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November 7, 2006

Mr. Chris Dellith
Fish and Wildlife Biologist
Ventura Fish and Wildlife Office
2493 Portola Road, Suite B
Ventura, California 93003

RE: 30-day Summary Report of Focused Presence/Absence Surveys for the Arroyo Toad (*Anaxyrus* [*Bufo*] *californicus*) for the Golden Valley Road Bridge, Santa Clarita, Los Angeles County, California

Dear Mr. Dellith:

This letter report summarizes the results of focused surveys for the arroyo toad (*Anaxyrus californicus*; ARTO) on behalf of the City of Santa Clarita (City) at the Golden Valley Road Bridge, Santa Clarita, Los Angeles County, California. Surveys were conducted pursuant to the established protocol approved by the U.S. Fish and Wildlife Service (USFWS 1999). The proposed project is located in Santa Clarita, approximately 35 miles northeast of Los Angeles (Figure 1).

Project Description

The City is proposing to construct the Golden Valley Road bridge, a 1,100-foot long bridge over the Santa Clara River. The proposed typical section of the bridge would include a six-lane roadway with a 14-foot median island and pedestrian and bicycle lanes. The total curb-to-curb width would be approximately 90 feet with a total right-of-way width of approximately 120 feet.

The bridge will connect Soledad Canyon Road and the newly extended Newhall Ranch Road. The northern terminus of the proposed project would therefore be the easternmost extent of Newhall Ranch Road, which is currently under construction to the northwest of the project site. Grading for the majority of Newhall Ranch Road is complete and construction is anticipated to be completed between October 2007 and April 2008. The southern terminus of the proposed project would lie at the northernmost extent of the Golden Valley Road/Soledad Canyon Ranch Interchange, which was recently completed and was opened for public access in late 2005.

The proposed Golden Valley Road Bridge Project would result in impacts to biological resources within a 4.48-acre area of effect (Figure 2). Potential impacts to ARTOs were analyzed as part of a Natural Environmental Study Report within a biological study area, characterized by the limits of the proposed project footprint (area of effect) plus a 500-foot survey buffer on each side of the centerline (Figure 2).

Site Description

Surveys were conducted within the 58-acre biological study area, which includes a 500-foot buffer surrounding the footprint of the proposed bridge (Figure 2). The biological study area encompasses a marine terrace on the north side of the Santa Clara River and the river bed where the proposed extension of Newhall Ranch Road will cross the river. The river bed supports an intermittent stream during and immediately after storm events. The study area is surrounded by Riversidian coastal sage scrub and hollyleaf scrub to the north, waters of the U.S. to the east and west, and ruderal and developed areas to the south. The study area itself is largely nonwetland waters of the U.S. (33%), southern riparian scrub (27%), and ruderal (25%), with smaller areas of Riversidian coastal sage scrub (8%), hollyleaf scrub (4%), big sagebrush scrub (2%), and disturbed habitat (2%) (Figure 3).

Background Information

The ARTO was listed by the USFWS on December 16, 1994 (USFWS 1994). This listing status applied to the entire population of ARTO. Critical habitat was proposed by the USFWS on June 8, 2000. A recovery plan for the species has been adopted by the USFWS, which identifies critical habitat and survey protocols (USFWS 1999). ARTOs are distributed in the semiarid parts of the southwest from near Santa Margarita in San Luis Obispo County to northwestern Baja California.

This subspecies of southwestern toad has perhaps the most specialized habitat requirements of any Californian toad. They are typically associated with gravelly or sandy washes, stream and river banks, and arroyos. Adult toads spend most of the year in burrows in upland habitat near washes and streams. Nonbreeding habitat includes sage scrub, mixed chaparral, Joshua tree woodland, and sagebrush habitats.

Breeding activity has been observed from February to June depending on temperatures and precipitation (Sullivan 1992; Sweet 1993). Breeding occurs in quiet, clear backwaters of streams as waters recede from the floods of the wet season. Males call from suitable breeding habitat at night, and the call is a musical trill emitted in 10-second bursts. Eggs are laid on the bottom of the shallow pools, usually in tangled strings of one to three rows. The eggs are sensitive to siltation and require good water quality. Because the eggs are laid in shallow water and are not anchored or attached to the substrate, they are susceptible to rapid changes in stream flow that can strand them dry or wash them downstream. The tadpoles are typically mottled or spotted black and brown and reach a maximum length of about 1.5 inches. Tadpoles are solitary and extremely cryptic. Metamorphosed toadlets bask during the day on sandy or gravelly beaches in the late summer before beginning the subterranean life of the adults. The adults typically spend the majority of the year in burrows, are nocturnal, and are occasionally found at night foraging on open, sandy areas around the drainage. Burrows are shallow and are usually located in sandy soils on terraces adjacent to streams (USFWS 1994).

An estimated 75 percent of the historical habitat of the species has been destroyed and many of the remaining populations are threatened. The primary reasons for the decline of the species include dams and water projects, urban development, agriculture and grazing, and human recreational activities in breeding areas. The closest known USFWS-designated critical habitat for ARTO occurs approximately 0.75 mile to the northwest. There are reports of a breeding population approximately 3 km upstream (Lovich 2006).

Survey Methodology

EDAW presence/absence surveys were performed in accordance with the guidelines set forth by the USFWS Survey Protocol for the Arroyo Toad (USFWS 1999). Presence/absence surveys do not require a permit under section 10(a)(1)(A) of the Endangered Species Act of 1973. Surveys were conducted by EDAW biologists Mason Ryan, Lyndon Quon, Erin Riley and Barbra Calantas. Six nocturnal and diurnal surveys were conducted within previously identified suitable habitat, every 10 days during the months of April, May, June, and July of 2006.

EDAW biologists visually scanned suitable ARTO habitat with headlamps and flashlights and listened for calling males during nocturnal surveys. Adjacent upland trails to and from the appropriate breeding habitat were also surveyed. During the diurnal surveys, the pools and water edges were searched for the presence of egg masses or tadpoles.

Results

Weather conditions, survey dates, and personnel from the focused surveys were recorded and are listed in Table 1. EDAW biologists did not detect the presence of any life stage (adults, tadpoles, eggs) of the ARTO

within the biological study area. A list of all wildlife species observed during the ARTO focused surveys is presented in Appendix A. Copies of recorded field notes are included in Appendix B.

Table 1
Arroyo Toad Protocol Focused Surveys
Dates, Personnel, Weather Conditions, and Observations

Date	Time	Weather Conditions	Field Biologist	ARTO Observations
4/24/2006	2210-2255	Start: 56.6°F, wind 0-2; 30% cover End: 52.2°F, wind 0-2;,0% cover	Erin Riley, Mason Ryan	No ARTO observed
4/25/2006	1015-1030	Start: 62.3°F, wind 0-3, 10% cover End: 62.3°F, wind calm, 10% cover	Erin Riley, Mason Ryan	No ARTO observed
5/04/2006	2230-2300	Start: 57.2°F, wild 0-2, 70% cover End: 57.2°F, wind calm, 70% cover	Erin Riley, Barbra Calantas	No ARTO observed
5/05/2006	0900-0920	Start: 59.1°F, wind 0-4, 15% cover End: 59.9°F, wind calm, 15% cover	Erin Riley, Mason Ryan	No ARTO observed
5/17/2006	2150-2240	Start: 73.1°F, wind 0-3, 70% cover End: 74.1°F, wind 0-30; 60%cover	Erin Riley, Barbra Calantas	No ARTO observed
5/18/2006	0540-0610	Start: 61.9°F, wind 0-2, 100% cover/fog End: 61.9°F, wind calm, 100% cover/fog	Erin Riley, Barbra Calantas	No ARTO observed
5/30/2006	2205-2245	Start: 66.4°F, wind 0-2, 0 % cover End: 65°, wind 0-2, 0% cover	Erin Riley, Mason Ryan	No ARTO observed
5/31/2006	0650-0710	Start: 61.7°F, wind 0-2, 0 % cover End: 68.0, wind 0-2, 0% cover	Erin Riley, Mason Ryan	No ARTO observed
6-6-2006	2200-2245	Start: 73.6°F, wind 1-2, 0 % cover End: 71.2°F, wind 1-2, 0% cover	Barbra Calantas, Lyndon Quon	No ARTO observed
6/7/2006	0640-0710	Start: 66°F, wind calm, 100% cover End: 66°F, wind calm, 100% cover, mist	Barbra Calantas, Lyndon Quon	No ARTO observed
7/5/2006	2215-2315	Start: 62°F, wind 0, 0% cover End: 60°F, wind 0, 0% cover	Lyndon Quon, Oren Mizrahi	No ARTO observed
7/6/2006	0645-0715	Start: 69°F, wind calm, 0% cover End: 82°F, wind calm, 0% cover	Lyndon Quon, Oren Mizrahi	No ARTO observed

Four state species of special concern, the western spadefoot toad (*Spea hammondii*), Cooper's hawk (*Accipiter cooperii*), yellow-breasted chat (*Icteria virens*), and southern California rufous-crowned sparrow (*Aimophila ruficeps canescens*), and one state fully protected species, the white-tailed kite (*Elanus leucurus*), were detected within the project footprint during 2006 surveys (Figure 4; Appendix A). Both adults and tadpoles of the western spadefoot toad were observed onsite.

Discussion

No ARTOs were observed onsite during 2006 focused surveys. This site had marginal ARTO habitat because of the proximity of roads and development; the channelized nature of the stream; lack of clear, slow moving water; and lack of abundant deep, soft sand outcrops in the adjacent uplands. Given these conditions and the known breeding localities upstream of the survey site, the biological study area can be considered marginally suitable for ARTO and currently unoccupied by the species.

If you have any questions or comments regarding this letter report, please contact me at (619) 233-1454. Thank you.

Sincerely,

Erin Riley
Wildlife Biologist

Attachments:
Figure 1 – Regional Location Map
Figure 2 – Biological Study Area
Figure 3 – Vegetation Communities
Figure 4 – Sensitive Species
Appendix A – Wildlife Species Observed during 2006 Focused Arroyo Toad Surveys for the Golden Valley Road Bridge Project
Appendix B – Field Notes

02080053 Golden Valley 30-Day ARTO Rpt Nov 2006

Bibliography

Lovich, R.
2006 Personal communication with Mason Ryan.

Sullivan, B.K.
1992 Calling behavior of the southwestern toad (*Bufo microscaphus*). Herpetologica 48 (4): 383-389.

Sweet, S.S.
1999 Second report on the biology and status of the arroyo toad (*Bufo microscaphus californicus*) on the Los Padres National Forest of southern California. Report to the United States Department of Agriculture, Forest Service, Los Padres National Forest, Goleta, California. ii + 73 pp.

U.S. Fish and Wildlife Service (USFWS)
1994 Endangered and threatened wildlife and plants; determination of endangered status for the arroyo southwestern toad. Federal Register 59 (241): 64859 - 64866.

U.S. Fish and Wildlife Service (USFWS)
1999 Arroyo southwestern toad (*Bufo microscaphus californicus*) recovery plan. U.S. Fish and Wildlife Service, Portland, Oregon. Vi + 119 pp.

APPENDIX A

WILDLIFE SPECIES OBSERVED DURING 2006 FOCUSED ARROYO TOAD SURVEYS

APPENDIX A

Wildlife Species Observed during 2006 Focused Arroyo Toad Surveys for the Golden Valley Road Bridge Project

Scientific Names	Common Names
Amphibians	
Order Anura	**Frogs and Toads**
Family Pelobatidae	
Spea hammondii	western spadefoot toad[1]
Family Bufonidae	
Anaxyrus borea	western toad
Family Hylidae	
Pseudacris regilla	Pacific chorus frog
Reptiles	
Order Squamata	**Lizards and Snakes**
Family Phrysonomatidae	
Cnemidophorus tigris	western whiptail
Family Teiidae	
Sceloporus occidentalis	western fence lizard
Birds	
Order Galliformes	**Megapodes, Curassows, Pheasants, Quail, and Relatives**
Family Odontophoridae	
Callipepla californica	California quail
Order Falconiformes	**Diurnal Birds of Prey**
Family Accipitridae	
Elanus leucurus	white-tailed kite[2]
Accipiter cooperii	Cooper's hawk[1]
Buteo lineatus	red-shouldered hawk
Buteo jamaicensis	red-tailed hawk
Order Charadriiformes	**Shorebirds and Allies**
Family Charadriidae	
Charadrius vociferous	killdeer
Order Columbiformes	**Doves and Pigeons**
Family Columbridae	
Columba livia	rock pigeon
Zenaida macroura	mourning dove
Order Strigiformes	**Owls**
Family Strigidae	
Tyto alba	barn owl
Order Apodiformes	**Swifts and Hummingbirds**
Family Apodidae	
Chaetura vauxi	Vaux's swift
Aeronautes saxatalis	white-throated swift
Family Trochilidae	
Calypte anna	Anna's hummingbird
Calypte costae	Costa's hummingbird
Order Passeriformes	**Perching Birds**
Family Tyrannidae	
Sayornis nigricans	black phoebe
Myiarchus cinerascens	ash-throated flycatcher
Tyrannus verticalis	western kingbird
Family Vireonidae	
Vireo gilvus	warbling vireo

Scientific Names	Common Names
Family Corvidae	
Aphelocoma californica	western scrub jay
Corvus brachyrhynchos	American crow
Corvus corax	common raven
Family Hirundinidae	
Stelgidopteryx serripennis	northern rough-winged swallow
Petrochelidon pyrrhonota	cliff swallow
Family Aegithalidae	
Psaltriparus minimus	bushtit
Family Troglodytidae	
Thryomanes bewickii	Bewick's wren
Troglodytes aedon	house wren
Family Timaliidae	
Chamaea fasciata	wrentit
Family Mimidae	
Mimus polyglottos	northern mockingbird
Family Sturnidae	
Sturnus vulgaris	European starling
Family Parulidae	
Vermivora ruficapill	Nashville warbler
Icteria virens	yellow-breasted chat[1]
Family Thraupidae	
Piranga ludoviciana	western tanager
Family Emberzidae	
Pipilo maculates	spotted towhee
Pipilo crissalis	California towhee
Aimophila ruficeps	southern California rufous-crowned sparrow[1]
Amphispiza belli	sage sparrow
Melospiza melodia	song sparrow
Zonotrichia leucophrys	white-crowned sparrow
Family Cardinalidae	
Carduelis psaltria	black-headed grosbeak
Passerina amoena	lazuli bunting
Family Fringillidae	
Carpodacus mexicanus	house finch
Carduelis psaltria	lesser goldfinch
Carduelis tristis	American goldfinch
Mammals	
Order Carnivora	**Flesh-eaters**
Family Canidae	
Canis latrans	coyote
Order Rodentia	**Gnawing Mammals**
Family Sciuridae	
Citellis beecheyi	California ground squirrel
Family Cricetidae	Mice, Rats, Lemmings, and Voles
Neotoma sp.	unidentified woodrat
Order Lagomorpha	**Rabbits, Hares, and Pikas**
Family Leporidae	
Sylvilagus audubonii	desert cottontail
Sylvilagus bachmani	brush rabbit

1 **California Department of Fish and Game state species of special concern.**

2 **California Department of Fish and Game fully protected species.**

APPENDIX B

FIELD NOTES

FIELD JOURNAL

Job Name Cross Valley / Golden Valley Rd Bridge Job # _____
Observer EMR Add'l Persons MR
Date 04-24-06 Start Time 1010pm End Time _____
Location Santa Clarita River
Habitat Description disturbed, river wash, upland - sage scrub, tamarisk
Purpose of Visit ARTO + CAGN Surveys (#1)
Night Start Weather: Temp 56.6°F Wind Sp/Dir From 0-2mph %Clds 30 Pcp Ø
Describe Surrounding Land Uses and Discuss Wildlife Movement Corridors and Habitat Linkages.

Obs. No.	Time	Notes
		Night Survey
		Pac. Chorus Frogs
		KILL
		West. Toads - eggs (many)
		↳ breeding adults, not calling
		End 1055 52.2°F, Ø clds, 0-2mph
		Day Survey 04.25-06
		Start 1015 - 1030 10% clds, 0-4mph, Ø pcp, gusts to 12mph
		62.3°F
	✓	coyote scat
	✓	ATFL ✓ WAVI
	✓	MODO ✓ LEGO
		CA grnd squirrel ✓ RCSP
	✓	HOFI ✓ cottontail
		[redacted] Cabbage white
	✓	YBCH dragonflies
	✓	west. fence lizard ✓ VATU
	✓	AMCR
	✓	CAQU
	✓	RTHA
	✓	LEGO
	✓	HOWR
	✓	west. whiptail
	✓	BUSH
	✓	BAOW
	✓	NAWA
	✓	WIKI
	✓	WEST
	✓	WTSW
	✓	WETA

Current Weather: Temp _____ Wind Sp/Dir From _____ %Clds _____ Pcp _____

CAGN Survey Start 1045-1145am 4/25/06

Species observed: same as ARTO species on Pg. 1.

tape played: 1050, 1100, 1105, 1120, 1135 } no response

CAGN-suitable habitat species: sage sp.
eriogonum
sambucus
lotus
lupine
mustard
chamise
goldfields
Scrub oaks
prickley pear
popcorn flower
blue dicks
artem. californica

End 11:45

66°F, 0-4mph, 10% clds

FIELD JOURNAL

Job Name Cross Valley / Golden Valley Rd Bridge Job # _____
Observer EMR Add'l Persons MR
Date 05-04-06 Start Time 1030 End Time 1100
Location Santa Clarita River + associated slopes
Habitat Description disturbed, river wash, upland - sage scrub tamarisk
Purpose of Visit ARTO + CAGN Surveys (#2)
Start Weather: Temp 57.2°F Wind Sp/Dir From 0-2mph %Clds 70 Pcp Ø
Describe Surrounding Land Uses and Discuss Wildlife Movement Corridors and Habitat Linkages.

Obs. No.	Time	Notes
		Night Survey - ARTO
		- Western Spadefoot heard calling upon approach
		- Pacific chorus frogs calling
		- Western toad tadpoles (many)
	✓	Killdeer
		CA grnd squirrel
		Day Survey - ARTO 05-05-05
		59.1°F, 0-4mph, 15% clds, Ø pcp 0900-0920
	✓	HOFI
		~~HOSP~~ EUSP House Sparrow
	✓	CA grnd squirrel
	✓	WETA
	✓	west. toad tadpoles
	✓	BLPH
	✓	ATFL
	✓	WEST
	✓	CORA
	✓	LEGO
	✓	BUSH
	✓	COHU
	✓	CLSW
		SASP Sage
		LABU Lazuli
	✓	HOLR
	✓	CAQU
		✓ SPTO
		✓ NOMO
		✓ WCSP
		✓ SOSP
		✓ CALT
		✓ BEWR
		✓ Coyote Scat
		✓ COHA
		✓ RCSP
		✓ MODO
		✓ WREN
		✓ WEKI
		✓ cottontail
		cabbage white

(Night End cont's)

Current Weather: Temp 56.1°F Wind Sp/Dir From 0-2mph %Clds 80 Pcp Ø

CAGN Survey 05-05-06
WMR

Cross Valley

0925 - 1015 End: 71.0°F, 0-2mph, 352 clds

Species obsrvd: same as pg. 1 Day Survey

0925 played tape twice, no response

0935 " " " "

0950 " " " "

FIELD JOURNAL

Job Name Cross Valley / Golden Valley Rd Bridge Job #_____
Observer EMR Add'l Persons BC
Date 051706 Start Time_____ End Time_____
Location Santa Clarita River Valley
Habitat Description_____

Purpose of Visit ARTO/CAGN (#3)
Start Weather: Temp_____ Wind Sp/Dir From_____ %Clds_____ Pcp_____
Describe Surrounding Land Uses and Discuss Wildlife Movement Corridors and Habitat Linkages.

Obs. No.	Time	Notes
		Night - ARTO 0950p, 70% clds, 73.1°F, 0-3 mph
		crickets
		west toad observed (non breeding male?) smaller adult, not calling
		- 2nd west toad observed
		Pac chorus frogs calling, very active
X	MANY	→ tadpoles of ~~Pac chorus frog~~ West. spadefoot
		small snails
		Some west. toad tadpoles observed
		KILL
		bloodworms
		End 10:40pm 0-3 mph, 60% clds, 74.1°F
		Day - ARTO 05-18-06 61.9°F, 100% clds/fog Ø prcp, 0-2 mph 0540.
	✓	HOFI
	✓	NOMO ✓ RCSP, ♂ calling, ♀ observed
	✓	ATFL ✓ LEGO
	✓	MODO ✓ ANHU
	✓	BUSH ✓ CAQU
	✓	cottontail ✓ RSHA
	✓	KILL ✓ SPTO
	✓	CALT ✓ BLPH
	✓	AMCR ✓ RODO
	✓	BEWR ✓ WEKI
	✓	SOSP End 0610am
	✓	CA grnd sqrl

Current Weather: Temp_____ Wind Sp/Dir From_____ %Clds_____ Pcp_____

CAGN Survey 05/18/06

Start 0610 → End 0700 59.9°F, fog, 100% clds, 0-2 m

- same species observed as ARTO Day (Pg. 1)
- played tape: 0615, 0630, 0645 } no response.

FIELD JOURNAL

Job Name Cross Valley / Golden Valley Rd Bridge Job # _____
Observer EMR Add'l Persons MR
Date 05.30.06 Start Time _____ End Time _____
Location Santa Clarita River Valley
Habitat Description river wash, tamarisk, upland -

Purpose of Visit ARTO + CAGN (#4)
Start Weather: Temp 66.4°F Wind Sp/Dir From 0-2mph %Clds Ø Pcp Ø
Describe Surrounding Land Uses and Discuss Wildlife Movement Corridors and Habitat Linkages.

Obs. No.	Time	Notes
ARTO-		Night - 10:00 pm Øclds, 0-2 mph, 66.4°F
		- KILL
		Pac. chorus frogs - calling
		West. toads - 6 adults observed
		- no tadpoles
		Appears site experienced heavy scouring since hard rain (~5/21/06)
		clean flow, less trash + debris, no bloodworms, no tadpoles, channel patterns changed some places
		End 65°F, 0-2 mph, Øclds 10:45 pm
		ARTO - Day 5/31/06
		0650 - 0710am Øclds, 0-2 mph, 61.7°F
	✓	WESJ
	✓	AMGO
	✓	WEKI
	✓	CALT
		LABU Lawli
	✓	RCSP
	✓	AMCR
	✓	CLSW
	✓	HOFI
	✓	woodrat sp.
	✓	BUSH
	✓	NOMO ✓ CA ground sq'l
	✓	CAGU dom. dog
	✓	BEWR ✓ cottontail
	✓	SOSP ✓ SPTO
	✓	BHGB ✓ KILL
	✓	ANHU ✓ WREN

Current Weather: Temp _____ Wind Sp/Dir From _____ %Clds _____ Pcp _____

05/31/06 CAGN Survey

0710-0750 68.0°F, 0-2mph, Ø clds

- same species observed as ARTO Day (Pg. 1)
- mud pool @ top of slope in upland cntns toad trks
- played tape 0715
  0730
  0745
  0750
  } no response

End Ø clds, 0-2mph, 0750, 68.0°F

FIELD JOURNAL

Job Name Cross Valley Connector Job # 02080053.13
Observer Barbara Calantas Add'l Persons Lyndon Quon
Date 6/6/06 Start Time 2200 End Time 2245
Location Santa Clara River, Santa Clarita, CA
Habitat Description Disturbed CSS / sandy drainage / dist-habitat

Purpose of Visit ARTO survey
Start Weather: Temp 73.6°F Wind Sp/Dir From 1-2 mph %Clds 0 Pcp 0
Describe Surrounding Land Uses and Discuss Wildlife Movement Corridors and Habitat Linkages.

Obs. No.	Time	Notes
		-chorus frogs singing
		- KIDE - Killdeer
		MODO
		-started ARTO survey @ east side of project
		3 western toads in small pond near site entrance, along dirt road
		-No tadpoles in ponded areas or in drainage
	✓	- cottontail scat
	✓	- coyote tracks
		1 western toad along drainage slope
		NO ARTO observed during survey

Current Weather: Temp 71.2 Wind Sp/Dir From 1-2 mph %Clds 0 Pcp 0

FIELD JOURNAL

Job Name CROSS VALLEY CONNECTOR Job #

Observer LYNDON QUON Add'l Persons BARBRA CALANTAS

Date 6-7-06 Start Time 0610 End Time 0710

Location SANTA CLARA RIVER (NORTH BANK), CITY OF SANTA CLARITA

Habitat Description DISTURBED CSS

Purpose of Visit CAGN SURVEY / ARTO SURVEY - Daytime

Start Weather: Temp 66.4°F Wind Sp/Dir From 0 %Clds OVERCAST Pcp 0

Describe Surrounding Land Uses and Discuss Wildlife Movement Corridors and Habitat Linkages.

Obs. No.	Time	Notes
	✓	WEKI
	✓	HOFI
	✓	SOSP
	✓	SPTO
	✓	MODO
	✓	KILL
	✓	NRWS
	✓	CORA
	✓	BEWR
	✓	BUSH
	✓	CATO
	✓	CAQU
	✓	CLSW
	✓	EUST
	✓	CA GROUND SQUIRREL
	✓	ATFL
		STARTED SURVEY ON THE SOUTH SIDE OF THE NORTH RIVER BANK. PLAYED TAPED VOCALIZATION INTO PATCHES OF CSS. CONTINUED TO SURVEY SLOPE IN A CLOCKWISE SPIRAL. NO CAGN OBSERVED OR DETECTED.

Current Weather: Temp 65.1°F Wind Sp/Dir From 0-2 MPH / E %Clds OVERCAST Pcp MIST

FIELD JOURNAL

Job Name CROSS VALLEY CONNECTOR Job #

Observer LYNDON QUOE Add'l Persons OREN MIZRACHI

Date 7-5-06 Start Time 2215 End Time 2315

Location SANTA CLARA RIVER @ CITY OF SANTA CLARITA

Habitat Description DISTURBED SANDY RIVER WASH

Purpose of Visit ARTD SURVEY

Start Weather: Temp 62°F Wind Sp/Dir From 0 %Clds 0 Pcp 0

Describe Surrounding Land Uses and Discuss Wildlife Movement Corridors and Habitat Linkages.

Obs. No.	Time	Notes
		CONDUCTED SURVEY ALONG THE STREAM CHANNEL CUTTING ACROSS THE SITE. NO ARTD IN THE NARROW EAST-WEST STREAM ON THE EAST END OF THE SITE.
*		CALIFORNIA TOADS WITHIN THE EASTERN POND, TOTALLING 5 INDIVIDUALS, WITH 2 IN AMPLEXUS.
		KILLDEER MOVING THROUGHOUT THE SITE. COYOTES CALLING FROM THE WEST.
		MORE CALIFORNIA TOADS IN THE LARGER POND ON THE WEST SIDE OF THE SITE, TOTALLING 8 INDIVIDUALS, WITH 2 IN AMPLEXUS.
		ONE LONE CALIFORNIA TOAD OBSERVED AT SOUTH END OF RUNOFF DRAINAGE CHANNEL AT SOUTH END OF THE SITE.
		TOTAL OF 14 CALIFORNIA TOADS, WITH BREEDING BEHAVIOR STILL BEING EXHIBITED THIS LATE IN THE SEASON.
		NO ARTD OBSERVED.

Current Weather: Temp 60°F Wind Sp/Dir From 0 %Clds 0 Pcp 0

FIELD JOURNAL

Job Name CROSS VALLEY CONNECTOR Job #

Observer LYNDON QUON Add'l Persons OREN MIZRACHI

Date 7-10-06 Start Time 0615 End Time 0715

Location SANTA CLARA RIVER (NORTH BANK) @ CITY OF SANTA CLARITA

Habitat Description DISTURBED CSS, CONTIGUOUS WITH NATURAL OPEN SPACE.

Purpose of Visit CAGN SURVEY / ARTO SURVEY - Daytime

Start Weather: Temp 74°F Wind Sp/Dir From 0 %Clds 20 Pcp 0

Describe Surrounding Land Uses and Discuss Wildlife Movement Corridors and Habitat Linkages.

Obs. No.	Time	Notes
		START SURVEY @ SOUTHERN END OF
		HABITAT, AND CONTINUED IN A
		CLOCKWISE DIRECTION OVER THE
		HILL / RIVERBANK.
		CATO
		BEWR
		BUSH
		SPTO
		RTHA
		PHAI
		CAQU
		HOFI
		WTKI
		WEKI
		KILL
		SOSP
		WSJA
		NO CAGN OBSERVED. BEWICK'S
		WREN RESPONDING TO TAPED
		VOCALIZATION PLAYBACK.
		CORA
		CALIF. GROUNDSQUIRREL
	0715	END SURVEY.

Current Weather: Temp 76°F Wind Sp/Dir From 0 %Clds 10 Pcp 0

FIGURES

Source: City of Santa Clara; ESRI

NORTH

6 3 0 6 Miles

Figure 1
Regional Location Map

Path: P:\2002\2K053 Cross Valley\5GIS\MXD\Arroyo Toad Report\loc_map.mxd, 10/25/06, LeeJ

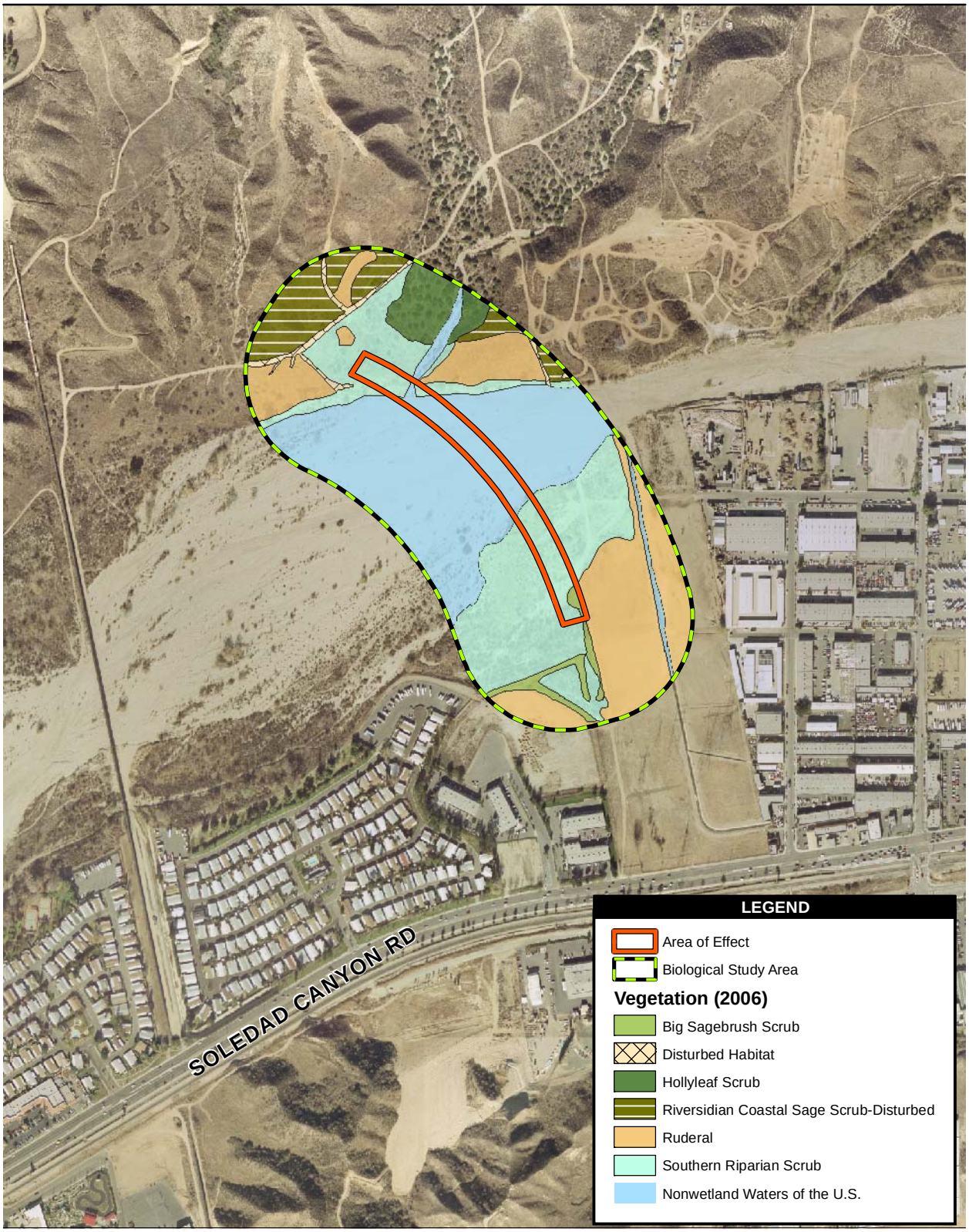
Source: City of Santa Clarita

500 250 0 500 Feet

Scale: 1:6,000; 1 inch = 500 feet

Figure 2
Golden Valley Road Bridge Project
Biological Study Area

Path: P:\2002\2K053 Cross Valley\5GIS\MXD\Arroyo Toad Report\bsa.mxd, 10/25/06, LeeJ



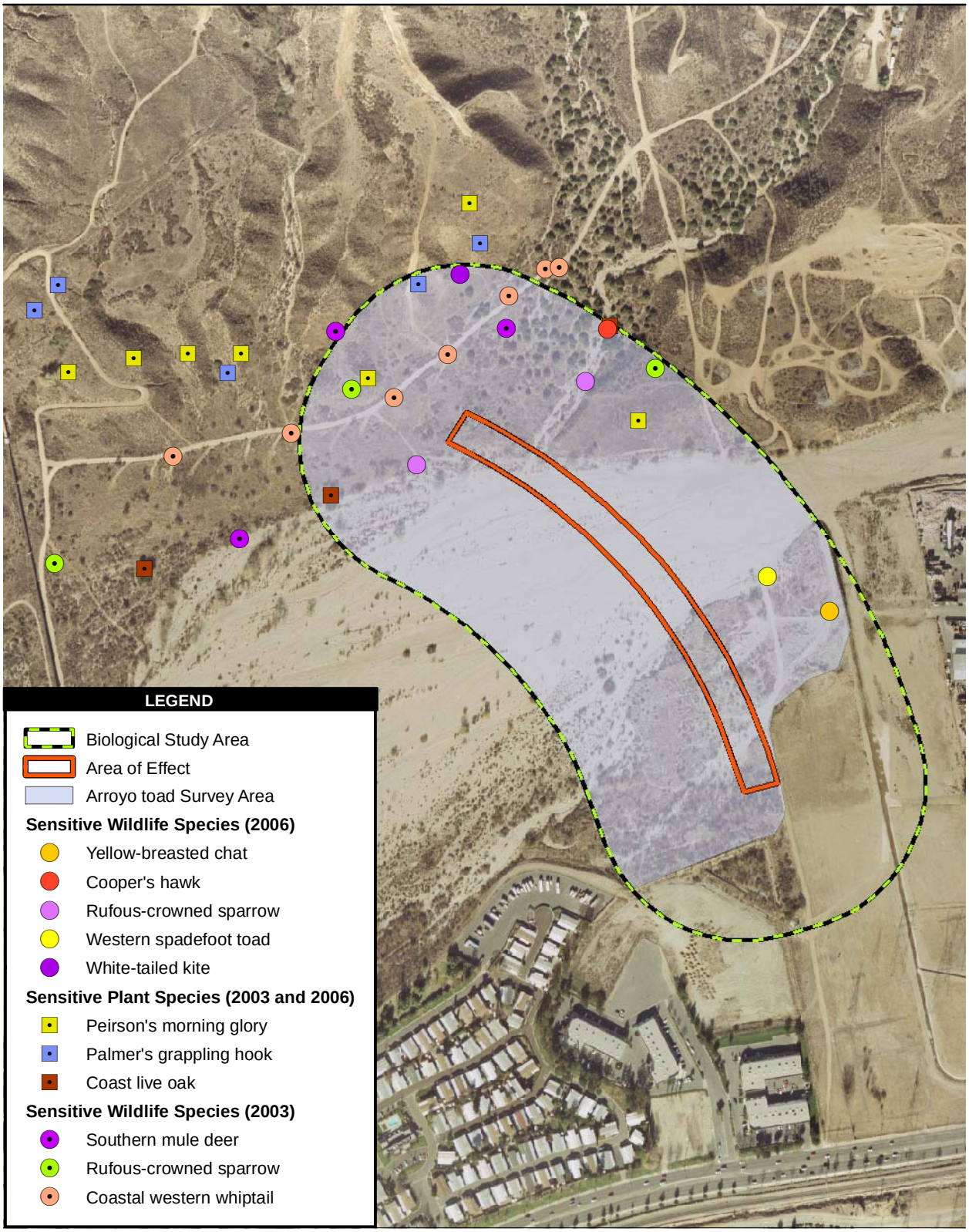
Source: Stewart GeoTechnologies 2004

700 350 0 700 Feet

Scale: 1:8,400; 1 inch = 700 feet

Figure 3
Vegetation Communities

Path: P:\2002\2K053 Cross Valley\5GIS\MXD\vegetation.mxd, 10/25/06, LeeJ



Source: Stewart GeoTechnologies 2004; EDAW 2003, 2006

500 250 0 500 Feet

Scale: 1:6,000; 1 inch = 500 feet

Figure 4
Sensitive Species

Path: P:\2002\2K053 Cross Valley\5GIS\MXD\sensitive species figure.mxd, 11/01/06, LeeJ