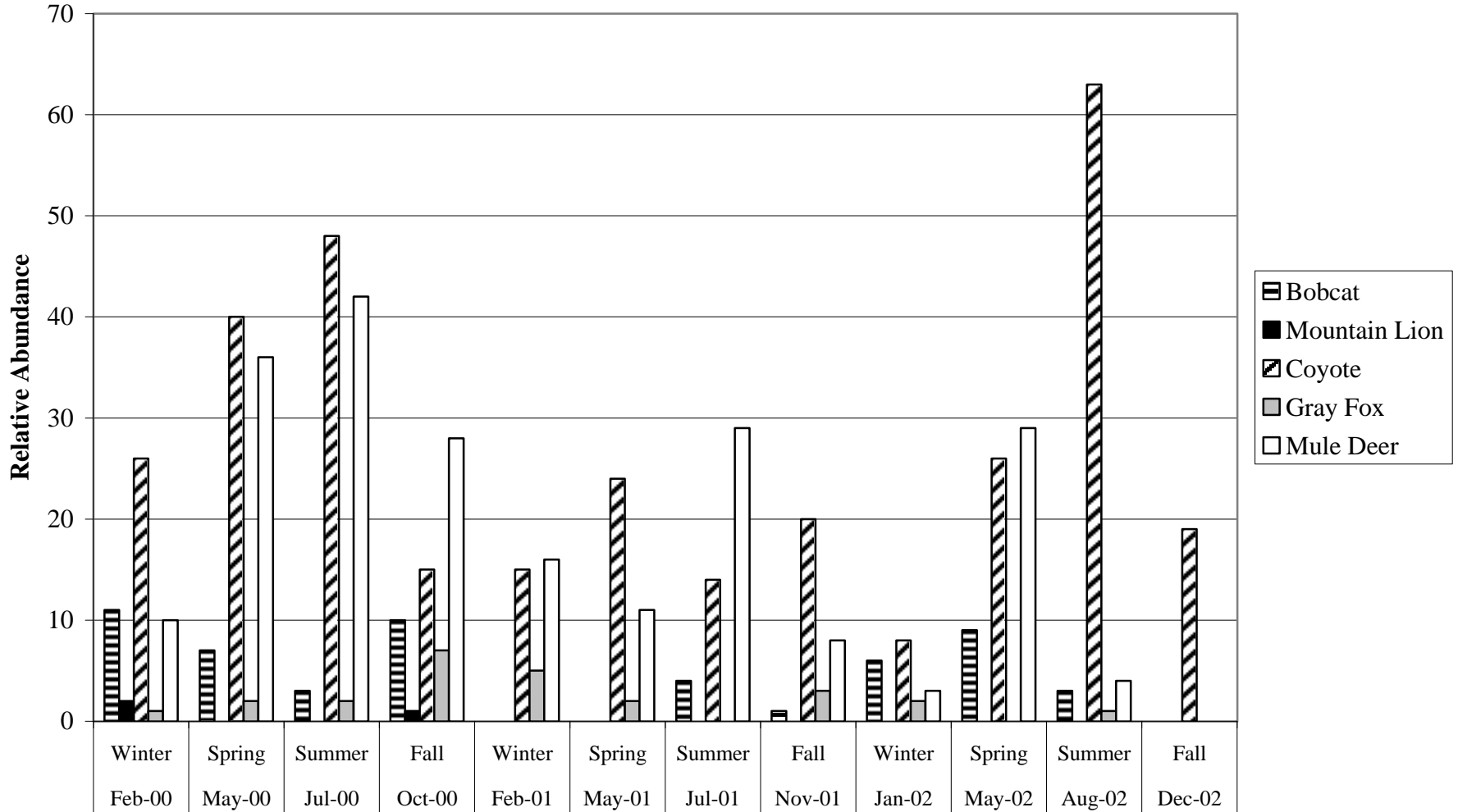




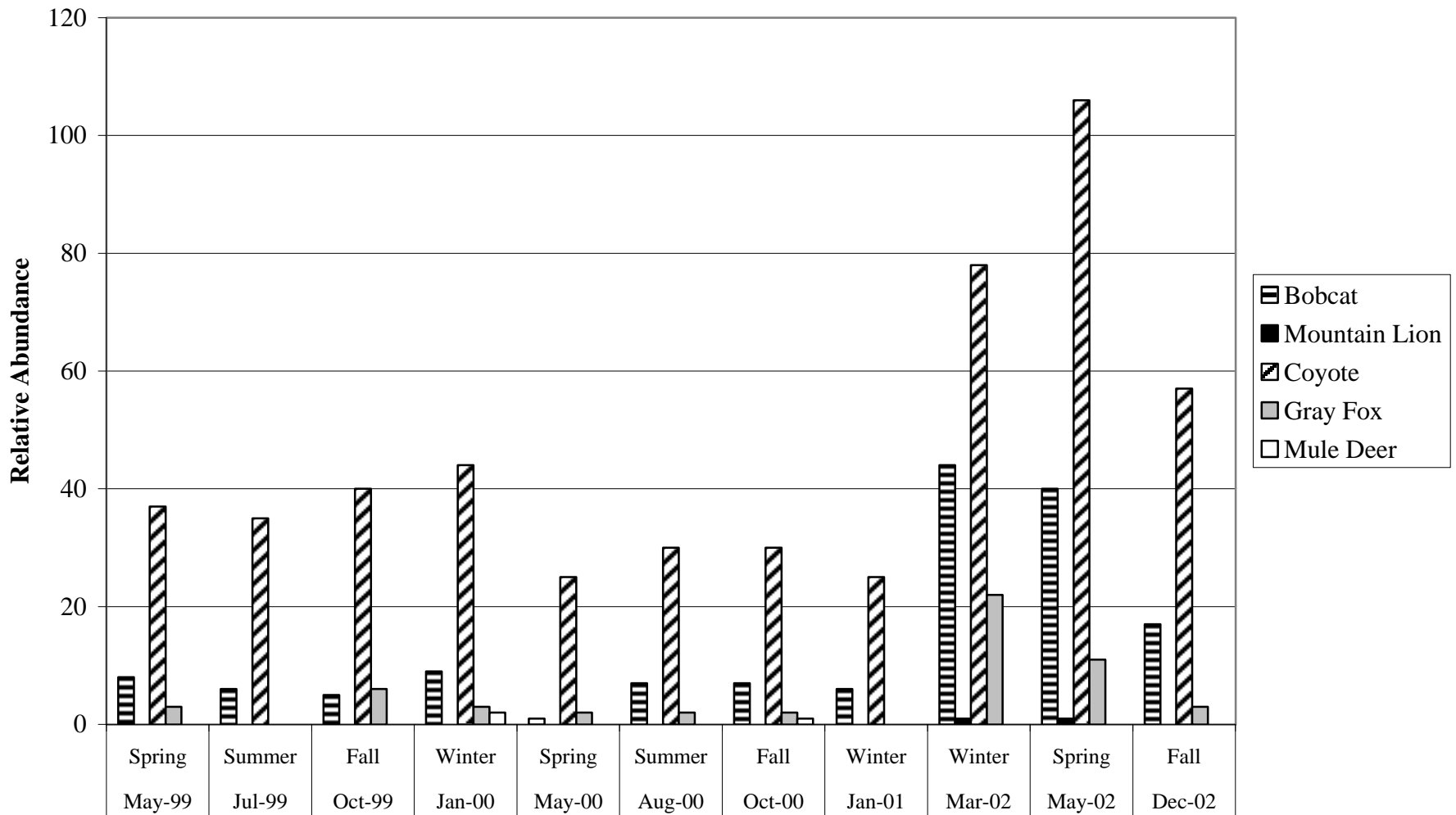
**Figure B-5**  
**Otay Mesa Road Culvert**



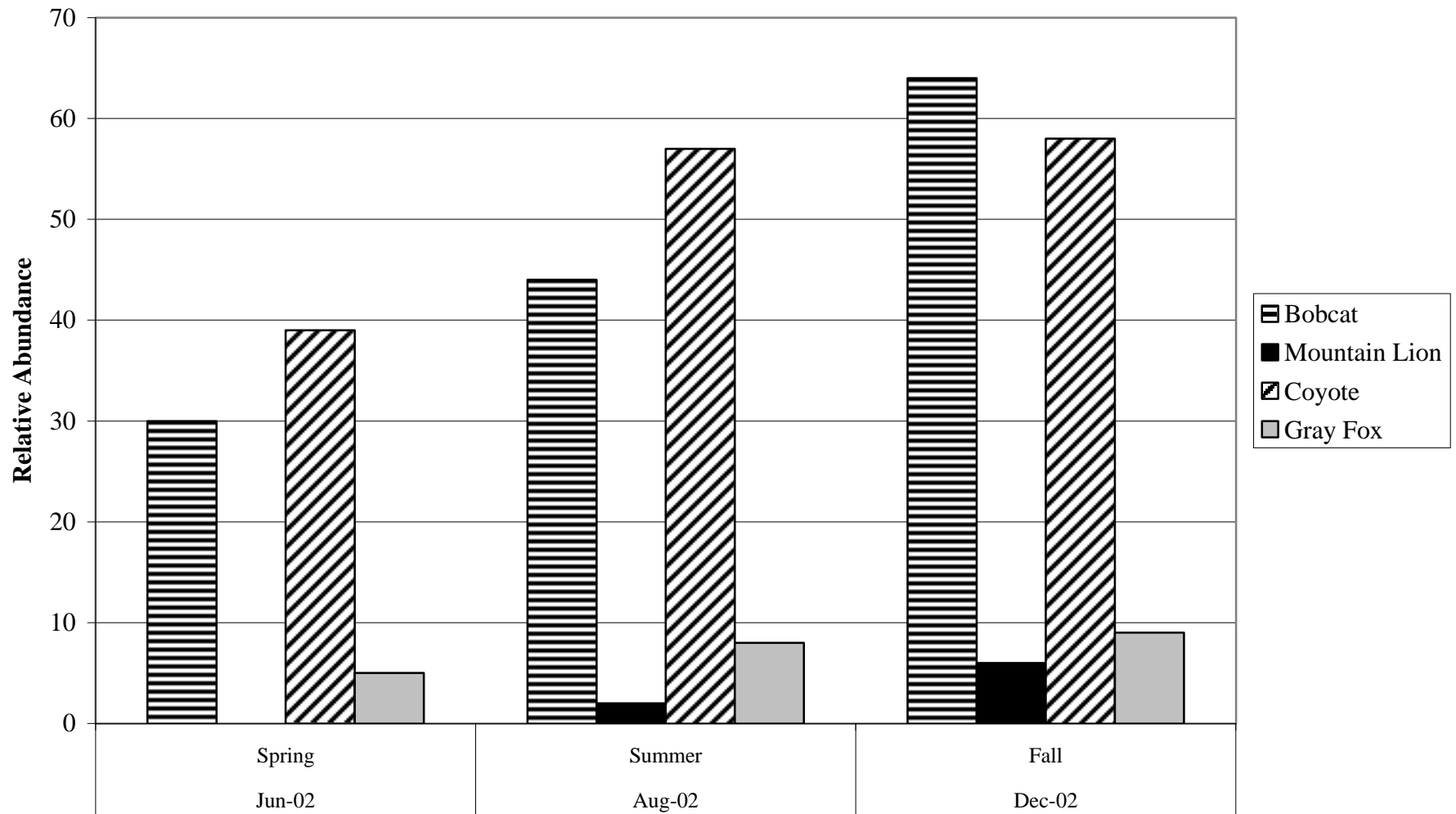
**Figure B-6**  
**Sycamore Park Drive (Goodan Ranch/Sycamore Canyon)**



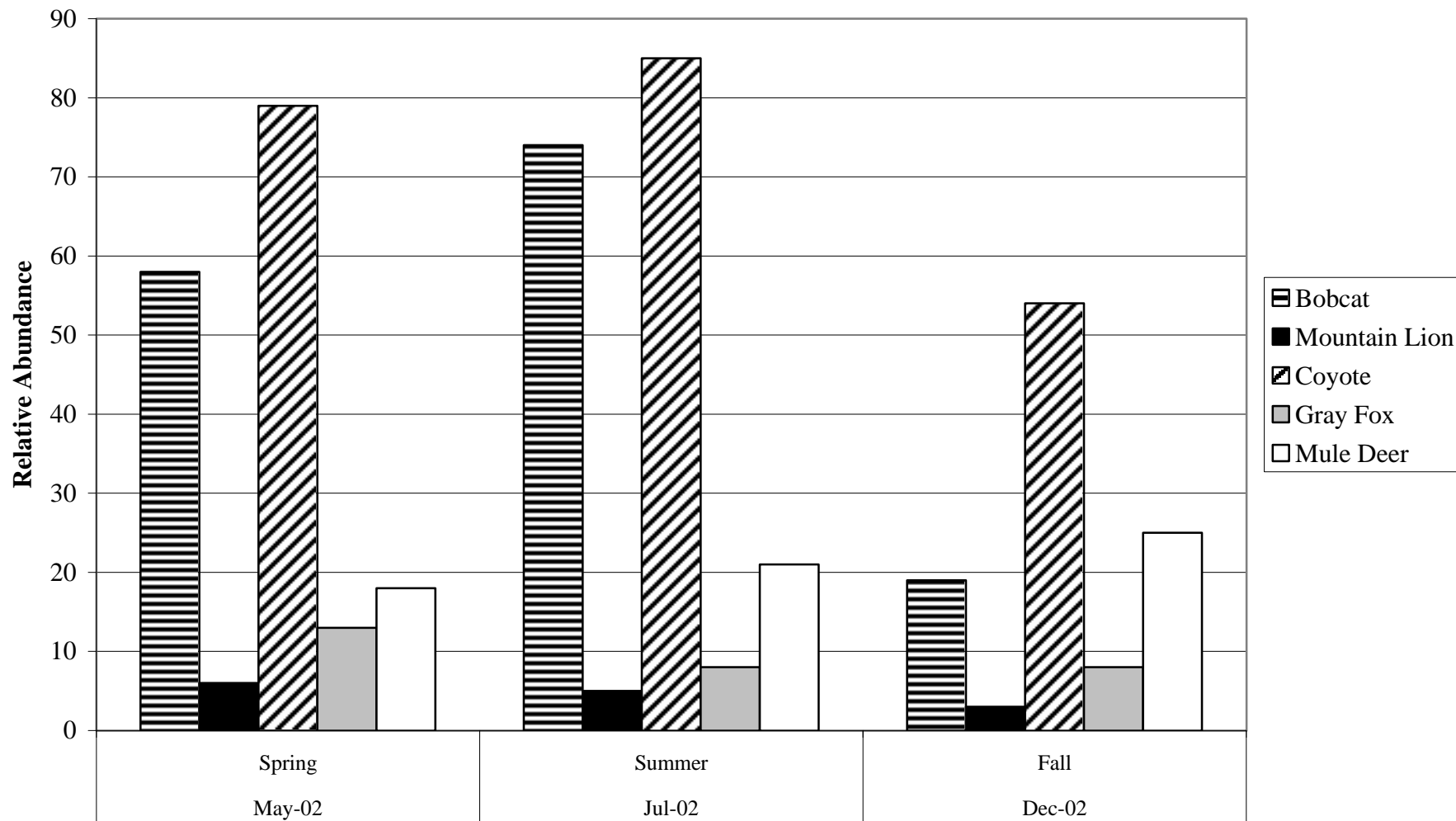
**Figure B-7**  
**Crest (Crestridge Ecological Reserve)**



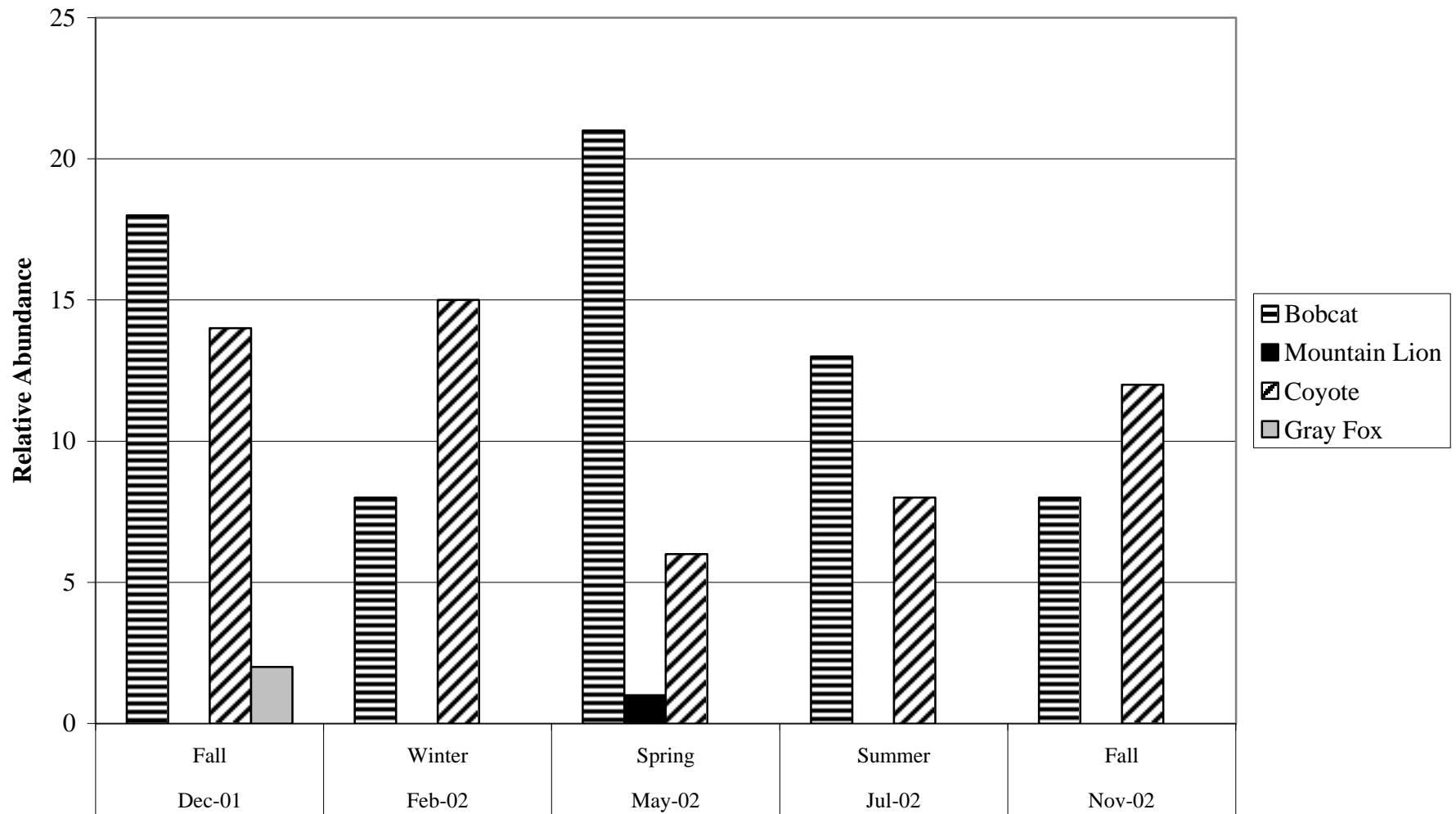
**Figure B-8**  
**Crest North (Crestridge Ecological Reserve)**



**Figure B-9**  
**Hollenbeck Canyon**



**Figure B-10**  
**Spring Canyon (Otay Mesa)**



**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	1	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	1	Mule Deer	42
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	2	Coyote	8
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	2	Mule Deer	13
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	3	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	3	Coyote	14
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	3	Mule Deer	1
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	4	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	4	Coyote	11
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	4	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	5	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	5	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	5	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	6	Bobcat	2
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	6	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	6	Mule Deer	16
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	7	Mule Deer	22
23	Scripps Poway Parkway Wildlife Tunnel	5/1/99	Spring	7	Bobcat/Pack	1
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	1	Bobcat	2
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	1	Mule Deer	55
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	2	Coyote	1
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	2	Mule Deer	14
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	3	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	3	Coyote	11
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	3	Mule Deer	12
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	3	Raccoon	2
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	4	Bobcat	2
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	4	Coyote	11
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	4	Mule Deer	11
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	4	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	5	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	5	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	5	Unknown	1
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	6	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	6	Mule Deer	11
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	6	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	7	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	7	Mule Deer	11
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	7	Bobcat/Pack	1
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	8	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	7/30/99	Summer	8	Mule Deer	4
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	1	Mountain Lion	1
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	1	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	1	Mule Deer	48
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	1	Raccoon	3
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	2	Coyote	14
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	2	Mule Deer	16
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	3	Coyote	14
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	3	Mule Deer	11
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	4	Coyote	11
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	4	Mule Deer	16
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	4	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	5	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	5	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	5	Mule Deer	12
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	5	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	6	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	6	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	6	Mule Deer	6
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	7	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	7	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	7	Mule Deer	4
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	8	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	8	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	8	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	10/29/99	Fall	8	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	1	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	1	Coyote	1
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	1	Mule Deer	48

**Appendix B  
San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	1	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	2	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	2	Mule Deer	7
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	3	Coyote	11
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	3	Mule Deer	11
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	4	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	4	Coyote	11
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	4	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	5	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	5	Mule Deer	13
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	5	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	6	Coyote	11
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	6	Mule Deer	1
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	7	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	7	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	7	Mule Deer	1
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	7	podrat/Pack	5
23	Scripps Poway Parkway Wildlife Tunnel	1/23/00	Winter	8	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	1	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	1	Mule Deer	55
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	2	Mule Deer	6
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	3	Coyote	9
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	3	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	4	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	4	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	4	Mule Deer	7
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	5	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	5	Mule Deer	7
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	6	Coyote	1
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	6	Mule Deer	6
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	7	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	7	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	7	Mule Deer	8
23	Scripps Poway Parkway Wildlife Tunnel	4/30/00	Spring	7	podrat/Pack	3
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	1	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	1	Mule Deer	66
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	2	Coyote	8
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	2	Mule Deer	16
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	3	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	3	Mule Deer	7
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	4	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	4	Mule Deer	12
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	5	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	5	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	6	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	6	Mule Deer	2
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	7	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	7	Mule Deer	3
23	Scripps Poway Parkway Wildlife Tunnel	7/29/00	Summer	7	podrat/Pack	6
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	1	Bobcat	4
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	1	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	1	Mule Deer	53
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	2	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	2	Mule Deer	22
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	3	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	3	Mule Deer	8
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	4	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	4	Mule Deer	13
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	5	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	5	Coyote	6
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	5	Mule Deer	15
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	6	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	6	Mule Deer	9
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	6	podrat/Pack	1
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	7	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	7	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	7	Mule Deer	4
23	Scripps Poway Parkway Wildlife Tunnel	11/4/00	Fall	7	podrat/Pack	5
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	1	Coyote	4



**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	1	Mule Deer	35
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	2	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	2	Mule Deer	3
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	3	Coyote	11
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	3	Mule Deer	1
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	4	Coyote	14
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	4	Mule Deer	3
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	5	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	5	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	6	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	6	Mule Deer	4
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	6	podrat/Pack	1
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	7	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	7	Mule Deer	9
23	Scripps Poway Parkway Wildlife Tunnel	2/17/01	Winter	7	podrat/Pack	13
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	1	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	1	Coyote	1
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	1	Mule Deer	36
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	1	Raccoon	3
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	2	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	2	Mule Deer	4
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	3	Coyote	10
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	3	Mule Deer	2
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	4	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	4	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	4	Mule Deer	4
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	5	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	5	Mule Deer	3
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	6	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	6	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	6	podrat/Pack	2
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	7	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	7	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	7	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	7	podrat/Pack	6
23	Scripps Poway Parkway Wildlife Tunnel	4/28/01	Spring	8	Mule Deer	2
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	1	Coyote	8
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	1	Mule Deer	42
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	1	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	2	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	2	Mule Deer	7
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	3	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	3	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	4	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	4	Mule Deer	8
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	5	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	5	Coyote	9
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	6	Coyote	6
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	6	Mule Deer	5
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	6	podrat/Pack	2
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	7	Bobcat	2
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	7	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	7	Mule Deer	1
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	7	podrat/Pack	3
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	8	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	8/5/01	Summer	8	Raccoon	2
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	1	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	1	Coyote	12
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	1	Mule Deer	54
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	2	Coyote	9
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	2	Mule Deer	9
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	3	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	3	Mule Deer	10
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	4	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	5	Bobcat	2
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	5	Coyote	10
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	5	Mule Deer	12
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	7	Bobcat	3
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	7	Coyote	4

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	7	Mule Deer	1
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	8	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	8	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	8	Mule Deer	2
23	Scripps Poway Parkway Wildlife Tunnel	10/21/01	Fall	8	podrat/Pack	7
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	1	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	1	Mule Deer	38
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	1	Raccoon	2
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	2	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	2	Mule Deer	1
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	3	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	3	Coyote	8
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	3	Mule Deer	4
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	4	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	4	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	4	Mule Deer	2
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	5	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	6	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	6	Mule Deer	1
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	6	podrat/Pack	1
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	7	Coyote	6
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	7	Mule Deer	2
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	7	podrat/Pack	9
23	Scripps Poway Parkway Wildlife Tunnel	3/3/02	Winter	8	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	1	Mule Deer	44
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	2	Coyote	2
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	2	Mule Deer	2
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	3	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	3	Mule Deer	4
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	4	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	4	Mule Deer	2
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	4	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	5	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	5	Gray Fox	1
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	6	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	6	podrat/Pack	5
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	7	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	5/10/02	Spring	7	podrat/Pack	5
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	1	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	1	Mule Deer	46
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	1	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	2	Coyote	9
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	2	Mule Deer	11
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	3	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	3	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	4	Bobcat	3
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	4	Coyote	7
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	4	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	5	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	5	Coyote	6
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	5	Mule Deer	4
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	6	Bobcat	2
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	6	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	7	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	8/3/02	Summer	7	podrat/Pack	9
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	1	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	1	Mule Deer	29
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	2	Coyote	4
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	2	Mule Deer	6
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	2	Raccoon	1
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	3	Bobcat	2
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	3	Coyote	3
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	3	Mule Deer	3
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	4	Bobcat	1
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	4	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	4	Mule Deer	3
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	5	Bobcat	3
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	5	Coyote	10
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	5	Mule Deer	2

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	6	Coyote	9
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	6	Mule Deer	7
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	6	podrat/Pack	3
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	7	Coyote	5
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	7	Mule Deer	2
23	Scripps Poway Parkway Wildlife Tunnel	10/27/02	Fall	7	podrat/Pack	7
42	Highway 67 Culverts	10/23/01	Fall	2	Raccoon	1
42	Highway 67 Culverts	10/23/01	Fall	3	Raccoon	1
42	Highway 67 Culverts	10/23/01	Fall	4	Raccoon	1
42	Highway 67 Culverts	10/23/01	Fall	10	Coyote	1
42	Highway 67 Culverts	10/23/01	Fall	12	Coyote	4
42	Highway 67 Culverts	10/23/01	Fall	13	Coyote	1
42	Highway 67 Culverts	10/23/01	Fall	14	Coyote	1
42	Highway 67 Culverts	10/23/01	Fall	14	Raccoon	1
42	Highway 67 Culverts	10/23/01	Fall	17	Bobcat	1
42	Highway 67 Culverts	10/23/01	Fall	18	Raccoon	1
42	Highway 67 Culverts	10/23/01	Fall	19	Bobcat	1
42	Highway 67 Culverts	10/23/01	Fall	19	Raccoon	1
42	Highway 67 Culverts	3/5/02	Winter	7	Coyote	1
42	Highway 67 Culverts	3/5/02	Winter	9	Bobcat	1
42	Highway 67 Culverts	3/5/02	Winter	10	Mule Deer	1
42	Highway 67 Culverts	3/5/02	Winter	12	Coyote	1
42	Highway 67 Culverts	3/5/02	Winter	13	Raccoon	1
42	Highway 67 Culverts	3/5/02	Winter	14	Coyote	3
42	Highway 67 Culverts	3/5/02	Winter	14	Raccoon	1
42	Highway 67 Culverts	3/5/02	Winter	17	Bobcat	1
42	Highway 67 Culverts	3/5/02	Winter	17	Coyote	2
42	Highway 67 Culverts	3/5/02	Winter	17	Raccoon	3
42	Highway 67 Culverts	3/5/02	Winter	18	Coyote	1
42	Highway 67 Culverts	3/5/02	Winter	18	Raccoon	3
42	Highway 67 Culverts	3/5/02	Winter	19	Bobcat	2
42	Highway 67 Culverts	3/5/02	Winter	19	Coyote	2
42	Highway 67 Culverts	4/22/02	Spring	3	Coyote	2
42	Highway 67 Culverts	4/22/02	Spring	7	Bobcat	2
42	Highway 67 Culverts	4/22/02	Spring	7	Coyote	3
42	Highway 67 Culverts	4/22/02	Spring	8	Bobcat	3
42	Highway 67 Culverts	4/22/02	Spring	8	Coyote	3
42	Highway 67 Culverts	4/22/02	Spring	9	Bobcat	2
42	Highway 67 Culverts	4/22/02	Spring	9	Coyote	3
42	Highway 67 Culverts	4/22/02	Spring	17	Raccoon	1
42	Highway 67 Culverts	4/22/02	Spring	18	Raccoon	1
42	Highway 67 Culverts	4/22/02	Spring	19	Bobcat	5
42	Highway 67 Culverts	4/22/02	Spring	19	Coyote	4
42	Highway 67 Culverts	4/22/02	Spring	19	Raccoon	1
42	Highway 67 Culverts	7/30/02	Summer	7	Coyote	5
42	Highway 67 Culverts	7/30/02	Summer	8	Coyote	11
42	Highway 67 Culverts	7/30/02	Summer	9	Coyote	11
42	Highway 67 Culverts	7/30/02	Summer	12	Bobcat	1
42	Highway 67 Culverts	7/30/02	Summer	12	Coyote	5
42	Highway 67 Culverts	7/30/02	Summer	13	Bobcat	7
42	Highway 67 Culverts	7/30/02	Summer	14	Bobcat	1
42	Highway 67 Culverts	7/30/02	Summer	14	Coyote	4
42	Highway 67 Culverts	7/30/02	Summer	15	podrat/Pack	1
42	Highway 67 Culverts	7/30/02	Summer	16	Bobcat	1
42	Highway 67 Culverts	7/30/02	Summer	16	Coyote	2
42	Highway 67 Culverts	7/30/02	Summer	17	Bobcat	2
42	Highway 67 Culverts	7/30/02	Summer	21	Bobcat	5
42	Highway 67 Culverts	7/30/02	Summer	21	Coyote	12
42	Highway 67 Culverts	7/30/02	Summer	21	podrat/Pack	1
42	Highway 67 Culverts	12/1/02	Fall	2	Opossum	2
42	Highway 67 Culverts	12/1/02	Fall	3	Coyote	1
42	Highway 67 Culverts	12/1/02	Fall	3	Raccoon	2
42	Highway 67 Culverts	12/1/02	Fall	4	Coyote	1
42	Highway 67 Culverts	12/1/02	Fall	4	Raccoon	2
42	Highway 67 Culverts	12/1/02	Fall	6	Coyote	1
42	Highway 67 Culverts	12/1/02	Fall	7	Bobcat	2
42	Highway 67 Culverts	12/1/02	Fall	7	Coyote	1
42	Highway 67 Culverts	12/1/02	Fall	7	g Tailed W	2
42	Highway 67 Culverts	12/1/02	Fall	8	Bobcat	2

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
42	Highway 67 Culverts	12/1/02	Fall	8	Coyote	1
42	Highway 67 Culverts	12/1/02	Fall	8	g Tailed W	2
42	Highway 67 Culverts	12/1/02	Fall	9	Bobcat	2
42	Highway 67 Culverts	12/1/02	Fall	9	Coyote	1
42	Highway 67 Culverts	12/1/02	Fall	9	g Tailed W	2
42	Highway 67 Culverts	12/1/02	Fall	9	Opossum	1
42	Highway 67 Culverts	12/1/02	Fall	12	Bobcat	1
42	Highway 67 Culverts	12/1/02	Fall	12	Coyote	1
42	Highway 67 Culverts	12/1/02	Fall	14	Bobcat	2
42	Highway 67 Culverts	12/1/02	Fall	14	Coyote	1
42	Highway 67 Culverts	12/1/02	Fall	14	Raccoon	1
42	Highway 67 Culverts	12/1/02	Fall	16	Raccoon	1
42	Highway 67 Culverts	12/1/02	Fall	16	podrat/Pack	1
42	Highway 67 Culverts	12/1/02	Fall	19	Raccoon	1
42	Highway 67 Culverts	12/1/02	Fall	21	Bobcat	1
42	Highway 67 Culverts	12/1/02	Fall	21	Coyote	6
25	Lake Hodges Sycamore Creek	4/22/99	Spring	1	Coyote	3
25	Lake Hodges Sycamore Creek	4/22/99	Spring	1	Mule Deer	1
25	Lake Hodges Sycamore Creek	4/22/99	Spring	2	Coyote	3
25	Lake Hodges Sycamore Creek	4/22/99	Spring	2	Mule Deer	10
25	Lake Hodges Sycamore Creek	4/22/99	Spring	3	Coyote	3
25	Lake Hodges Sycamore Creek	4/22/99	Spring	3	Mule Deer	5
25	Lake Hodges Sycamore Creek	4/22/99	Spring	4	Coyote	12
25	Lake Hodges Sycamore Creek	4/22/99	Spring	4	Gray Fox	1
25	Lake Hodges Sycamore Creek	4/22/99	Spring	4	Mule Deer	3
25	Lake Hodges Sycamore Creek	4/22/99	Spring	5	Bobcat	1
25	Lake Hodges Sycamore Creek	4/22/99	Spring	5	Coyote	17
25	Lake Hodges Sycamore Creek	4/22/99	Spring	5	Mule Deer	2
25	Lake Hodges Sycamore Creek	4/22/99	Spring	5	Raccoon	3
25	Lake Hodges Sycamore Creek	4/22/99	Spring	6	Bobcat	1
25	Lake Hodges Sycamore Creek	4/22/99	Spring	6	Coyote	13
25	Lake Hodges Sycamore Creek	4/22/99	Spring	6	Mule Deer	20
25	Lake Hodges Sycamore Creek	4/22/99	Spring	7	Coyote	10
25	Lake Hodges Sycamore Creek	4/22/99	Spring	7	Mule Deer	2
25	Lake Hodges Sycamore Creek	7/29/99	Summer	1	Bobcat	1
25	Lake Hodges Sycamore Creek	7/29/99	Summer	1	Coyote	8
25	Lake Hodges Sycamore Creek	7/29/99	Summer	1	Mule Deer	4
25	Lake Hodges Sycamore Creek	7/29/99	Summer	1	Raccoon	1
25	Lake Hodges Sycamore Creek	7/29/99	Summer	2	Bobcat	1
25	Lake Hodges Sycamore Creek	7/29/99	Summer	2	Coyote	3
25	Lake Hodges Sycamore Creek	7/29/99	Summer	2	Mule Deer	2
25	Lake Hodges Sycamore Creek	7/29/99	Summer	2	Raccoon	1
25	Lake Hodges Sycamore Creek	7/29/99	Summer	2	podrat/Pack	1
25	Lake Hodges Sycamore Creek	7/29/99	Summer	3	Bobcat	1
25	Lake Hodges Sycamore Creek	7/29/99	Summer	3	Coyote	8
25	Lake Hodges Sycamore Creek	7/29/99	Summer	3	Mule Deer	1
25	Lake Hodges Sycamore Creek	7/29/99	Summer	4	Coyote	17
25	Lake Hodges Sycamore Creek	7/29/99	Summer	4	Mule Deer	9
25	Lake Hodges Sycamore Creek	7/29/99	Summer	4	Raccoon	2
25	Lake Hodges Sycamore Creek	7/29/99	Summer	5	Bobcat	2
25	Lake Hodges Sycamore Creek	7/29/99	Summer	5	Coyote	18
25	Lake Hodges Sycamore Creek	7/29/99	Summer	5	Gray Fox	1
25	Lake Hodges Sycamore Creek	7/29/99	Summer	5	Mule Deer	14
25	Lake Hodges Sycamore Creek	7/29/99	Summer	5	Raccoon	2
25	Lake Hodges Sycamore Creek	7/29/99	Summer	6	Bobcat	1
25	Lake Hodges Sycamore Creek	7/29/99	Summer	6	Coyote	7
25	Lake Hodges Sycamore Creek	7/29/99	Summer	6	Mule Deer	3
25	Lake Hodges Sycamore Creek	7/29/99	Summer	7	Coyote	6
25	Lake Hodges Sycamore Creek	7/29/99	Summer	7	Mule Deer	1
25	Lake Hodges Sycamore Creek	11/7/99	Fall	1	Bobcat	2
25	Lake Hodges Sycamore Creek	11/7/99	Fall	1	Coyote	16
25	Lake Hodges Sycamore Creek	11/7/99	Fall	1	Mule Deer	2
25	Lake Hodges Sycamore Creek	11/7/99	Fall	1	Raccoon	1
25	Lake Hodges Sycamore Creek	11/7/99	Fall	2	Bobcat	2
25	Lake Hodges Sycamore Creek	11/7/99	Fall	2	Coyote	14
25	Lake Hodges Sycamore Creek	11/7/99	Fall	2	Mule Deer	3
25	Lake Hodges Sycamore Creek	11/7/99	Fall	2	podrat/Pack	4
25	Lake Hodges Sycamore Creek	11/7/99	Fall	3	Coyote	14
25	Lake Hodges Sycamore Creek	11/7/99	Fall	3	Mule Deer	4

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID#	Transect Name	Date	Season	Section	Species	Count
25	Lake Hodges Sycamore Creek	11/7/99	Fall	3	Raccoon	1
25	Lake Hodges Sycamore Creek	11/7/99	Fall	3	podrat/Pack	2
25	Lake Hodges Sycamore Creek	11/7/99	Fall	4	Coyote	19
25	Lake Hodges Sycamore Creek	11/7/99	Fall	4	Mule Deer	4
25	Lake Hodges Sycamore Creek	11/7/99	Fall	4	Raccoon	2
25	Lake Hodges Sycamore Creek	11/7/99	Fall	4	podrat/Pack	1
25	Lake Hodges Sycamore Creek	11/7/99	Fall	5	Coyote	16
25	Lake Hodges Sycamore Creek	11/7/99	Fall	5	Mule Deer	5
25	Lake Hodges Sycamore Creek	11/7/99	Fall	5	Raccoon	5
25	Lake Hodges Sycamore Creek	11/7/99	Fall	6	Bobcat	2
25	Lake Hodges Sycamore Creek	11/7/99	Fall	6	Coyote	16
25	Lake Hodges Sycamore Creek	11/7/99	Fall	6	Gray Fox	1
25	Lake Hodges Sycamore Creek	11/7/99	Fall	6	Mule Deer	7
25	Lake Hodges Sycamore Creek	11/7/99	Fall	6	Raccoon	11
25	Lake Hodges Sycamore Creek	11/7/99	Fall	6	podrat/Pack	1
25	Lake Hodges Sycamore Creek	11/7/99	Fall	7	Coyote	14
25	Lake Hodges Sycamore Creek	11/7/99	Fall	7	Mule Deer	4
25	Lake Hodges Sycamore Creek	11/7/99	Fall	8	Coyote	11
25	Lake Hodges Sycamore Creek	11/7/99	Fall	8	Mule Deer	1
25	Lake Hodges Sycamore Creek	11/7/99	Fall	8	Raccoon	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	1	Bobcat	2
25	Lake Hodges Sycamore Creek	1/3/00	Winter	1	Coyote	18
25	Lake Hodges Sycamore Creek	1/3/00	Winter	1	Gray Fox	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	1	Mule Deer	7
25	Lake Hodges Sycamore Creek	1/3/00	Winter	1	Opossum	2
25	Lake Hodges Sycamore Creek	1/3/00	Winter	1	Raccoon	2
25	Lake Hodges Sycamore Creek	1/3/00	Winter	1	podrat/Pack	3
25	Lake Hodges Sycamore Creek	1/3/00	Winter	2	Bobcat	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	2	Coyote	12
25	Lake Hodges Sycamore Creek	1/3/00	Winter	2	Mule Deer	7
25	Lake Hodges Sycamore Creek	1/3/00	Winter	2	Raccoon	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	2	podrat/Pack	2
25	Lake Hodges Sycamore Creek	1/3/00	Winter	3	Coyote	7
25	Lake Hodges Sycamore Creek	1/3/00	Winter	3	Mule Deer	3
25	Lake Hodges Sycamore Creek	1/3/00	Winter	3	Raccoon	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	3	podrat/Pack	8
25	Lake Hodges Sycamore Creek	1/3/00	Winter	4	Bobcat	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	4	Coyote	8
25	Lake Hodges Sycamore Creek	1/3/00	Winter	4	Mule Deer	11
25	Lake Hodges Sycamore Creek	1/3/00	Winter	4	Raccoon	2
25	Lake Hodges Sycamore Creek	1/3/00	Winter	4	podrat/Pack	4
25	Lake Hodges Sycamore Creek	1/3/00	Winter	5	Bobcat	2
25	Lake Hodges Sycamore Creek	1/3/00	Winter	5	Coyote	8
25	Lake Hodges Sycamore Creek	1/3/00	Winter	5	Mule Deer	10
25	Lake Hodges Sycamore Creek	1/3/00	Winter	5	Opossum	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	5	Raccoon	3
25	Lake Hodges Sycamore Creek	1/3/00	Winter	6	Bobcat	12
25	Lake Hodges Sycamore Creek	1/3/00	Winter	6	Coyote	18
25	Lake Hodges Sycamore Creek	1/3/00	Winter	6	Mule Deer	12
25	Lake Hodges Sycamore Creek	1/3/00	Winter	6	Raccoon	5
25	Lake Hodges Sycamore Creek	1/3/00	Winter	6	Unknown	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	6	podrat/Pack	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	7	Bobcat	2
25	Lake Hodges Sycamore Creek	1/3/00	Winter	7	Coyote	5
25	Lake Hodges Sycamore Creek	1/3/00	Winter	7	Mule Deer	8
25	Lake Hodges Sycamore Creek	1/3/00	Winter	7	Raccoon	3
25	Lake Hodges Sycamore Creek	1/3/00	Winter	8	Bobcat	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	8	Coyote	1
25	Lake Hodges Sycamore Creek	1/3/00	Winter	8	Raccoon	2
25	Lake Hodges Sycamore Creek	4/20/00	Spring	1	Bobcat	2
25	Lake Hodges Sycamore Creek	4/20/00	Spring	1	Raccoon	3
25	Lake Hodges Sycamore Creek	4/20/00	Spring	1	Unknown	1
25	Lake Hodges Sycamore Creek	4/20/00	Spring	2	Coyote	3
25	Lake Hodges Sycamore Creek	4/20/00	Spring	2	podrat/Pack	1
25	Lake Hodges Sycamore Creek	4/20/00	Spring	3	Coyote	4
25	Lake Hodges Sycamore Creek	4/20/00	Spring	3	podrat/Pack	2
25	Lake Hodges Sycamore Creek	4/20/00	Spring	4	Coyote	2
25	Lake Hodges Sycamore Creek	4/20/00	Spring	4	Mule Deer	7
25	Lake Hodges Sycamore Creek	4/20/00	Spring	4	podrat/Pack	2

**Appendix B  
San Diego Tracking Team Wildlife Sign Survey Results**

TransID#	Transect Name	Date	Season	Section	Species	Count
25	Lake Hodges Sycamore Creek	4/20/00	Spring	5	Coyote	6
25	Lake Hodges Sycamore Creek	4/20/00	Spring	5	Mule Deer	3
25	Lake Hodges Sycamore Creek	4/20/00	Spring	5	Raccoon	5
25	Lake Hodges Sycamore Creek	4/20/00	Spring	6	Bobcat	1
25	Lake Hodges Sycamore Creek	4/20/00	Spring	6	Coyote	10
25	Lake Hodges Sycamore Creek	4/20/00	Spring	6	Mule Deer	7
25	Lake Hodges Sycamore Creek	4/20/00	Spring	6	Opossum	1
25	Lake Hodges Sycamore Creek	4/20/00	Spring	6	Raccoon	1
25	Lake Hodges Sycamore Creek	4/20/00	Spring	6	podrat/Pack	1
25	Lake Hodges Sycamore Creek	4/20/00	Spring	7	Coyote	6
25	Lake Hodges Sycamore Creek	4/20/00	Spring	7	Mule Deer	1
25	Lake Hodges Sycamore Creek	4/20/00	Spring	7	Raccoon	3
25	Lake Hodges Sycamore Creek	4/20/00	Spring	7	podrat/Pack	3
25	Lake Hodges Sycamore Creek	4/20/00	Spring	8	Coyote	3
25	Lake Hodges Sycamore Creek	4/20/00	Spring	8	Raccoon	1
25	Lake Hodges Sycamore Creek	8/4/00	Summer	1	Bobcat	1
25	Lake Hodges Sycamore Creek	8/4/00	Summer	1	Coyote	5
25	Lake Hodges Sycamore Creek	8/4/00	Summer	1	Opossum	3
25	Lake Hodges Sycamore Creek	8/4/00	Summer	1	Raccoon	4
25	Lake Hodges Sycamore Creek	8/4/00	Summer	1	podrat/Pack	2
25	Lake Hodges Sycamore Creek	8/4/00	Summer	2	Coyote	4
25	Lake Hodges Sycamore Creek	8/4/00	Summer	2	Gray Fox	1
25	Lake Hodges Sycamore Creek	8/4/00	Summer	2	Mule Deer	3
25	Lake Hodges Sycamore Creek	8/4/00	Summer	2	Raccoon	3
25	Lake Hodges Sycamore Creek	8/4/00	Summer	2	podrat/Pack	6
25	Lake Hodges Sycamore Creek	8/4/00	Summer	3	Coyote	6
25	Lake Hodges Sycamore Creek	8/4/00	Summer	3	Gray Fox	1
25	Lake Hodges Sycamore Creek	8/4/00	Summer	3	Mule Deer	3
25	Lake Hodges Sycamore Creek	8/4/00	Summer	3	Raccoon	1
25	Lake Hodges Sycamore Creek	8/4/00	Summer	3	podrat/Pack	3
25	Lake Hodges Sycamore Creek	8/4/00	Summer	4	Coyote	13
25	Lake Hodges Sycamore Creek	8/4/00	Summer	4	Gray Fox	2
25	Lake Hodges Sycamore Creek	8/4/00	Summer	4	Mule Deer	4
25	Lake Hodges Sycamore Creek	8/4/00	Summer	4	Raccoon	3
25	Lake Hodges Sycamore Creek	8/4/00	Summer	4	podrat/Pack	2
25	Lake Hodges Sycamore Creek	8/4/00	Summer	5	Coyote	4
25	Lake Hodges Sycamore Creek	8/4/00	Summer	5	Mule Deer	3
25	Lake Hodges Sycamore Creek	8/4/00	Summer	5	Raccoon	5
25	Lake Hodges Sycamore Creek	8/4/00	Summer	5	podrat/Pack	2
25	Lake Hodges Sycamore Creek	8/4/00	Summer	6	Bobcat	4
25	Lake Hodges Sycamore Creek	8/4/00	Summer	6	Coyote	9
25	Lake Hodges Sycamore Creek	8/4/00	Summer	6	Gray Fox	2
25	Lake Hodges Sycamore Creek	8/4/00	Summer	6	Mule Deer	2
25	Lake Hodges Sycamore Creek	8/4/00	Summer	6	Raccoon	7
25	Lake Hodges Sycamore Creek	8/4/00	Summer	6	podrat/Pack	1
25	Lake Hodges Sycamore Creek	8/4/00	Summer	7	Bobcat	2
25	Lake Hodges Sycamore Creek	8/4/00	Summer	7	Coyote	6
25	Lake Hodges Sycamore Creek	8/4/00	Summer	7	Gray Fox	1
25	Lake Hodges Sycamore Creek	8/4/00	Summer	7	Mule Deer	2
25	Lake Hodges Sycamore Creek	8/4/00	Summer	7	Raccoon	3
25	Lake Hodges Sycamore Creek	8/4/00	Summer	8	Coyote	1
25	Lake Hodges Sycamore Creek	8/4/00	Summer	8	Gray Fox	1
25	Lake Hodges Sycamore Creek	8/4/00	Summer	8	Raccoon	6
25	Lake Hodges Sycamore Creek	8/4/00	Summer	8	podrat/Pack	4
25	Lake Hodges Sycamore Creek	5/19/01	Spring	1	Bobcat	1
25	Lake Hodges Sycamore Creek	5/19/01	Spring	1	Coyote	1
25	Lake Hodges Sycamore Creek	5/19/01	Spring	1	Mule Deer	1
25	Lake Hodges Sycamore Creek	5/19/01	Spring	2	Bobcat	2
25	Lake Hodges Sycamore Creek	5/19/01	Spring	2	Coyote	5
25	Lake Hodges Sycamore Creek	5/19/01	Spring	2	Mule Deer	2
25	Lake Hodges Sycamore Creek	5/19/01	Spring	3	Bobcat	2
25	Lake Hodges Sycamore Creek	5/19/01	Spring	3	Coyote	2
25	Lake Hodges Sycamore Creek	5/19/01	Spring	4	Coyote	1
25	Lake Hodges Sycamore Creek	5/19/01	Spring	4	Gray Fox	1
25	Lake Hodges Sycamore Creek	5/19/01	Spring	4	Mule Deer	7
25	Lake Hodges Sycamore Creek	5/19/01	Spring	5	Coyote	4
25	Lake Hodges Sycamore Creek	5/19/01	Spring	5	Mule Deer	6
25	Lake Hodges Sycamore Creek	5/19/01	Spring	6	Bobcat	1
25	Lake Hodges Sycamore Creek	5/19/01	Spring	6	Coyote	6

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID#	Transect Name	Date	Season	Section	Species	Count
25	Lake Hodges Sycamore Creek	5/19/01	Spring	6	Mule Deer	13
25	Lake Hodges Sycamore Creek	5/19/01	Spring	6	podrat/Pack	1
25	Lake Hodges Sycamore Creek	5/19/01	Spring	7	Coyote	1
25	Lake Hodges Sycamore Creek	5/19/01	Spring	8	Bobcat	3
25	Lake Hodges Sycamore Creek	5/19/01	Spring	8	Coyote	2
25	Lake Hodges Sycamore Creek	8/3/01	Summer	1	Bobcat	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	1	Coyote	13
25	Lake Hodges Sycamore Creek	8/3/01	Summer	1	Opossum	2
25	Lake Hodges Sycamore Creek	8/3/01	Summer	1	Raccoon	4
25	Lake Hodges Sycamore Creek	8/3/01	Summer	2	Bobcat	3
25	Lake Hodges Sycamore Creek	8/3/01	Summer	2	Coyote	10
25	Lake Hodges Sycamore Creek	8/3/01	Summer	2	Raccoon	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	2	podrat/Pack	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	3	Bobcat	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	3	Coyote	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	3	podrat/Pack	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	4	Coyote	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	4	Opossum	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	5	Coyote	4
25	Lake Hodges Sycamore Creek	8/3/01	Summer	6	Bobcat	3
25	Lake Hodges Sycamore Creek	8/3/01	Summer	6	Coyote	9
25	Lake Hodges Sycamore Creek	8/3/01	Summer	6	Mule Deer	2
25	Lake Hodges Sycamore Creek	8/3/01	Summer	6	podrat/Pack	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	7	Coyote	2
25	Lake Hodges Sycamore Creek	8/3/01	Summer	8	Coyote	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	8	Mule Deer	1
25	Lake Hodges Sycamore Creek	8/3/01	Summer	8	podrat/Pack	1
25	Lake Hodges Sycamore Creek	10/28/01	Fall	1	Bobcat	5
25	Lake Hodges Sycamore Creek	10/28/01	Fall	1	Coyote	15
25	Lake Hodges Sycamore Creek	10/28/01	Fall	1	Mule Deer	9
25	Lake Hodges Sycamore Creek	10/28/01	Fall	1	Raccoon	19
25	Lake Hodges Sycamore Creek	10/28/01	Fall	1	podrat/Pack	7
25	Lake Hodges Sycamore Creek	10/28/01	Fall	2	Bobcat	4
25	Lake Hodges Sycamore Creek	10/28/01	Fall	2	Coyote	3
25	Lake Hodges Sycamore Creek	10/28/01	Fall	2	Mule Deer	11
25	Lake Hodges Sycamore Creek	10/28/01	Fall	2	Raccoon	2
25	Lake Hodges Sycamore Creek	10/28/01	Fall	2	podrat/Pack	1
25	Lake Hodges Sycamore Creek	10/28/01	Fall	3	Bobcat	2
25	Lake Hodges Sycamore Creek	10/28/01	Fall	3	Coyote	12
25	Lake Hodges Sycamore Creek	10/28/01	Fall	3	Mule Deer	5
25	Lake Hodges Sycamore Creek	10/28/01	Fall	3	Raccoon	9
25	Lake Hodges Sycamore Creek	10/28/01	Fall	3	podrat/Pack	3
25	Lake Hodges Sycamore Creek	10/28/01	Fall	4	Bobcat	4
25	Lake Hodges Sycamore Creek	10/28/01	Fall	4	Coyote	18
25	Lake Hodges Sycamore Creek	10/28/01	Fall	4	Gray Fox	2
25	Lake Hodges Sycamore Creek	10/28/01	Fall	4	Mule Deer	5
25	Lake Hodges Sycamore Creek	10/28/01	Fall	4	Raccoon	1
25	Lake Hodges Sycamore Creek	10/28/01	Fall	4	podrat/Pack	1
25	Lake Hodges Sycamore Creek	10/28/01	Fall	5	Coyote	15
25	Lake Hodges Sycamore Creek	10/28/01	Fall	5	Mule Deer	11
25	Lake Hodges Sycamore Creek	10/28/01	Fall	5	Raccoon	7
25	Lake Hodges Sycamore Creek	10/28/01	Fall	5	podrat/Pack	1
25	Lake Hodges Sycamore Creek	10/28/01	Fall	6	Bobcat	6
25	Lake Hodges Sycamore Creek	10/28/01	Fall	6	Coyote	6
25	Lake Hodges Sycamore Creek	10/28/01	Fall	6	Gray Fox	2
25	Lake Hodges Sycamore Creek	10/28/01	Fall	6	Mule Deer	15
25	Lake Hodges Sycamore Creek	10/28/01	Fall	6	Raccoon	13
25	Lake Hodges Sycamore Creek	10/28/01	Fall	6	podrat/Pack	2
25	Lake Hodges Sycamore Creek	10/28/01	Fall	7	Bobcat	1
25	Lake Hodges Sycamore Creek	10/28/01	Fall	7	Coyote	4
25	Lake Hodges Sycamore Creek	10/28/01	Fall	7	Mule Deer	2
25	Lake Hodges Sycamore Creek	10/28/01	Fall	7	Raccoon	3
25	Lake Hodges Sycamore Creek	10/28/01	Fall	8	Bobcat	1
25	Lake Hodges Sycamore Creek	10/28/01	Fall	8	Coyote	3
25	Lake Hodges Sycamore Creek	10/28/01	Fall	8	Mule Deer	5
25	Lake Hodges Sycamore Creek	10/28/01	Fall	8	Raccoon	3
25	Lake Hodges Sycamore Creek	10/28/01	Fall	8	podrat/Pack	2
25	Lake Hodges Sycamore Creek	2/9/02	Winter	1	Bobcat	4
25	Lake Hodges Sycamore Creek	2/9/02	Winter	1	Coyote	3

**Appendix B  
San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
25	Lake Hodges Sycamore Creek	2/9/02	Winter	1	Mule Deer	13
25	Lake Hodges Sycamore Creek	2/9/02	Winter	1	Raccoon	4
25	Lake Hodges Sycamore Creek	2/9/02	Winter	1	podrat/Pack	4
25	Lake Hodges Sycamore Creek	2/9/02	Winter	2	Bobcat	2
25	Lake Hodges Sycamore Creek	2/9/02	Winter	2	Coyote	5
25	Lake Hodges Sycamore Creek	2/9/02	Winter	2	Mule Deer	14
25	Lake Hodges Sycamore Creek	2/9/02	Winter	2	Raccoon	5
25	Lake Hodges Sycamore Creek	2/9/02	Winter	2	podrat/Pack	7
25	Lake Hodges Sycamore Creek	2/9/02	Winter	3	Bobcat	2
25	Lake Hodges Sycamore Creek	2/9/02	Winter	3	Coyote	4
25	Lake Hodges Sycamore Creek	2/9/02	Winter	3	Mule Deer	8
25	Lake Hodges Sycamore Creek	2/9/02	Winter	3	Raccoon	3
25	Lake Hodges Sycamore Creek	2/9/02	Winter	3	podrat/Pack	6
25	Lake Hodges Sycamore Creek	2/9/02	Winter	4	Bobcat	3
25	Lake Hodges Sycamore Creek	2/9/02	Winter	4	Coyote	9
25	Lake Hodges Sycamore Creek	2/9/02	Winter	4	Mule Deer	3
25	Lake Hodges Sycamore Creek	2/9/02	Winter	4	Raccoon	1
25	Lake Hodges Sycamore Creek	2/9/02	Winter	4	podrat/Pack	9
25	Lake Hodges Sycamore Creek	2/9/02	Winter	5	Bobcat	3
25	Lake Hodges Sycamore Creek	2/9/02	Winter	5	Coyote	6
25	Lake Hodges Sycamore Creek	2/9/02	Winter	5	Mule Deer	7
25	Lake Hodges Sycamore Creek	2/9/02	Winter	5	Raccoon	1
25	Lake Hodges Sycamore Creek	2/9/02	Winter	5	podrat/Pack	1
25	Lake Hodges Sycamore Creek	2/9/02	Winter	6	Bobcat	5
25	Lake Hodges Sycamore Creek	2/9/02	Winter	6	Coyote	4
25	Lake Hodges Sycamore Creek	2/9/02	Winter	6	Mule Deer	16
25	Lake Hodges Sycamore Creek	2/9/02	Winter	6	Raccoon	2
25	Lake Hodges Sycamore Creek	2/9/02	Winter	6	podrat/Pack	2
25	Lake Hodges Sycamore Creek	2/9/02	Winter	7	Bobcat	1
25	Lake Hodges Sycamore Creek	2/9/02	Winter	7	Mule Deer	5
25	Lake Hodges Sycamore Creek	2/9/02	Winter	7	Raccoon	3
25	Lake Hodges Sycamore Creek	2/9/02	Winter	8	podrat/Pack	2
25	Lake Hodges Sycamore Creek	7/30/02	Summer	1	Bobcat	4
25	Lake Hodges Sycamore Creek	7/30/02	Summer	1	Coyote	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	1	Mule Deer	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	1	podrat/Pack	2
25	Lake Hodges Sycamore Creek	7/30/02	Summer	2	Bobcat	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	2	Coyote	3
25	Lake Hodges Sycamore Creek	7/30/02	Summer	2	Mule Deer	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	2	podrat/Pack	5
25	Lake Hodges Sycamore Creek	7/30/02	Summer	3	Bobcat	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	3	Coyote	5
25	Lake Hodges Sycamore Creek	7/30/02	Summer	3	Mule Deer	5
25	Lake Hodges Sycamore Creek	7/30/02	Summer	3	Raccoon	2
25	Lake Hodges Sycamore Creek	7/30/02	Summer	3	podrat/Pack	3
25	Lake Hodges Sycamore Creek	7/30/02	Summer	4	Bobcat	4
25	Lake Hodges Sycamore Creek	7/30/02	Summer	4	Coyote	8
25	Lake Hodges Sycamore Creek	7/30/02	Summer	4	Mule Deer	5
25	Lake Hodges Sycamore Creek	7/30/02	Summer	4	Raccoon	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	4	Roadrunner	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	4	podrat/Pack	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	5	Bobcat	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	5	Coyote	2
25	Lake Hodges Sycamore Creek	7/30/02	Summer	6	Bobcat	4
25	Lake Hodges Sycamore Creek	7/30/02	Summer	6	Coyote	6
25	Lake Hodges Sycamore Creek	7/30/02	Summer	6	Gray Fox	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	6	Mule Deer	6
25	Lake Hodges Sycamore Creek	7/30/02	Summer	6	Raccoon	2
25	Lake Hodges Sycamore Creek	7/30/02	Summer	6	podrat/Pack	3
25	Lake Hodges Sycamore Creek	7/30/02	Summer	7	Bobcat	3
25	Lake Hodges Sycamore Creek	7/30/02	Summer	7	Coyote	3
25	Lake Hodges Sycamore Creek	7/30/02	Summer	7	Gray Fox	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	7	Mule Deer	4
25	Lake Hodges Sycamore Creek	7/30/02	Summer	8	Bobcat	1
25	Lake Hodges Sycamore Creek	7/30/02	Summer	8	Mule Deer	2
25	Lake Hodges Sycamore Creek	7/30/02	Summer	8	podrat/Pack	2
25	Lake Hodges Sycamore Creek	11/2/02	Fall	1	Bobcat	3
25	Lake Hodges Sycamore Creek	11/2/02	Fall	1	Coyote	11
25	Lake Hodges Sycamore Creek	11/2/02	Fall	1	Gray Fox	1



**Appendix B  
San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
25	Lake Hodges Sycamore Creek	11/2/02	Fall	1	Mule Deer	6
25	Lake Hodges Sycamore Creek	11/2/02	Fall	1	Raccoon	10
25	Lake Hodges Sycamore Creek	11/2/02	Fall	2	Bobcat	1
25	Lake Hodges Sycamore Creek	11/2/02	Fall	2	Coyote	7
25	Lake Hodges Sycamore Creek	11/2/02	Fall	2	Mule Deer	4
25	Lake Hodges Sycamore Creek	11/2/02	Fall	2	Raccoon	6
25	Lake Hodges Sycamore Creek	11/2/02	Fall	2	podrat/Pack	2
25	Lake Hodges Sycamore Creek	11/2/02	Fall	3	Bobcat	1
25	Lake Hodges Sycamore Creek	11/2/02	Fall	3	Coyote	2
25	Lake Hodges Sycamore Creek	11/2/02	Fall	3	Mule Deer	8
25	Lake Hodges Sycamore Creek	11/2/02	Fall	4	Bobcat	2
25	Lake Hodges Sycamore Creek	11/2/02	Fall	4	Coyote	5
25	Lake Hodges Sycamore Creek	11/2/02	Fall	4	Mule Deer	4
25	Lake Hodges Sycamore Creek	11/2/02	Fall	4	Raccoon	4
25	Lake Hodges Sycamore Creek	11/2/02	Fall	4	podrat/Pack	5
25	Lake Hodges Sycamore Creek	11/2/02	Fall	5	Coyote	4
25	Lake Hodges Sycamore Creek	11/2/02	Fall	5	Mule Deer	3
25	Lake Hodges Sycamore Creek	11/2/02	Fall	5	Raccoon	2
25	Lake Hodges Sycamore Creek	11/2/02	Fall	6	Bobcat	7
25	Lake Hodges Sycamore Creek	11/2/02	Fall	6	Coyote	1
25	Lake Hodges Sycamore Creek	11/2/02	Fall	6	Gray Fox	1
25	Lake Hodges Sycamore Creek	11/2/02	Fall	6	Mule Deer	8
25	Lake Hodges Sycamore Creek	11/2/02	Fall	6	Raccoon	2
25	Lake Hodges Sycamore Creek	11/2/02	Fall	6	podrat/Pack	2
25	Lake Hodges Sycamore Creek	11/2/02	Fall	7	Coyote	1
25	Lake Hodges Sycamore Creek	11/2/02	Fall	7	Mule Deer	5
25	Lake Hodges Sycamore Creek	11/2/02	Fall	7	Raccoon	1
25	Lake Hodges Sycamore Creek	11/2/02	Fall	8	Bobcat	1
25	Lake Hodges Sycamore Creek	11/2/02	Fall	8	Mule Deer	4
25	Lake Hodges Sycamore Creek	11/2/02	Fall	8	Raccoon	4
25	Lake Hodges Sycamore Creek	11/2/02	Fall	8	podrat/Pack	4
46	Lusardi Creek West End	1/14/02	Winter	1	Coyote	20
46	Lusardi Creek West End	1/14/02	Winter	1	Gray Fox	1
46	Lusardi Creek West End	1/14/02	Winter	1	Raccoon	1
46	Lusardi Creek West End	1/14/02	Winter	1	podrat/Pack	4
46	Lusardi Creek West End	1/14/02	Winter	2	Bobcat	1
46	Lusardi Creek West End	1/14/02	Winter	2	Coyote	8
46	Lusardi Creek West End	1/14/02	Winter	2	Raccoon	2
46	Lusardi Creek West End	1/14/02	Winter	2	podrat/Pack	3
46	Lusardi Creek West End	1/14/02	Winter	3	Bobcat	3
46	Lusardi Creek West End	1/14/02	Winter	3	Coyote	4
46	Lusardi Creek West End	1/14/02	Winter	3	Gray Fox	4
46	Lusardi Creek West End	1/14/02	Winter	3	Raccoon	2
46	Lusardi Creek West End	1/14/02	Winter	4	Bobcat	17
46	Lusardi Creek West End	1/14/02	Winter	4	Coyote	2
46	Lusardi Creek West End	1/14/02	Winter	4	Gray Fox	1
46	Lusardi Creek West End	1/14/02	Winter	4	Mule Deer	9
46	Lusardi Creek West End	1/14/02	Winter	4	Raccoon	1
46	Lusardi Creek West End	1/14/02	Winter	4	podrat/Pack	1
46	Lusardi Creek West End	1/14/02	Winter	5	Bobcat	1
46	Lusardi Creek West End	1/14/02	Winter	5	Coyote	1
46	Lusardi Creek West End	1/14/02	Winter	5	Gray Fox	1
46	Lusardi Creek West End	1/14/02	Winter	5	Mule Deer	17
46	Lusardi Creek West End	1/14/02	Winter	5	podrat/Pack	3
46	Lusardi Creek West End	4/25/02	Spring	1	Bobcat	9
46	Lusardi Creek West End	4/25/02	Spring	1	Coyote	14
46	Lusardi Creek West End	4/25/02	Spring	1	Gray Fox	2
46	Lusardi Creek West End	4/25/02	Spring	1	Raccoon	1
46	Lusardi Creek West End	4/25/02	Spring	1	podrat/Pack	3
46	Lusardi Creek West End	4/25/02	Spring	2	Tailed Jack	2
46	Lusardi Creek West End	4/25/02	Spring	2	Bobcat	8
46	Lusardi Creek West End	4/25/02	Spring	2	Coyote	11
46	Lusardi Creek West End	4/25/02	Spring	2	Mule Deer	6
46	Lusardi Creek West End	4/25/02	Spring	2	Raccoon	1
46	Lusardi Creek West End	4/25/02	Spring	2	podrat/Pack	3
46	Lusardi Creek West End	4/25/02	Spring	3	Tailed Jack	1
46	Lusardi Creek West End	4/25/02	Spring	3	Bobcat	12
46	Lusardi Creek West End	4/25/02	Spring	3	Mountain Lid	2
46	Lusardi Creek West End	4/25/02	Spring	3	Coyote	14

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
46	Lusardi Creek West End	4/25/02	Spring	3	Gray Fox	1
46	Lusardi Creek West End	4/25/02	Spring	3	Raccoon	2
46	Lusardi Creek West End	4/25/02	Spring	3	podrat/Pack	3
46	Lusardi Creek West End	4/25/02	Spring	4	Bobcat	12
46	Lusardi Creek West End	4/25/02	Spring	4	Coyote	5
46	Lusardi Creek West End	4/25/02	Spring	4	Gray Fox	3
46	Lusardi Creek West End	4/25/02	Spring	4	Mule Deer	4
46	Lusardi Creek West End	4/25/02	Spring	4	podrat/Pack	3
46	Lusardi Creek West End	4/25/02	Spring	5	Bobcat	3
46	Lusardi Creek West End	4/25/02	Spring	5	Mule Deer	10
46	Lusardi Creek West End	4/25/02	Spring	5	Roadrunner	1
46	Lusardi Creek West End	4/25/02	Spring	5	podrat/Pack	4
46	Lusardi Creek West End	8/17/02	Summer	1	Bobcat	5
46	Lusardi Creek West End	8/17/02	Summer	1	Coyote	17
46	Lusardi Creek West End	8/17/02	Summer	1	Gray Fox	1
46	Lusardi Creek West End	8/17/02	Summer	1	Mule Deer	1
46	Lusardi Creek West End	8/17/02	Summer	1	podrat/Pack	2
46	Lusardi Creek West End	8/17/02	Summer	2	Bobcat	6
46	Lusardi Creek West End	8/17/02	Summer	2	Coyote	10
46	Lusardi Creek West End	8/17/02	Summer	2	Mule Deer	2
46	Lusardi Creek West End	8/17/02	Summer	2	Raccoon	1
46	Lusardi Creek West End	8/17/02	Summer	3	Tailed Jack	1
46	Lusardi Creek West End	8/17/02	Summer	3	Bobcat	6
46	Lusardi Creek West End	8/17/02	Summer	3	Mountain Lid	1
46	Lusardi Creek West End	8/17/02	Summer	3	Coyote	15
46	Lusardi Creek West End	8/17/02	Summer	3	Gray Fox	1
46	Lusardi Creek West End	8/17/02	Summer	3	Mule Deer	3
46	Lusardi Creek West End	8/17/02	Summer	3	Raccoon	6
46	Lusardi Creek West End	8/17/02	Summer	3	podrat/Pack	3
46	Lusardi Creek West End	8/17/02	Summer	4	Bobcat	7
46	Lusardi Creek West End	8/17/02	Summer	4	Coyote	1
46	Lusardi Creek West End	8/17/02	Summer	4	Mule Deer	6
46	Lusardi Creek West End	8/17/02	Summer	4	Raccoon	4
46	Lusardi Creek West End	8/17/02	Summer	4	podrat/Pack	1
46	Lusardi Creek West End	8/17/02	Summer	5	Bobcat	1
46	Lusardi Creek West End	8/17/02	Summer	5	Mule Deer	1
46	Lusardi Creek West End	8/17/02	Summer	5	Raccoon	1
46	Lusardi Creek West End	8/17/02	Summer	5	podrat/Pack	2
46	Lusardi Creek West End	11/3/02	Fall	1	Bobcat	1
46	Lusardi Creek West End	11/3/02	Fall	1	Coyote	11
46	Lusardi Creek West End	11/3/02	Fall	1	Mule Deer	11
46	Lusardi Creek West End	11/3/02	Fall	1	Raccoon	1
46	Lusardi Creek West End	11/3/02	Fall	2	Bobcat	7
46	Lusardi Creek West End	11/3/02	Fall	2	Mule Deer	6
46	Lusardi Creek West End	11/3/02	Fall	3	Bobcat	2
46	Lusardi Creek West End	11/3/02	Fall	3	Coyote	6
46	Lusardi Creek West End	11/3/02	Fall	3	Mule Deer	3
46	Lusardi Creek West End	11/3/02	Fall	3	Raccoon	2
46	Lusardi Creek West End	11/3/02	Fall	4	Bobcat	4
46	Lusardi Creek West End	11/3/02	Fall	4	Coyote	4
46	Lusardi Creek West End	11/3/02	Fall	4	Mule Deer	23
46	Lusardi Creek West End	11/3/02	Fall	4	Raccoon	1
46	Lusardi Creek West End	11/3/02	Fall	5	Bobcat	3
46	Lusardi Creek West End	11/3/02	Fall	5	Mule Deer	12
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	1	Bobcat	2
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	1	Coyote	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	1	Raccoon	5
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	2	Coyote	2
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	2	Opossum	7
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	2	Raccoon	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	3	Coyote	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	3	Opossum	9
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	3	Raccoon	10
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	5	Coyote	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	5	Opossum	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	12/14/01	Fall	5	Raccoon	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	2/27/02	Winter	1	Coyote	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	2/27/02	Winter	2	Coyote	4
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	2/27/02	Winter	2	Raccoon	2

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID#	Transect Name	Date	Season	Section	Species	Count
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	2/27/02	Winter	2	podrat/Pack	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	2/27/02	Winter	3	Coyote	2
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	2/27/02	Winter	3	Raccoon	2
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	2/27/02	Winter	4	Bobcat	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	2/27/02	Winter	4	Coyote	4
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	2/27/02	Winter	4	Raccoon	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	1	Coyote	4
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	2	Bobcat	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	2	Coyote	7
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	2	Opossum	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	2	podrat/Pack	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	3	Bobcat	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	3	Coyote	7
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	3	Opossum	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	4	mountain Lic	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	4	Coyote	7
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	4	Opossum	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	5/23/02	Spring	5	Coyote	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	7/9/02	Summer	1	Coyote	2
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	7/9/02	Summer	1	Roadrunner	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	7/9/02	Summer	2	Bobcat	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	7/9/02	Summer	2	Coyote	2
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	7/9/02	Summer	3	Coyote	5
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	7/9/02	Summer	4	Coyote	5
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	7/9/02	Summer	5	Coyote	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	1	Bobcat	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	1	Coyote	4
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	2	Coyote	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	2	Opossum	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	2	Raccoon	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	3	Coyote	3
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	3	Opossum	1
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	3	Raccoon	2
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	4	Bobcat	2
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	4	Coyote	4
44	Otay Mesa Rd. and Corporate Ctr. Dr. Culvert	11/19/02	Fall	5	Coyote	4
24	Crest	5/1/99	Spring	1	Bobcat	4
24	Crest	5/1/99	Spring	1	Coyote	10
24	Crest	5/1/99	Spring	1	Gray Fox	1
24	Crest	5/1/99	Spring	1	Unknown	1
24	Crest	5/1/99	Spring	1	podrat/Pack	1
24	Crest	5/1/99	Spring	2	Bobcat	2
24	Crest	5/1/99	Spring	2	Coyote	8
24	Crest	5/1/99	Spring	2	Gray Fox	1
24	Crest	5/1/99	Spring	3	Bobcat	2
24	Crest	5/1/99	Spring	3	Coyote	9
24	Crest	5/1/99	Spring	4	Coyote	10
24	Crest	5/1/99	Spring	4	Gray Fox	1
24	Crest	5/1/99	Spring	4	podrat/Pack	1
24	Crest	7/31/99	Summer	1	Bobcat	2
24	Crest	7/31/99	Summer	1	Coyote	5
24	Crest	7/31/99	Summer	1	podrat/Pack	2
24	Crest	7/31/99	Summer	2	Bobcat	1
24	Crest	7/31/99	Summer	2	Coyote	10
24	Crest	7/31/99	Summer	2	podrat/Pack	1
24	Crest	7/31/99	Summer	3	Bobcat	1
24	Crest	7/31/99	Summer	3	Coyote	10
24	Crest	7/31/99	Summer	4	Bobcat	2
24	Crest	7/31/99	Summer	4	Coyote	10
24	Crest	10/30/99	Fall	1	Bobcat	1
24	Crest	10/30/99	Fall	1	Coyote	6
24	Crest	10/30/99	Fall	1	Gray Fox	1
24	Crest	10/30/99	Fall	2	Coyote	10
24	Crest	10/30/99	Fall	3	Coyote	15
24	Crest	10/30/99	Fall	3	Gray Fox	3
24	Crest	10/30/99	Fall	3	Raccoon	3
24	Crest	10/30/99	Fall	3	Unknown	1
24	Crest	10/30/99	Fall	3	podrat/Pack	4
24	Crest	10/30/99	Fall	4	Bobcat	4

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
24	Crest	10/30/99	Fall	4	Coyote	9
24	Crest	10/30/99	Fall	4	Gray Fox	2
24	Crest	10/30/99	Fall	4	Raccoon	2
24	Crest	1/29/00	Winter	1	Bobcat	1
24	Crest	1/29/00	Winter	1	Coyote	5
24	Crest	1/29/00	Winter	1	Gray Fox	1
24	Crest	1/29/00	Winter	1	Mule Deer	1
24	Crest	1/29/00	Winter	1	Raccoon	1
24	Crest	1/29/00	Winter	2	Bobcat	6
24	Crest	1/29/00	Winter	2	Coyote	9
24	Crest	1/29/00	Winter	2	Gray Fox	1
24	Crest	1/29/00	Winter	2	podrat/Pack	1
24	Crest	1/29/00	Winter	3	Coyote	15
24	Crest	1/29/00	Winter	3	Mule Deer	1
24	Crest	1/29/00	Winter	4	Bobcat	2
24	Crest	1/29/00	Winter	4	Coyote	15
24	Crest	1/29/00	Winter	4	Gray Fox	1
24	Crest	5/6/00	Spring	1	Bobcat	1
24	Crest	5/6/00	Spring	1	Coyote	5
24	Crest	5/6/00	Spring	1	podrat/Pack	1
24	Crest	5/6/00	Spring	2	Coyote	10
24	Crest	5/6/00	Spring	2	Gray Fox	2
24	Crest	5/6/00	Spring	2	podrat/Pack	2
24	Crest	5/6/00	Spring	4	Coyote	10
24	Crest	5/6/00	Spring	4	podrat/Pack	6
24	Crest	8/5/00	Summer	1	Bobcat	2
24	Crest	8/5/00	Summer	1	Coyote	6
24	Crest	8/5/00	Summer	1	podrat/Pack	2
24	Crest	8/5/00	Summer	2	Bobcat	4
24	Crest	8/5/00	Summer	2	Coyote	7
24	Crest	8/5/00	Summer	2	Gray Fox	1
24	Crest	8/5/00	Summer	2	podrat/Pack	1
24	Crest	8/5/00	Summer	3	Bobcat	1
24	Crest	8/5/00	Summer	3	Coyote	7
24	Crest	8/5/00	Summer	3	Gray Fox	1
24	Crest	8/5/00	Summer	3	Raccoon	1
24	Crest	8/5/00	Summer	3	podrat/Pack	1
24	Crest	8/5/00	Summer	4	Coyote	10
24	Crest	8/5/00	Summer	4	Raccoon	1
24	Crest	8/5/00	Summer	4	podrat/Pack	1
24	Crest	10/28/00	Fall	1	Coyote	5
24	Crest	10/28/00	Fall	1	Mule Deer	1
24	Crest	10/28/00	Fall	1	podrat/Pack	1
24	Crest	10/28/00	Fall	2	Bobcat	5
24	Crest	10/28/00	Fall	2	Coyote	9
24	Crest	10/28/00	Fall	2	Gray Fox	2
24	Crest	10/28/00	Fall	2	Raccoon	2
24	Crest	10/28/00	Fall	3	Coyote	4
24	Crest	10/28/00	Fall	4	Bobcat	2
24	Crest	10/28/00	Fall	4	Coyote	12
24	Crest	1/29/01	Winter	1	Bobcat	1
24	Crest	1/29/01	Winter	1	Coyote	3
24	Crest	1/29/01	Winter	2	Bobcat	2
24	Crest	1/29/01	Winter	2	Coyote	7
24	Crest	1/29/01	Winter	2	Raccoon	2
24	Crest	1/29/01	Winter	2	podrat/Pack	6
24	Crest	1/29/01	Winter	3	Bobcat	1
24	Crest	1/29/01	Winter	3	Coyote	9
24	Crest	1/29/01	Winter	4	Bobcat	2
24	Crest	1/29/01	Winter	4	Coyote	6
24	Crest	1/29/01	Winter	4	Raccoon	2
24	Crest	3/22/02	Winter	1	Bobcat	2
24	Crest	3/22/02	Winter	1	Coyote	8
24	Crest	3/22/02	Winter	1	Gray Fox	2
24	Crest	3/22/02	Winter	1	podrat/Pack	7
24	Crest	3/22/02	Winter	2	Bobcat	5
24	Crest	3/22/02	Winter	2	Coyote	17
24	Crest	3/22/02	Winter	2	Gray Fox	4
24	Crest	3/22/02	Winter	3	Bobcat	7

**Appendix B  
San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
24	Crest	3/22/02	Winter	3	Coyote	13
24	Crest	3/22/02	Winter	3	Gray Fox	1
24	Crest	3/22/02	Winter	3	podrat/Pack	3
24	Crest	3/22/02	Winter	4	Bobcat	12
24	Crest	3/22/02	Winter	4	Mountain Lid	1
24	Crest	3/22/02	Winter	4	Coyote	29
24	Crest	3/22/02	Winter	4	Gray Fox	7
24	Crest	3/22/02	Winter	4	Raccoon	3
24	Crest	3/22/02	Winter	5	Bobcat	18
24	Crest	3/22/02	Winter	5	Coyote	11
24	Crest	3/22/02	Winter	5	Gray Fox	8
24	Crest	3/22/02	Winter	5	podrat/Pack	3
24	Crest	5/1/02	Spring	1	Coyote	7
24	Crest	5/1/02	Spring	1	Gray Fox	3
24	Crest	5/1/02	Spring	1	podrat/Pack	6
24	Crest	5/1/02	Spring	2	Bobcat	5
24	Crest	5/1/02	Spring	2	Coyote	27
24	Crest	5/1/02	Spring	2	Gray Fox	2
24	Crest	5/1/02	Spring	3	Bobcat	4
24	Crest	5/1/02	Spring	3	Coyote	21
24	Crest	5/1/02	Spring	3	Gray Fox	1
24	Crest	5/1/02	Spring	3	podrat/Pack	1
24	Crest	5/1/02	Spring	4	Bobcat	21
24	Crest	5/1/02	Spring	4	Mountain Lid	1
24	Crest	5/1/02	Spring	4	Coyote	27
24	Crest	5/1/02	Spring	4	Gray Fox	5
24	Crest	5/1/02	Spring	4	podrat/Pack	1
24	Crest	5/1/02	Spring	5	Bobcat	10
24	Crest	5/1/02	Spring	5	Coyote	24
24	Crest	5/1/02	Spring	5	podrat/Pack	7
24	Crest	12/4/02	Fall	1	Bobcat	1
24	Crest	12/4/02	Fall	1	Coyote	5
24	Crest	12/4/02	Fall	1	podrat/Pack	1
24	Crest	12/4/02	Fall	2	Bobcat	3
24	Crest	12/4/02	Fall	2	Coyote	10
24	Crest	12/4/02	Fall	2	Gray Fox	1
24	Crest	12/4/02	Fall	2	Raccoon	2
24	Crest	12/4/02	Fall	2	podrat/Pack	2
24	Crest	12/4/02	Fall	3	Coyote	8
24	Crest	12/4/02	Fall	4	Coyote	15
24	Crest	12/4/02	Fall	4	Gray Fox	2
24	Crest	12/4/02	Fall	4	Raccoon	5
24	Crest	12/4/02	Fall	4	podrat/Pack	2
24	Crest	12/4/02	Fall	5	Bobcat	13
24	Crest	12/4/02	Fall	5	Coyote	19
24	Crest	12/4/02	Fall	5	Raccoon	4
24	Crest	12/4/02	Fall	5	podrat/Pack	5
48	Crest North	6/17/02	Spring	1	Bobcat	2
48	Crest North	6/17/02	Spring	1	Coyote	10
48	Crest North	6/17/02	Spring	2	Coyote	10
48	Crest North	6/17/02	Spring	2	Gray Fox	1
48	Crest North	6/17/02	Spring	2	podrat/Pack	5
48	Crest North	6/17/02	Spring	3	Bobcat	11
48	Crest North	6/17/02	Spring	3	Coyote	10
48	Crest North	6/17/02	Spring	3	Gray Fox	4
48	Crest North	6/17/02	Spring	4	Bobcat	17
48	Crest North	6/17/02	Spring	4	Coyote	9
48	Crest North	8/5/02	Summer	1	Bobcat	7
48	Crest North	8/5/02	Summer	1	Mountain Lid	1
48	Crest North	8/5/02	Summer	1	Coyote	16
48	Crest North	8/5/02	Summer	1	Gray Fox	1
48	Crest North	8/5/02	Summer	1	Raccoon	6
48	Crest North	8/5/02	Summer	1	podrat/Pack	12
48	Crest North	8/5/02	Summer	2	Bobcat	3
48	Crest North	8/5/02	Summer	2	Coyote	9
48	Crest North	8/5/02	Summer	2	podrat/Pack	2
48	Crest North	8/5/02	Summer	3	Bobcat	20
48	Crest North	8/5/02	Summer	3	Mountain Lid	1
48	Crest North	8/5/02	Summer	3	Coyote	17

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
48	Crest North	8/5/02	Summer	3	Gray Fox	5
48	Crest North	8/5/02	Summer	3	Raccoon	5
48	Crest North	8/5/02	Summer	3	podrat/Pack	3
48	Crest North	8/5/02	Summer	4	Bobcat	3
48	Crest North	8/5/02	Summer	5	Bobcat	6
48	Crest North	8/5/02	Summer	5	Coyote	7
48	Crest North	8/5/02	Summer	5	Gray Fox	2
48	Crest North	8/5/02	Summer	5	Raccoon	2
48	Crest North	8/5/02	Summer	6	Bobcat	5
48	Crest North	8/5/02	Summer	6	Coyote	8
48	Crest North	8/5/02	Summer	6	Raccoon	2
48	Crest North	12/8/02	Fall	1	Bobcat	8
48	Crest North	12/8/02	Fall	1	mountain Lid	2
48	Crest North	12/8/02	Fall	1	Coyote	15
48	Crest North	12/8/02	Fall	1	Gray Fox	3
48	Crest North	12/8/02	Fall	1	Raccoon	8
48	Crest North	12/8/02	Fall	1	podrat/Pack	14
48	Crest North	12/8/02	Fall	2	Bobcat	30
48	Crest North	12/8/02	Fall	2	mountain Lid	2
48	Crest North	12/8/02	Fall	2	Coyote	16
48	Crest North	12/8/02	Fall	3	Bobcat	6
48	Crest North	12/8/02	Fall	3	Coyote	6
48	Crest North	12/8/02	Fall	3	Gray Fox	3
48	Crest North	12/8/02	Fall	5	Bobcat	15
48	Crest North	12/8/02	Fall	5	Coyote	10
48	Crest North	12/8/02	Fall	5	Gray Fox	2
48	Crest North	12/8/02	Fall	6	Bobcat	5
48	Crest North	12/8/02	Fall	6	mountain Lid	2
48	Crest North	12/8/02	Fall	6	Coyote	11
48	Crest North	12/8/02	Fall	6	Gray Fox	1
47	Hollenbeck Canyon	5/10/02	Spring	1	Bobcat	1
47	Hollenbeck Canyon	5/10/02	Spring	1	Opossum	1
47	Hollenbeck Canyon	5/10/02	Spring	1	Raccoon	2
47	Hollenbeck Canyon	5/10/02	Spring	2	Tailed Jack	1
47	Hollenbeck Canyon	5/10/02	Spring	2	Bobcat	6
47	Hollenbeck Canyon	5/10/02	Spring	2	Coyote	12
47	Hollenbeck Canyon	5/10/02	Spring	2	Gray Fox	1
47	Hollenbeck Canyon	5/10/02	Spring	3	Bobcat	2
47	Hollenbeck Canyon	5/10/02	Spring	3	Coyote	7
47	Hollenbeck Canyon	5/10/02	Spring	3	Mule Deer	2
47	Hollenbeck Canyon	5/10/02	Spring	4	Coyote	6
47	Hollenbeck Canyon	5/10/02	Spring	4	Mule Deer	10
47	Hollenbeck Canyon	5/10/02	Spring	4	podrat/Pack	9
47	Hollenbeck Canyon	5/10/02	Spring	5	Tailed Jack	2
47	Hollenbeck Canyon	5/10/02	Spring	5	Bobcat	4
47	Hollenbeck Canyon	5/10/02	Spring	5	Coyote	4
47	Hollenbeck Canyon	5/10/02	Spring	5	Gray Fox	1
47	Hollenbeck Canyon	5/10/02	Spring	5	Mule Deer	1
47	Hollenbeck Canyon	5/10/02	Spring	5	podrat/Pack	5
47	Hollenbeck Canyon	5/10/02	Spring	6	Bobcat	3
47	Hollenbeck Canyon	5/10/02	Spring	6	Gray Fox	2
47	Hollenbeck Canyon	5/10/02	Spring	7	Bobcat	4
47	Hollenbeck Canyon	5/10/02	Spring	7	Coyote	6
47	Hollenbeck Canyon	5/10/02	Spring	8	Bobcat	20
47	Hollenbeck Canyon	5/10/02	Spring	8	Coyote	12
47	Hollenbeck Canyon	5/10/02	Spring	8	Gray Fox	4
47	Hollenbeck Canyon	5/10/02	Spring	8	Mule Deer	1
47	Hollenbeck Canyon	5/10/02	Spring	9	Bobcat	7
47	Hollenbeck Canyon	5/10/02	Spring	9	mountain Lid	3
47	Hollenbeck Canyon	5/10/02	Spring	9	Coyote	16
47	Hollenbeck Canyon	5/10/02	Spring	9	Gray Fox	2
47	Hollenbeck Canyon	5/10/02	Spring	9	Mule Deer	1
47	Hollenbeck Canyon	5/10/02	Spring	10	Bobcat	10
47	Hollenbeck Canyon	5/10/02	Spring	10	mountain Lid	3
47	Hollenbeck Canyon	5/10/02	Spring	10	Coyote	14
47	Hollenbeck Canyon	5/10/02	Spring	10	Mule Deer	1
47	Hollenbeck Canyon	5/10/02	Spring	11	Bobcat	1
47	Hollenbeck Canyon	5/10/02	Spring	11	Coyote	2
47	Hollenbeck Canyon	5/10/02	Spring	11	Gray Fox	3

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
47	Hollenbeck Canyon	5/10/02	Spring	11	Mule Deer	2
47	Hollenbeck Canyon	7/22/02	Summer	1	Gray Fox	1
47	Hollenbeck Canyon	7/22/02	Summer	1	Ring Tailed W	1
47	Hollenbeck Canyon	7/22/02	Summer	1	Opossum	2
47	Hollenbeck Canyon	7/22/02	Summer	1	Raccoon	1
47	Hollenbeck Canyon	7/22/02	Summer	2	Bobcat	8
47	Hollenbeck Canyon	7/22/02	Summer	2	Coyote	9
47	Hollenbeck Canyon	7/22/02	Summer	3	Bobcat	12
47	Hollenbeck Canyon	7/22/02	Summer	3	Coyote	9
47	Hollenbeck Canyon	7/22/02	Summer	3	Gray Fox	2
47	Hollenbeck Canyon	7/22/02	Summer	3	Mule Deer	5
47	Hollenbeck Canyon	7/22/02	Summer	3	Raccoon	3
47	Hollenbeck Canyon	7/22/02	Summer	4	Bobcat	3
47	Hollenbeck Canyon	7/22/02	Summer	4	Coyote	2
47	Hollenbeck Canyon	7/22/02	Summer	4	Mule Deer	2
47	Hollenbeck Canyon	7/22/02	Summer	5	Bobcat	1
47	Hollenbeck Canyon	7/22/02	Summer	5	Gray Fox	3
47	Hollenbeck Canyon	7/22/02	Summer	5	Mule Deer	14
47	Hollenbeck Canyon	7/22/02	Summer	5	podrat/Pack	3
47	Hollenbeck Canyon	7/22/02	Summer	6	Bobcat	5
47	Hollenbeck Canyon	7/22/02	Summer	6	Coyote	12
47	Hollenbeck Canyon	7/22/02	Summer	8	Bobcat	14
47	Hollenbeck Canyon	7/22/02	Summer	8	Coyote	9
47	Hollenbeck Canyon	7/22/02	Summer	8	Gray Fox	1
47	Hollenbeck Canyon	7/22/02	Summer	8	Opossum	1
47	Hollenbeck Canyon	7/22/02	Summer	8	Raccoon	2
47	Hollenbeck Canyon	7/22/02	Summer	9	Bobcat	8
47	Hollenbeck Canyon	7/22/02	Summer	9	Coyote	11
47	Hollenbeck Canyon	7/22/02	Summer	9	Gray Fox	1
47	Hollenbeck Canyon	7/22/02	Summer	9	Raccoon	3
47	Hollenbeck Canyon	7/22/02	Summer	10	Bobcat	13
47	Hollenbeck Canyon	7/22/02	Summer	10	Mountain Lid	4
47	Hollenbeck Canyon	7/22/02	Summer	10	Coyote	24
47	Hollenbeck Canyon	7/22/02	Summer	10	Raccoon	3
47	Hollenbeck Canyon	7/22/02	Summer	11	Bobcat	10
47	Hollenbeck Canyon	7/22/02	Summer	11	Mountain Lid	1
47	Hollenbeck Canyon	7/22/02	Summer	11	Coyote	9
47	Hollenbeck Canyon	7/22/02	Summer	11	Raccoon	2
47	Hollenbeck Canyon	12/2/02	Fall	1	Raccoon	3
47	Hollenbeck Canyon	12/2/02	Fall	2	Bobcat	1
47	Hollenbeck Canyon	12/2/02	Fall	2	Mountain Lid	1
47	Hollenbeck Canyon	12/2/02	Fall	2	Coyote	7
47	Hollenbeck Canyon	12/2/02	Fall	2	Mule Deer	4
47	Hollenbeck Canyon	12/2/02	Fall	3	Bobcat	3
47	Hollenbeck Canyon	12/2/02	Fall	3	Coyote	6
47	Hollenbeck Canyon	12/2/02	Fall	3	Mule Deer	6
47	Hollenbeck Canyon	12/2/02	Fall	3	Raccoon	1
47	Hollenbeck Canyon	12/2/02	Fall	4	Bobcat	1
47	Hollenbeck Canyon	12/2/02	Fall	4	Coyote	1
47	Hollenbeck Canyon	12/2/02	Fall	4	Mule Deer	3
47	Hollenbeck Canyon	12/2/02	Fall	4	Raccoon	2
47	Hollenbeck Canyon	12/2/02	Fall	4	podrat/Pack	5
47	Hollenbeck Canyon	12/2/02	Fall	5	Bobcat	3
47	Hollenbeck Canyon	12/2/02	Fall	5	Coyote	4
47	Hollenbeck Canyon	12/2/02	Fall	5	Gray Fox	5
47	Hollenbeck Canyon	12/2/02	Fall	5	Mule Deer	7
47	Hollenbeck Canyon	12/2/02	Fall	5	Raccoon	1
47	Hollenbeck Canyon	12/2/02	Fall	5	podrat/Pack	8
47	Hollenbeck Canyon	12/2/02	Fall	6	Bobcat	2
47	Hollenbeck Canyon	12/2/02	Fall	6	Gray Fox	2
47	Hollenbeck Canyon	12/2/02	Fall	7	Bobcat	2
47	Hollenbeck Canyon	12/2/02	Fall	7	Coyote	5
47	Hollenbeck Canyon	12/2/02	Fall	8	Bobcat	1
47	Hollenbeck Canyon	12/2/02	Fall	8	Coyote	6
47	Hollenbeck Canyon	12/2/02	Fall	8	Mule Deer	1
47	Hollenbeck Canyon	12/2/02	Fall	8	Roadrunner	1
47	Hollenbeck Canyon	12/2/02	Fall	9	Bobcat	1
47	Hollenbeck Canyon	12/2/02	Fall	9	Coyote	4
47	Hollenbeck Canyon	12/2/02	Fall	9	Mule Deer	3

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID#	Transect Name	Date	Season	Section	Species	Count
47	Hollenbeck Canyon	12/2/02	Fall	10	Bobcat	3
47	Hollenbeck Canyon	12/2/02	Fall	10	Mountain Lion	2
47	Hollenbeck Canyon	12/2/02	Fall	10	Coyote	16
47	Hollenbeck Canyon	12/2/02	Fall	10	Gray Fox	1
47	Hollenbeck Canyon	12/2/02	Fall	10	Opossum	1
47	Hollenbeck Canyon	12/2/02	Fall	11	Bobcat	2
47	Hollenbeck Canyon	12/2/02	Fall	11	Coyote	5
47	Hollenbeck Canyon	12/2/02	Fall	11	Mule Deer	1
43	Spring Canyon (Otay)	12/14/01	Fall	1	Bobcat	1
43	Spring Canyon (Otay)	12/14/01	Fall	1	Coyote	2
43	Spring Canyon (Otay)	12/14/01	Fall	2	Bobcat	3
43	Spring Canyon (Otay)	12/14/01	Fall	2	Coyote	7
43	Spring Canyon (Otay)	12/14/01	Fall	2	Opossum	1
43	Spring Canyon (Otay)	12/14/01	Fall	2	podrat/Pack	5
43	Spring Canyon (Otay)	12/14/01	Fall	3	Bobcat	4
43	Spring Canyon (Otay)	12/14/01	Fall	3	Coyote	2
43	Spring Canyon (Otay)	12/14/01	Fall	3	Gray Fox	1
43	Spring Canyon (Otay)	12/14/01	Fall	3	podrat/Pack	7
43	Spring Canyon (Otay)	12/14/01	Fall	4	Tailed Jack	1
43	Spring Canyon (Otay)	12/14/01	Fall	4	Bobcat	10
43	Spring Canyon (Otay)	12/14/01	Fall	4	Coyote	3
43	Spring Canyon (Otay)	12/14/01	Fall	4	Gray Fox	1
43	Spring Canyon (Otay)	12/14/01	Fall	4	Opossum	1
43	Spring Canyon (Otay)	12/14/01	Fall	4	podrat/Pack	7
43	Spring Canyon (Otay)	2/27/02	Winter	1	Tailed Jack	1
43	Spring Canyon (Otay)	2/27/02	Winter	1	Coyote	1
43	Spring Canyon (Otay)	2/27/02	Winter	1	podrat/Pack	2
43	Spring Canyon (Otay)	2/27/02	Winter	2	Bobcat	1
43	Spring Canyon (Otay)	2/27/02	Winter	2	Coyote	6
43	Spring Canyon (Otay)	2/27/02	Winter	2	podrat/Pack	6
43	Spring Canyon (Otay)	2/27/02	Winter	3	Tailed Jack	1
43	Spring Canyon (Otay)	2/27/02	Winter	3	Bobcat	2
43	Spring Canyon (Otay)	2/27/02	Winter	3	Coyote	4
43	Spring Canyon (Otay)	2/27/02	Winter	3	Opossum	3
43	Spring Canyon (Otay)	2/27/02	Winter	3	podrat/Pack	3
43	Spring Canyon (Otay)	2/27/02	Winter	4	Tailed Jack	1
43	Spring Canyon (Otay)	2/27/02	Winter	4	Bobcat	5
43	Spring Canyon (Otay)	2/27/02	Winter	4	Coyote	4
43	Spring Canyon (Otay)	2/27/02	Winter	4	Opossum	1
43	Spring Canyon (Otay)	2/27/02	Winter	4	podrat/Pack	6
43	Spring Canyon (Otay)	5/23/02	Spring	1	Bobcat	1
43	Spring Canyon (Otay)	5/23/02	Spring	2	Bobcat	5
43	Spring Canyon (Otay)	5/23/02	Spring	2	podrat/Pack	12
43	Spring Canyon (Otay)	5/23/02	Spring	3	Bobcat	6
43	Spring Canyon (Otay)	5/23/02	Spring	3	Mountain Lion	1
43	Spring Canyon (Otay)	5/23/02	Spring	3	Coyote	6
43	Spring Canyon (Otay)	5/23/02	Spring	3	Opossum	1
43	Spring Canyon (Otay)	5/23/02	Spring	3	podrat/Pack	4
43	Spring Canyon (Otay)	5/23/02	Spring	4	Bobcat	9
43	Spring Canyon (Otay)	5/23/02	Spring	4	podrat/Pack	2
43	Spring Canyon (Otay)	7/9/02	Summer	1	Bobcat	1
43	Spring Canyon (Otay)	7/9/02	Summer	1	Roadrunner	3
43	Spring Canyon (Otay)	7/9/02	Summer	1	podrat/Pack	1
43	Spring Canyon (Otay)	7/9/02	Summer	2	Bobcat	1
43	Spring Canyon (Otay)	7/9/02	Summer	2	Coyote	1
43	Spring Canyon (Otay)	7/9/02	Summer	2	Opossum	1
43	Spring Canyon (Otay)	7/9/02	Summer	2	Roadrunner	2
43	Spring Canyon (Otay)	7/9/02	Summer	2	podrat/Pack	3
43	Spring Canyon (Otay)	7/9/02	Summer	3	Bobcat	5
43	Spring Canyon (Otay)	7/9/02	Summer	3	Coyote	5
43	Spring Canyon (Otay)	7/9/02	Summer	3	Opossum	1
43	Spring Canyon (Otay)	7/9/02	Summer	3	Roadrunner	1
43	Spring Canyon (Otay)	7/9/02	Summer	3	podrat/Pack	10
43	Spring Canyon (Otay)	7/9/02	Summer	4	Bobcat	6
43	Spring Canyon (Otay)	7/9/02	Summer	4	Coyote	2
43	Spring Canyon (Otay)	7/9/02	Summer	4	Roadrunner	2
43	Spring Canyon (Otay)	7/9/02	Summer	4	podrat/Pack	10
43	Spring Canyon (Otay)	11/19/02	Fall	1	Coyote	2
43	Spring Canyon (Otay)	11/19/02	Fall	1	podrat/Pack	2



**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID#	Transect Name	Date	Season	Section	Species	Count
43	Spring Canyon (Otay)	11/19/02	Fall	2	Bobcat	3
43	Spring Canyon (Otay)	11/19/02	Fall	2	Coyote	3
43	Spring Canyon (Otay)	11/19/02	Fall	2	podrat/Pack	3
43	Spring Canyon (Otay)	11/19/02	Fall	3	Bobcat	2
43	Spring Canyon (Otay)	11/19/02	Fall	3	Coyote	6
43	Spring Canyon (Otay)	11/19/02	Fall	3	Opossum	1
43	Spring Canyon (Otay)	11/19/02	Fall	3	podrat/Pack	10
43	Spring Canyon (Otay)	11/19/02	Fall	4	Bobcat	3
43	Spring Canyon (Otay)	11/19/02	Fall	4	Coyote	1
43	Spring Canyon (Otay)	11/19/02	Fall	4	podrat/Pack	3
33	Sycamore Canyon Open Space Board	2/4/00	Winter	1	Coyote	3
33	Sycamore Canyon Open Space Board	2/4/00	Winter	1	Mule Deer	2
33	Sycamore Canyon Open Space Board	2/4/00	Winter	1	podrat/Pack	1
33	Sycamore Canyon Open Space Board	2/4/00	Winter	2	Bobcat	1
33	Sycamore Canyon Open Space Board	2/4/00	Winter	2	Coyote	3
33	Sycamore Canyon Open Space Board	2/4/00	Winter	2	Gray Fox	1
33	Sycamore Canyon Open Space Board	2/4/00	Winter	2	Mule Deer	1
33	Sycamore Canyon Open Space Board	2/4/00	Winter	2	podrat/Pack	3
33	Sycamore Canyon Open Space Board	2/4/00	Winter	3	Bobcat	2
33	Sycamore Canyon Open Space Board	2/4/00	Winter	3	Coyote	2
33	Sycamore Canyon Open Space Board	2/4/00	Winter	3	Mule Deer	1
33	Sycamore Canyon Open Space Board	2/4/00	Winter	3	podrat/Pack	6
33	Sycamore Canyon Open Space Board	2/4/00	Winter	4	Coyote	5
33	Sycamore Canyon Open Space Board	2/4/00	Winter	4	Mule Deer	5
33	Sycamore Canyon Open Space Board	2/4/00	Winter	4	podrat/Pack	2
33	Sycamore Canyon Open Space Board	2/4/00	Winter	5	Bobcat	6
33	Sycamore Canyon Open Space Board	2/4/00	Winter	5	Coyote	6
33	Sycamore Canyon Open Space Board	2/4/00	Winter	5	Mule Deer	1
33	Sycamore Canyon Open Space Board	2/4/00	Winter	6	Bobcat	2
33	Sycamore Canyon Open Space Board	2/4/00	Winter	6	Mountain Lion	2
33	Sycamore Canyon Open Space Board	2/4/00	Winter	6	Coyote	3
33	Sycamore Canyon Open Space Board	2/4/00	Winter	6	podrat/Pack	1
33	Sycamore Canyon Open Space Board	2/4/00	Winter	7	Coyote	4
33	Sycamore Canyon Open Space Board	2/4/00	Winter	7	podrat/Pack	1
33	Sycamore Canyon Open Space Board	5/12/00	Spring	1	Coyote	4
33	Sycamore Canyon Open Space Board	5/12/00	Spring	1	Mule Deer	9
33	Sycamore Canyon Open Space Board	5/12/00	Spring	2	Coyote	3
33	Sycamore Canyon Open Space Board	5/12/00	Spring	2	Gray Fox	2
33	Sycamore Canyon Open Space Board	5/12/00	Spring	2	Mule Deer	11
33	Sycamore Canyon Open Space Board	5/12/00	Spring	3	Bobcat	2
33	Sycamore Canyon Open Space Board	5/12/00	Spring	3	Coyote	9
33	Sycamore Canyon Open Space Board	5/12/00	Spring	3	Mule Deer	10
33	Sycamore Canyon Open Space Board	5/12/00	Spring	3	Raccoon	1
33	Sycamore Canyon Open Space Board	5/12/00	Spring	3	podrat/Pack	1
33	Sycamore Canyon Open Space Board	5/12/00	Spring	4	Bobcat	1
33	Sycamore Canyon Open Space Board	5/12/00	Spring	4	Coyote	14
33	Sycamore Canyon Open Space Board	5/12/00	Spring	4	Mule Deer	1
33	Sycamore Canyon Open Space Board	5/12/00	Spring	4	Raccoon	1
33	Sycamore Canyon Open Space Board	5/12/00	Spring	4	podrat/Pack	2
33	Sycamore Canyon Open Space Board	5/12/00	Spring	5	Bobcat	3
33	Sycamore Canyon Open Space Board	5/12/00	Spring	5	Coyote	4
33	Sycamore Canyon Open Space Board	5/12/00	Spring	5	Mule Deer	3
33	Sycamore Canyon Open Space Board	5/12/00	Spring	5	podrat/Pack	3
33	Sycamore Canyon Open Space Board	5/12/00	Spring	6	Coyote	1
33	Sycamore Canyon Open Space Board	5/12/00	Spring	6	Mule Deer	2
33	Sycamore Canyon Open Space Board	5/12/00	Spring	6	Raccoon	2
33	Sycamore Canyon Open Space Board	5/12/00	Spring	6	podrat/Pack	1
33	Sycamore Canyon Open Space Board	5/12/00	Spring	7	Bobcat	1
33	Sycamore Canyon Open Space Board	5/12/00	Spring	7	Coyote	5
33	Sycamore Canyon Open Space Board	5/12/00	Spring	7	podrat/Pack	3
33	Sycamore Canyon Open Space Board	7/28/00	Summer	1	Bobcat	1
33	Sycamore Canyon Open Space Board	7/28/00	Summer	1	Coyote	5
33	Sycamore Canyon Open Space Board	7/28/00	Summer	1	Gray Fox	1
33	Sycamore Canyon Open Space Board	7/28/00	Summer	1	Ring Tailed W	1
33	Sycamore Canyon Open Space Board	7/28/00	Summer	1	Mule Deer	8
33	Sycamore Canyon Open Space Board	7/28/00	Summer	1	podrat/Pack	4
33	Sycamore Canyon Open Space Board	7/28/00	Summer	2	Coyote	5
33	Sycamore Canyon Open Space Board	7/28/00	Summer	2	Mule Deer	8
33	Sycamore Canyon Open Space Board	7/28/00	Summer	2	podrat/Pack	1

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID#	Transect Name	Date	Season	Section	Species	Count
33	Sycamore Canyon Open Space Board	7/28/00	Summer	3	Coyote	8
33	Sycamore Canyon Open Space Board	7/28/00	Summer	3	Mule Deer	7
33	Sycamore Canyon Open Space Board	7/28/00	Summer	3	podrat/Pack	3
33	Sycamore Canyon Open Space Board	7/28/00	Summer	4	Bobcat	1
33	Sycamore Canyon Open Space Board	7/28/00	Summer	4	Coyote	12
33	Sycamore Canyon Open Space Board	7/28/00	Summer	4	Gray Fox	1
33	Sycamore Canyon Open Space Board	7/28/00	Summer	4	g Tailed W	1
33	Sycamore Canyon Open Space Board	7/28/00	Summer	4	Mule Deer	6
33	Sycamore Canyon Open Space Board	7/28/00	Summer	5	Bobcat	1
33	Sycamore Canyon Open Space Board	7/28/00	Summer	5	Coyote	13
33	Sycamore Canyon Open Space Board	7/28/00	Summer	5	Mule Deer	8
33	Sycamore Canyon Open Space Board	7/28/00	Summer	5	podrat/Pack	2
33	Sycamore Canyon Open Space Board	7/28/00	Summer	6	Coyote	1
33	Sycamore Canyon Open Space Board	7/28/00	Summer	6	g Tailed W	1
33	Sycamore Canyon Open Space Board	7/28/00	Summer	6	Mule Deer	3
33	Sycamore Canyon Open Space Board	7/28/00	Summer	7	Coyote	4
33	Sycamore Canyon Open Space Board	7/28/00	Summer	7	Mule Deer	2
33	Sycamore Canyon Open Space Board	7/28/00	Summer	7	Raccoon	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	1	Bobcat	2
33	Sycamore Canyon Open Space Board	10/27/00	Fall	1	Mule Deer	3
33	Sycamore Canyon Open Space Board	10/27/00	Fall	2	Mule Deer	2
33	Sycamore Canyon Open Space Board	10/27/00	Fall	3	Bobcat	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	3	Coyote	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	3	Gray Fox	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	3	Mule Deer	7
33	Sycamore Canyon Open Space Board	10/27/00	Fall	3	Raccoon	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	3	podrat/Pack	3
33	Sycamore Canyon Open Space Board	10/27/00	Fall	4	Coyote	3
33	Sycamore Canyon Open Space Board	10/27/00	Fall	4	Mule Deer	11
33	Sycamore Canyon Open Space Board	10/27/00	Fall	5	Bobcat	6
33	Sycamore Canyon Open Space Board	10/27/00	Fall	5	Coyote	8
33	Sycamore Canyon Open Space Board	10/27/00	Fall	5	Gray Fox	5
33	Sycamore Canyon Open Space Board	10/27/00	Fall	5	Mule Deer	4
33	Sycamore Canyon Open Space Board	10/27/00	Fall	5	Raccoon	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	5	podrat/Pack	2
33	Sycamore Canyon Open Space Board	10/27/00	Fall	6	ountain Lid	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	6	Coyote	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	6	Mule Deer	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	7	Bobcat	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	7	Coyote	2
33	Sycamore Canyon Open Space Board	10/27/00	Fall	7	Gray Fox	1
33	Sycamore Canyon Open Space Board	10/27/00	Fall	7	Raccoon	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	1	Raccoon	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	1	podrat/Pack	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	2	Coyote	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	2	Gray Fox	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	2	Mule Deer	7
33	Sycamore Canyon Open Space Board	2/2/01	Winter	2	Raccoon	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	3	Coyote	2
33	Sycamore Canyon Open Space Board	2/2/01	Winter	3	Gray Fox	2
33	Sycamore Canyon Open Space Board	2/2/01	Winter	3	Mule Deer	2
33	Sycamore Canyon Open Space Board	2/2/01	Winter	3	Unknown	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	3	podrat/Pack	4
33	Sycamore Canyon Open Space Board	2/2/01	Winter	4	Coyote	3
33	Sycamore Canyon Open Space Board	2/2/01	Winter	4	Mule Deer	4
33	Sycamore Canyon Open Space Board	2/2/01	Winter	4	Roadrunner	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	4	podrat/Pack	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	5	Coyote	3
33	Sycamore Canyon Open Space Board	2/2/01	Winter	5	Gray Fox	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	5	podrat/Pack	2
33	Sycamore Canyon Open Space Board	2/2/01	Winter	6	Coyote	3
33	Sycamore Canyon Open Space Board	2/2/01	Winter	7	Coyote	3
33	Sycamore Canyon Open Space Board	2/2/01	Winter	7	Gray Fox	1
33	Sycamore Canyon Open Space Board	2/2/01	Winter	7	Mule Deer	3
33	Sycamore Canyon Open Space Board	5/4/01	Spring	1	Coyote	3
33	Sycamore Canyon Open Space Board	5/4/01	Spring	1	Mule Deer	1
33	Sycamore Canyon Open Space Board	5/4/01	Spring	1	Opossum	1
33	Sycamore Canyon Open Space Board	5/4/01	Spring	2	Coyote	3
33	Sycamore Canyon Open Space Board	5/4/01	Spring	2	Mule Deer	2

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID#	Transect Name	Date	Season	Section	Species	Count
33	Sycamore Canyon Open Space Board	5/4/01	Spring	3	Coyote	7
33	Sycamore Canyon Open Space Board	5/4/01	Spring	3	Gray Fox	2
33	Sycamore Canyon Open Space Board	5/4/01	Spring	3	Mule Deer	4
33	Sycamore Canyon Open Space Board	5/4/01	Spring	3	Raccoon	3
33	Sycamore Canyon Open Space Board	5/4/01	Spring	3	podrat/Pack	7
33	Sycamore Canyon Open Space Board	5/4/01	Spring	4	Coyote	6
33	Sycamore Canyon Open Space Board	5/4/01	Spring	4	Mule Deer	1
33	Sycamore Canyon Open Space Board	5/4/01	Spring	4	Raccoon	1
33	Sycamore Canyon Open Space Board	5/4/01	Spring	4	podrat/Pack	6
33	Sycamore Canyon Open Space Board	5/4/01	Spring	5	Coyote	3
33	Sycamore Canyon Open Space Board	5/4/01	Spring	5	Mule Deer	3
33	Sycamore Canyon Open Space Board	5/4/01	Spring	5	podrat/Pack	5
33	Sycamore Canyon Open Space Board	5/4/01	Spring	6	Coyote	1
33	Sycamore Canyon Open Space Board	5/4/01	Spring	6	podrat/Pack	3
33	Sycamore Canyon Open Space Board	5/4/01	Spring	7	Coyote	1
33	Sycamore Canyon Open Space Board	5/4/01	Spring	7	podrat/Pack	1
33	Sycamore Canyon Open Space Board	7/28/01	Summer	1	Mule Deer	4
33	Sycamore Canyon Open Space Board	7/28/01	Summer	1	podrat/Pack	1
33	Sycamore Canyon Open Space Board	7/28/01	Summer	2	Coyote	1
33	Sycamore Canyon Open Space Board	7/28/01	Summer	2	Mule Deer	3
33	Sycamore Canyon Open Space Board	7/28/01	Summer	3	Coyote	4
33	Sycamore Canyon Open Space Board	7/28/01	Summer	3	Mule Deer	10
33	Sycamore Canyon Open Space Board	7/28/01	Summer	3	podrat/Pack	3
33	Sycamore Canyon Open Space Board	7/28/01	Summer	4	Bobcat	1
33	Sycamore Canyon Open Space Board	7/28/01	Summer	4	Coyote	3
33	Sycamore Canyon Open Space Board	7/28/01	Summer	4	Mule Deer	6
33	Sycamore Canyon Open Space Board	7/28/01	Summer	5	Bobcat	2
33	Sycamore Canyon Open Space Board	7/28/01	Summer	5	Coyote	5
33	Sycamore Canyon Open Space Board	7/28/01	Summer	5	Mule Deer	2
33	Sycamore Canyon Open Space Board	7/28/01	Summer	5	Raccoon	1
33	Sycamore Canyon Open Space Board	7/28/01	Summer	5	podrat/Pack	1
33	Sycamore Canyon Open Space Board	7/28/01	Summer	6	Bobcat	1
33	Sycamore Canyon Open Space Board	7/28/01	Summer	6	Coyote	1
33	Sycamore Canyon Open Space Board	7/28/01	Summer	6	podrat/Pack	1
33	Sycamore Canyon Open Space Board	7/28/01	Summer	7	Mule Deer	4
33	Sycamore Canyon Open Space Board	7/28/01	Summer	7	Raccoon	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	1	Coyote	2
33	Sycamore Canyon Open Space Board	11/9/01	Fall	1	Gray Fox	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	2	Coyote	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	2	Gray Fox	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	2	Mule Deer	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	3	Coyote	2
33	Sycamore Canyon Open Space Board	11/9/01	Fall	3	Gray Fox	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	3	Long Tailed W	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	3	podrat/Pack	2
33	Sycamore Canyon Open Space Board	11/9/01	Fall	4	Coyote	4
33	Sycamore Canyon Open Space Board	11/9/01	Fall	4	Mule Deer	4
33	Sycamore Canyon Open Space Board	11/9/01	Fall	4	podrat/Pack	4
33	Sycamore Canyon Open Space Board	11/9/01	Fall	5	Bobcat	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	5	Coyote	3
33	Sycamore Canyon Open Space Board	11/9/01	Fall	5	Mule Deer	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	6	Coyote	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	6	Mule Deer	1
33	Sycamore Canyon Open Space Board	11/9/01	Fall	7	Coyote	7
33	Sycamore Canyon Open Space Board	11/9/01	Fall	7	Mule Deer	1
33	Sycamore Canyon Open Space Board	1/25/02	Winter	1	Bobcat	3
33	Sycamore Canyon Open Space Board	1/25/02	Winter	2	Coyote	5
33	Sycamore Canyon Open Space Board	1/25/02	Winter	2	Gray Fox	2
33	Sycamore Canyon Open Space Board	1/25/02	Winter	3	Bobcat	2
33	Sycamore Canyon Open Space Board	1/25/02	Winter	3	Coyote	1
33	Sycamore Canyon Open Space Board	1/25/02	Winter	3	Mule Deer	1
33	Sycamore Canyon Open Space Board	1/25/02	Winter	3	Raccoon	1
33	Sycamore Canyon Open Space Board	1/25/02	Winter	3	podrat/Pack	2
33	Sycamore Canyon Open Space Board	1/25/02	Winter	4	Bobcat	1
33	Sycamore Canyon Open Space Board	1/25/02	Winter	4	Coyote	2
33	Sycamore Canyon Open Space Board	1/25/02	Winter	4	Mule Deer	2
33	Sycamore Canyon Open Space Board	1/25/02	Winter	5	podrat/Pack	3
33	Sycamore Canyon Open Space Board	5/17/02	Spring	1	Mule Deer	2
33	Sycamore Canyon Open Space Board	5/17/02	Spring	2	Coyote	2

**Appendix B**  
**San Diego Tracking Team Wildlife Sign Survey Results**

TransID*	Transect Name	Date	Season	Section	Species	Count
33	Sycamore Canyon Open Space Board	5/17/02	Spring	2	Mule Deer	3
33	Sycamore Canyon Open Space Board	5/17/02	Spring	3	Coyote	2
33	Sycamore Canyon Open Space Board	5/17/02	Spring	3	Mule Deer	16
33	Sycamore Canyon Open Space Board	5/17/02	Spring	4	Bobcat	3
33	Sycamore Canyon Open Space Board	5/17/02	Spring	4	Coyote	4
33	Sycamore Canyon Open Space Board	5/17/02	Spring	4	Mule Deer	3
33	Sycamore Canyon Open Space Board	5/17/02	Spring	4	Bobcat/Pack	1
33	Sycamore Canyon Open Space Board	5/17/02	Spring	5	Bobcat	1
33	Sycamore Canyon Open Space Board	5/17/02	Spring	5	Coyote	16
33	Sycamore Canyon Open Space Board	5/17/02	Spring	5	Mule Deer	5
33	Sycamore Canyon Open Space Board	5/17/02	Spring	6	Bobcat	1
33	Sycamore Canyon Open Space Board	5/17/02	Spring	6	Coyote	1
33	Sycamore Canyon Open Space Board	5/17/02	Spring	7	Bobcat	4
33	Sycamore Canyon Open Space Board	5/17/02	Spring	7	Coyote	1
33	Sycamore Canyon Open Space Board	8/9/02	Summer	1	Tailed Jack	1
33	Sycamore Canyon Open Space Board	8/9/02	Summer	1	Coyote	11
33	Sycamore Canyon Open Space Board	8/9/02	Summer	2	Coyote	12
33	Sycamore Canyon Open Space Board	8/9/02	Summer	3	Coyote	12
33	Sycamore Canyon Open Space Board	8/9/02	Summer	3	Raccoon	1
33	Sycamore Canyon Open Space Board	8/9/02	Summer	4	Coyote	14
33	Sycamore Canyon Open Space Board	8/9/02	Summer	4	Gray Fox	1
33	Sycamore Canyon Open Space Board	8/9/02	Summer	4	Mule Deer	2
33	Sycamore Canyon Open Space Board	8/9/02	Summer	5	Bobcat	1
33	Sycamore Canyon Open Space Board	8/9/02	Summer	5	Coyote	10
33	Sycamore Canyon Open Space Board	8/9/02	Summer	5	Mule Deer	2
33	Sycamore Canyon Open Space Board	8/9/02	Summer	5	Raccoon	1
33	Sycamore Canyon Open Space Board	8/9/02	Summer	6	Bobcat	2
33	Sycamore Canyon Open Space Board	8/9/02	Summer	6	Coyote	4
33	Sycamore Canyon Open Space Board	12/13/02	Fall	1	Raccoon	1
33	Sycamore Canyon Open Space Board	12/13/02	Fall	2	Coyote	2
33	Sycamore Canyon Open Space Board	12/13/02	Fall	3	Coyote	1
33	Sycamore Canyon Open Space Board	12/13/02	Fall	4	Coyote	6
33	Sycamore Canyon Open Space Board	12/13/02	Fall	4	Bobcat/Pack	1
33	Sycamore Canyon Open Space Board	12/13/02	Fall	5	Coyote	6
33	Sycamore Canyon Open Space Board	12/13/02	Fall	5	Raccoon	1
33	Sycamore Canyon Open Space Board	12/13/02	Fall	6	Coyote	4

\* SDDT Transect ID number