

DRAFT Focused Surveys for the Least Bell's Vireo, Southwestern Willow Flycatcher, and Western Yellow-billed Cuckoo for the Valley-Ivyglen Transmission Line Project

Prepared for:
Southern California Edison Company

Prepared by:
AMEC Earth & Environmental, Inc.

December 2007Project No. 6151000801









DRAFT FOCUSED SURVEYS FOR THE LEAST BELL'S VIREO, SOUTHWESTERN WILLOW FLYCATCHER, AND WESTERN YELLOW-BILLED CUCKOO FOR THE VALLEY-IVYGLEN TRANSMISSION LINE PROJECT

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December 2007

Project No. 6151000801

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1.0 INTRODUCTION

This report presents the findings of focused surveys for the Least Bell's Vireo (*Vireo belli pusillus*), Southwestern Willow Flycatcher (*Empidonax traillii extimus*), and Western Yellow-billed Cuckoo (*Coccyzus americanus occidentalis*) at suitable habitat patches along the Valley-lvyglen Transmission Line Project. These habitat patches occur along or near the San Jacinto River and Temescal Wash, in Riverside County, California (Figure 1). Areas considered to contain suitable habitat along the project route are:

<u>San Jacinto River area</u>: approximate UTM at east end of survey area: Zone 11, 477600E, 3733000N (NAD27); approximate UTM at west end of survey area: Zone 11, 476300E, 3732800N (NAD27); USGS 7.5 minute Romoland, Calif. and Lake Elsinore, Calif. quadrangles (Figure 2).

Nichols Road area (Temescal Wash): approximate UTM at north end of survey area: Zone 11, 466400E, 3730700N (NAD27); approximate UTM at south end of survey area: Zone 11, 466800E, 3729200N (NAD27); USGS 7.5 minute Lake Elsinore, Calif. quadrangle (Figure 3).

<u>Lake Street area (Temescal Wash)</u>: approximate UTM at east end of survey area: Zone 11, 463600E, 3732000N (NAD27); approximate UTM at west end of survey area: Zone 11, 462700E, 3732300N (NAD27); USGS 7.5 minute Alberhill, Calif. quadrangle (Figure 4).

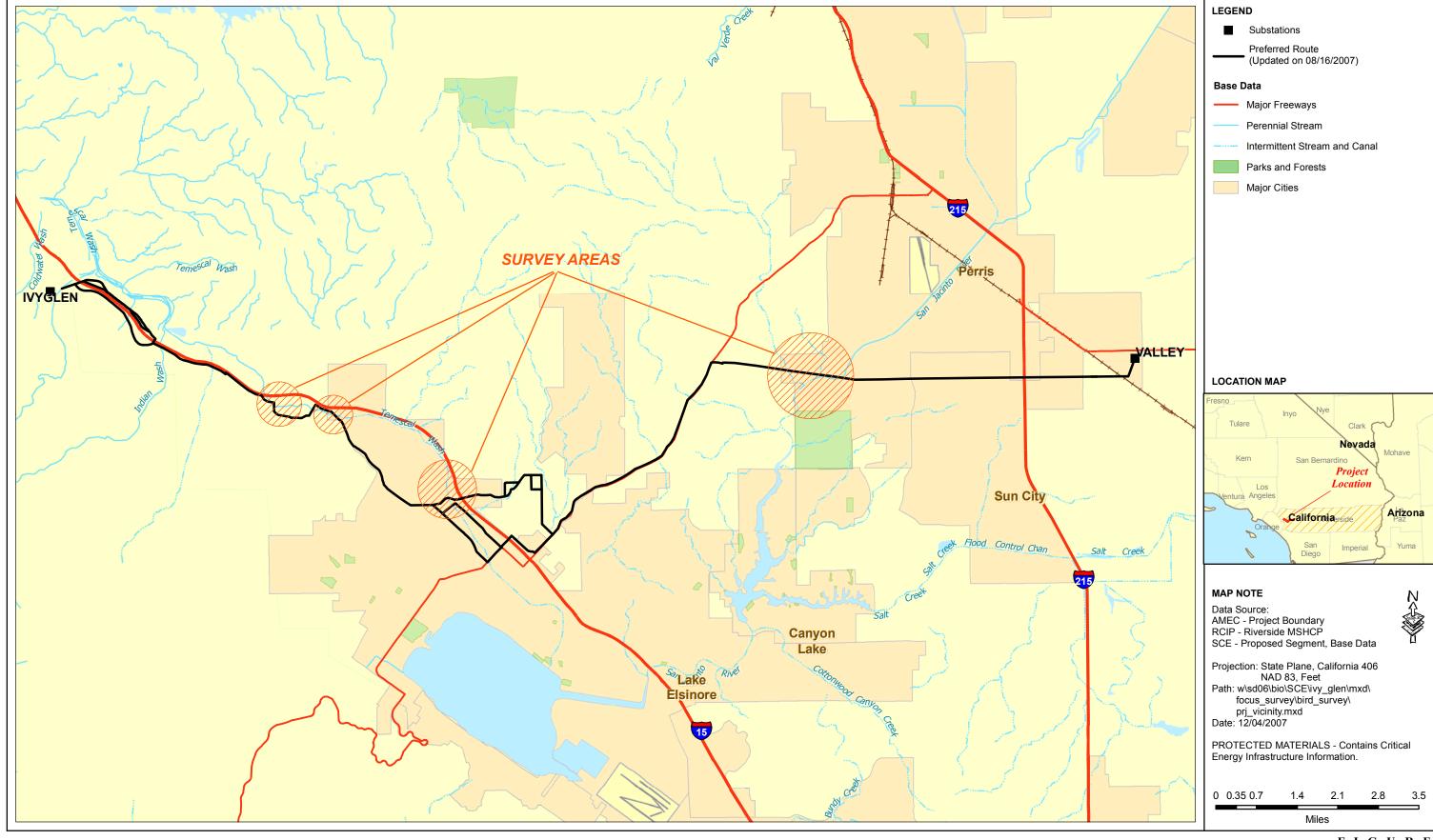
<u>Hostettler Road area (Temescal Wash)</u>: approximate UTM at east end of survey area: Zone 11, 462700E, 3732300N (NAD27); approximate UTM at west end of survey area: Zone 11, 461400E, 3732600N (NAD27); USGS 7.5 minute Alberhill, Calif. quadrangle (Figure 5).

The proposed project is in the coverage area of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). The MSHCP is a comprehensive, multi-jurisdictional Habitat Conservation Plan (HCP) focusing on conservation of species and their associated habitats in western Riverside County.

1.1 Project Description

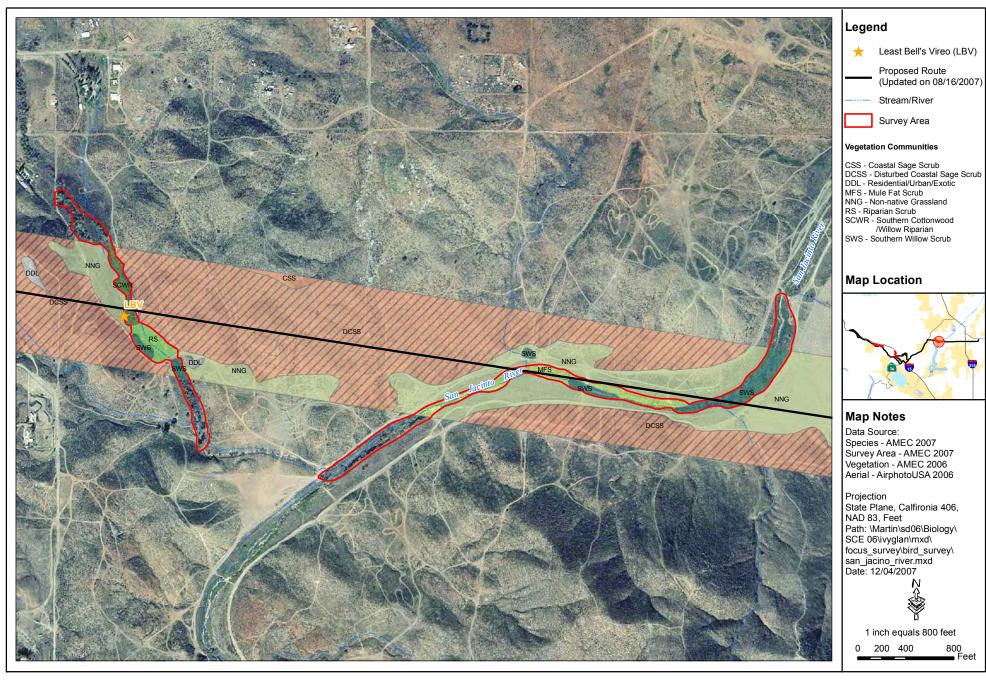
The Valley-Ivyglen Transmission Line Project involves the construction of a new 115kV transmission line which will connect the Valley Substation to the Ivyglen Substation. This transmission line will be installed in an existing right-of-way (ROW) where available, and new ROWs where none exist. The Valley Substation is located in the southwest corner of an unincorporated area known as Romoland, adjacent to the city of Perris. The Ivyglen Substation is located in the southeastern portion of unincorporated Corona, along Temescal Canyon Road and near the Glen Ivy Hot Springs (Figure 2). The Ivyglen Substation is approximately 19 miles west of the Valley Substation.

The proposed project is located in western Riverside County; the proposed transmission line routes also traverse unincorporated Riverside County, and the cities of Lake Elsinore, Corona, Perris, Sun City, and Canyon Lake, California. The proposed routes also traverse through portions of the following U.S. Geological Survey (USGS) 7.5-minute series topographic quadrangles: Corona South, Lake Matthews, Steele Peak, Perris, Lakeview, Santiago Peak, Alberhill, Lake Elsinore, Romoland, Winchester, Sitton Peak, and Wildomar.





F I G U R E









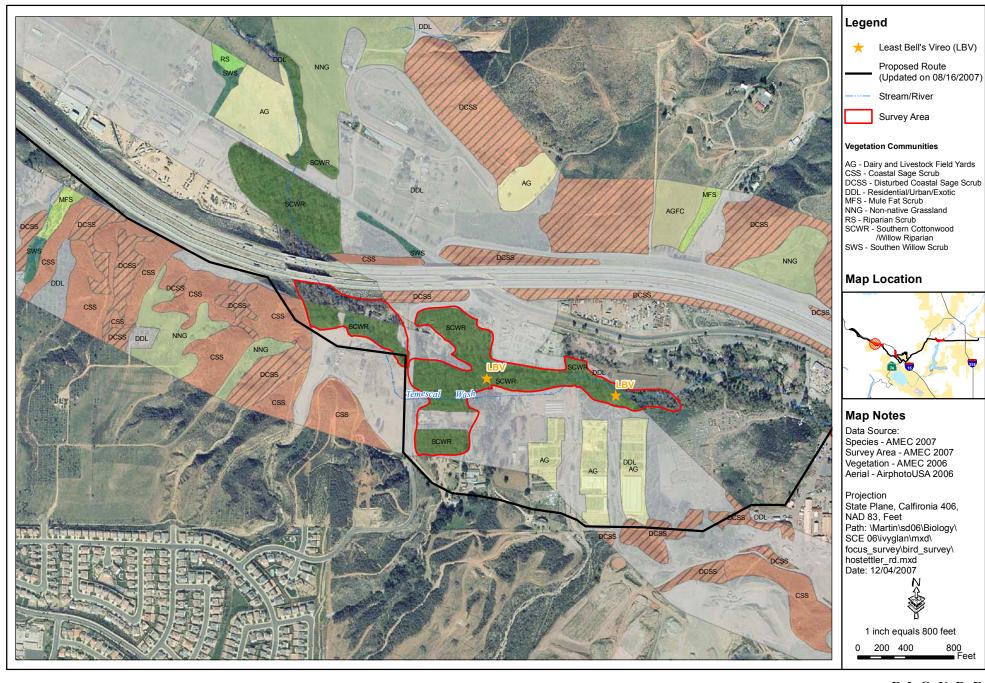
FIGURE





FIGURE

4





FIGURE

5

1.2 Background on the Least Bell's Vireo

Least Bell's Vireo (LBV) is a small, migratory, insectivorous bird which occurs in willow-dominated riparian habitats. Although this bird is drab in plumage and can be secretive within its densely vegetated habitat, males are nonetheless easy to detect on the breeding grounds due to their conspicuous and diagnostic song. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams (Grinnell and Miller 1944, Goldwasser 1978, Franzreb 1987, Garrett and Dunn 1981).

Least Bell's Vireos were formerly widespread and common throughout low-lying riparian habitats of central and southern California, but are now restricted to a limited number of locations in southern California. Habitat reduction has contributed to this species' significant population declines. Nest parasitism by Brown-headed Cowbirds (*Molothrus ater*) has also seriously impacted reproductive success by Least Bell's Vireo, as well as many other species which build cup nests (Goldwasser 1978). Least Bell's Vireo is listed as Endangered by the California Department of Fish and Game (CDFG) and by the U.S. Fish and Wildlife Service (USFWS).

1.3 Background on Southwestern Willow Flycatcher

The Southwestern Willow Flycatcher (SWFL) is a small, brownish-olive flycatcher that was formerly considered a common summer resident in southern California's lowland willow thickets and in mountain canyons (Garrett and Dunn 1981). Following the large-scale invasion of southern California by Brown-headed Cowbirds in the 1920s, along with loss of willow riparian habitat, this subspecies was nearly extirpated from southern California. The Willow Flycatcher was listed by the State of California as endangered in 1990. The subspecies *E. t. extimus* (Southwestern Willow Flycatcher) is listed as endangered by the U.S. Fish and Wildlife Service (USFWS). A final determination of critical habitat was made in October 2005 (USFWS 2005).

Recent surveys have revealed populations along the Santa Margarita and San Luis Rey rivers in San Diego County, in the San Bernardino Mountains and along the Mojave River in San Bernardino County, the Santa Ynez River in Santa Barbara County, the Santa Clara River in Los Angeles and Ventura counties, and the South Fork of the Kern River in Kern County (Unitt 1987, Marshall 2000). This subspecies also persists in the Lower Colorado River Valley (Marshall 2000, R. McKernan, San Bernardino County Museum, pers. comm.).

The Southwestern Willow Flycatcher breeds in dense riparian habitats near surface water or saturated soil. Plant composition and habitat structure can vary greatly depending on the site, but willows often make up much of the understory. Populations along the Colorado River are known to use thickets dominated by both native and nonnative plants (especially Salt-Cedar [*Tamarix* spp.]). Dense patches of understory vegetation are a critical component of occupied habitat (Sogge et al. 1997).

1.4 Western Yellow-billed Cuckoo

The Western Yellow-billed Cuckoo (WYBC) is an extremely rare bird in California, with less than 50 pairs found during a statewide survey in 1986-1987, and no indication of more recent population increases. Most of California's Yellow-billed Cuckoos are found in two areas: along



FINAL RESULTS OF FOCUSED SURVEYS FOR THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOR THE

VALLEY-IVYGLEN SUBTRANSMISSION LINE PROJECT, PHASE 2 RIVERSIDE COUNTY, CALIFORNIA

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August 2014 AMEC Project No. 1255400499



EXECUTIVE SUMMARY

At the request of Southern California Edison, AMEC Environment and Infrastructure, Inc. conducted focused surveys for the state and federally listed as endangered Least Bell's Vireo (*Vireo belli pusillus*) and Southwestern Willow Flycatcher (*Empidonax traillii extimus*). Surveys were conducted at suitable habitat patches along the Phase 2 Valley-Ivyglen Subtransmission Line Project where these species have not been detected during previous focused surveys in 2007, 2010, 2011, 2012 and 2013. The surveys were performed to satisfy requirements of the Western Riverside County Multiple Species Habitat Conservation Plan. Least Bell's Vireos were detected in two survey areas/patches. No Southwestern Willow Flycatchers were detected; however, migrating Willow Flycatchers (*Empidonax traillii*) of more northerly subspecies were detected in three survey areas/patches.



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ACRONYMS AND ABBREVIATIONS

AMEC	AMEC Environment & Infrastructure, Inc.
CDFW	California Department of Fish and Wildlife (new name as of 2013)
°F	degrees Fahrenheit
kV	kilovolt
LBV	Least Bell's Vireo
mph	miles per hour
MSHCP	Multiple Species Habitat Conservation Plan
PST	Pacific Standard Time
ROW	right-of-way
SCE	Southern California Edison
survey area	project ROW and 500-foot buffer from centerline of ROW
SWF	Southwestern Willow Flycatcher
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VIG	Valley-Ivyglen Subtransmission Line



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1.0 INTRODUCTION

At the request of Southern California Edison (SCE), AMEC Environment and Infrastructure, Inc. (AMEC) conducted focused surveys for the state and federally listed as endangered Least Bell's Vireo (LBV; Vireo bellii pusillus) and Southwestern Willow Flycatcher (SWF; Empidonax traillii extimus). Surveys were conducted at suitable habitat patches along the Valley-Ivyglen (VIG) Subtransmission Line Project, Phase 2 (Appendix A: Figures 1 through 3). No suitable habitat for the state endangered Western Yellow-billed Cuckoo (Coccyzus americanus occidentalis) is present along Phase 2. The surveys were performed to satisfy requirements of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) (Riverside County 2003). This report presents the findings of those focused surveys as required by U.S. Fish and Wildlife Service (USFWS) recovery permit guidelines.

1.1 Project Description

The proposed VIG project is designed to improve reliability and meet projected electrical load requirements in western Riverside County, and involves the construction of a new 115 kilovolt (kV) subtransmission line between the Valley and Ivyglen Substations. The proposed VIG project has been divided into two portions: eastern (Phase 1) and western (Phase 2). Phase 1 extends from the Valley Substation in the City of Menifee southwest to the corner of Collier Avenue and Third Street in the City of Lake Elsinore. Phase 2 extends from that corner northwest to the Ivyglen Substation in the City of Corona.

The proposed VIG Phase 2 route is located entirely in western Riverside County, California and it traverses portions of unincorporated county and the cities of Corona and Lake Elsinore (Appendix A: Figures 1 through 3). The route traverses portions of the *Lake Elsinore*, *Lake Mathews*, and *Alberhill* U.S. Geological Survey (USGS) 7.5-minute series topographic quadrangles (Appendix A: Figure 2).

This report addresses focused surveys conducted within the Phase 2 portion of the project area only. No focused riparian bird surveys were performed during 2014 within Phase 1; therefore, Phase 1 will not be discussed further. Appropriate habitat was surveyed along the proposed subtransmission line right-of-way (ROW) within a 500 foot buffer on each side of the centerline of the proposed subtransmission lines and access roads (survey area). Habitat patches where LBV or SWF species were detected during previous VIG focused surveys for riparian birds (AMEC 2007, 2010, 2011, 2012 and 2013) were excluded from 2014 surveys.

The survey area is located within the MSHCP area; the MSHCP is a comprehensive, multijurisdictional Habitat Conservation Plan. This plan focuses on the conservation of species and their associated habitats in western Riverside County (Riverside County 2003).



1.2 Species Information: Least Bell's Vireo

The LBV is a small, migratory, insectivorous bird, which occurs in willow-dominated riparian habitats. Although this bird is drab in plumage and can be secretive within its densely vegetated habitat, males are easy to detect on the breeding grounds due to their conspicuous and diagnostic song. Nesting habitat of this species is normally restricted to willow- and/or mule fat-dominated riparian scrub along permanent or nearly permanent streams (Grinnell and Miller 1944, Goldwasser 1978, Franzreb 1987, Garrett and Dunn 1981).

LBV were formerly widespread and common throughout low-lying riparian habitats of central and southern California, but are now restricted to a limited number of locations in southern California. Habitat reduction has contributed to this species' significant population decline. Nest parasitism by Brown-headed Cowbirds (*Molothrus ater*) has also seriously impacted reproductive success of LBV, as well as many other species that build cup nests (Goldwasser 1978). The population is slowly recovering as a result of habitat restoration and cowbird control efforts. LBV is listed as Endangered by the California Department of Fish and Wildlife (CDFW) and by the USFWS (USFWS 1986). A final determination of critical habitat was made in 1994 (USFWS 1994). The survey area is not within designated critical habitat for LBV.

1.3 Species Information: Southwestern Willow Flycatcher

The SWF is a small, brownish-olive flycatcher that was formerly considered a common summer resident in southern California's lowland willow thickets and in low elevation mountain canyons (Garrett and Dunn 1981). Following the large-scale invasion of southern California by Brownheaded Cowbirds in the 1920s, along with loss of willow riparian habitat, this subspecies was nearly extirpated from southern California. The Willow Flycatcher (all subspecies) was listed by the State of California as endangered in 1990. The subspecies *E. t. extimus* (SWF) is listed as federally endangered (USFWS 1995). Critical habitat was designated for this species in 1997 (USFWS 1997), then revised and finalized in 2005 (USFWS 2005), then revised and finalized again in 2013 (USFWS 2013). The project area is not currently within designated critical habitat for SWF.

Surveys have revealed extant populations along the Santa Margarita and San Luis Rey Rivers in San Diego County, the San Bernardino Mountains and along the Mojave River in San Bernardino County, the Santa Ynez River in Santa Barbara County, the Santa Clara River in Los Angeles and Ventura counties, the South Fork of the Kern River in Kern County (Unitt 1987, Marshall 2000), and the Prado Basin and San Timoteo Creek in western Riverside County (J. Pike, Orange County Water District; R. McKernan, San Bernardino County Museum: pers. comm.). This subspecies also persists in the Lower Colorado River Valley (Marshall 2000, R. McKernan, pers. comm.). Unlike LBVs, SWF populations do not appear to have gained any significant benefit from habitat restoration and cowbird control efforts.

The SWF breeds in dense riparian habitats near surface water or saturated soil. Plant composition and habitat structure can vary greatly depending on the site, but willows often make up much of the understory. Populations along the Colorado River are known to use thickets dominated by both native and nonnative plants (especially saltcedar [*Tamarix* spp.]). Dense patches of understory vegetation are a critical component of occupied habitat for SWF (Sogge et al. 1997).



2.0 METHODS

2.1 Habitat Assessment

Areas considered to contain suitable habitat were identified along the VIG Phase 2 project route as described below (recorded in UTM, Zone 11, NAD27). Habitat patches where LBV were detected during previous VIG focused surveys for riparian birds (AMEC 2007, 2010, 2011, 2012 and 2013) were excluded from 2014 surveys.

Northwest Survey Area

- Pasadena consists of a habitat patch dominated by mule fat (*Baccharis salicifolia*) and willows (*Salix* spp.) (Appendix B: Photograph 1). Drought and the establishment of a homeless encampment prior to the 2014 survey season left this patch in very low quality condition for utilization by riparian birds. There was no surface water or saturation during the 2014 season. It is southwest of the intersection of Third and Pasadena Streets in the City of Lake Elsinore. The west end is at 468446E, 3726999N and the east end at 468529E, 3727010N. This area occurs on land mapped on the USGS 7.5 minute *Lake Elsinore*, *Calif.* guadrangle (Appendix A: Figures 1, 2A, and 3-1).
- Lake Street is primarily along an unnamed drainage. It is variously dominated by mule fat and willows and interspersed with short sections of unsuitable habitat (Appendix B: Photographs 2 and 3). Gum trees (*Eucalyptus* sp.) are adjacent to the riparian habitat along much of the drainage. The north end of this survey area also includes a short segment of Temescal Wash. The survey area is just east of habitat in Temescal Wash known to have been occupied by LBV in the past and north of patches on Lake Street known to have been occupied by LBV in the past. The downstream end (north) is located just northeast of the intersection of Temescal Canyon Road and Lake Street at 463659E, 3731899N. The upstream end (south) of the survey area is at 463835E, 3731471N. No surface water or saturation was visible during the 2014 riparian bird surveys, but saturation at a minimum was likely present in Temescal Wash. The unnamed drainage is a USGS mapped intermittent blueline stream. This area occurs on land mapped on the USGS 7.5 minute *Alberhill*, *Calif.* quadrangle in the City of Lake Elsinore (Appendix A: Figures 1, 2B, and 3-2).
- Horsethief East is a riparian patch dominated intermittently by Fremont cottonwoods (*Populus fremontii*), willows, and mule fat (Appendix B: Photograph 4). This unnamed drainage is a USGS mapped intermittent blueline stream, which is now interrupted by an upstream housing development. Surface water was present throughout the season, but only at the upstream (south) end of the drainage. It is located approximately 0.4 mile southeast of the intersection of De Palma and Horsethief Canyon Roads. The approximate north end of survey area is at 460892E, 3732717N and the south end is at 460718E, 3732467N. This area occurs on unincorporated lands mapped on the USGS 7.5 minute *Alberhill*, *Calif.* quadrangle (Appendix A: Figures 1, 2B, and 3-3).



- Horsethief West is intermittently dominated by mule fat and willows (Appendix B: Photograph 5). This unnamed drainage has been highly modified and is now interrupted by development upstream. No surface water or saturation was visible at this site during the 2014 surveys, and much of the riparian vegetation was exhibiting drought stress throughout the season. It is located approximately 0.15 mile southeast of the intersection of De Palma and Horsethief Canyon Roads. The approximate north end of survey area is at 460552E, 3732964N and the south end is at 460466E, 3732642N. This area occurs on land mapped on the USGS 7.5 minute Alberhill, Calif. quadrangle (Appendix A: Figures 1, 2B, and 3-3).
- **De Palma** is a small riparian patch south of De Palma Road, approximately 0.5 mile southeast of the intersection of De Palma and Glen Eden Roads (Appendix B: Photograph 6). The north end of this patch is riparian scrub (willows and mule fat), transitioning to oak woodlands to the southwest. Upstream rural residences may provide some moisture to this unnamed and unmapped drainage, but no surface water or saturation was visible at this site during the 2014 surveys. In addition, much of the riparian vegetation was exhibiting drought stress throughout the season. The approximate north end of survey area is at 459297E, 3733474N and the south end is at 459233E, 3733342N. This area occurs on land mapped on the USGS 7.5 minute *Alberhill, Calif.* quadrangle (Appendix A: Figures 1, 2B, and 3-4).

Campbell Ranch Survey Area

- Campbell consists of patches of riparian vegetation dominated by willows, western sycamores (*Platanus racemosa*), and mule fat (Appendix B: Photographs 7 and 8). They are along an unnamed USGS mapped blueline stream, but are separated by Campbell Ranch Road. The drainage may gain some moisture from rural residences, but appears to be a largely natural system upstream of the survey area. No surface water or soil saturation was visible during the surveys, and vegetation east of Campbell Ranch Road was exhibiting drought stress. The survey area is at the intersection of Campbell Ranch Road and Indian Truck Trail in the City of Corona. The approximate north end of survey area is at 458002E, 3734212N and the south end is at 457767E, 3733981N. This area occurs on land mapped on the USGS 7.5 minute *Alberhill, Calif.* quadrangle (Appendix A: Figures 1, 2C, and 3-6).
- **Fire Station** consists of two patches of riparian vegetation dominated by willows (Appendix B: Photographs 9 and 10). They are along an unnamed USGS mapped blueline stream, but are separated by Campbell Ranch Road. Vegetation in the drainage appears to be sustained by runoff from the large residential area immediately to the northwest. Surface water was present during the survey season. The survey area is at the intersection of Campbell Ranch Road and Mayhew Canyon Road (south end) adjacent to a fire station in the City of Corona. The approximate north end of survey area is at 457693E, 3734741N and the south end is at 457550E, 3734513N. This area occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle (Appendix A: Figures 1, 2C, 3-6, and 3-7).



- Soapberry consists of two patches of adjacent riparian vegetation dominated by willows and mule fat (Appendix B: Photograph 11). They are in created basins, which are not on USGS mapped bluelines. They appear to be sustained by runoff from the large residential area immediately to the south. Surface water and/or saturation was intermittently present during the survey season. Both are on the north side of Campbell Ranch Road, near its intersection with Soapberry Street in the City of Corona. The approximate east end of survey area is at 457529E, 3734889N and the west end is at 457135E, 3735200N. This area occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (Appendix A: Figures 1, 2C, and 3-7).
- Triplet consists of three patches of adjacent riparian vegetation dominated by willows and mule fat. Two are on drainages not mapped as bluelines by the USGS, and the third is in a created basin, also not on a mapped blueline. All appear to be sustained by runoff from the large residential area immediately to the south (Appendix B: Photograph 12). Surface water was present during the survey season, especially at the westernmost patch. All are on the north side of Campbell Ranch Road, near its intersection with Mayhew Canyon Road (north end) in the City of Corona. The approximate east end of survey area is at 456844E, 3735397N and the west end is at 456567E, 3735471N. This area occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (Appendix A: Figures 1, 2C, and 3-8).
- Basin is in a detention basin/former surface mine southwest of Temescal Canyon Road, just south of its intersection with Campbell Ranch Road in the City of Corona (Appendix B: Photograph 13). This patch contains willows, mule fat, and saltcedar (*Tamarix ramosissima*). It is not a named or mapped drainage. No surface water or saturation was visible during the surveys, and the vegetation exhibited drought stress throughout the season. The approximate north end of survey area is at 456189E, 3735514N and the south end is at 456207E, 3735393N. This area occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle (Appendix A: Figures 1, 2C, and 3-8).
- Mayhew is two associated riparian patches just east of the intersection of Temescal Canyon Road and Mayhew Road in the City of Lake Elsinore (Appendix B: Photographs 14 and 15). The two patches contain mule fat and willows, but lacked surface water or saturated soils other than some saturation at the southernmost end. This area is not mapped as a drainage, but the eastern patch is within natural drainage contours and appears to be fed by runoff from housing developments on the other side of Interstate 15. This drainage was once blocked by fill for a now abandoned railroad crossing, and passed through a culvert, below the survey area. That fill and culvert were blown out by flooding, most likely in 2011. The western patch of this survey area appears to be an artificial basin that may have filled when water backed up against the former railroad crossing. Now that the obstacle is gone, this basin may become increasingly arid, but so far vegetation has persisted. Although the vegetation has persisted, it showed signs of drought stress during the 2014 survey season. The approximate west end of the survey area is at 456519E, 3735684N and the east end is at 456625E, 3735620N. This area occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (Appendix A: Figures 1, 2C, and 3-8).



- Yard is a small riparian patch southwest of Temescal Canyon Road, approximately 0.3 mile south-southeast of El Hermano Road (Appendix B: Photograph 16). A patch of willows and mule fat occurs at this site. A grove of large gum trees is immediately northeast of the riparian scrub. This survey area had surface water during much of the season. This survey area is on an unnamed USGS mapped intermittent blueline stream, with flow enhanced by runoff from upstream residential development. The approximate west end of survey area is at 457767E, 3734904N and the east end is at 457791E, 3734938N. This area occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* guadrangle in or near Corona city limits (Appendix A: Figures 1, 2C, and 3-7).
- Indian Truck Trail consists of several unnamed USGS mapped intermittent blueline streams as they converge at Temescal Wash, approaching and entering the wash as its tributaries (Appendix B: Photographs 17 and 18). These are all near the intersection of Temescal Canyon Road and Indian Truck Trail in or near Corona city limits. Riparian habitat in these patches consists of western sycamore, willows, Fremont cottonwoods, mule fat, and coast live oaks (*Quercus agrifolia*). Upstream development may provide some moisture to this drainage, but no surface water or saturation was visible during the survey season other than several puddles fed by a leaking water pipeline. Although areas near the dam did have surface water, they were outside the survey area. The approximate west end of survey area is at 458302E, 3734223N and the east end is at 458725E, 3734336N. These patches occur on lands mapped on the USGS 7.5 minute *Alberhill, Calif.* and *Lake Mathews, Calif.* quadrangles (Appendix A: Figures 1, 2C, and 3-5).

2.2 Survey Methodology

Focused surveys for LBV and SWF were conducted by John F. Green under the authority of USFWS Permit TE-054011-5 and Stephen J. Myers under the authority of USFWS Permit TE-804203-10. Nicole Kimball was a supervised individual during most surveys. A notification letter, dated 29 April 2014, was submitted to the USFWS prior to performing any surveys (Appendix C).

In accordance with the currently accepted survey protocol for the LBV (USFWS 2001), each site was surveyed eight times by AMEC biologists. The LBV protocol requires surveys to be conducted at least ten days apart between 10 April and 31 July. The SWF protocol requires five surveys; the first survey must be performed from 15 May to 31 May; the next two surveys from 1 June to 24 June; and the final two surveys between 25 June and 17 July. In addition, each survey should be at least five days apart (Sogge et al. 2010). The SWF surveys were performed concurrently with LBV surveys. Required SWF survey forms are provided in Appendix D. To cover all of the habitat along Phase 2, each full survey "visit" took two person days (Table 1). In Appendix A, the survey areas are illustrated on Figure 2 (USFWS required topographic maps) and Figure 3 (aerial photos).



Surveys consisted of slowly moving through the habitat, while listening for the songs and calls of the target species. During the SWF surveys, recordings of their vocalizations were broadcast as required by protocol. Wildlife species observed during the surveys were recorded in field notes (Appendix E).

Table 1. 2014 Survey Data*

Date	Observer	Time (PST)	Temp. (°F)	Wind (mph)	Sky (% cover)
Northwest Survey Area (Pasadena, Lake Street, Horsethief East, Horsethief West, and De Palma)					
11 April	JFG (portion)	0545-1000	63-80	2-6	5
11 April	SJM (portion)	0830-1000	76-85	0-3	10
21 April	SJM; NMK	0530-1020	59-80	0-8	0
01 May	JFG; NMK	0505-0905	55-83	0-8	40-50
15 May †	SJM; NMK	0520-0955	64-94	1-3	0
03 June †	SJM; NMK	0520-1000	59-86	0-8	0
20 June †	JFG; NMK	0430-0815	61-81	0-1	5-30
30 June †	JFG	0440-0855	68-77	0-2	25
16 July †	SJM; NMK	0520-1010	70-80	0-6	100-2
Campbell Ranch Survey Area (Campbell, Fire Station, Soapberry, Triplet, Basin, Mayhew, Yard, and					
	T		Truck Trail)	T	
14 April	JFG	0625-0925	66-81	0-6	0
24 April	JFG; NMK	0510-0915	55-70	2-6	10-25
05 May	SJM; NMK	0520-1025	56-73	0-6	0-70
16 May †	JFG; NMK	0445-0910	65-92	0-1	30-10
04 June †	SJM; NMK	0510-0950	50-85	0-5	0-20
16 June †	JFG; NMK	0430-0840	63-72	1-2	100-5
26 June †	SJM; NMK	0510-0945	57-75	0-3	60-80
14 July †	JFG; NMK	0440-0850	72-82	0-1	70-95

^{*} Notes: † LBV and SWF surveys conducted concurrently, unmarked surveys were for LBV only; JFG = John F. Green; NMK = Nicole M. Kimball; SJM = Stephen J. Myers; PST = Pacific Standard Time; °F = degrees Fahrenheit; mph = miles per hour; % = percent



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3.0 RESULTS

3.1 Habitat Description

The two survey areas (Northwest and Campbell Ranch) are all vegetated with plants typical of lowland riparian areas in southern California, including willows, mule fat, Fremont cottonwoods, and western sycamore, as described in Section 2.1.

3.2 Survey Results

A total of 110 (13 more than in 2013) bird species were detected during the 2014 Phase 2 riparian bird focused surveys. Among the most frequently detected species were the following birds that are typical of lowland riparian habitats in southern California: Mourning Dove (*Zenaida macroura*), Black-chinned Hummingbird (*Archilochus alexandri*), Nuttall's Woodpecker (*Picoides nuttallii*), Black Phoebe (*Sayornis nigricans*), Bushtit (*Psaltriparus minimus*), House Wren (*Troglodytes aedon*), Yellow Warbler (*Setophaga petechia*), Common Yellowthroat (*Geothlypis trichas*), Song Sparrow (*Melospiza melodia*), and Lesser Goldfinch (*Spinus psaltria*).

3.3 Least Bell's Vireo

LBV were detected in the Lake Street and Fire Station survey patches (Appendix A: Figures 3-2, 3-6, and 3-7). Only singing males were detected; breeding success was not determined, as breeding success was not part of the scope of these surveys. The singing male at the Fire Station patch was present from the first survey visit of the season through the 16 May visit, apparently on a breeding territory, but it was not found on any subsequent visits. The singing male at Lake Street was only detected on the 16 July visit, the final survey of the season. This individual was singing a weak, relatively quiet song, and was probably a dispersing adult or juvenile from occupied habitat away from the Lake Street patch, since no LBVs were detected there during the previous seven survey visits.

3.4 Southwestern Willow Flycatcher

No SWFs were detected at any of the 2014 survey areas/patches. However, other subspecies of Willow Flycatcher were detected at the following patches: Lake Street, between Horsethief East and Horsethief West, and approximately 250 feet north of the Indian Truck Trail patch closest to the dam (Appendix A: Figures 3-2, 3-3, and 3-5). Observations of Willow Flycatchers at each of these locations occurred only once, on 03 June at the Lake Street and Horsethief patches and on 04 June at the Indian Truck Trail patch. These are typical dates for migrant Willow Flycatchers. The species' absence during subsequent surveys indicated that the birds were migrants, presumably of more northerly subspecies.



I certify that the information in this survey report and attached exhibits fully and accurately represent my work.

John FM	21 August 2014
John F. Green	Date
Permit Number TE-054011-5	
Styl Jongs	21 August 2014
Stephen J. Myers	Date
Permit Number TE-804203-10	
My (all)	_21 August 2014
Nicole Kimball - Supervised Individual	Date



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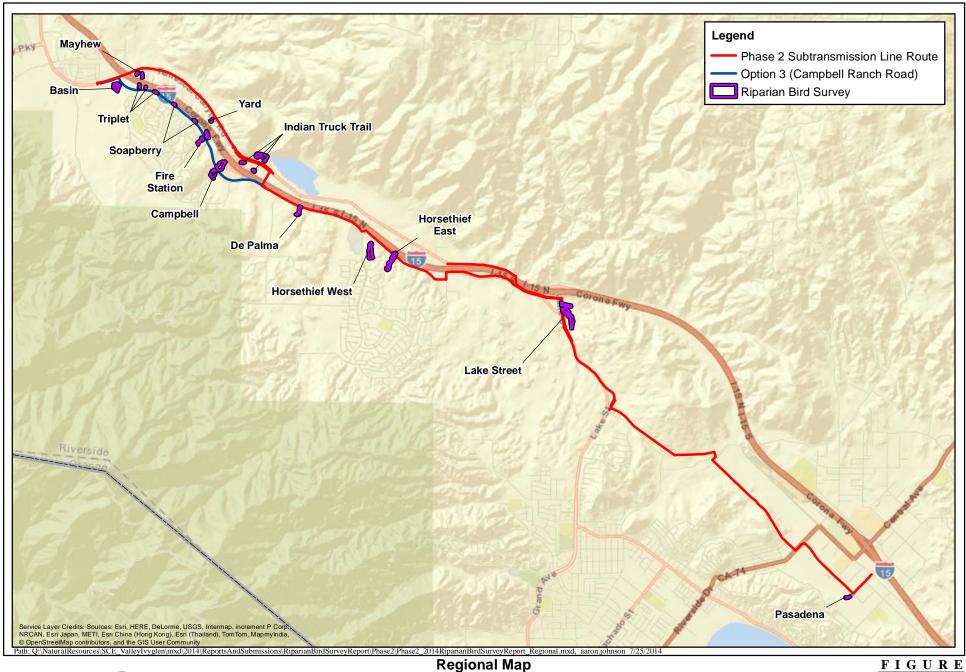
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APPENDIX A FIGURES

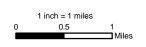


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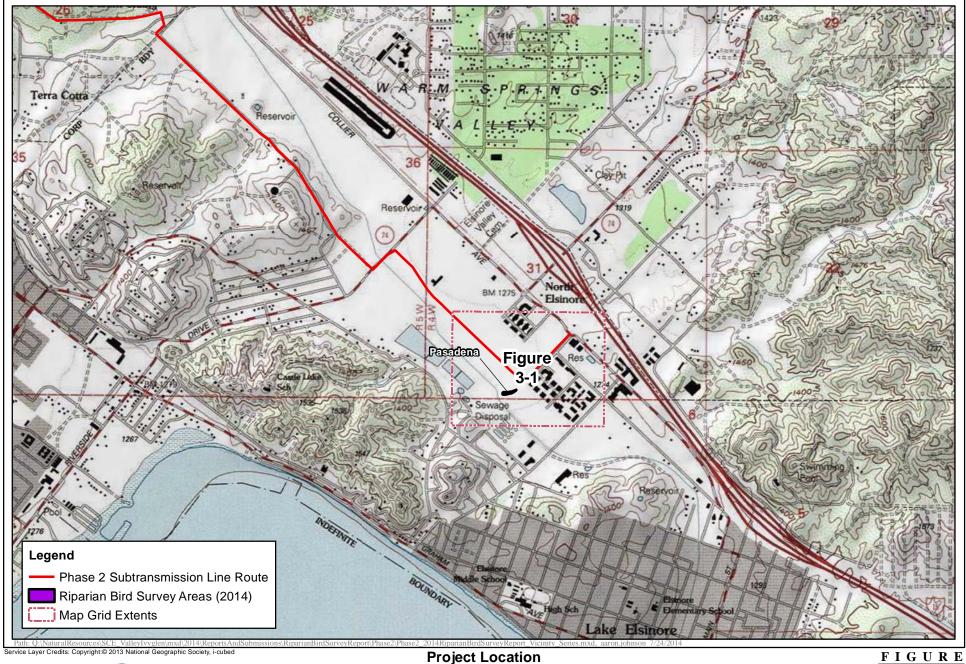


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Valley-Ivyglen Subtransmission Line Project: Phase 2
Riverside County, CA





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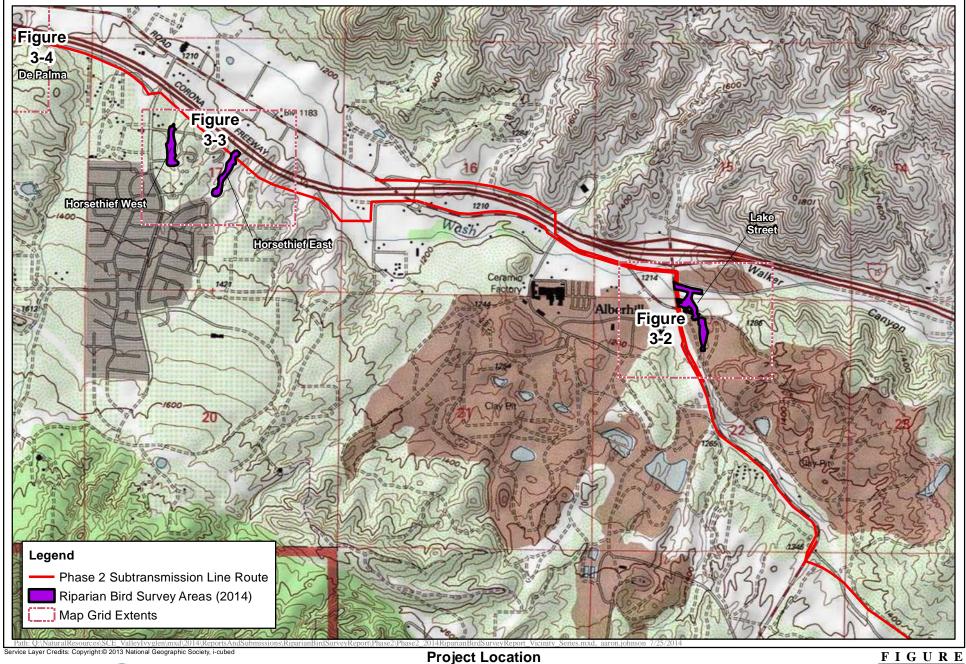


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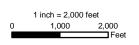


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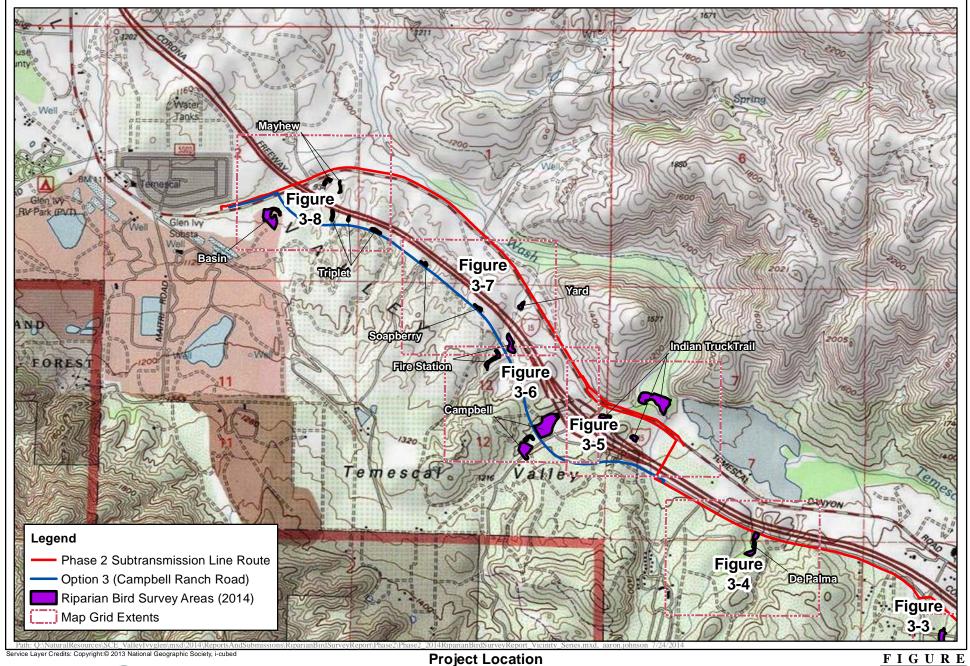


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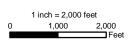


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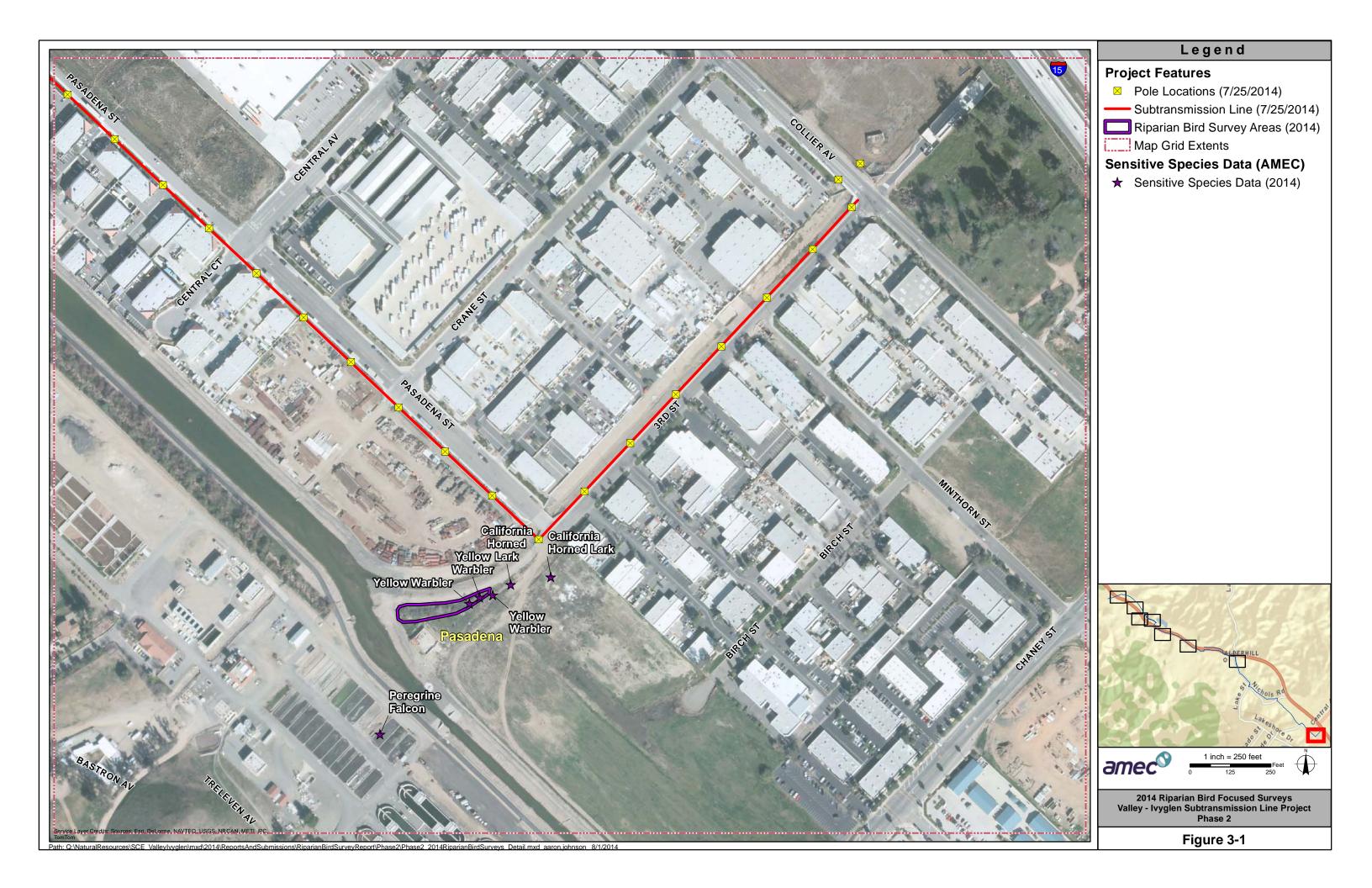


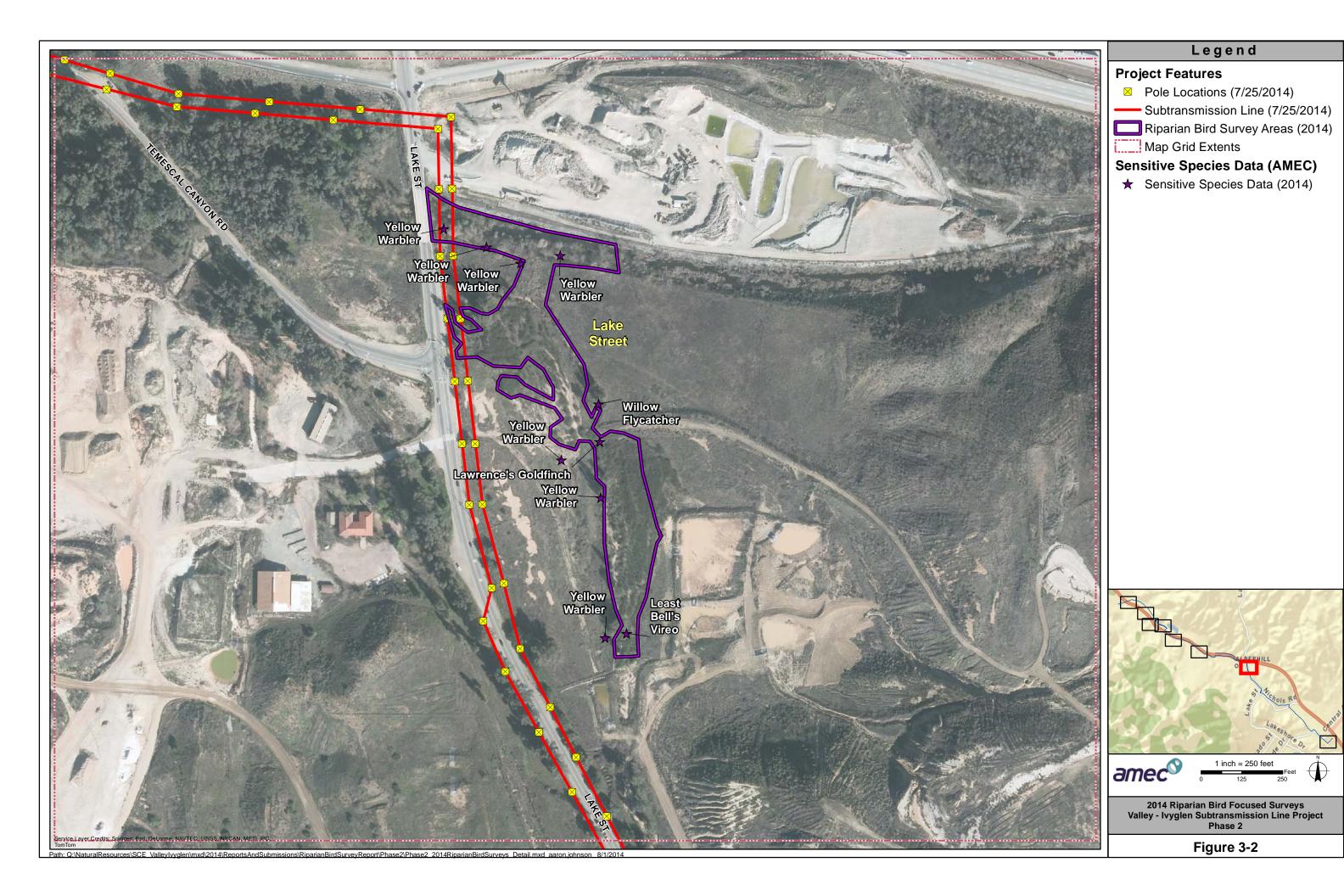
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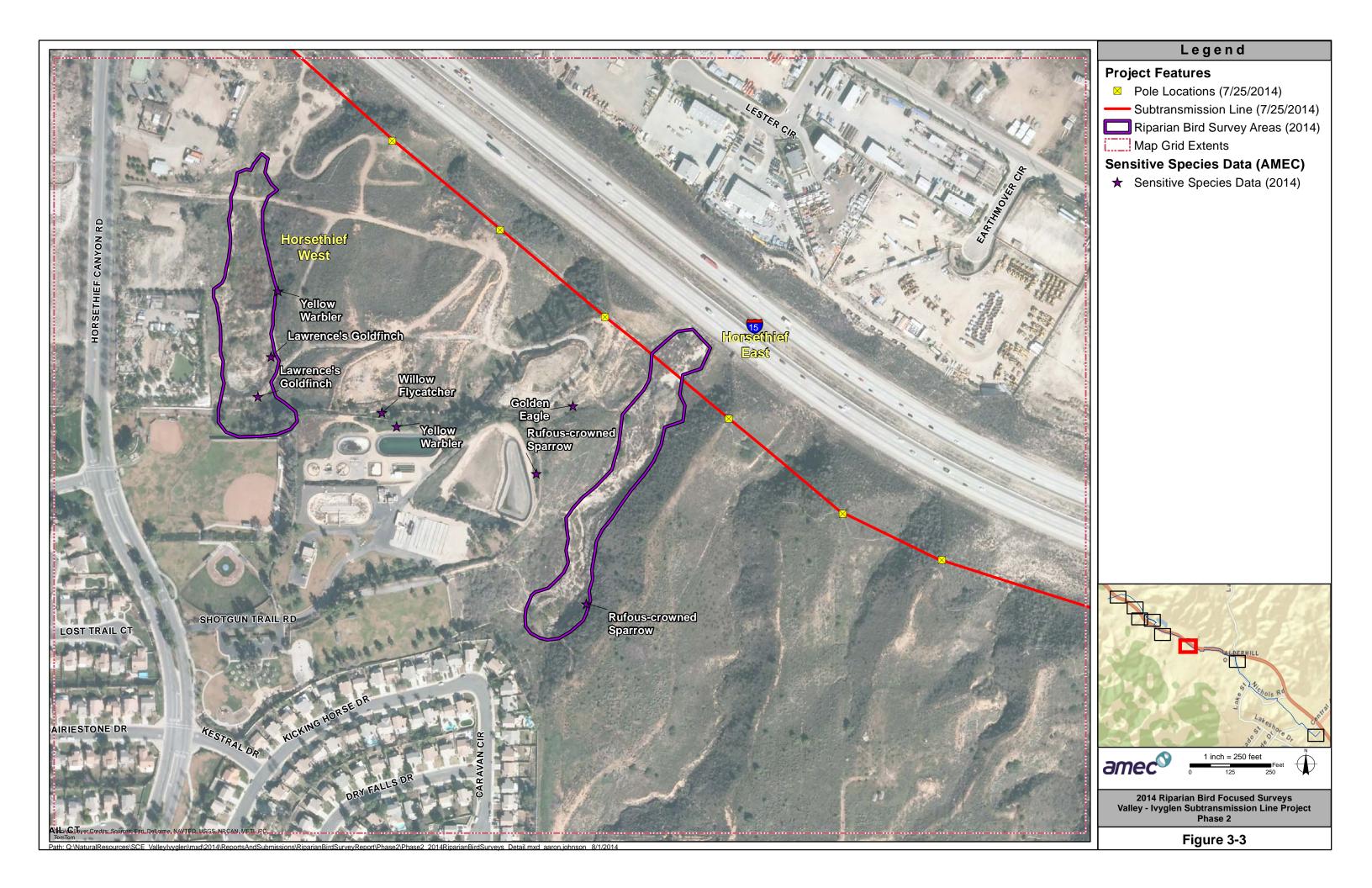


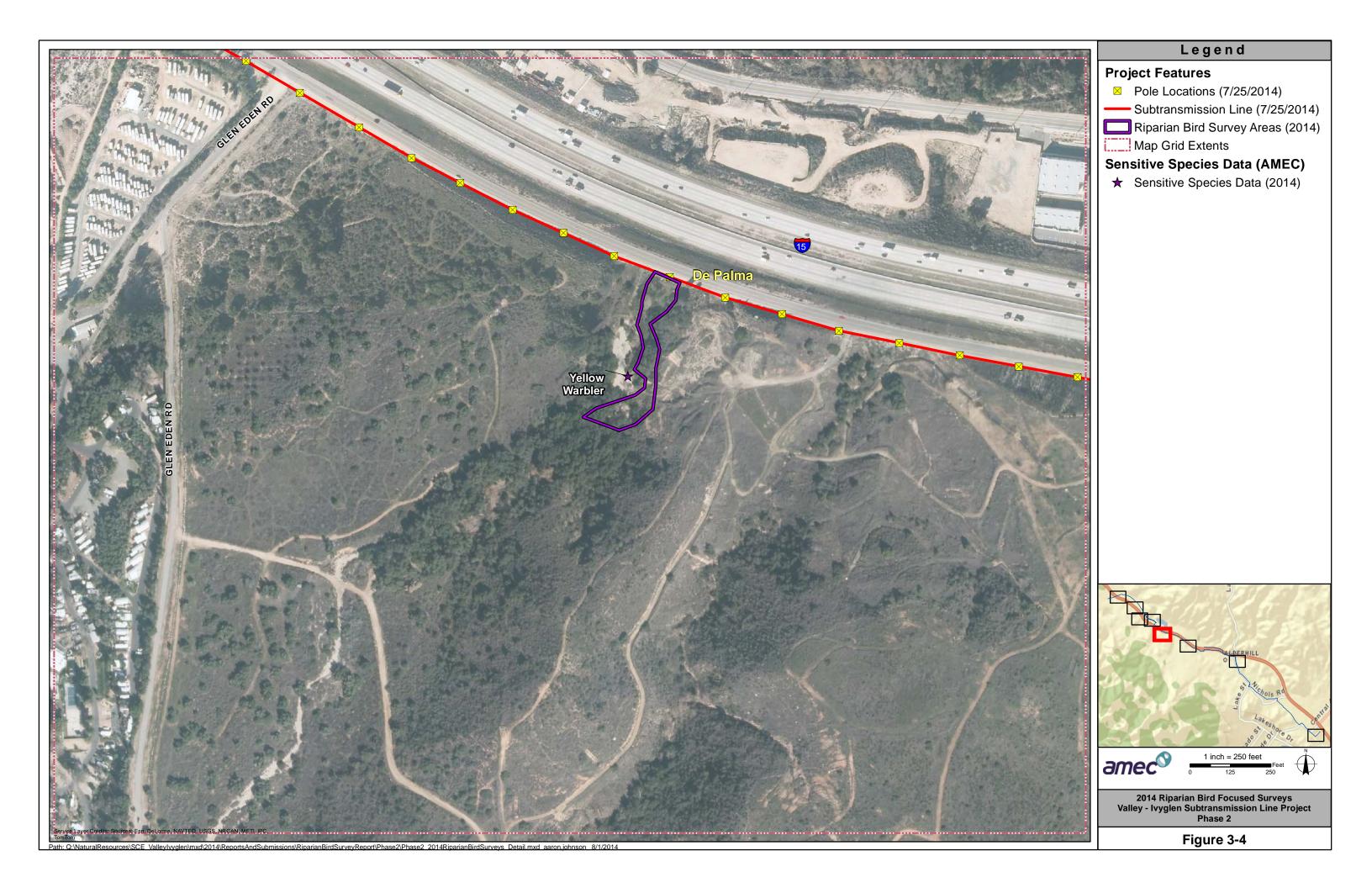


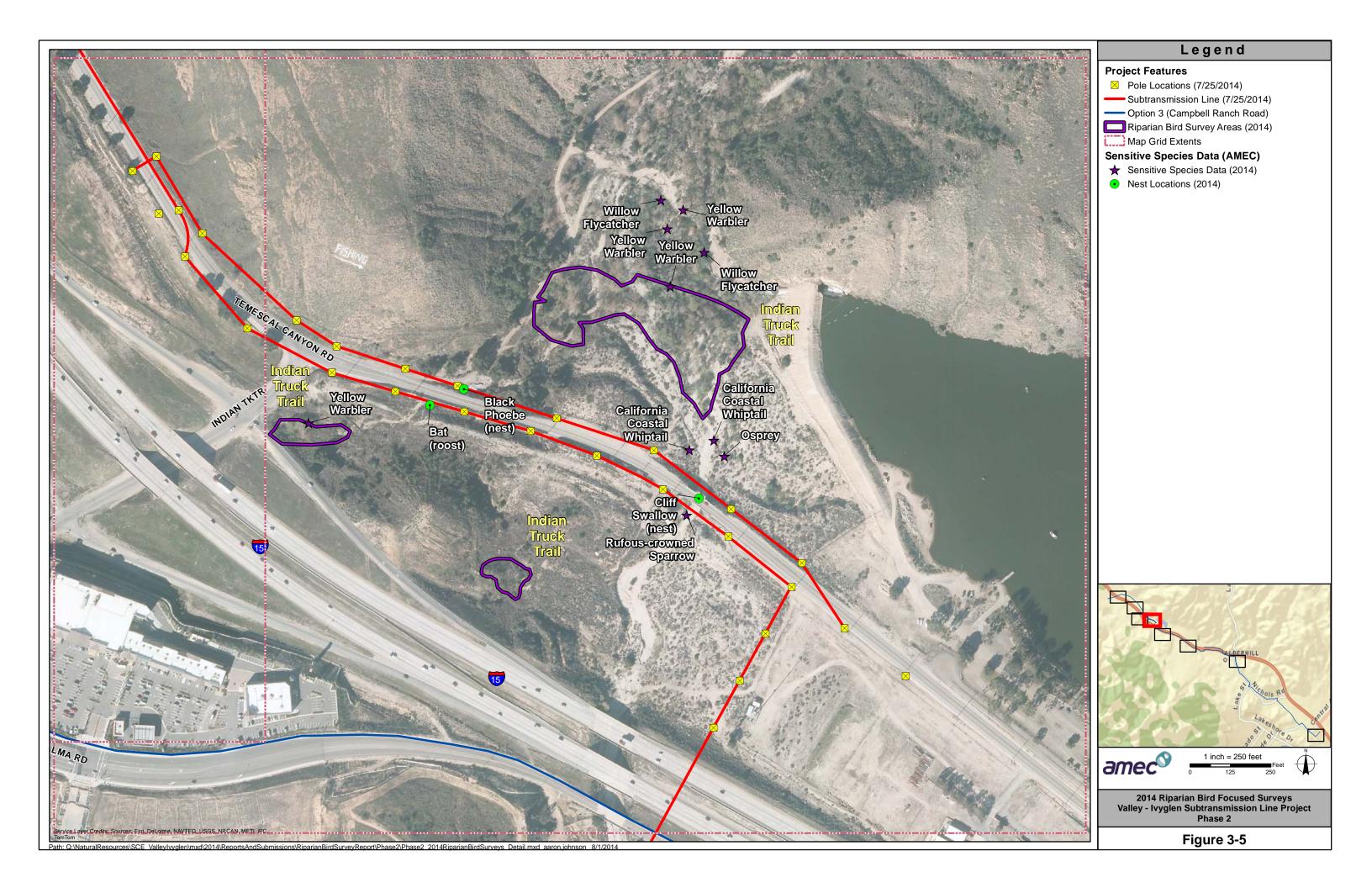
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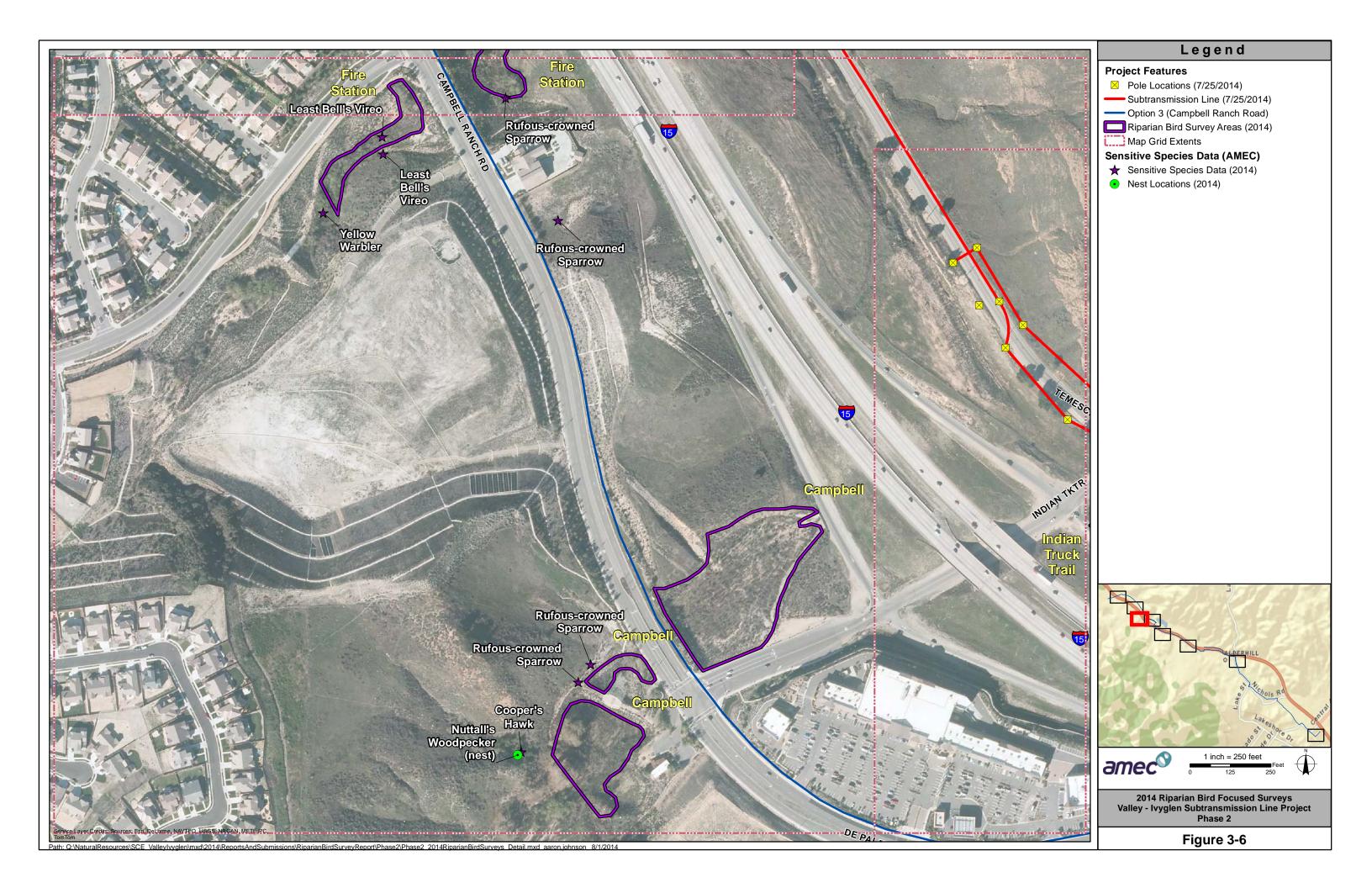


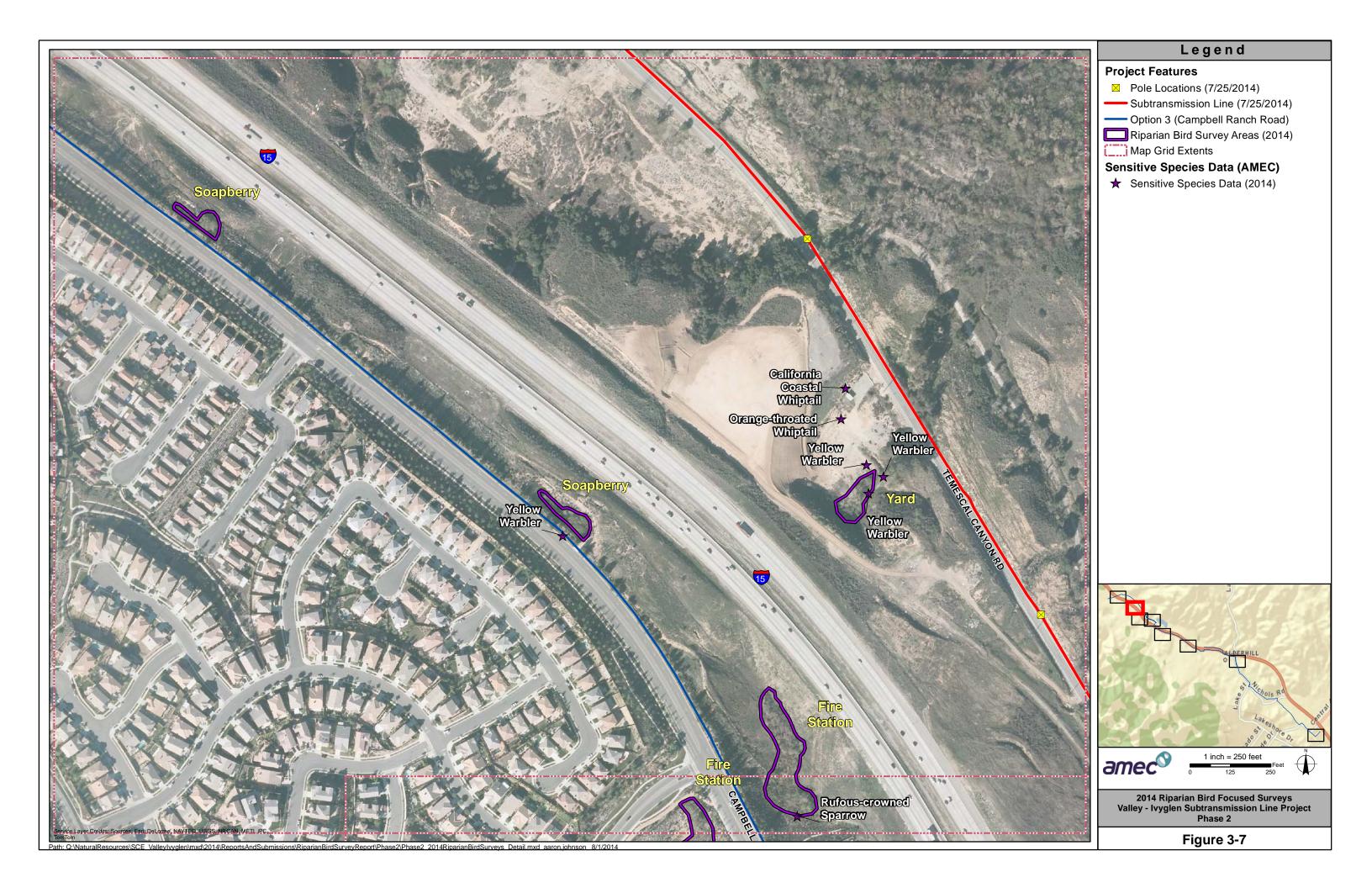


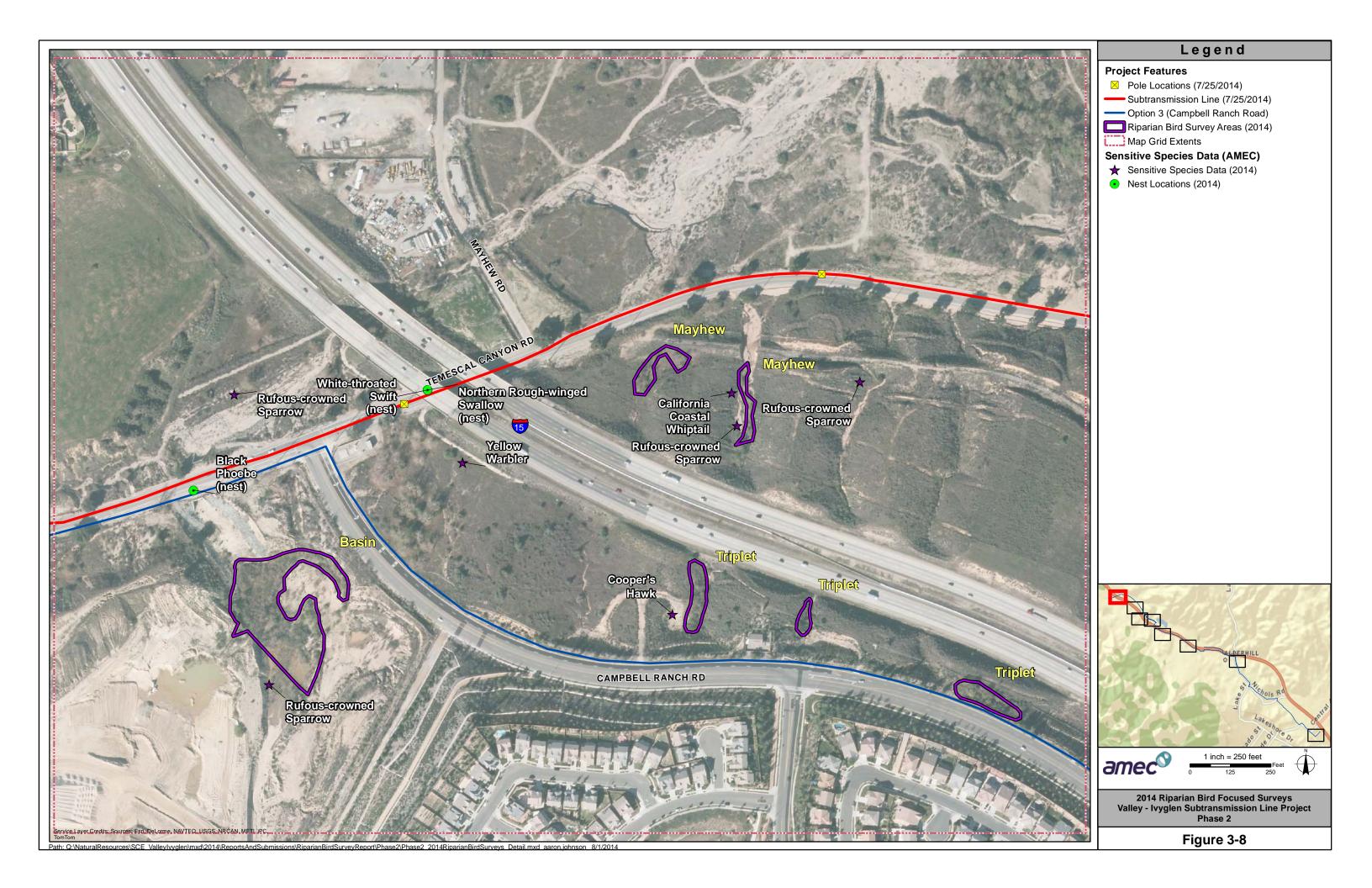












the Sacramento River between Red Bluff and Colusa, and along the South Fork Kern River near Weldon (Laymon 1998). Western Yellow-billed Cuckoo was listed as Endangered by the State of California in 1988.

Western Yellow-billed Cuckoos are long distance migrants and return to California from their South American wintering areas in late May and June. Occupied riparian forests are usually larger than 25 acres. Detection of Western Yellow-billed Cuckoos is difficult as they have large home ranges in dense willow and cottonwood forests and call infrequently. Recorded playback of the species' calls is the recommended method for conducting surveys.

2.0 METHODS

In accordance with the currently accepted survey protocol for the Least Bell's Vireo (USFWS 2001), the sites were surveyed at least eight times by AMEC Earth and Environmental (AMEC) ornithologists. The SWFL protocol requires five surveys, and that the first survey be performed between 15 May and 31 May, the second between 1 June and 21 June, and that three visits be conducted between 22 June and 17 July (Sogge et al. 1997). The LBV protocol requires at least eight surveys between 10 April and 31 July.

Three of the sites (Nichols Road area, Lake Street area, and Hostettler Road area) contained habitat suitable for the Western Yellow-billed Cuckoo, and were surveyed for that species. The survey methodology for the cuckoo requires a minimum of four visits at each site, with the surveys at least 12 days apart. The methodology specifies that one visit be conducted during each of these four periods: 10 to 30 June, 1 to 21 July, 22 July to 11 August, and 12 August to 2 September.

The surveys consisted of slowly moving through the habitat while listening for the songs and calls of the three target species. During the surveys performed for the SWFL, taped recordings of their vocalizations were broadcast, a method consistent with the protocol, and likewise for the Western Yellow-billed Cuckoo. The SWFL protocol requires that vocalizations be played every 20 to 30 meters through the habitat, and the WYBC protocol requires intervals of 100 meters. All bird species detected during the surveys were recorded in field notes.

Initially, it was determined that two biologist/mornings were required to cover the suitable habitat patches at Hostettler Road. However, during the first two surveys some unsuitable patches within the habitat were identified, and logistics were refined; thereafter, the area was covered in a single morning. SWFL surveys were performed by Chet McGaugh (federal Endangered Species Permit TE836517-5), Stephen J. Myers (TE804203-7), John F. Green (TE785148-7), and Mike San Miguel (TE831910-1). Tables 1 through 4 summarize the surveys.

Table 1. Survey Data for San Jacinto River Area

Date	Observer	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
18 April 2007	Stephen J. Myers	0705-1135	52-65	1-5	20-70
3 May 2007	Chet McGaugh	0625-1100	55-76	-	-
14 May 2007	Stephen J. Myers	0715-1135	60-78	0-3	0
24 May 2007†	Chet McGaugh	0620-1055	50-77	-	-
5 June 2007†	Chet McGaugh	0625-1110	66-74	-	-
22 June 2007†	Chet McGaugh	0635-1015	64-80	-	0
3 July 2007†	John F. Green	0550-0815	61-75	0-3	0
17 July 2007†	Stephen J. Myers	0700-1100	68-86	0-3	0

[†] SWF and LBV surveys conducted concurrently. Other surveys were for LBV only.

Table 2. Survey Data for Nichols Road Area

Date	Observer	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
19 April 2007	Stephen J. Myers	0730-1120	52-70	0-3	0-10
1 May 2007	Stephen J. Myers	0705-1110	60-72	0-2	100
11 May 2007	John F. Green	0705-1045	60-79	0-3	0
22 May 2007†	Chet McGaugh	0550-0900	58-62	0-4	100
1 June 2007†	Chet McGaugh	0620-0920	54-?	-	100
22 June 2007†‡	Stephen J. Myers	0700-1000	69-84	0	0
2 July 2007†	Chet McGaugh	0640-1050	54-80	0	0
13 July 2007†‡	Chet McGaugh	0555-1030	52-78	0	0
25 July 2007‡	Stephen J. Myers	0700-1015	74-88	0	0
21 Aug 2007‡	Chet McGaugh	0645-1005	75-87	0-3	0

[†] SWF and LBV surveys conducted concurrently. ‡Western Yellow-billed Cuckoo surveys also conducted on these days. Other surveys were for LBV only.

Table 3. Survey Data for Lake Street Area

Date	Observer	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
30 April 2007	Stephen J. Myers	0700-1120	59-74	0-3	100-60
10 May 2007	Chet McGaugh	0615-0915	50-78	0	0
21 May 2007†	Chet McGaugh	0635-0930	57-58	0	100
1 June 2007†	Stephen J. Myers	0640-1015	0640-1015 57-66		100-70
12 June 2007‡	Chet McGaugh	0610-0910	warm	0	0
25 June 2007‡†	Stephen J. Myers	0705-1020	64-74	0	0
5 July 2007†	Chet McGaugh	0640-1000	72-82	-	-
15 July 2007†	Mike San Miguel	0700-1000	67-82	0-2	0
24 July 2007‡	Chet McGaugh	0630-0915	66-78	0	0
23 Aug 2007	Chet McGaugh	0625-1000	69-82	0	0

[†] SWF and LBV surveys conducted concurrently. ‡Western Yellow-billed Cuckoo surveys also conducted on these days. Other surveys were for LBV only.

Table 4. Survey Data for Hostettler Road Area

Date	Observer	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
17 May 2007	Stephen J. Myers	0700-1115	57-73	0-4	100-0
18 May 2007*	John F. Green	0705-0910	57-63	0-3	100-0
20 May 2007*+	John F. Green	0045 0000	55.00	2.5	400.0
29 May 2007*†	Chet McGaugh	0615-0830	55-60	3-5	100-0
8 June 2007†	John F. Green	0545-0950	52-65	0-5	0
19 June 2007‡	Stephen J. Myers	0600-1050	58-81	0	0
29 June 2007†	Chet McGaugh	0620-1000	60-74	0	0
10 July 2007†	Stephen J. Myers	0520-0910	66-73	0	100
17 July 2007†	John F. Green	0635-0955	63-72	3-8	70-0
20 July 2007‡	Chet McGaugh	0630-1020	-	-	-
30 July 2007‡	Chet McGaugh	0650-1025	64-78	-	-
27 Aug 2007‡	Stephen J. Myers	0645-0950	70-84	0-1	0
17 July 2007†	John F. Green	0635-0955	63-72	3-8	70-0
20 July 2007‡	Chet McGaugh	0630-1020	-	-	-

^{*} During the first two surveys the area was surveyed over two survey days, but as logistics and habitat suitability were refined, it became possible to survey the area during a single morning. † SWF and LBV surveys conducted concurrently. ‡Western Yellow-billed Cuckoo surveys also conducted on these days. Other surveys were for LBV only.

3.0 RESULTS

3.1 Habitat Descriptions

3.1.1 San Jacinto River Area

In this area the transmission line route roughly parallels the San Jacinto River. The river banks are lined with lined with narrow strips of intermittent willows (*Salix* spp.), Mulefat (*Baccharis salicifolia*), and widely scattered Fremont Cottonwoods (*Populus fremontii*). The river contained surface water at the time of the surveys. In addition to the river, surveys were performed on a short tributary at the survey area's western end. This tributary is lined with fairly dense willow scrub and woodland, and contained surface water.

3.1.2 Nichols Road Area

Both north and south of Nichols Road, Temescal Wash contains willow dominated riparian woodland and scrub, along with alkaline marsh habitat. The stream flowed through this area during the entire survey period.

3.1.3 Lake Street Area

Temescal Wash in the area of Lake Street is lined with a mixture of native and nonnative vegetation. Gum trees (*Eucalyptus* spp.) are dominant, with intermittent thickets of willows and scattered Fremont Cottonwoods. Surface water appeared to be perennial in this area.

3.1.4 Hostettler Road Area

This area is along Temescal Wash, and is down stream and nearly contiguous with the Lake Street area. Some Eucalyptus occurs, but most of the vegetation is native willows, cottonwoods, and Coast Live Oaks (*Quercus agrifolia*). The creek was flowing throughout the survey period.

3.2 Survey Results

At all sites combined, 125 bird species were detected. Among the most frequently detected species were the following birds that are typical of lowland riparian habitats in southern California: Mourning Dove (*Zenaida macroura*), Black-chinned Hummingbird (*Archilochus alexandri*), Nuttall's Woodpecker (*Picoides nuttallii*), Black Phoebe (*Sayornis nigricans*), Bushtit (*Psaltriparus minimus*), House Wren (*Troglodytes aedon*), Yellow Warbler (*Dendroica petechia*), Common Yellowthroat (*Geothlypis trichas*), Song Sparrow (*Melospiza melodia*), and Lesser Goldfinch (*Carduelis psaltria*). A few, non-sensitive species of interest were found, including several nesting pairs of Purple Finches (*Carpodacus purpurascens*, uncommon in lowland riparian habitats), one pair of Mountain Chickadees (*Poecile gambeli*, uncommon away from coniferous forests), and a singing male Summer Tanager (*Piranga rubra*, uncommon in summer in cismontane southern California).

3.2.1 Southwestern Willow Flycatcher

No Southwestern Willow Flycatchers were detected at any of the survey areas. On 17 and 18 May, four Willow Flycatchers were observed and heard in the Hostettler Road survey area.

On 14 May, a Willow Flycatcher was found at the San Jacinto River survey area. These dates coincide with the peak period of spring migration of the species in southern California, and the birds were not found on subsequent surveys. Therefore, AMEC concludes that these birds were migrants of a more northerly subspecies, and not Southwestern Willow Flycatchers.

3.2.2 Least Bell's Vireo

A singing Least Bell's Vireo was detected at the San Jacinto River survey area on 3 May, and remained throughout the survey period. A female was not observed, and it may have been a territorial, unmated male. The territory was along the tributary at the west end of the survey area (refer to Figure 2).

At Hostettler Road, a singing Least Bell's Vireo was found on 17 July, but was not present before or after that date (refer to Figure 5). Two observations were made during the morning's survey, most likely of the same bird. Presumably, this bird dispersed from either up stream or down stream, and may have been an unmated male.

No Least Bell's Vireos were detected at Nichols Road or Lake Street.

3.2.3 Western Yellow-billed Cuckoo

No Western Yellow-billed Cuckoos were detected at any of the survey areas.

3.2.4 Critical Habitat

The project area is not within designated Critical Habitat for either the Least Bell's Vireo or Southwestern Willow Flycatcher.

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Appendix A Bird Species List

Appendix A Bird Species List

This list includes all species of birds detected during focused surveys conducted in spring-summer 2007. Nomenclature and taxonomy follows the American Ornithologists' Union (1998), and supplements through 2006.

Family	Common Name	Scientific Name
	Wood Duck	(Aix sponsa)
	Gadwall	(Anas strepera)
Anatidae - Ducks, Geese, and Swans	Mallard	(Anas platyrhynchos)
	Cinnamon Teal	(Anas cyanoptera)
	Green-winged Teal	(Anas crecca)
Odontophoridae – New World Quail	California Quai	(Callipepla californica)
Podicipedidae – Grebes	Pied-billed Grebe	(Podilymbus podiceps)
Phalacrocoracidae - Cormorants	Double-crested Cormorant	(Phalacrocorax auritus)
	Great Blue Heron	(Ardea herodias)
	Great Egret	(Ardea alba)
Ardeidae - Herons and Bitterns	Snowy Egret	(Egretta thula)
	Green Heron	(Butorides virescens)
	Black-crowned Night-Heron	(Nycticorax nycticorax)
Cathartidae - Vultures	Turkey Vulture	(Cathartes aura)
	Sharp-shinned Hawk	(Accipiter striatus)
Acciptridae - Hawks, Kites, and allies	Cooper's Hawk	(Accipiter cooperii)
Accipilidae - Hawks, Kites, and allies	Red-shouldered Hawk	(Buteo lineatus)
	Red-tailed Hawk	(Buteo jamaicensis)
Falconidae - Falcons and Caracaras	American Kestrel	(Falco sparverius)
	Virginia Rail	(Rallus limicola)
Rallidae - Rails, Gallinules, and Coots	Sora	(Porzana carolina)
	American Coot	(Fulica americana)
Charadriidae - Plovers and allies	Killdeer	(Charadrius vociferous)
Recurvirostridae – Stilts and Avocets	Black-necked Stilt	(Himantopus mexicanus)
Recuivilostitude – Stills dilu Avolets	American Avocet	(Recurvirostra americana)
	Solitary Sandpiper	(Tringa solitaria)
Scolopacidae – Sandpipers and		(Calidria maine stilla)
Scolopacidae – Sandpipers and	Least Sandpiper	(Calidris minutilla)
Scolopacidae – Sandpipers and Phalaropes	Least Sandpiper Long-billed Dowitcher	(Limnodromus scolopaceus)
		, ,

Family	Common Name	Scientific Name
	Rock Pigeon	(Columba livia) – Nonnative
Columbidae Digeone and Doyce	Eurasian Collared-Dove	(Streptopelia decaocto) - Nonnative
Columbidae - Pigeons and Doves	Mourning Dove	(Zenaida macroura)
	Common Ground-Dove	(Columbina passerine)
Cuculidae – Cuckoos	Greater Roadrunner	(Geococcyx californianus)
Anadidaa Cuiffa	White-throated Swift	(Aeronautes saxatalis)
Apodidae - Swifts	Vaux's Swift	(Chaetura vauxi)
	Black-chinned Hummingbird	(Archilochus alexandri)
To abilide a Housestanbinda	Anna's Hummingbird	(Calypte anna)
Trochilidae - Hummingbirds	Costa's Hummingbird	(Calypte costae)
	Allen's Hummingbird	(Selasphorus sasin)
Alcedinadae – Kingfishers	Belted Kingfisher	(Ceryle alcyon)
	Nuttall's Woodpecker	(Picoides nuttallii)
Picidae - Woodpeckers	Downy Woodpecker	(Picoides pubsecens)
	Northern Flicker	(Colaptes auratus)
	Western Wood-Pewee	(Contopus sordidulus)
	Willow Flycatcher	(Empidonax traillii)
	Hammond's Flycatcher	(Empidonax hammondii)
	Pacific-slope Flycatcher	(Empidonax difficilis)
Tyrannidae - Tyrant Flycatchers	Black Phoebe	(Sayornis nigricans)
	Say's Phoebe	(Sayornis saya)
	Ash-throated Flycatcher	(Myiarchus cinerascens)
	Cassin's Kingbird	(Tyrannus vociferans)
	Western Kingbird	(Tyrannus verticalis)
Laniidae – Shrikes	Loggerhead Shrike	(Lanius Iudovicianus)
	Least Bell's Vireo	(Vireo bellii pusillus)
Vireonidae - Vireos	Cassin's Vireo	(Vireo cassinii)
	Warbling Vireo	(Vireo gilvus)
	Western Scrub-Jay	(Aphelocoma californica)
Corvidae - Jays, Crows, and allies	American Crow	(Corvus brachyrhynchos)
	Common Raven	(Corvus corax)
Hirundinidae - Swallows	Purple Martin	(Progne subis)
	Tree Swallow	(Tachycineta bicolor)
	Violet-green Swallow	(Tachycineta thalassina)
	Northern Rough-winged Swallow	(Stelgidopteryx serripennis)
	Cliff Swallow	(Petrochelidon pyrrhonota)

Family	Common Name	Scientific Name
	Barn Swallow	(Hirundo rustica)
Davidas Titusias and Chickedass	Mountain Chickadee	(Poecile gambeli)
Paridae – Titmice and Chickadees	Oak Titmouse	(Baeolophus inornatus)
Aegithalidae - Bushtits	Bushtit	(Psaltriparus minimus)
Sittidae – Nuthatches	White-breasted Nuthatch	(Sitta carolinensis)
	Bewick's Wren	(Thryomanes bewickii)
Troglodytidae - Wrens	House Wren	(Troglodytes aedon)
	Marsh Wren	(Cistothorus palustris)
Sylviidae – Old World Warblers and	Blue-gray Gnatcatcher	(Polioptila caerulea)
Gnatcatchers	California Gnatcatcher	(Polioptila californica)
Totalista Thomas	Swainson's Thrush	(Catharus ustulatus)
Turdidae - Thrushes	American Robin	(Turdus migratorius)
Timaliidae – Babblers	Wrentit	(Chamaea fasciata)
Missister Marchingh and Thursday	Northern Mockingbird	(Mimus polyglottos)
Mimidae – Mockingbirds and Thrashers	California Thrasher	(Toxostoma redivivum)
Sturnidae - Starlings and Mynas	European Starling	(Sturnus vulgaris) - Nonnative
Motacillidae – Wagtails and Pipits	American Pipit	(Anthus rubescens)
Ptilogonatidae - Silky-Flycatchers	Phainopepla	(Phainopepla nitens)
	Orange-crowned Warbler	(Vermivora celata)
	Nashville Warbler	(Vermivora ruficapilla)
	Yellow Warbler	(Dendroica petechia)
	Black-throated Gray Warbler	(Dendroica nigrescens)
	Townsend's Warbler	(Dendroica townsendi)
Parulidae - Warblers	Hermit Warbler	(Dendroica occidentalis)
	MacGillivray's Warbler	(Oporornis tolmiei)
	Common Yellowthroat	(Geothlypis trichas)
	Wilson's Warbler	(Wilsonia pusilla)
	Yellow-breasted Chat	(Icteria virens)
	Summer Tanager	(Piranga rubra)
Thraupidae – Tanagers	Western Tanager	(Piranga ludoviciana)
Emberizidae - Towhees and Sparrows	Spotted Towhee	(Pipilo maculatus)
	California Towhee	(Pipilo crissalis)
	Southern California Rufous- crowned Sparrow	(Aimophila ruficeps canescens)
	Chipping Sparrow	(Spizella passerine)
	Brewer's Sparrow	(Spizella breweri)
	Vesper Sparrow	(Pooecetes gramineus)

Family	Common Name	Scientific Name
	Lark Sparrow	(Chondestes grammacus)
	Bell's Sage Sparrow	(Amphispiza belli belli)
	Savannah Sparrow	(Passerculus sandwichensis)
	Fox Sparrow	(Passerella iliaca)
	Song Sparrow	(Melospiza melodia)
	Lincoln's Sparrow	(Melospiza lincolnii)
	White-crowned Sparrow	(Zonotrichia leucophrys)
	Golden-crowned Sparrow	(Zonotrichia atricapilla)
	Black-headed Grosbeak	(Pheucticus melanocephalus)
Cardinalidae - Cardinals, Grosbeaks, Buntings	Blue Grosbeak	(Passerina caerulea)
9	Lazuli Bunting	(Passerina amoena)
	Red-winged Blackbird	(Agelaius phoeniceus)
	Western Meadowlark	(Sturnella neglecta)
	Brewer's Blackbird	(Euphagus cyanocephalus)
Icteridae - Blackbirds, Cowbirds, Grackles, Orioles	Great-tailed Grackle	(Quiscalus mexicanus)
	Brown-headed Cowbird	(Molothrus ater)
	Hooded Oriole	(Icterus cucullatus)
	Bullock's Oriole	(Icterus bullockii)
	Purple Finch	(Carpodacus purpurascens)
	House Finch	(Carpodacus mexicanus)
Fringillidae - Finches and allies	Lesser Goldfinch	(Carduelis psaltria)
	Lawrence's Goldfinch	(Carduelis lawrencei)
	American Goldfinch	(Carduelis tristis)
Passeridae - Old World Sparrows	House Sparrow	(Passer domesticus) – Nonnative

Appendix B SWF Survey Forms

Willow Flycatcher Survey and Detection Form (revised April, 2004)

Site Name SCE Va USGS Quad Name 7.5	lley - Ivyglen - S Romoland & La	an Jacinto Rivers ke Elsinore Elevation	tate CA County _ ~ 1400	Riverside feet meters	s (circle one)
Is copy of USGS	map marked with surve	ey area and WIFL sighti	ngs attached (as req	uired)? 🗹 Yes 🗆	□ No
Site Coordinates: Start: Stop:	N <u>3733600</u> N <u>3732800</u>	<u>Е 477600</u> Е 476300	UTM Datu UTM	mNAD 27(NAD27 pres Zone 11	ferred)

** Fill in additional site information on back of this page **

Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found ? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign, If Yes, Describe Y or N	Comments about this survey (e.g., bird behavior, evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
1 Chet McGaugh	Date 24 May 07 Start 0620 Stop 1055 Total hrs 4.5	0	0	0	N	Y	N	
2 <u>Chet</u> McGaugh	Date 5 June 07 Start 0625 Stop 1110 Total hrs 4.75	0	0	0	\sim	N	N	
3 Chet McGaugh	Date 22 June 07 Start 063 5 Stop 1015 Total hrs 3.75	0	0	0	N	Y	N	
4 John F. Green	Date 3 July 07 Start 0 550 Stop 0815 Total hrs 2.5	0	0		>	Y	N	
5 Stephen J. Myers	Date 17 July Start0700 Stop 1100 Total hrs 4	D	0	0	N	Y	Ν	
Overall Site Sur		Adults	Pairs	Territories	Nests	Were any W	TFLs color-banded?	Yes No NA
(Total resident WIFLs only) Total survey hrs 18,5		0	0	0	0	If yes, report of form	t color combination(s	s) in the comments section on back

Reporting Individual	Stephen	J. Myers	Date Report Completed 7 Dec 2007
US Fish and Wildlife	Service Permit #	TE804203-7	AZ Game and Fish Department (or other state) Permit #

Submit original form by August 1st. Retain a copy for your records.

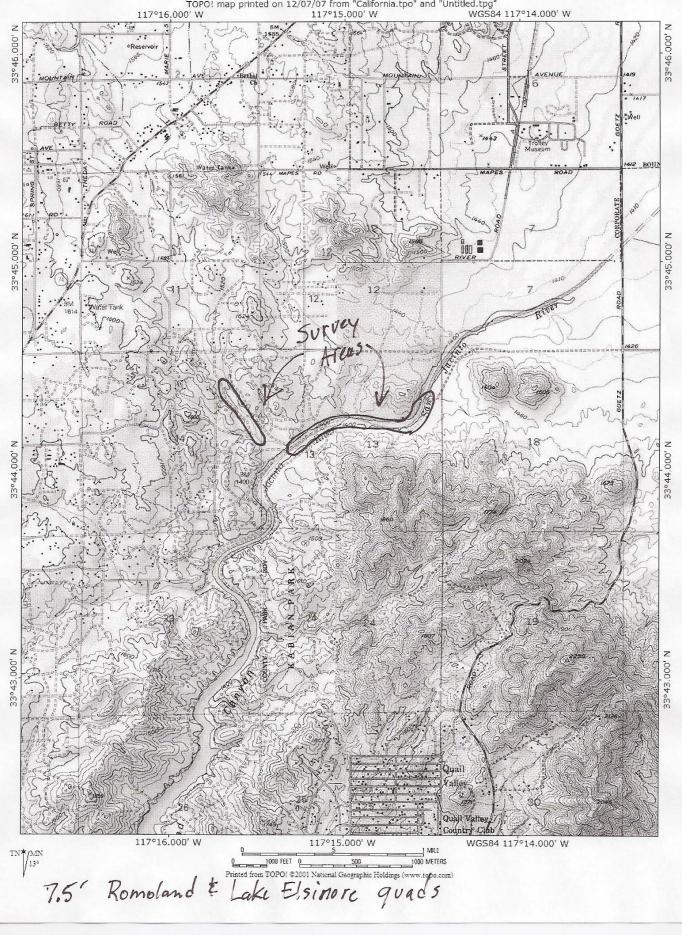
Fill in the following information completely. <u>Submit original form by August 1</u>st. Retain a copy for your records.

Reporting Individu Affiliation AME	al Stephen J	nviromental	I	Phone # 951 30 E-mail stephen	1. myers & amec. con ied 7 Dec 07
Site Name SCE	Valley-Ivyglen	- San Jaci	nto River	Date Report Comple	ted 7 Dec 07
If name is different If site was surveye	t, what name(s) was us d last year, did you sur	ed in the past? vey the same gen-	eral area this year? Yes his site this year? Yes /	No If no, summar	ize in comments below. NA
Management Auth Name of Managem	ority for Survey Area (ent Entity or Owner (e	(circle one): e.g., Tonto Nation	Federal Municipal		Tribal Private
Length of area surv	veyed: $\sim 1.1 \text{mi}$, (s	specify units, e.g.,	miles = mi, kilometers =	km, meters = m)	
Vegetation Charac	teristics: Overall, are t	he species in tree/	shrub layer at this site cor	mprised predominant	ly of (check one):
Native broa	adleaf plants (entirely o	or almost entirely,	includes high-elevation v	villow)	
Mixed nation	ve and exotic plants (m	nostly native)			
Mixed nativ	ve and exotic plants (m	nostly exotic)			
Tr	oduced plants (entirely				
				8 6	ccharis salicifolia
Average height of	canopy (Do not put a r	ange): 25 +	4.	(specify units)	
Was surface water Distance from the	or saturated soil presentite to surface water or	nt at or adjacent to saturated soil:	o site? Yes No (circle (specify un	e one) its)	
	onditions change signi comments section belo		sits (did the site flood or c	lry out)? Yes No	(circle one)
of WIFL detections patch, and location NOT substitute for	. Also include a sketch of any willow flycatche	or aerial photogra ers or willow flyca ad map. Please ind	ph showing details of site tcher nests detected. Such	location, patch shape, sketches or photogra	he survey site and location , survey route in relation to phs are welcomed, but DO or of the patch, and overall
Comments (attach	additional sheets if ned	essary) Hermitlent i	in July.		
					-
WIFL Detection Lo	ocations:				
Date Detected	N UTM	E UTM	Date Detected	N UTM	E UTM
SE.					

SCE Valley-Ivyglen: San Jacinto River Area

TOPO! map printed on 12/07/07 from "California.tpo" and "Untitled.tpg"

117°16.000' W WGS84 117°14.000' W



Willow Flycatcher Survey and Detection Form (revised April, 2004)

Site Name SCE Valle	y-Ivyglen - Ni	chols Road	State CA County K	
USGS Quad Name 7.	s' Lake Elsinoi	Elevation Elevation	on ~ 1300	feet) meters (circle one)
Is copy of USGS	S map marked with surv	vey area and WIFL sigh	atings attached (as requ	ired)? Yes 🗌 No
Site Coordinates: Start:	N 3730700	E 466 400	UTM Datum	MAD 27 (NAD27 preferred)
Stop:	N 3729200	E 466800	UTM	Zone
	** Fill in addition	nal site information	n on back of this pag	ge **

	I in in additional site information on back of this page							
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found ? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign, If Yes, Describe Y or N	Comments about this survey (e.g., bird behavior, evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
1 Chet Mc Ga vgh	Date 22 May of Start 0550 Stop 0900 Total hrs3,25	D	0	0	N	Y	N	
2 Chet McGavsh	Date June 07 Start 0620 Stop 0920 Total hrs 3	0	0	0	N	Y	N	
3 Stephen J. Myers	Date 22 June 07 Start 0700 Stop 1000 Total hrs 3	0	0	0	\sim	Y	N	
4 Chet McGaugh	Date 2 July 07 Start 0640 Stop 1050 Total hrs 4	0	0	0	Ν	Y	N	
5 Chet McGaugh	Date 13 July 07 Start 0555 Stop 1030 Total hrs 4.5	0	0	0	N	Y	N	
Overall Site Su	mmary	Adults	Pairs	Territories	Nests	Were any W	TFLs color-banded?	Yes No
(Total resident WI		0	O	0	0	If yes, report color combination(s) in the comments section on bac of form		s) in the comments section on back

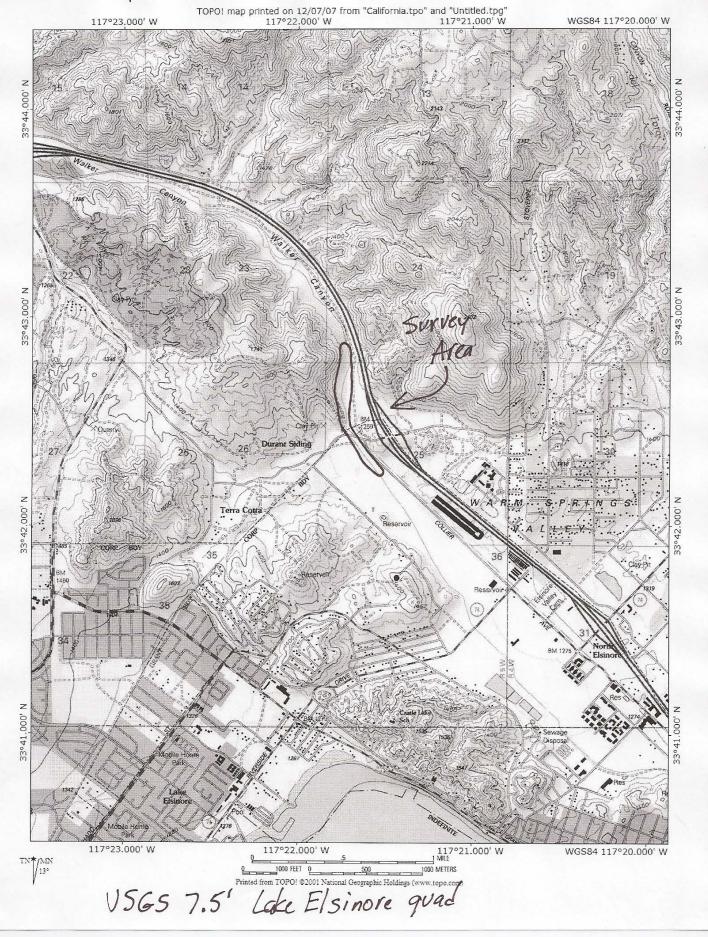
Reporting Individual Stephen J. Myers	Date Report Completed 7 Dec 07	
Reporting individual Stephen 1, 1999	Date Report Completed 1 000 1	
US Fish and Wildlife Service Permit # TF, 804203 -7 AZ Game	and Fish Department (or other state) Permit #	-

Submit original form by August 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit original</u> form by August 1st. Retain a copy for your records.

Reporting Individual Affiliation AMEC Site Name	Stephen J C Earth & B	. Myers nvironmenta	P. E. C.	hone # 95/36 -mail stephen . j. m Date Report Completed	9-8060 nyers @ amec.com 7 Dec 2007
If name is different, w	hat name(s) was use ast year, did you surv	d in the past? ey the same general	area this year? Yes /		in comments below. N/A in comments below.
Management Authorit Name of Management	ty for Survey Area (c t Entity or Owner (e.		Federal Municipal/Oprest)		oal Private
Length of area survey	ed: <u>~ 0.9 mi.</u> (sp	pecify units, e.g., mil	es = mi, kilometers = k	km, meters = m)	
Vegetation Characteri	stics: Overall, are the	e species in tree/shru	b layer at this site com	prised predominantly	of (check one):
Native broadle	eaf plants (entirely or	almost entirely, incl	udes high-elevation w	illow)	
Mixed native a	and exotic plants (mo	ostly native)		980	
Mixed native a	and exotic plants (mo	ostly exotic)			
Exotic/introdu	ced plants (entirely o	or almost entirely)			
Identify the 2-3 predo	minant tree/shrub spe	ecies: Salix la	evigata , Sali	x lasiolepis, Bi	acharis salicifolia
Average height of can	opy (Do not put a rai	nge): 30 F	4.	_(specify units)	
Was surface water or Distance from the site	saturated soil present to surface water or s	at or adjacent to site aturated soil:	e? Yes/ No (circle specify unit	one) ts)	
Did hydrological cond If yes, describe in con			did the site flood or dr	ry out)? Yes/No ((circle one)
of WIFL detections. A patch, and location of a	Also include a sketch o any willow flycatcher required USGS quad	or aerial photograph s s or willow flycatche d map. Please includ	howing details of site lor r nests detected. Such s	ocation, patch shape, su sketches or photographs	survey site and location arvey route in relation to s are welcomed, but DO of the patch, and overall
Comments (attach add	litional sheets if nece	ssary)			
WIFL Detection Loca	tions:				
Date Detected	N UTM	E UTM	Date Detected	N UTM	E UTM
			1		

SCE Valley-Ivyglen: Nichols Road Area



Willow Flycatcher Survey and Detection Form (revised April, 2004)

Site Name SCE Valley USGS Quad Name 7.5	-Inglen - Lake: 'Alberhill		CA County F	rivers ide (circle one)
Is copy of USGS	map marked with surve	y area and WIFL sightings at	ttached (as requir	ed)? Ves No
Site Coordinates: Start: Stop:	N 3732000 N 3732300	E 463600 E 467700	UTM Datum <u>M</u> UTM	Zone // (NAD27 preferred)

** Fill in additional site information on back of this page **

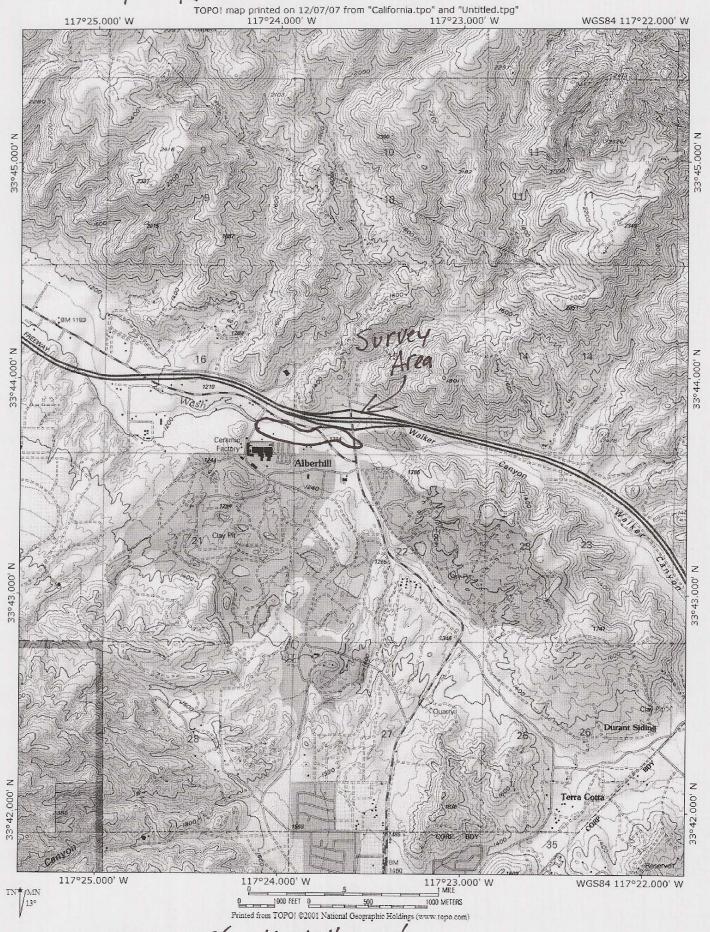
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found ? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign, If Yes, Describe Y or N	Comments about this survey (e.g., bird behavior, evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
1 Chet McGaugh	Date 21 May 07 Start 0635 Stop 0930 Total hrs 3	0	0	0	N	Y	N	uncats)
2 Stephen J. Myers	Date June 07 Start 0640 Stop 1015 Total hrs 3.5	0	0	0	N	Y	N	
3 Stephen NJ. Myers	Date 25 June Start 6705 Stop 1020 Total hrs 3.25	0	σ	0	N	Y	N	
4 Chet Mc Gaugh	Date 5 Jv ly Start 0640 Stop 1000 Total hrs 3.5	0	0	0	N	N	N	
5 Mike San Migrel	Date 5 July Start 0700 Stop 000 Total hrs 3	0	0	0	N	Y	N	
Overall Site Sun		Adults	Pairs	Territories	Nests	Were any WI	FLs color-banded?	Yes No
(Total resident WIF		0	0	0	0	If yes, report of form	color combination(s)	in the comments section on back

-1 1	
Reporting Individual Stephen J. Myers	Date Report Completed 7 Dec 2007
	Bate Report Completed 1 Vec 2001
Us Fish and whillife Service Permit #1E 804 203 - 7	AZ Game and Fish Department (or other state) Permit #

Fill in the following information completely. <u>Submit original form by August Ist</u>. Retain a copy for your records.

Reporting Indiv	idual Stephen	J. Myers		Phone # 951 3	69-8060
Affiliation Av	EC Earth & E	nvironmental - Lake Street		E-mail stephen.	eted 7 Dec 2007
Site Name SCE	- Valley - Ivygles	- Lake Street		_Date Report Comple	eted 7 Dec 2007
Did you verify t	that this site name is	consistent with that u	sed in previous years? Y	es / No (circle one)	NA
			neral area this year? Yes	/No. If no summo	rize in comments below.
Did you survey	the same general are	ea during each visit to	this site this year? Yes		rize in comments below.
	uthority for Survey A sement Entity or Ow	Area (circle one): ner (e.g., Tonto Natio	Federal Municipa		Tribal Private
Length of area s	urveyed: 0.6 m	(specify units, e.g	., miles = mi, kilometers =	= km, meters = m)	
Vegetation Char	racteristics: Overall,	are the species in tree	shrub layer at this site co	mprised predominan	tly of (check one):
Native b	roadleaf plants (enti	rely or almost entirely	, includes high-elevation	willow)	
Mixed n	ative and exotic plar	ts (mostly native)			
Mixed na	ative and exotic plan	ts (mostly exotic)			
		irely or almost entirel			
Identify the 2-3	predominant tree/shi	rub species: EV cal	1 ptus camaldulensi	s, Salix laevigi	eta
Average height of	of canopy (Do not pu	ut a range):50	iptus camablulensi Feet	(specify units)	
Was surface wat Distance from th	er or saturated soil pe site to surface wat	resent at or adjacent ter or saturated soil:	o site? Yes No (circl (specify ur		
Did hydrological If yes, describe in	conditions change son comments section	significantly among vi below.	sits (did the site flood or	dry out)? Yes No	(circle one)
of WIFL detection patch, and location NOT substitute for	ns. Also include a sk on of any willow flyc	tetch or aerial photogra atchers or willow flyca S quad map. Please in	uph showing details of site tcher nests detected. Such	location, patch shape,	he survey site and location survey route in relation to phs are welcomed, but DO or of the patch, and overall
Comments (attac	h additional sheets is	necessary)			
WIFL Detection l	Locations:	P.			
Date Detected	N UTM	E UTM	Date Detected	N UTM	E UTM
			2 die Detected	IN CTIVI	EUIW

SCE Valley - Ivyglen: Lake Street Area



USGS 7.5' Alberhill quad

Willow Flycatcher Survey and Detection Form (revised April, 2004)

Site Name SCE Valley USGS Quad Name US	-Ivyglen - Hoste G5 7.5 Albert	Her Road State Elevation	eCA County	Riverside (circle one)
Is copy of USGS	S map marked with surv	vey area and WIFL sightings	s attached (as req	nuired)? Ves No
Site Coordinates: Start: Stop:	N 373Z600	E 462700 E 461400	UTM	zone NAD27 preferred)

** Fill in additional site information on back of this page **

Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found ? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign, If Yes, Describe Y or N	Comments about this survey (e.g., bird behavior, evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
1 John Fi Green Chet McGangh	Date 29 May Start 06/5 Stop 6830 Total hrs2.25	0	0	0	N	Y	N	uncats)
2 John F. Green	Date 8 June 67 Start ()545 Stop 0950 Total hrs 4	0	0	0	N	Y	N	
3Chet McGaugh	Date 29 Jmc Start 6620 Stop 000 Total hrs 3.75	0	0	0	N	Y	N	
4 Stephen J. Myers	Date 10 July Start 0520 Stop 0910 Total hrs 4	0	0	0	N	Y	N	
5 John F. Green	Date 7 July Start 0635 Stop 0955 Total hrs 3,5	0	0	0	N	Y	N	
Overall Site Sur		Adults	Pairs	Territories	Nests	Were any WI	FLs color-banded?	Yes No
(Total resident WII Total survey hrs	10-	Ö	0	0	0	If yes, report color combination(s) in the comments section on back of form		

Reporting Individual <u>Stephen J. Myers</u> US Fish and Wildlife Service Permit # <u>TE 804203-7</u> AZ Game an	Date Report Completed 7 Dec 2007 and Fish Department (or other state) Permit #
------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------

Fill in the following information completely. <u>Submit original</u> form by August 1st. Retain a copy for your records.

Reporting Indiv	idual Stephen	J. Myers		Phone # 951	369-8060
Affiliation A	MEC Earth &	Environmen	tal	E-mail stephen	pleted 7 Dec 07
Site Name				_Date Report Com	pleted 7 Dec 07
Did you verify t	hat this site name is	consistent with that u	sed in previous years? Y	es / No (circle on	e) N/A
If name is differ	ent, what name(s) v	vas used in the past?			
Did you survey	yed last year, did yo	ou survey the same ge	eneral area this year? Yes this site this year? Yes	No If no, sum	marize in comments below. N/
Did you survey	the same general are	ta during each visit to	uns site uns year? Yes	No II no, sumr	marize in comments below.
Management Au Name of Manag	nthority for Survey A ement Entity or Ow	Area (circle one): ner (e.g., Tonto Natio	Federal Municipa nal Forest)	al/County State	Tribal Private
Length of area s	urveyed: ~ O . 8,	n). (specify units, e.g	., miles = mi, kilometers	= km, meters = m)	
Vegetation Char	acteristics: Overall,	are the species in tree	s/shrub layer at this site co	omprised predomin	antly of (check one):
Native b	roadleaf plants (enti	rely or almost entirely	, includes high-elevation	willow)	
Mixed na	ative and exotic plan	nts (mostly native)			
Mixed na	ntive and exotic plan	its (mostly exotic)			
Exotic/in	troduced plants (ent	irely or almost entirel	y)		
Identify the 2-3 p	oredominant tree/shi	rub species: Salix	laevigata, Popul	s fremonti;	Bacchowis salicifolia
			feet		
Was surface water Distance from the	er or saturated soil pe site to surface wat	resent at or adjacent t er or saturated soil:	o site? Yes No (circles) (specify un		
Did hydrological If yes, describe in	conditions change so comments section	significantly among vi below.	isits (did the site flood or	dry out)? Yes	(circle one)
patch, and locatio NOT substitute fo	ns. Also include a sk n of any willow flyc	setch or aerial photogra atchers or willow flyca S quad map. Please in	aph showing details of site atcher nests detected. Such	location, patch shap	g the survey site and location pe, survey route in relation to graphs are welcomed, but DO rior of the patch, and overall
Comments (attach	additional sheets is	f necessary)			
WIFL Detection I	Locations:				
Date Detected	N UTM	E UTM	Data Data da 1	37.7.700	
- B quoticu	TV O I IVI	E UTW	Date Detected	N UTM	EUTM

SCE Valley-Ivyglen: Hostettler Koad Area

TOPO! map printed on 12/07/07 from "California.tpo" and "Untitled.tpg" 117°25,000' W WGS84 117°24.000' W 117°26.000' W 33°45.000' N 33°44,000' N Alberhill 33°43.000' N 117°25.000' W USGS 7.5' Alberhill quad

VALLEY-IVYGLEN SUBTRANSMISSION LINE PROJECT 2010 FOCUSED SURVEYS FOR THE LEAST BELL'S VIREO, SOUTHWESTERN WILLOW FLYCATCHER, AND WESTERN YELLOW-BILLED CUCKOO



Submitted to:

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Submitted by:

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17 September 2010

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Valley-Ivyglen Subtransmission Line Project 2010 Focused Surveys for the Least Bell's Vireo, Southwestern Willow Flycatcher, and Western Yellow-billed Cuckoo

1.0 INTRODUCTION

This report presents the findings of focused surveys for the Least Bell's Vireo (*Vireo belli pusillus*), Southwestern Willow Flycatcher (*Empidonax traillii extimus*), and Western Yellow-billed Cuckoo (*Coccyxz americana occidentalis*) at suitable habitat patches along the Valley-lvyglen Subtransmission Line Project west of Interstate 15 (see Map 1). The surveys were performed to satisfy requirements of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) (Riverside County 2003). Portions of the alignment were surveyed for sensitive riparian birds in 2007 (AMEC 2007).

1.1 Project Description

The proposed Valley-Ivyglen Subtransmission Line Project ultimately involves the construction of a new 115kV subtransmission line which will connect the Valley Substation to the Ivyglen Substation. This subtransmission line will be installed in an existing right-of-way (ROW) where available, and new ROWs where none exist. The Valley Substation is located in the southwest corner of an unincorporated area known as Romoland, adjacent to the city of Perris. The Ivyglen Substation is located in the southeastern portion of unincorporated Corona, along Temescal Canyon Road near Glen Ivy Hot Springs. The Ivyglen Substation is approximately 19 miles west of the Valley Substation.

The entire project is located in western Riverside County, California. The proposed subtransmission line routes surveyed in 2010 traverse unincorporated county lands, and the City of Lake Elsinore. The alignments traverse portions of the *Lake Elsinore*, *California*, *Alberhill*, *California*, and *Lake Mathews*, *California* United States Geological Survey (USGS) 7.5-minute series topographic quadrangles.

1.2 Species Information

1.2.1 Least Bell's Vireo

Least Bell's Vireo (LBV) is a small, migratory, insectivorous bird which occurs in willow-dominated riparian habitats. Although this bird is drab in plumage and can be secretive within its densely vegetated habitat, males are easy to detect on the breeding grounds due to their conspicuous, diagnostic, and frequently given song. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams (Grinnell and Miller 1944, Goldwasser 1978, Franzreb 1987, Garrett and Dunn 1981). Least Bell's Vireos were formerly widespread and common throughout low-lying riparian habitats of central and southern California, but are now restricted primarily to a limited number of locations in southern California. Habitat reduction has contributed to this species' significant population declines. Nest parasitism by Brown-headed Cowbirds (*Molothrus ater*) has also seriously impacted reproductive success by Least Bell's Vireo, as well as many other species which build cup nests (Goldwasser 1978). Populations are recovering as a result of habitat

restoration and cowbird control efforts. Least Bell's Vireo is listed as Endangered by the California Department of Fish and Game (CDFG) and by the U.S. Fish and Wildlife Service (USFWS). A final determination of critical habitat was made in 1994 (USFWS 1994).

1.2.2 Southwestern Willow Flycatcher

The Southwestern Willow Flycatcher (SWFL) is a small, brownish-olive flycatcher that was formerly considered a common summer resident in southern California's lowland willow thickets and in low elevation mountain canyons (Garrett and Dunn 1981). Following the large-scale invasion of southern California by Brown-headed Cowbirds in the 1920s, along with loss of willow riparian habitat, this subspecies was nearly extirpated from southern California. The Willow Flycatcher was listed by the State of California as endangered in 1990. The subspecies *E. t. extimus* (Southwestern Willow Flycatcher) is listed as endangered by the U.S. Fish and Wildlife Service (USFWS). A final determination of critical habitat was made in October 2005 (USFWS 2005).

Surveys have revealed populations along the Santa Margarita and San Luis Rey rivers in San Diego County, in the San Bernardino Mountains and along the Mojave River in San Bernardino County, the Santa Ynez River in Santa Barbara County, the Santa Clara River in Los Angeles and Ventura counties, the South Fork of the Kern River in Kern County (Unitt 1987, Marshall 2000), and San Timoteo Creek in western Riverside County (R. McKernan, San Bernardino County Museum: pers. comm.). This subspecies also persists in the Lower Colorado River Valley (Marshall 2000, R. McKernan, San Bernardino County Museum, pers. comm.). Unlike LBVs, SWF populations do not appear to have gained any significant benefit from habitat restoration and cowbird control efforts.

The Southwestern Willow Flycatcher breeds in dense riparian habitats near surface water or saturated soil. Plant composition and habitat structure can vary greatly depending on the site, but willows often make up much of the understory. Populations along the Colorado River are known to use thickets dominated by both native and nonnative plants (especially Salt-Cedar [*Tamarix* spp.]). Dense patches of understory vegetation are a critical component of occupied habitat (Sogge *et al.* 2010).

1.2.3 Western Yellow-billed Cuckoo

The Western Yellow-billed Cuckoo (WYBC) is an extremely rare bird in California, with less than 50 pairs found during a statewide survey in 1986-1987, and no indication of more recent population increases. Most of California's Yellow-billed Cuckoos are found in two areas: along the Sacramento River between Red Bluff and Colusa, and along the South Fork Kern River near Weldon (Laymon 1998). Western Yellow-billed Cuckoo was listed as Endangered by the State of California in 1988.

Western Yellow-billed Cuckoos are long distance migrants and return to California from their South American wintering areas in late May and June. Occupied riparian forests are usually larger than 25 acres. Detection of Western Yellow-billed Cuckoos is difficult, as they have large home ranges in dense willow and cottonwood forests and call infrequently. Recorded playback of the species' calls is the recommended method for conducting surveys.

2.0 METHODS

2.1 Survey Areas

Areas considered to contain suitable habitat along the western portion of the project route are:

- Temescal Wash, near Riverside Drive and Baker Street ("Baker Street Survey Area"): approximate UTM at south end of survey area: Zone 11, 468250E, 3727250N (WGS84); approximate UTM at north end of survey area: Zone 11, 467100E, 3728700N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Lake Elsinore, Calif. quadrangle. See Map 2E.
- 2. <u>Temescal Wash, near Nichols Road ("Nichols Road Survey Area"):</u> approximate UTM of at south end of survey area: Zone 11, 467600E, 3728400N (WGS84); approximate UTM at north end of survey area: 466500E, 3729700N (WGS84). These points occur on lands mapped on the USGS 7.5 minute *Lake Elsinore, Calif.* quadrangle. See Map 2D.
- Temescal Wash, near Lake Street ("Lake Street Survey Area"): approximate UTM at east end of survey area: Zone 11, 463800E, 3732000N (WGS84); approximate UTM at west end of survey area: Zone 11, 462770E, 3732300N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Alberhill, Calif. and Lake Elsinore, Calif. quadrangles respectively. See Map 2C.
- 4. Temescal Wash, near Hostettler Road ("Hostettler Road Survey Area"): approximate UTM at east end of survey area: Zone 11, 462750E, 3732300N (WGS84); approximate UTM at west end of survey area: Zone 11, 461300E, 3732800N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Alberhill, Calif. quadrangle. See Map 2C.
- Unnamed Riparian Patch south of De Palma Road, approximately 0.3 mile south of Corona Lake (surveyed during same mornings as "Hostettler Road Survey Area"): approximate UTM near the center of survey area: Zone 11, 459200E, 3733600N (WGS84). This point occurs on land mapped on the USGS 7.5 minute Alberhill, Calif. quadrangle. See Map 2B.
- Unnamed Riparian Patch east of Temescal Canyon Road, approximately 0.3 mile northwest of Corona Lakes (surveyed during same mornings as "Hostettler Road Survey Area"): approximate UTM near the center of the survey area: Zone 11, 457900E, 3735000N (WGS84). This point occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. guadrangle. See Map 2A.
- Unnamed Riparian Patch southwest of Temescal Canyon Road, approximately 0.2 mile southwest of El Hermano Road (surveyed during same mornings as "Hostettler Road Survey Area"): approximate UTM of survey area: Zone 11, 457250E, 37355000N (WGS84). This point occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle. See Map 2A.
- 8. Temescal Wash, approximately 0.3 mile northwest of El Hermano Road and northeast of Temescal Canyon Road (surveyed during same mornings as "Lake Street Survey Area"): approximate UTM of survey area: Zone 11, 456950E, 3735980N (WGS84). This

point occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle. See Map 2A.

- Unnamed Riparian Patch southwest of Temescal Canyon Road, approximately 0.25 mile west of El Hermano Road (surveyed during same mornings as "Lake Street Survey Area"): approximate UTM of survey area: Zone 11, 457700E, 3735120N (WGS84). This point occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle. See Map 2A.
- 10. <u>Unnamed Riparian Patch in detention basin southwest of Temescal Canyon Road, just south of its intersection with Campbell Ranch Road (surveyed during same mornings as "Lake Street Survey Area"):</u> approximate UTM at center of survey area: Zone 11, 456100E, 3735680N (WGS84). This point occurs on land mapped on the USGS 7.5 minute *Lake Mathews*, *Calif.* guadrangle. See Map 2A.

All of the survey areas were surveyed for LBV and SWFL. The habitat structure and/or extent at some of the sites are not suitable for nesting WYBCs. Surveys for the WYBC were conducted at Baker Street, Nichols Road, Lake Street, and Hostettler Road, which were the only sites with suitable habitat.

In accordance with the currently accepted survey protocol for the Least Bell's Vireo (USFWS 2001), each site was surveyed at least eight times by AMEC Earth and Environmental (AMEC) biologists. The LBV protocol requires surveys to be conducted at least 10 days apart between 10 April and 31 July. The SWF protocol requires five surveys, and that the first survey be performed from 15 May to 31 May, the next two surveys from 1 June to 24 June, and the final two surveys between 25 June and 17 July (Sogge *et al.* 2010). The SWF surveys were performed concurrently with LBV surveys when possible.

Surveys consisted of slowly moving through the habitat while listening for the songs and calls of the target species. During the SWF surveys, recordings of their vocalizations were broadcast every 20-30 meters, as required by protocol. During WYBC surveys, territorial calls ("Kowlp" calls) were broadcast every 100 meters, with the calls being repeated 5 times at one minute intervals. All bird species detected during the surveys were recorded in field notes.

Surveys were performed by Chet McGaugh (federal Endangered Species Permit TE836517-6), Stephen J. Myers (TE804203-9), and John F. Green (TE054011-2). Tables 1A through 1D summarize the surveys, and Maps 2A through 2E show the survey areas.

Table 1A. LBV/SWFL/WYBC Survey Data, Survey Area 1 ("Baker Street Survey Area").

Date	Observer	Target Species	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
18 May	John F. Green	LBV	0655-1140	59-67	0-2	100-95
25 May	Chet McGaugh	SWFL	0705-1020	52-74	0-3	0
1 June	Chet McGaugh	LBV, SWFL	0630-1045	58-76	0	0
11 June	Stephen J. Myers	LBV, SWFL	0620-1030	60-69	0	100-90
22 June	Chet McGaugh	WYBC	0645-1100	56-83	0	0
2 July	Stephen J. Myers	LBV, SWFL	0700-1050	62-83	0	0
12 July	John F. Green	LBV, SWFL, WYBC	0645-1010	65-85	0-3	<5-0
21 July	Chet McGaugh	LBV	0600-0900	66-74	0	100-0
30 July	Stephen J. Myers	LBV, WYBC	0620-1020	67-84	0	0
11 August	Chet McGaugh	WYBC	0700-1100	59-79	0	0

Table 1B. LBV/SWFL/WYBC Survey Data, Survey Area 2 ("Nichols Road Survey Area").

Date	Observer	Target Species	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
18 May	John F. Green	LBV	0655-1140	59-67	0-2	100-95
28 May	Stephen J. Myers	LBV, SWFL	0650-1040	55-68	0-2	40
7 June	Chet McGaugh	LBV, SWFL	0650-1110	66-87	0	0
18 June	John F. Green	LBV, SWFL, WYBC	0725-1010	63-81	0-3	0
28 June	Chet McGaugh	LBV, SWFL	0635-1100	65-88	0	0
8 July	Chet McGaugh	LBV, SWFL, WYBC	0620-1055	61-71	0-5	100-0
19 July	Chet McGaugh	LBV	0640-1020	70-94	0	0
29 July	Chet McGaugh	LBV, WYBC	0630-1030	61-80	0	0
10 August	Chet McGaugh	WYBC	0620-1035	53-83	0	0

Table 1C. LBV/SWFL/WYBC Survey Data, Survey Areas 3, 8, 9 & 10 ("Lake Street Survey Area").

Date	Observer	Target Species	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
24 May	Stephen J. Myers	LBV, SWFL	0630-1015	49-64	0-1	20-10
2 June	John F. Green	LBV, SWFL	0720-0925	60-68	0-3	100-10
12 June	Chet McGaugh	LBV, SWFL	0640-1040	66-72	0-2	100-95
21 June	Stephen J. Myers	LBV, SWFL, WYBC	0625-1050	60-77	0-2	100-0
1 July	John F. Green	LBV, SWFL	065-0930	66-83	0-4	0
12 July	Chet McGaugh	LBV, SWFL, WYBC	0715-1105	70-84	0	0
21 July	John F. Green	LBV	0900-1120	68-84	1-5	0
30 July	Chet McGaugh	LBV, WYBC	0655-1040	64-87	0-4	0
11 August	Stephen J. Myers	WYBC	0640-1045	59-74	0-5	0

Table 1D. LBV/SWFL/WYBC Survey Data, Survey Areas 4, 5, 6, & 7 ("Hostettler Road Survey Area").

Date	Observer	Target Species	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
11 May	Stephen J. Myers	LBV	0700-1000	54-69	0-4	0-10
28 May	Chet McGaugh	LBV, SWFL	0705-1045	56-70	0	0
2 June	Chet McGaugh	LBV, SWFL	0645-1100	59-71	0	100
11 June	John F. Green	LBV, SWFL	0655-1000	62-68	0-4	99-95
22 June	Stephen J. Myers	LBV, WYBC	0605-1040	54-78	0-2	0
2 July	Chet McGaugh	LBV, SWFL	0645-1030	67-85	0	0
12 July	Stephen J. Myers	LBV, SWFL, WYBC	0645-1035	63-84	0-4	0
22 July	John F. Green	LBV, WYBC	0845-1135	72-84	1-5	0
30 July	John F. Green	LBV, WYBC	0635-1035	63-83	0-4	20-5
12 August	Stephen J. Myers	WYBC	0625-1055	61-82	0	0

3.0 RESULTS

3.1 Habitat Descriptions

3.1.1 Survey Area 1 (Baker Street)

This area contains well developed riparian forest, woodland, and scrub dominated by willows (*Salix* spp.), Mulefat (*Baccharis salicifolia*), and occasional Fremont Cottonwoods (*Populus fremontii*). Open ponds are also present, and are surrounded by freshwater marsh. One pond along Baker Street is completely covered with Water Hyacinth (*Eichhornia crassipes*). Temescal Wash in this area contained surface water during the entire survey season.

3.1.2 Survey Area 2 (Nichols Road)

The habitat in this survey area is a continuation of that of Baker Street. Proceeding north along Temescal Wash, the habitat becomes somewhat more fragmented, and there is a larger proportion of low, scrubby, willow habitat. Stringers of willow scrub and woodland are separated from one another in this area by large stands of freshwater marsh; a few open ponds are also present. The stream in Temescal Wash flowed throughout this reach during the entire survey season.

3.1.3 Survey Area 3 (Lake Street)

Temescal Wash in the area of Lake Street is lined with a mixture of native and nonnative vegetation. Gum trees (*Eucalyptus* spp.) are dominant, with intermittent thickets of willows and scattered Fremont Cottonwoods. Surface water was perennial in portions of this area, but intermittent in others.

3.1.4 Survey Area 4 (Hostettler Road)

This area is along Temescal Wash, and is downstream and nearly contiguous with the Lake Street area. Some *Eucalyptus* occurs, but most of the vegetation is native willows, cottonwoods, and Coast Live Oaks (*Quercus agrifolia*). The creek was flowing throughout the survey period.

3.1.5 Survey Area 5

This small patch of riparian scrub (willows and Mulefat) is adjacent to extensive oak woodlands, which lie to the southwest. No surface water or saturation was visible at this site.

3.1.6 Survey Area 6

At this site, an old strip of former asphalt roadway is lined with scattered willows, cottonwoods, and Mulefat. No surface water is present. Sometime during June of 2010, bulldozing of adjacent uplands removed some of the scrubby willows and Mulefat.

3.1.7 Survey Area 7

A small patch of shrubby willows and Mulefat occurs at this site. The site had some surface water during the entire survey season. A grove of large gum trees is adjacent to the east of the riparian scrub.

3.1.8 Survey Area 8

This survey area consisted of a short reach of Temescal Wash. The vegetation consists of a relatively narrow strip of willow woodland and scrub. The stream flowed throughout the survey season.

3.1.9 Survey Area 9

A patch of shrubby willows and Mulefat occurs at this site. The site had some surface water during the entire survey season.

3.1.10 Survey Area 10

This patch of approximately one acre of scrubby willow, Mulefat, and Salt-Cedar (*Tamarix ramosissima*) is within a detention basin. The Salt-Cedar occurs primarily around the perimeter of the basin, with dense willow scrub occurring in the center of the basin. No surface water or saturation was visible during the surveys.

3.2 Critical Habitat

The project area is not within designated Critical Habitat for either the Least Bell's Vireo or Southwestern Willow Flycatcher.

3.3 Survey Results

One hundred seven (107) bird species were detected during the focused surveys. Among the most frequently detected species were the following birds that are typical of lowland riparian habitats in southern California: Mourning Dove (*Zenaida macroura*), Black-chinned Hummingbird (*Archilochus alexandri*), Nuttall's Woodpecker (*Picoides nuttallii*), Black Phoebe (*Sayornis nigricans*), Bushtit (*Psaltriparus minimus*), House Wren (*Troglodytes aedon*), Yellow Warbler (*Dendroica petechia*), Common Yellowthroat (*Geothlypis trichas*), Song Sparrow (*Melospiza melodia*), and Lesser Goldfinch (*Spinus psaltria*).

3.3.1 Southwestern Willow Flycatcher

No Southwestern Willow Flycatchers were detected at any of the survey areas. On 11 August, a single, vocal Willow Flycatcher was in the Lake Street survey area. This date is within the normal period of fall migration of the species in southern California, and the bird was not found on previous surveys. Therefore, AMEC concludes that this bird was a migrant of a more northerly subspecies, and not a Southwestern Willow Flycatcher (subspecies *E.t. extimus*).

3.3.2 Least Bell's Vireo

Least Bell's Vireos were detected more or less continuously from the "Baker Street" survey area to the "Hostettler Road" survey area (see Maps 2C through 2E). The precise number of territories throughout this reach is not possible to ascertain, but is probably between 10 and 15 territories.

3.3.3 Western Yellow-billed Cuckoo

No Western Yellow-billed Cuckoos were detected at any of the survey areas.

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APPENDIX A BIRD SPECIES LIST

APPENDIX A BIRD SPECIES LIST

This list reports only bird species or their sign which were observed along the project alignment during 2010 focused bird surveys. Nomenclature and taxonomy for birds observed on site generally follows the American Ornithologists' Union Checklist (1998) and its supplements.

SYMBOLS AND ABBREVIATIONS:

Pied-billed Grebe

Sensitive species (State or Federally Listed as Threatened or Endangered, or a CDFG Species of Special Concern / Watch List Species, or a USFWS Bird of Conservation Concern)

BIRDS **AVES**

Swans, Geese, and Ducks Anatidae Wood Duck Aix sponsa Gadwall Anas strepera Mallard Anas platyrhynchos Cinnamon Teal Anas cyanoptera *Redhead Aythya americana

New World Quail Odontophoridae California Quail Callipepla californica

Podicipedidae Grebes

Podilymbus podicops **Phalacrocoradidae Darters**

Phalacrocorax auritus *Double-crested Cormorant

Bitterns and Herons Ardeidae American Bittern Botaurus lentiginosus Great Blue Heron Ardea herodias **Great Egret** Ardea alba Snowy Egret Egretta thula Green Heron Butorides virescens Black-crowned Night-Heron Nycticorax nycticorax

New World Vultures Cathartidae Turkey Vulture Cathartes aura

Hawks, Kites, Eagles **Accipitridae** *Northern Harrier Circus cyaneus *Cooper's Hawk Accipiter cooperii Red-shouldered Hawk Buteo lineatus Red-tailed Hawk Buteo jamaicensis

Falcons

American Kestrel

Rallidae

Common Moorhen American Coot

Plovers and Lapwings

Killdeer

Recurvirostridae

Black-necked Stilt American Avocet

Sandpipers, Phalaropes, and Allies

Spotted Sandpiper

Willet

Greater Yellowlegs
Western Sandpiper
Least Sandpiper
Long-billed Dowitcher

Laridae

*Caspian Tern

Pigeons and Doves

Rock Pigeon (nonnative) Band-tailed Pigeon

Eurasian Collared-Dove (nonnative)

Mourning Dove

Common Ground-Dove

Cuckoos, Roadrunners, Allies

Greater Roadrunner

Barn Owls

Barn Owl

Typical Owls

Great Horned Owl

Swifts

*Vaux's Swift

White-throated Swift

Hummingbirds

Falconidae

Falco sparverius

Rails, Gallinules, Coots

Gallinula chloropus Fulica americana

Charadriidae

Charadrius vociferus

Stilts and Avocets

Himantopus mexicanus Recurvirostra americana

Scolopacidae

Actitis macularius Tringa semipalmata Tringa melanoleuca Calidris mauri

Calidris minutilla

Limnodrumus scolopaceus

Gulls and Terns

Hydroprogne caspia

Columbidae

Columba livia

Patagioenas fasciata Streptopelia decaocto Zenaida macroura

Columbina passerina

Cuculidae

Geococcyx californianus

Tytonidae

Tyto alba

Strigidae

Bubo virginianus

Apodidae

Chaetura vauxi

Aeronautes saxatalis

Trochilidae

Black-chinned Hummingbird Anna's Hummingbird Costa's Hummingbird Allen's Hummingbird

Woodpeckers and Allies

Acorn Woodpecker Nuttall's Woodpecker Downy Woodpecker

Flycatchers

Western Wood-Pewee *Willow Flycatcher Pacific-slope Flycatcher Black Phoebe Ash-throated Flycatcher Cassin's Kingbird Western Kingbird

Vireos

*Least Bell's Vireo Warbling Vireo

Jays, Magpies and Crows

Western Scrub-Jay American Crow Common Raven

Swallows

Tree Swallow Northern Rough-winged Swallow Cliff Swallow Barn Swallow

Titmice and Chickadees

Oak Titmouse Mountain Chickadee

Long-tailed Tits and Bushtits

Bushtit

Wrens

Rock Wren House Wren Bewick's Wren Marsh Wren Archilochus alexandri Calypte anna Calypte costae Selasphorus sasin

Picidae

Melanerpes formicivorus Picoides nuttallii Picoides pubescens

Tyrannidae

Contopus sordidulus
Empidonax traillii
Empidonax difficilis
Sayornis nigricans
Myiarchus cinerascens
Tyrannus vociferus
Tyrannus verticalis

Vireonidae

Vireo bellii pusillus Vireo gilvus

Corvidae

Aphelocoma californica Corvus brachyrhynchos Corvus corax

Hirundinidae

Tachycineta biclor Stelgidopteryx serripennis Petrochelidon pyrrhonota Hirundo rustica

Paridae

Baeolophus inornatus Poecile gambeli

Aegithalidae

Psaltriparus minimus

Troglodytidae

Salpinctes obsoletus Troglodytes aedon Thryomanes bewickii Cistothorus palustris

Sylviid Warblers

Wrentit

Mockingbirds, Thrashers, and Allies

Northern Mockingbird California Thrasher

Starlings and Allies

European Starling (nonnative)

Silky-Flycatchers

Phainopepla

Wood-Warblers

Orange-crowned Warbler
*Yellow Warbler
Black-throated Gray Warbler
Wilson's Warbler
Common Yellowthroat
*Yellow-breasted Chat

Emberizines

Spotted Towhee
California Towhee
*Southern California Rufous-crowned Sparrow
Lark Sparrow
*Bell's Sage Sparrow
Savannah Sparrow
Song Sparrow

Cardinals and Allies

Western Tanager Black-headed Grosbeak Blue Grosbeak Lazuli Bunting

Blackbirds and Allies

Red-winged Blackbird Western Meadowlark Brewer's Blackbird Great-tailed Grackle Brown-headed Cowbird Hooded Oriole Bullock's Oriole

Sylviidae

Chamaea fasciata

Mimidae

Mimus polyglottos Toxostoma redivivum

Sturnidae

Sturnus vulgaris

Ptilogonatidae

Phainpepla nitens

Parulidae

Vermivora celata
Dendroica petechia
Dendroica nigrescens
Wilsonia pusilla
Geothlypis trichas
Icteria virens

Emberizidae

Pipilo maculatus
Pipilo crissalis
Aimophila ruficeps canescens
Chondestes grammacus
Amphispiza belli belli
Passerculus sandwichensis
Melospiza melodia

Cardinalidae

Piranga ludoviciana
Pheucticus melanocephalus
Passerina caerulea
Passerina amoena

Icteridae

Agelaius phoeniceus
Sturnella neglecta
Euphagus cyanocephalus
Quiscalus mexicanus
Molothrus ater
Icterus cucullatus
Icterus bullockii

Finches and Allies

Purple Finch
House Finch
Lesser Goldfinch
*Lawrence's Goldfinch
American Goldfinch

Old World Sparrows

House Sparrow (nonnative)

Fringillidae

Carpodacus purpureus Carpodacus mexicanus Spinus psaltria Spinus lawrencei Spinus tristis

Passeridae

Passer domesticus

APPENDIX B

SOUTHWESTERN WILLOW FLYCATCHER SURVEY FORMS

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

	·		•	-	-	d Detection Form (revised				
Site Name	SCE LI ad Name	Make	1 Bak	er sti	207 (1	State CA Count Elevation 32	35 N	ver	51 dC (met	ters)
Creek, Riv	er, Wetland	or Lake	Name7	emesco	el wash					
-		-		-		ightings attached (as requ				/o
Survey Co	ordinates: S S	tart: E <u>4</u> top: E_4	68 250		N 3727 2 N 372 8	2 5 0 UTM	Datum Zone _	NGS 1	14 (See instruc	xtions)
If sur	vey coordina	tes chang	ed betwee	n visits, er	nter coordinat	es for each survey in comm	ents se	ction	on back of thi	s page.
	1	**,	Fill in ac	dditiona:	l site inforn	nation on back of this			<u> </u>	
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior, evidence of pairs or breeding, potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is individ	an optic uzis, pa rvey).	tes for WIFL Detenal column for d irs, or groups of b Include additiona	ocumenting pirds found on 1 sheets if
Survey # 1 Observer(s)	Date						# Birds	Sex	UTM E	UTM N
Chet McGaugh	25 May 10 Start 0655 Stop 1140 Total hrs3.5	0	0	0	N					
Survey # 2	Date						# Birds	Sex	UTM E	UTMN
Observer(s) Chet	Date June Start				_	·				
Mc Gaugh	Start 0630 Stop	0	0	0	N		. :			
v. Ju	Stop 1045 Total hrs4.25				-					
Survey # 3						 _	# Birds	Sex	UTM E	UTM N
Observer(s)	Date 11 June									
Stephen	Start 6620	\cap		0	N	!				
Myers	Stop 10≩0					:				
	Total hrs 4									
Survey # 4 Observer(s)	Date						# Birds	Sex	UTM E	UTM N
	2 July			_	-1					
Stepheu My ors	6700 Stop	0	0	0	N					
71.9-10	Stop 1050 Total hrs: 4									
Survey # 5							# Birds	Sex	UTM E	UTMN
Observer(s)	Date 12 July							Ì		
John	Stan 045		\sim 1	2	N					<u> </u>
Green	Stop	0	0		13					 -
	1010 Total hrs3.5									
Overall Site St Totals do not equa each column. Inch resident adults. D migrants, nestlings	I the sum of ide only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato				_ No
fledglings. Be careful not to d individuals. Total Survey Hrs		0	0	0	0	If yes, report color combin section on back of form at	nation(s nd repo	i) in ti rt to l	ne comments JSFWS.	
Reporting	Individual 3	Steon	en J.	Myers		Date Report Completed	/3	Sept	2010	
US Fish an	d Wildlife S	ervice Pe	rmit #_ %	14203	-9	_State Wildlife Agency P	ermit #	A	MEC M	<u>ou</u>

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Affiliation	on AMEC P	tephen J. Earth and I glen "Baker	envilonma	uta [F 	Phone # <u>951-369-8060 × 111</u> E-mail stephen : _ mye15@ amec. co m Date Report Completed <u>13 Scpt 201</u> 0
Did you If site na If site wa	verify that this s me is different, v as surveyed last y	•	stent with that use used in the past rey the same gene	ral area this ye	ears? Yes_ ar? Yes.	No Not Applicable X No If no, summarize below. No If no, summarize below.
Manager	nent Authority fo	or Survey Area :	Federal	Municipal/Cou	nty <u>×</u> S	tate Tribal Private <u>×</u>
	f area surveyed:		eters)	ai rotest)		
Vegetatio	on Characteristic	s: Mark the categ	ory that best des	cribes the predo	minant tree	/shrub foliar layer at this site (check one):
	Native broadlea	f plants (entirely	or almost entirely	y, > 90% native	, includes h	igh-elevation willow)
X	Mixed native an	d exotic plants (n	nostly native, 50	- 90% native)		
	Mixed native an	d exotic plants (n	nostly exotic, 50	- 90% exotic)		
I	Exotic/introduce	d plants (entirely	or almost entirel	y, > 90% exotic	:)	
Identify tl Salix	he 2-3 predomin	ant tree/shrub spe Sali L. goodi,	cies in order of c	lominance. Us <i>Aumontii</i>	e scientific 1	name.
		(Do not include a	-			
Attach ske Attach př	etch or aerial pho notos of the inter	to showing site	location, patch sl exterior of the pa	hape, survey ro	ute, location	survey site and location of WIFL detections. of any WIFLs or WIFL nests detected. be any unique habitat features.
						<u> </u>
erritory S	Summary Table.	Provide the follo	owing informatio	n for each veri	ied territor	at your site.
erritory Number	All Dates Detected	UTM N	UTM E	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)
				ĺ		
	· · ·					· · · · · · · · · · · · · · · · · · ·
						

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

Site Name	SCE IN	y gleen	"Nid	iols Ro		State A Count Elevation 38			iide	
						Elevation	<u>5</u> _		(met	ers)
Creek, Kiv	er, Wetland	, or Laxe map mar)	Name <u> </u>	urvey area		ightings attached (as requ	ired)?		Yes <u>X</u> N	
						400UTM 700UTM		WGS 8	≝ (See instruc	tions)
If surv	ey coordina	tes chang	ed betwee	n visits, er	iter coordinat	es for each survey in comm	ients se	ction (on back of this	page.
	ı	**,	Fill in ac	dditiona	site inforn	nation on back of this	page	**	_	_
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Ness(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior, evidence of pairs or breeding; potential threats [livestock, cowbirds, Dtorhabda spp.]). If Drorhabda found, contact USFWS and State WIFL coordinator	(this is individual each su necessa	an optio uals, pai rvey). I ty.	es for WIFL Dete nal column for do its, or groups of b nelude additional	cumenting irds found on sheets if
Survey # I Observer(s)	Date 241						≠ Birds	Sex	UTME	UTM N
Stephen Myers	Start OSD Stop NOUO Total hrs 4	0	0	0	И					
Survey # 2	Date						# Birds	Sex	UTME	NMTU
Observer(s)	7 June				,		├			
Chet	Start OKGO Stop	0	0	0	N		 			
McGaugh	1) 10 Total hrs <u>4.2</u> 4	-								·
Survey # 3 Observer(s)	Date 18 June						≠ Birds	Sex	UTM E	итм и
John	Start 6725	0	0	0	N			\dashv		
Green	Stop DIO									
Survey # 4	Total hrs3						# Birds	Sex	UTM E	UTM N
Observer(s)	28 June									
chet	Start 0635	0	0	0	N					
McGaugh	Stop 100	"		_						
	Total hrs 4.5									
Survey # 5 Observer(s)	Pare VIVE &						# Birds	Sex	UTM E	UTMN
chat	Start.			احا	x/					
Mc Gaugh	Stop	0	0	0	N					
-	Total hrs4.5						 -			
Overall Site Su Totals do not equa each column. Inch esident adults. D nigrants, nesding	Immary I the sum of ide only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato				No
ledglings, Se careful not to d ndividuals.	louble count	0	0	0	0	If yes, report color combi- section on back of form a	nation(: nd repo	s) in th at to C	e comments ISFWS.	
Total Survey Hrs2	0.25									
Reporting 1	Individual _	Stephe	en J.	Myer	5	Date Report Completed	13	Seq	# 2010	011
US Fish an	∄ Wildlife S	ervice Pe	rmit# 🛭	か4 <i>2</i> のろ	-9	State Wildlife Agency F by September 1st. Retain	'ermit f a conv			0V
	Sugar 1	10 U		- DIMID IVE		2) 20p. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	- FJ		-	

Affiliation	on AMIEC E	stephen J. aith and Ei ghen "Nichol	nvi10nmenta	d		Phone # 951-369-8060 xIII E-mail stephen myers @ amcc . com Date Report Completed 13 Sept 2010
Did you If site na If site wa	verify that this s me is different, as surveyed last	•	stent with that use used in the past yey the same gene	?eral area this ye	rears? Yes	No Not Applicable XNo If no, summarize below. No If no, summarize below.
						state Tribal Private <u>X</u>
		~1690 (m	_	,		
Vegetatio	on Characteristic	s: Mark the categ	ory that best des	cribes the predo	ominant tree	s/shrub foliar layer at this site (check one):
	Native broadlea	f plants (entirely	or almost entirely	y, > 90% native	, includes h	igh-elevation willow)
<u>×</u>	Mixed native an	id exotic plants (n	nostly native, 50	- 90% native)		
	Mixed native an	d exotic plants (n	nostly exotic, 50	- 90% exotic)		
1	Exotic/introduce	d plants (entirely	or almost entirely	y, > 90% exotic	:)	
Identify th Sali)	he 2-3 predomin K laevigata	ant tree/shrub spe	ecies in order of o	dominance. Us	e scientific Populus	name.
		(Do not include a				
Attach ske Attach pl	etch or aerial pho notos of the inter	oto showing site	location, patch sl exterior of the pa	hape, survey ro	ute, location	survey site and location of WIFL detections. In of any WIFLs or WIFL nests detected. In the second
			··			
						
Territory S	Summary Table.	Provide the follo	wing informatio	n for each veri	fied territory	y at your site.
Territory Number	All Dates Detected	UTM N	UTM E	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)
						
						2

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

	<u>140</u>) 101 41	Wille	u Flucata	her (WIF	L) Survey an	d Detection Form (revised	i Aprii	2010)		
Site Name USGS Qu	SCE IV	y ghen ake Els	" La	ke ste Alberhi	cet" (3) State A Count Elevation 36	y <u>β</u>	vers	ide (met	ers)
Creek, Riv	ver, Wetland	or Lake	Name	emesca	Wash	ightings attached (as requi	ired)?		YesX N	o
Survey Co	ordinates: S	tart: E	463800	D D	N 3732	000 UTM	Datum Zone _	WGS 8 II S	<u>U</u> (See instruc	tions)
If sur	vey coordina	tes chang	ed betwee	n visits, er	iter coordinat	es for each survey in comm nation on back of this	ients se	ction	on back of this	s page.
Survey # Observents) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Torritories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior, evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	GPS Co (this is individu	ordinate an optio uals, pai rvey).	es for WIFL Dete nal column for de ns, or groups of b nelude additional	ocumenting irds found on sheets if
Survey # 1 Observer(s)	Date 24 May 10						# Birds	Sex	UTM'E	UTMN
Stephen Myers	24 May 10 Start 0630 Stop 1015 Total hrs 4	0	0	0	Ν					
Survey#2 Observer(s) John Green	Date 2 June Start 0720 Stop 0425 Total hrs 2	0	0	0	N		* Birds	Sex	VIME	UTMN
Survey #3 Observeds) Chet Mc Gaugh	Date 12 June Start 40 Ston 1040 Total hrs 4	0	0	0	N		# Birds	Sex	UIME	UTM N
Survey # 4 Observer(s) John Green	Date 1 July Ston 0650 Ston 0930 Total hts 3,5	0	0	0	N		# Birds	Sex	UTM E	UTMN
Survey # 5 Observer(s) John Green	Date 12 July Start 07 15 Stop 1105 Total hrs 4	0	0	0	N		# Birds	Sex	UTM E	UTMN
Overall Site St Totals do not equa each column. Incluses ident adults. D migrants, nestling:	of the sum of ordered only one of include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate				_ No
fledglings. Be careful not to d individuals.	louble count	0	0	0	0	If yes, report color combin section on back of form at	nation(s nd repo	s) in the	SFWS.	
Total Survey Hrs_	17.5					<u> </u>	12	500	t 2010	
Reporting US Fish an	Individual <u>-</u> d Wildlife S <u>Submit</u> fo	eruica Pa	rmit# 🛠	ハ4 フハス	-4	Date Report Completed State Wildlife Agency P by September 1st. Retain of	ermit #	, ,	AMEC M	101/

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Reporti	ng Individual 🔃	stephen J.	Myers			Phone # 75	1 - 367 - 806	ויוא ט
Affiliat	ion <u>AM</u> EC B	earth and E	nvilonment	el		E-mail step!	nen.i. myers	Damec, con
Site Na	me <u>SCE Iv</u>	ygken "Lal	ce Street "			Date Report C	completed 13 5	<u>cot 2010</u>
Did you If site n	verify that this a	site name is consi what name(s) wa	stent with that us s used in the past	ed in previous y	years? Yes	No_	Not Applic	able <u>X</u>
If site w	as surveyed last	year, did you sur general area dur	vey the same gen	eral area this ye	ar? Yes		If no, summa If no, summa	
		for Survey Area : ntity or Owner (e.						ite <u>X</u>
Length o	of area surveyed:	~*************************************	neters)					
Vegetati	on Characteristic	cs: Mark the categ	gory that best des	cribes the predo	ominant tre	e/shrub foliar l	ayer at this site (c	check one):
	Native broadles	of plants (entirely	or almost entirel	y, > 90% native	, includes	high-elevation	willow)	
<u>X</u>	Mixed native ar	nd exotic plants (1	nostly native, 50	- 90% native)				
phi	Mixed native ar	ıd exotic plants (r	nostly exotic, 50	- 90% exotic)				
<u></u> :	Exotic/introduce	d plants (entirely	or almost entirel	y, > 90% exotic	:)			
Identify t Euca	he 2-3 predomin yptus spp.	ant tree/shrub spe , Salik good	cies in order of o	dominance. Us	e scientific	name.		
Average l	height of canopy	(Do not include	a range):		<u> </u>	(meters)	1	
Attach sk Attach pl	etch or aerial photos of the inter	ad/topographical roto showing site rior of the patch, and sheets if neces	location, patch sexterior of the pa	hape, survey ro	ute, locatio	n of any WIFI	s or WIFL nests	detected.
·			- -					
	···		······································					
erritory S	Summary Table.	Provide the folk	wing informatio	n for each verif	ied territor	y at your site.		
erritory Number	All Dates Detected	UTM N	U ТМ Е	Pair Confirmed? Y or N	Nest Found? Y or N	Temi (e.g., voca	tion of How You tory and Breeding lization type, pair ing attempts, beh	g Status interactions,

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/gs/grizona/) for the most up-to-date version.

		Willo	w Flycate	her (WIF	L) Survey an	d Detection Form	(revised	April	2010)	
Site Name	SCE 1	Evyale	n "Ho	stattle	- Road"	State A Elevation	County	R.	vers	side	
USGS Qu	ad Name	berh	ill		7	Elevation	36	5	_	(me	ters)
Creck, Riv	ver, Wetland,	or Lake	Name	CMESCA	wash	ightings attached (as requi	red)?		YesX 1	Vo
										all continue	:
Survey Co	ordinates: S	tart: E	764 /5 441200		N 3737	300 800	UTM I GTM 2	Datum! Zone	11 S	D4 (See tustra	cuons)
(f sur	o vey coordina	tes chang	ed betwee	n visits, er	iter coordinat	es for each survey i	n comm	ents se	ction	on back of the	s page.
	.,	**	Fill in ac	dditiona	site inform	nation on back	of this	page	**		
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird is evidence of pairs or or potential threats [livest cowbirds, Diorhabda : Diorhabila found, cont USFWS and State WII coordinator	eeding; tock, spp.]), If tact	(this is a individual	an optic rals, pa rvey).	tes for W!FL Del onal column for c its, or groups of Include additions	locumenting birds found on il sheets if
Survey # 1	Date					-		# Birds	Sex	UTM E	UTMN
Observer(s) Chet McGaugh	Z& May Ko Start 0705 Stop 1045 Total brs 3.5	0	0	0	N						
Survey # 2	Date							# Birds	Sex	UTME	UTM N
Observer(s) Chet McGough	2 June Stant 0645 Stop 100 Total hrs4,25	0	0	0	N						
Survey # 3	Date		 -				"	⊌ Birds	Sex	UTM E	UTM N
Observer(s) John	11 June										
Green	Start CF 55	ρ	α	0	N				_		† <u>-</u>
0 ,000	1000				,						
:	Total hrs.3_							# Birds	Sex	UTM E	UTM N
Survey # 4 Observer(s)	Date 2July										
Chet	Start O6-45			_			į				ļ
McGayh	Stop /030	0	0	0	N						 -
-	Total hrs 3.75	-				ľ				 -	 -
Survey # 5	Dave		-					# Birds	Sex	UTM E	UTM N
Observer(s) Stephen	Date 12 July								<u> </u>		
Munis	Start 45									_	
	Stop // // // // // // // // // // // // //										
	Total hrs 💆		,, <u>.</u>				_			<u> </u>	
Overall Site St Totals do not equa- each column. Inclu- resident adults. D migrants, nestling	al the sum of ude only to not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow					
fledglings. Be careful not to clindividuals.		0	0	0	0	If yes, report colo section on back of	r combir f form ar	ation(: id repo	s) in t ort to l	ne comments USFWS.	
Total Survey Hrs	18.5	L				<u> </u>				# a	
Reporting	Individual _	Steph	on J.	Myer.	<u> </u>	Date Report Co	mpleted			pt 2010 AMEC 1	4017
US Fish ar	a waldifa Q	amica Pe	urmit#L Y	በዜ /በ ዶ		State Wildlife A by September 1st.	gency P <i>Retain a</i>	emul # 1 <i>CODV</i>	for vo	our records.	
	កិត្តសព្រ]រ	orac ta U		- J.a.D 77 1		-7 P					

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Report	ing Individual	Stephen J Earth and E	Myers	<u>. 1</u>	F	hone # 951	- 369	8060 >	<u>ell </u>
Site Na	ime SCE IV	<u>iglen "Hoste</u>	Her Road	<u>~</u>	I	Phone # <u>951</u> E-mail <u>stephe</u> Date Report Co	mpleted	13 Sept	<u>m(c ,</u> cou 2010
If site r	iame is different, vas surveyed last	site name is consi , what name(s) wa t year, did you sur e general area dur	is used in the pas vey the same ger	st? neral area this ye	ears? Yes		Not _ If no,	Applicable summarize	below.
Manage	ement Authority	for Survey Area : Entity or Owner (e.	Federal	Municipal/Cour	nty 🗴 S	tate Tril	oal	Private 2	
		~920 (n		- —					
Vegetat	ion Characteristi	es: Mark the categ	gory that best de	scribes the predo	ominant tree.	/shrub foliar la	yer at this	s site (checl	k one):
		af plants (entirely							
X	Mixed native as	nd exotic plants (1	mostly native, 50) - 90% native)					
		nd exotic plants (r							
	Exotic/introduce	ed plants (entirely	or almost entire	ly, > 90% exotic	:)				
Identify Salix	the 2-3 predomin	nant tree/shrub spe 	ecies in order of	dominance. Use	e scientific n lepi s	iame			
Average	height of canopy	(Do not include	a range):	12_	·	(meters)			
Attach co Attach sk Attach p	opy of USGS qua setch or aerial ph hotos of the inter		map (REQUIRE) location, patch s exterior of the pa	D) of survey area shape, survey rou	ite, location	(meters) survey site and of any WIFLs	or WIFL	nests detec	stections. oted.
Attach co Attach sk Attach p	opy of USGS qua setch or aerial ph hotos of the inter	y (Do not include a ad/topographical r toto showing site rior of the patch, o	map (REQUIRE) location, patch s exterior of the pa	D) of survey area shape, survey rou	ite, location	(meters) survey site and of any WIFLs	or WIFL	nests detec	etections.
Attach co Attach sk Attach p	opy of USGS qua setch or aerial ph hotos of the inter	y (Do not include a ad/topographical r toto showing site rior of the patch, o	map (REQUIRE) location, patch s exterior of the pa	D) of survey area shape, survey rou	ite, location	(meters) survey site and of any WIFLs	or WIFL	nests detec	etections.
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Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

						d Detection Form (revise						
Creck, Riv	ver. Wetland.	or Lake	Name 7	emes ca	il Wash	(5) State A Count Elevation 36				ters)		
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If sur	vey coordina	tes chang **	ged betwee Fill in ac	n visits, ei dditionai	iter coordinat I <i>site inforn</i>	es for each survey in comm nation on back of this	page	**	OH Dack Of the	<u>-</u> -	_	
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior, evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is individu	an optic rals, pa rvey).	tes for WIFL Det onal column for a irs, or groups of Include additions	locumenting birds found on al sheets if		
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Observer(s) Chot McGaagh	2 June Start Stop	0	0	0	Ν						-	
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Survey # 4							# Birds	Sex	UTM E	UTM N	7	
Observer(s) Chet McGrayh	Date 2 July Start Stop Total hrs .5	0	0	0	N						- - -	
Survey # 5					-		# Birds	Sex	UTM E	UTM N	7	
Observer(s) Stephen Myers	Bate 12July Start Stop Total hrs	0	O	0	И							
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fledglings. Be careful not to cindividuals. Total Survey Hrs_	2.5	0	0	0	0	If yes, report color combi- section on back of form a	nd repo	rt to l	JSFWS.			
Reporting US Fish ar	Individual _c d Wildlife S <i>Submit f</i> e	ervice Pe	rmit#_ X SFWS and	04203 1 State Wi	- 9 Idlife Agency	Date Report CompletedState Wildlife Agency For by September 1st. Retain.	ermit #	for yo	AMEC 1 AMEC 1 our records.		1/2"	
* Pari	+ of	9	lara	er s	5 urves	y area; se	e ``l	105	tett/er	Roge	1 (4)	

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Reporti	ng Individual 🧐	Stephen J	. Myers			Phone # 951 - 369 - 8060 x111
				el.		E-mail stephen myers @ amec. co
Site Na	me SCE IVY	earth and E len "South of	Deforma Ro	rad "		Phone # 951 - 369 - 8060 xIII E-mail Stephen : myels @ amcc. Co Date Report Completed 13 Scot 2010
Did you If site no If site w	iverify that this ame is different, as surveyed last	site name is consi what name(s) wa year, did you sur	stent with that us s used in the past vey the same gen	ed in previous : ?eral area this ye	years? Yes	No Not Applicable X
Dia you	survey the same	general area dur	ing each visit to t	this site this yea	r? Yes	No If no, summarize below.
Manage Name of	ment Authority f f Management E	for Survey Area : ntity or Owner (e	Federal .g., Tonto Nation	Municipal/Cou al Forest)	nty <u>X</u>	State Tribal Private X
Length o	of area surveyed:	~/ 70 (n	neters)			
Vegetati	on Characteristic	es: Mark the categ	gory that best des	cribes the pred	ominant tre	e/shrub foliar layer at this site (check one):
<u>X</u> _	Native broadles	af plants (entirely	or almost entirel	y, > 90% native	, includes l	nigh-elevation willow)
	Mixed native ar	nd exotic plants (1	mostly native, 50	- 90% native)		
	Mixed native ar	nd exotic plants (r	nostly exotic, 50	- 90% exotic)		
	Exotic/introduce	d plants (entirely	or almost entire!	y, > 90% exoti	=)	
Identify t	he 2-3 predomin	ant tree/shrub spe	ecies in order of a	dominance. Us Quercus	e scientific agri tolia	name.
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Attach sk Attach pi	etch or aerial pho notos of the inter	oto showing site	location, patch sl exterior of the pa	hape, survey ro	ute, locatio	survey site and location of WIFL detections. n of any WIFLs or WIFL nests detected. ibe any unique habitat features.
						
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erritory S	Summary Table.	Provide the folk	owing informatio	n for each veri	fied territor	y at your site.
erritory Jumber	All Dates Detected	UTM N	UTM E	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)
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Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/
southwest/es/arizona/) for the most up-to-date version.

JCK: 4	العاروس	, Millo	w riyeate	ner (WIF	L) Survey an	d Detection Form (revised	. αρ. ι . Ο		, cida		
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Creek Riv	er Weiland	or Lake	Name 7	emes ca	il Wash						
Is cop	y of USGS i	nap mari I	kea wiin s (urvey area	anu mirus 7 772	ightings attached (as requ	,, cu,,				•
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If surv	ey coordina	tes chang	ed betwee	n visits, er	iter coordinat	es for each survey in comm	ents se	ction	on back of this	page.	•
		** _	Fill in a	dditional	site inform	nation on back of this	ı		es for WIFL Dete	etians	
Survey # Observer(s) (Full Name)	2010 Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	potential threats [livestock, cowbirds, Diorhabda spp.]). If	(this is individ	an optic uals, pa rvey).	nal column for de irs, or groups of b include additional	ocumenting irds found on	
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Survey # 5	Date 12 Jul						# Birds	Sex	UTM E	UTMN	
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314	Stop	V	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	()	Ν		<u> </u>			ļ	
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Overall Site Su Totals do not equa each column. Inch resident adults. De migrants, nestlings	ammary I the sum of ide only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate				/A _No	
fledglings, Be careful not to d individuals,	ouble count	0	ŋ	G	0	If yes, report color combined in the section on back of form as	nation(nd repo	s) in t ort to t	he comments JSFWS.		
Total Survey Hrs		Stock	<u> </u>	Muss	l	Date Report Completed	13	Ser	of 2010		,
Reporting I US Fish an	Individual d Wildlife S	amrice De	ermit#S	カルフカス	. – 4	State Wildlife Agency I State Wildlife Agency I v by September 1st. Retain	ermit f	¥	AMEC N	101/	

* Part of a larger survey aven; See "Hostottler Road" (4)

Attach additional sheets if necessary

Reporti	ing Individual 🕺	Stephen J	. Myers			Phone #	951-1	3 <i>69</i> - 8	3060 x	all
Affiliat	ion AMEC E	arth and E	. Myers nvilonment	e		E-mail 5	tephen.	, mye	15 @ al	mec , co
Site Na	me					Date Repo	ort Comp	leted 1	3 Scpt	2010
Did you If site n If site w Did you Manage Name of Length o	me_ a verify that this ame is different, as surveyed last a survey the same ment Authority f f Management E of area surveyed: Native broadlea Mixed native ar	site name is consistename (s) wayear, did you sure general area dure for Survey Area: ntity or Owner (eas: Mark the cate of plants (entirely and exotic plants (and e	istent with that us is used in the passivey the same gening each visit to Federal	sed in previous t? teral area this yea this site this yea Municipal/Counal Forest) scribes the pred ty, > 90% native - 90% exotic)	years? Yes car? Yes ar? Yes unty X ominant tre	No State	Tribal	Not Ap	mmarize munarize Private <u>A</u>	below.
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ays check the	U.S. Fish	and Wil	dlife Ser	vice Ari	zona Ecolog	gical Services Field Of	fice w	eb sit	e (http://ww	<u>w.fws.go</u>
west es/arizo								1010		
2ct	14756	77WIII0	w Flycate	her (WIF	L) Survey at	nd Detection Form (revise	a April O 1	2010		
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USGS Qu Creek, Riv	ad Name <u></u> ver. Wetland	or Lake	Name 7	iemesca Temesca	el wash	Elevation _ 3 =				
is cop	ny of USGS i	map mari	kea wiin s	шгусу агес	a ana mir. Pi	nganags unacaeu (us requ	meny.		7 CD - 7	·
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11 201	vey coordina	ites chang	Fill in a	dditiona	l site infor	mation on back of this	page	**		
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Stephen	Jaan -			•						
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Overall Site St Totals do not equa each column, Inclu resident adults, D migrants, nestling:	I the sum of ade only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate	tchers color-banded? Yes No _			
fledglings. Be careful not to d individuals.		A	0	8	0	If yes, report color combi section on back of form a	ibination(s) in the comments and report to USFWS.			
Total Survey Res		,	7			1				

Reporting Individual Stephen J. Myers

Date Report Completed 13 Sept 2010

US Fish and Wildlife Service Permit # 804203-9

State Wildlife Agency Permit # AMEC MOV

Submit form to USFWS and State Wildlife Agency by September 1". Retain a copy for your records.

** Part of a larger survey oven, see "Hostettler Road" (4)

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Report	ing Individual 🜊	stephen J.	Myers]	Phone #	751-36	7-8060 XIII
Affiliat	ion AMEC E	arth and E	nvilonment	e		E-mail ≤	tephen .i.	myers @ amcc , co
Site Na	me					Date Repo	ort Complet	myers @amcc. co
If site n	ame is different,	what name(s) was	s used in the pas	it?	years? Yes	1	No N	iot Applicable 🗶
If site w Did you	vas surveyed last y survey the same	year, did you surv general area duri	vey the same ger ing each visit to	neral area this ye this site this yea	ear? Yes r? Yes			no, summarize below. no, summarize below.
Manage Name o	ment Authority for f Management En	or Survey Area : atity or Owner (e.	Federal g., Tonto Natio	Municipal/Counal Forest)	nty <u>X</u> S	State	Tribal	Private <u>X</u>
Length	of area surveyed:	<i>~60</i> (π	neters)					
Vegetati	ion Characteristic	s: Mark the categ	ory that best de	scribes the prede	ominant tres	shrub fo	liar layer at	this site (check one):
	Native broadlea	f plants (entirely	or almost entire	ly, > 90% native	, includes h	iigh-eleva	tion willow)
×	Mixed native an	d exotic plants (r	nostly native, 50) - 90% native)	-			
	Mixed native and	d exotic plants (n	nostly exotic, 5() - 90% exotic)				
-	Exotic/introduced	d plants (entirely	or almost entire	ly, > 90% exotic	c)			
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ttach sk ttach p	py or USOS quaretch or aerial pho hotos of the interi	to showing site or of the patch, e	location, patch : exterior of the pa	shape, survey ro	ute, location	n of any V	VIFLs or W	ion of WIFL detections. IFL nests detected. t features.
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Attach additional sheets if necessary

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.f	<u>ws,2ov</u>
southwest'es/arizona/) for the most up-to-date version.	

Site Name USGS Qu Creek, Ri	ad Name <u>1</u> ver, Wetland	<i>ves I</i> , or Lak	e Nan	741 ne 1	4e Teme	eri Sca	S Wash	d(8) State A_Cour	3/5	ver:	(me	ters)
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Survey Co	oordinates: S	start: E_	45	69	<u>50</u>		N 37.	UTM UTM utes for each survey in com	Datum	WGS	(See instru	ctions)
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Reporting I	ndividual <u> </u>	ervice F	ermit	# X	042	03	-4	Date Report Complete State Wildlife Agency y by September 1". Retain	Permit #		4MIC 11	101

Report	ing Individual _	Stephen J.	, Myers			Phone # 45	1 - 369 -	8060 XIII	_
Affiliat	tion AMEC E	aith and E	nvilonment	el		E-mail Step	ien . i. my	eis Damce	com
Site Na	me					Phone # 43 E-mail 57cp Date Report C	ompleted _	13 Sept 20	510
Did you If site n If site w Did you Manage Name o	a verify that this ame is different, was surveyed last a survey the same sment Authority of Management E	site name is consi what name(s) wa year, did you sure general area dur for Survey Area: intity or Owner (es: ~80 (n	s used in the past vey the same gen ing each visit to t Federal .g., Tonto Nation neters)	?	years? Yes ear? Yes r? Yes	No No No No No State To	Not A	ummarize belo ummarize belo Private X	
· cgctatt	OII CHAIACICH SI	cs. Mark the cates	gory mai best des	cribes the prede	ommant tre	e/snrud ioliar i	ayer at this	site (check on	e <i>)</i> :
	Native broadles	af plants (entirely	or almost entirely	y, > 90% native	e, includes l	nigh-elevation	willow)		
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Average	height of canopy	(Do not include	a range):			(meters)		<u></u>	
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erritory umber	All Dates Detected	UTM N	UTM E	Pair Confirmed? Y or N	Nest Found? Y or N	Terri (e.g., voca	tory and Br lization type	You Confirm eeding Status e, pair interacti s, behavior)	i •
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E Ivyg Site Name					_	d Detection Form (revised) State A Count Elevation				
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iurvey # 4 Observer(s)	Date				[# Birds	Sex	UTM E	
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ie careful not to d adividuals.	ouble count	Ģ	0	9	0	section on back of form a	nd repo	nt to L	ISFWS.	
otal Survey Hrs_		<u>_</u> ,,		. Myer	<u> </u>	Date Report Completed	. 12	500	£ 2010	

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Report	ing Individual	stephen J	. Myers			Phone # 751	<u>- 369-80</u>	60 XIII
		earth and E	nvilonment	tel		E-mail stephe	n.j.myeis	<u>Oamec.</u> con Sept 2010
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Did you	survey the same	e general area du	ring each visit to	this site this yea	ar? Yes	No	_ If no, summ	narize below.
Manage Name o	ment Authority : f Management E	for Survey Area : Intity or Owner (e	Federal_ e.g., Tonto Natio	Municipal/Counal Forest)	anty <u>X</u>	State Trib	oal Pri	vate <u>X</u>
Length	of area surveyed:	~180 (1	meters)					
Vegetati	on Characteristi	cs: Mark the cate	gory that best de	scribes the pred	ominant tre	e/shrub foliar lay	yer at this site	(check one):
	Native broadles	af plants (entirely	or almost entire	ly, > 90% nativ	e, includes l	high-elevation w	illow)	
×	Mixed native as	nd exotic plants (mostly native, 50	0 - 90% native)				
	Mixed native at	nd exotic plants (mostly exotic, 50) - 90% exotic)				
		d plants (entirely						
dentify t	he 2-3 predomin	ant tree/shrub sp	ecies in order of	dominance. Us	se scientific	name. Sali	X <i>SPP</i> .	, Populus s
verage	height of canopy	(Do not include	a range):	12		(meters)		,
ttach p	hotos of the inter	oto showing site	exterior of the pa	shape, survey ro	ute, locatio l site; descr	n of any WIFLs ibe any unique h	or WIFL nest	s detected.
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Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time 2010			Estimated Number of Pairs		Estimated Number of Territories				potential threats (livestock, cowoirds, Ditorhahda spp.)). If	(this is individ	GPS Coordinates for WIFL Detections (this is an optional column for documenting individuals, pairs, or groups of birds found o each survey). Include additional sheets if necessary.			
Survey # 1	Date 24	\vdash	┪						-	-	# Birds	Sex	UTME	UTM	
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Overall Site Summary Totals do not equal the sum of each column. Include only resident adults. Do not include migrants, nestlings, and fledglings. Be careful not to double count individuals.		Total Adult Resider	:	Total Total Pairs Territorie:			Total Nesis		Were any Willow Flycatchers color-banded? YesNo						
				00			0		If yes, report color combination(s) in the comments section on back of form and report to USFWS.						
	*	⁄سا	Ì	Ų	,										
Total Survey Hrs_	7) Individual <u> </u>	<u></u>	Ļ١		_	<u> </u>		<u></u> _	· -	Date Report Complete	. 12	<	of 2010		

Reporting Individual Step New J. Myers

US Fish and Wildlife Service Permit # 804203-9 State Wildlife Agency Permit # AMEC MOV

Submit form to USFWS and State Wildlife Agency by September I". Retain a copy for your records.

** Part of a larger Survey area: see "Lake Street(3)"

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Reporti	ng Individual 🚉	Stephen J. arth and E	Myers			Phone # 951 - 369	-8060 xIII	
Affiliat	ion AMEC E	arth and E	n <i>vilonma</i> nt	al		Phone # <u>951 - 369</u> E-mail Stephen m Date Report Completed	yers o amec . con	n
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		year, did you surv general area duri		neral area this ye	ear? Yes	No If no, No If no,		
Manage Name of	ment Authority f f Management E	for Survey Area : ntity or Owner (e.	Federal g., Tonto Nation	Municipal/Cou	inty <u>X</u>	State Tribal	Private X	
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Vegetati	on Characteristic	es: Mark the categ	ory that best des	scribes the prede	ominant tre	e/shrub foliar layer at th	is site (check one):	
	Native broadles	of plants (entirely	or almost entire	ly, > 90% native	e, includes l	nigh-elevation willow)		
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dentify t	he 2-3 predomin	ant tree/shrub spe	cies in order of	dominance. Us	e scientific	name. Sali'X sp	. , Tarnarix	aphyl
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APPENDIX C WESTERN YELLOW-BILLED CUCKOO SURVEY FORMS

Page of Z

Yellow-billed Cuckoo Survey Data Form (2009)

Non-Survey Detection (check box)

0 ٥ Observer: C. Mc Gaugh O Date: Transect Start Time: Transect Stop Time: Visit #: Zone: NAD: Survey Period: Start GPS acc. (m): Stop GPS acc. (m): GPS#: Transect #: Site Name: Baker St. Habitat: UTM Start N: UTM Start E: UTM Stop E: UTM Stop N Site Code: Drainage:

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Site Code: Site Name: Baker Str. Transect #: Survey Period: Visit #: Date: Drainage: Habitat: GPS #: Transect Start Time: Image: >Yellow-billed</th> <th>Yellow-billed Cuckoo Survey Data Form (2009)</th> <th>vey Data]</th> <th>Form (2009)</th> <th>Non-Surve</th> <th>Non-Survey Detection (check box)</th> <th>10 297</th>	Yellow-billed	Yellow-billed Cuckoo Survey Data Form (2009)	vey Data]	Form (2009)	Non-Surve	Non-Survey Detection (check box)	10 297
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Stop GPS acc. (m): NA	UTM Start N:					Zone:	
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Site Owner:	State:	County:			Data Entry:	
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Non-Survey Detection (check box)

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Yellow-billed Cuckoo Survey Data Form (2009)

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Yellow-billed Cuckoo Survey Data Form (2009)

Non-Survey Detection (check box)

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Site Name: Nichols Rd							State:		
Site Code:	Drainage:	UTM Start E:	UTM Start N:	UTM Stop E:	UTM Stop N		Site Owner:		

Temp (F⁰) start/stop:**6/80**

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Yellow-billed Cuckoo Survey Data Form (2009)

Non-Survey Detection (check box)

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Yellow-billed Cuckoo Survey Data Form (2009)

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Yellow-billed Cuckoo Survey Data Form (2009)

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UTM Stop N					Observer: C. Mc Gaugh	S S	Acros			

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Wind: 84	Cloud Cover: 6	Precip:	Noise:	Temp (F ⁰) start/stop: 64/67		

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Other Species:		

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Non-Survey Detection (check box)

Site Code:	Site Name: Lake St.	Transect #:	_	Survey Period: 4 Visit #: / Date:	Date: 08 11 2010	0
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UTM Start N:				Zone:		
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Site Owner:			Wind 6-5 Cloud Cover

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Non-Survey Detection (check box)

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Site Owner:	State:	County			Data Entry:	
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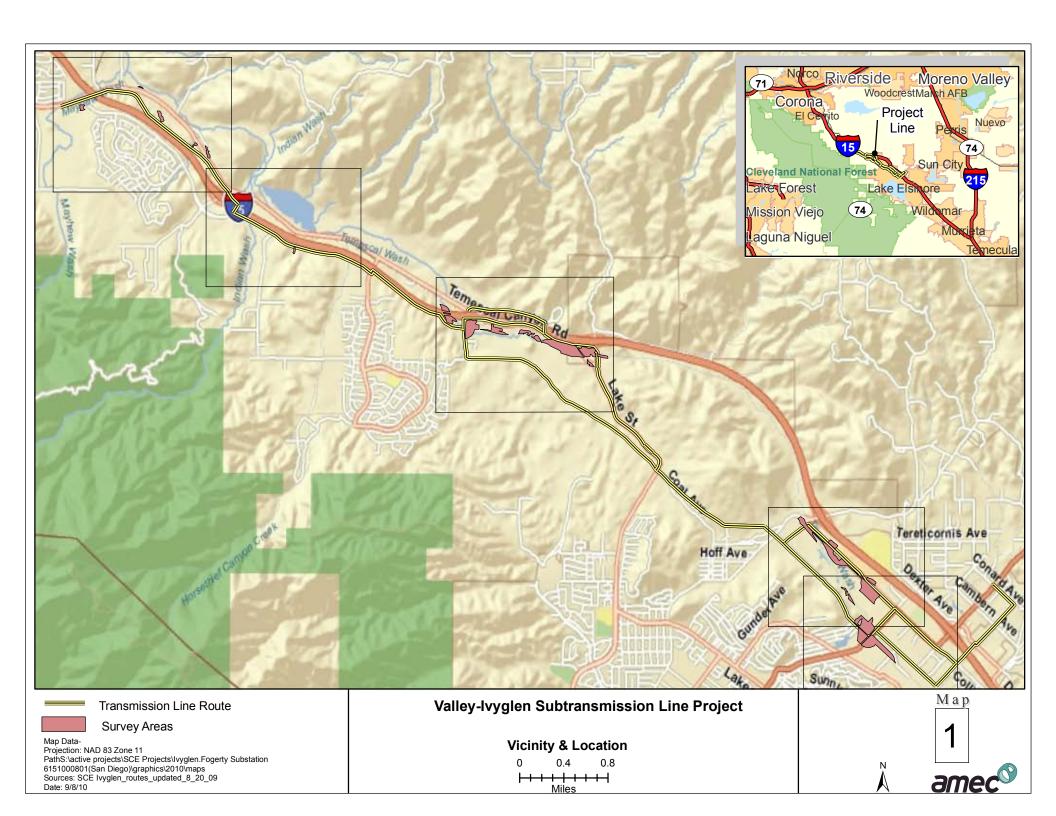
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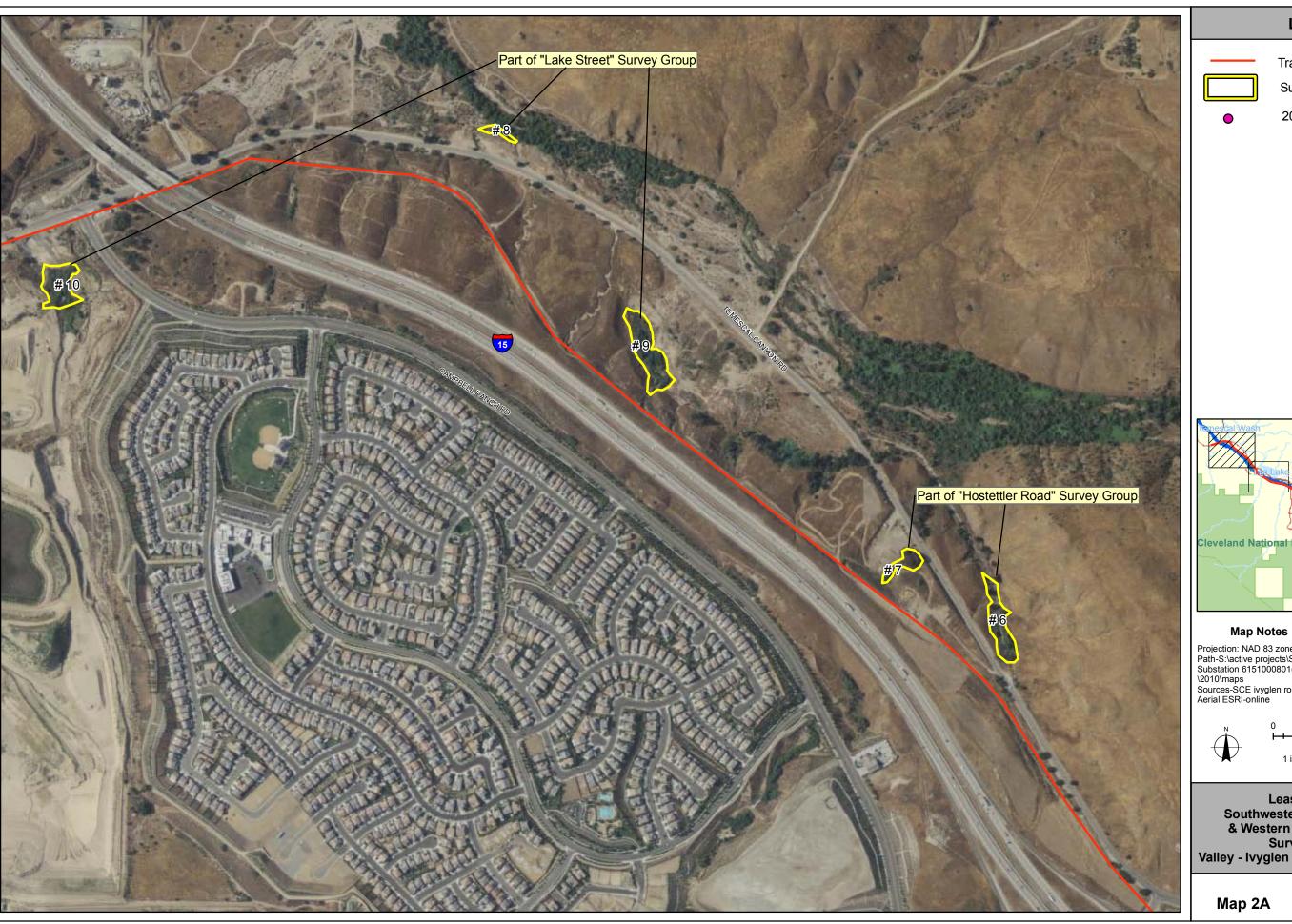
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APPENDIX D MAPS OF SURVEY AREAS AND SURVEY RESULTS





Transmission Route

Survey Area

2010 LBV Sightings



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Sources-SCE ivyglen routes updated 8.20.09
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1 inch = 583 feet

Least Bell's Vireo,
Southwestern Willow Flycatcher,
& Western Yellow-billed Cuckoo
Surveys & Results
Valley - Ivyglen Transmission Line Project







Transmission Route



2010 LBV Sightings

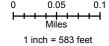
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Map Notes

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Least Bell's Vireo,
Southwestern Willow Flycatcher,
& Western Yellow-billed Cuckoo
Surveys & Results
Valley - Ivyglen Transmission Line Project

Map 2B







Transmission Route

Survey Area

2010 LBV Sightings



Map Notes

Projection: NAD 83 zone 11
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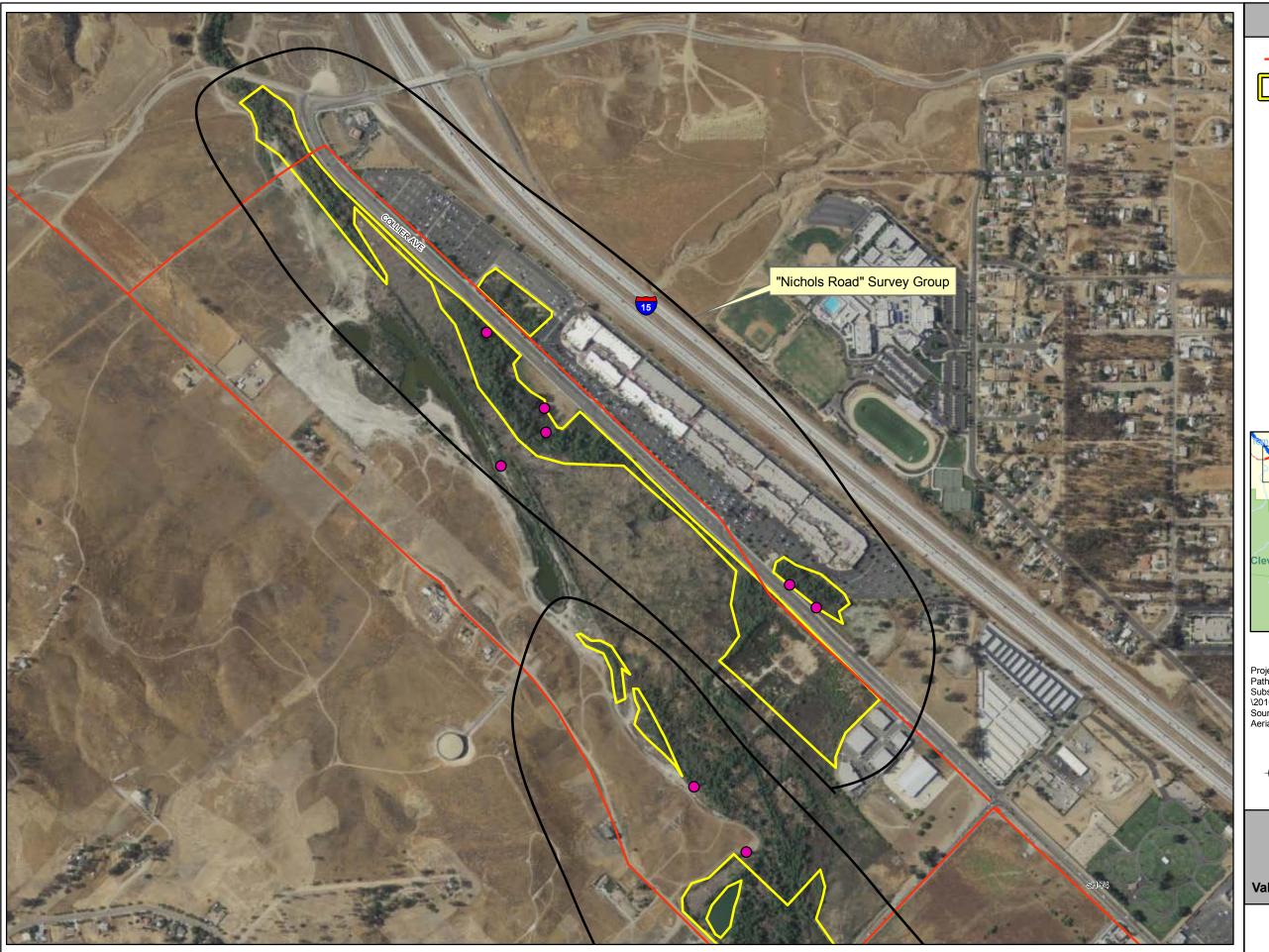


1 inch = 667 feet

Least Bell's Vireo,
Southwestern Willow Flycatcher,
& Western Yellow-billed Cuckoo
Surveys & Results
Valley - Ivyglen Transmission Line Project

Map 2C







Transmission Route

Survey Area



2010 LBV Sightings



Map Notes

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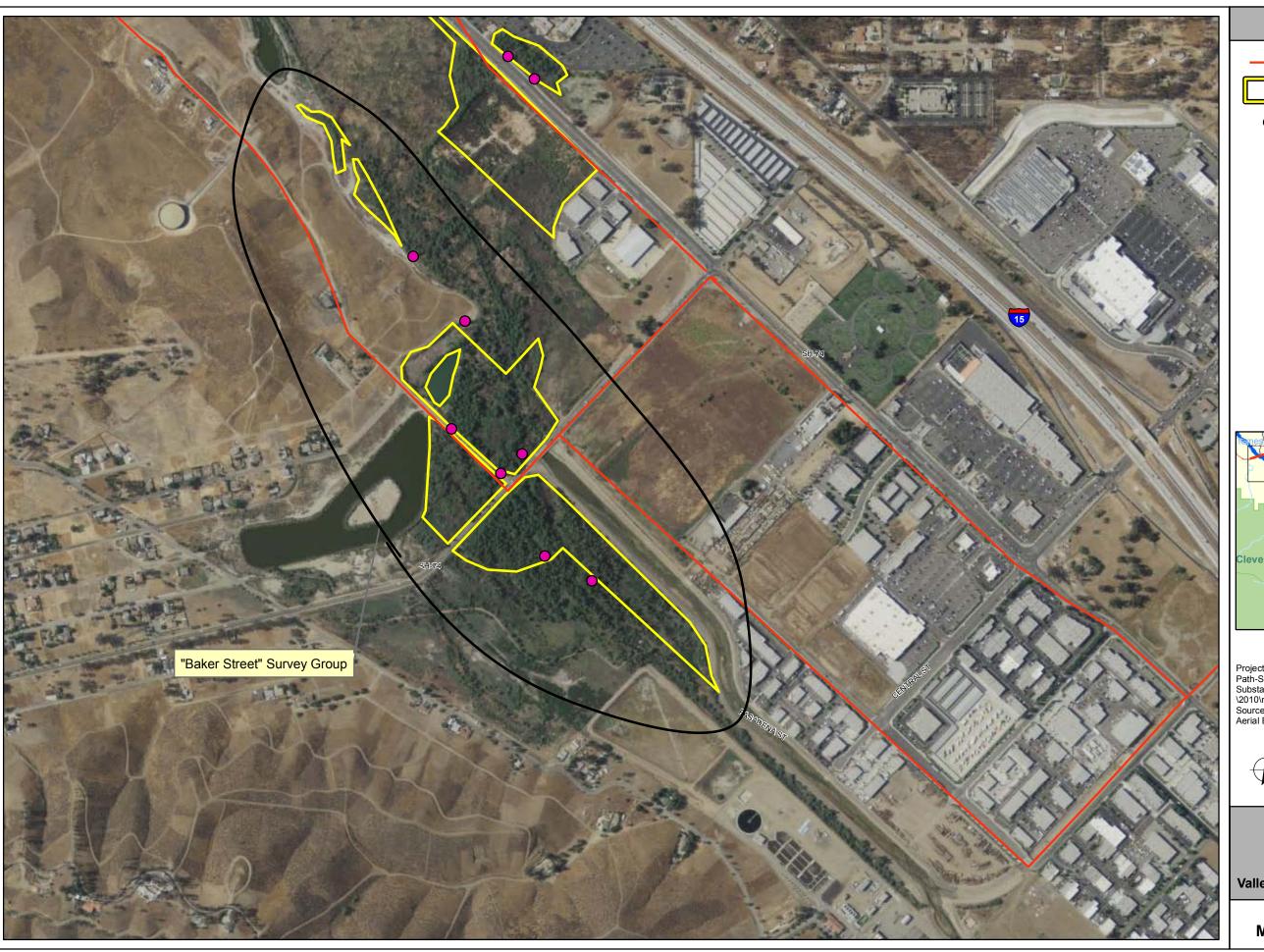


1 inch = 583 feet

Least Bell's Vireo,
Southwestern Willow Flycatcher,
& Western Yellow-billed Cuckoo
Surveys & Results
Valley - Ivyglen Transmission Line Project

Map 2D







Transmission Route

Survey Area



2010 LBV Sightings



Map Notes

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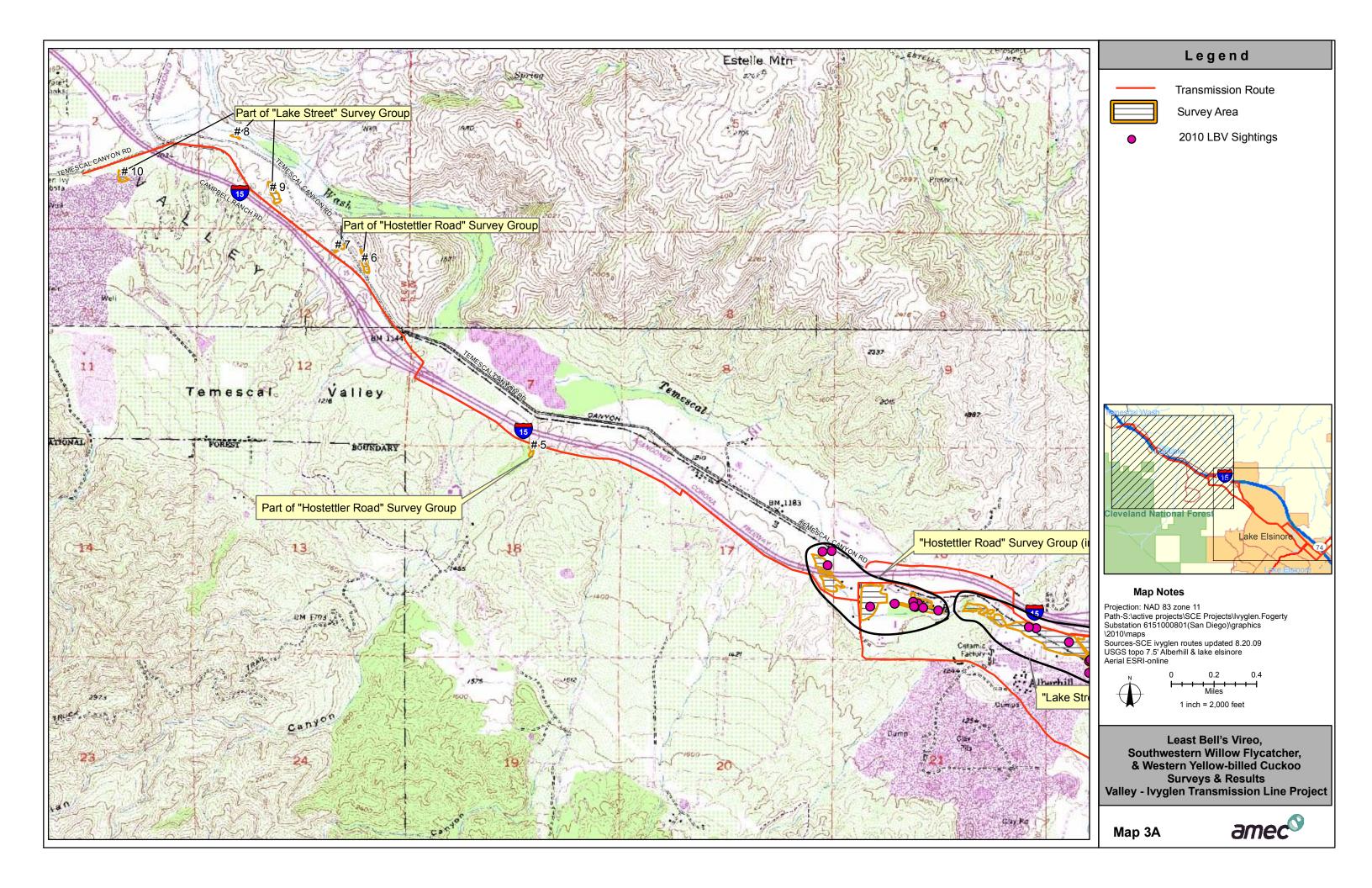


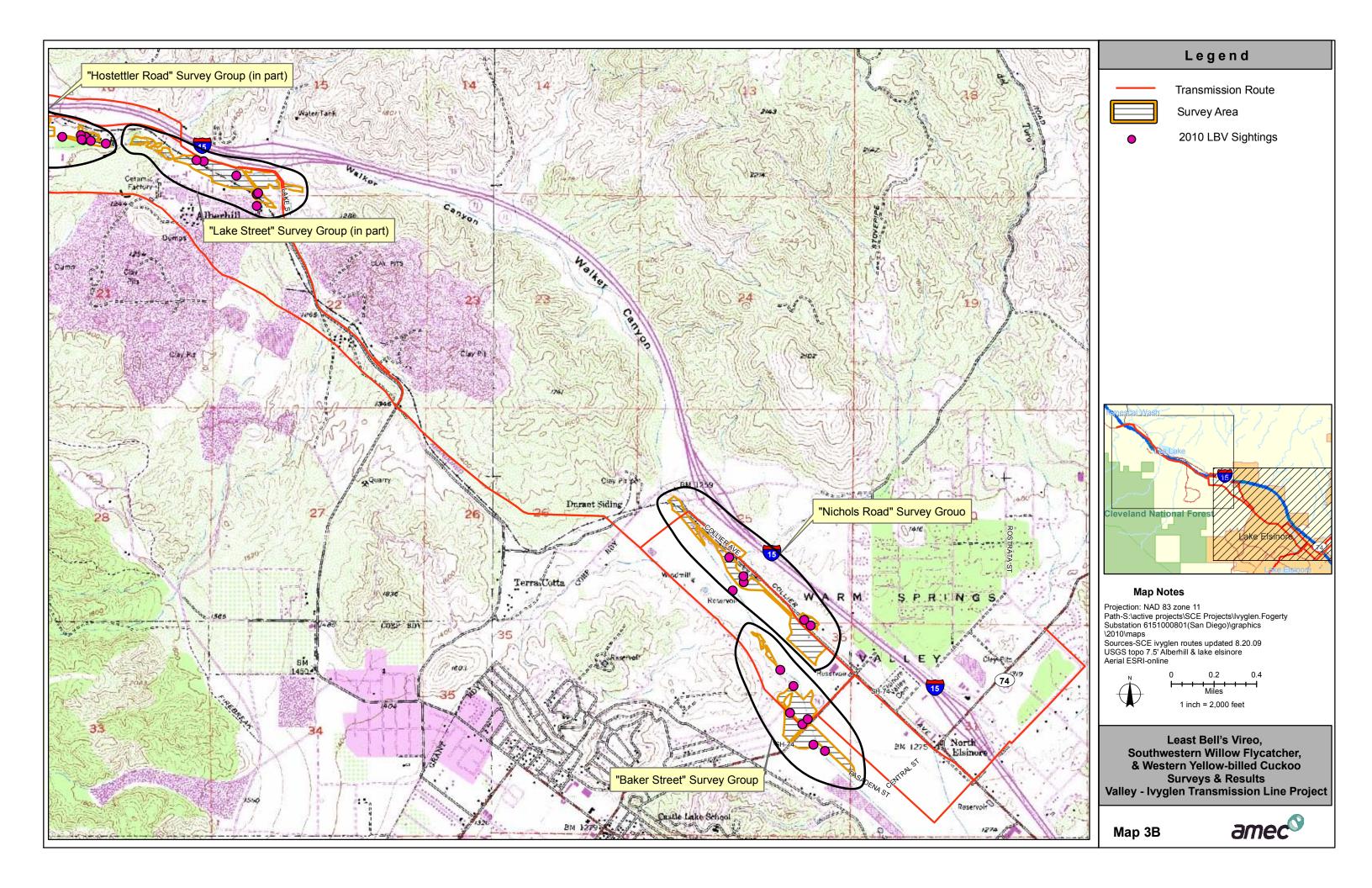
1 inch = 583 feet

Least Bell's Vireo,
Southwestern Willow Flycatcher,
& Western Yellow-billed Cuckoo
Surveys & Results
Valley - Ivyglen Transmission Line Project

Map 2E









VALLEY- IVYGLEN SUBTRANSMISSION LINE PROJECT 2011 FOCUSED SURVEYS FOR LEAST BELL'S VIREO, SOUTHWESTERN WILLOW FLYCATCHER, AND WESTERN YELLOW-BILLED CUCKOO



Submitted to:

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Contact: Roger Overstreet

Submitted by:

AMEC Environment and Infrastructure, Inc. 3120 Chicago Avenue, Suite 110 Riverside, CA 92507 (951) 369-8060

11 November 2011

Chet McGaugh
Wildlife Biologist/Ornithologist

AMEC Project No. 1055400435



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1.0 INTRODUCTION

This report presents the findings of focused surveys for the Least Bell's Vireo (*Vireo belli pusillus*), Southwestern Willow Flycatcher (*Empidonax traillii extimus*), and Western Yellow-billed Cuckoo (*Coccyxz americana occidentalis*) at suitable habitat patches along Phase II and portions of Phase I of the Valley-Ivyglen Subtransmission Line (VIG) Project (see Map 1).

1.1 Project Description

The proposed VIG Project involves the construction of a new 115kV subtransmission line which will connect the Valley Substation to the Ivyglen Substation. This subtransmission line will be installed within an existing right-of-way (ROW) where available, and within new ROWs where none have been established. The Valley Substation is located in the southwest corner of an unincorporated area known as Romoland, adjacent to the City of Perris. The Ivyglen Substation is located in the southeastern portion of unincorporated Corona, along Temescal Canyon Road near Glen Ivy Hot Springs. The Ivyglen Substation is approximately 19 miles west of the Valley Substation.

The VIG Project will be processed and built in two phases (Figure 1). Phase I is approximately 12 miles long and is proposed for construction in late 2011. Phase II (approximately 13 miles) is still in the planning phase and will not be constructed for several years. The findings presented in this report are associated with Phase II only. The portions of the Phase II ROW that support suitable habitat for the sensitive riparian bird species traverse portions of the *Lake Elsinore, California, Alberhill, California*, and *Lake Mathews, California* United States Geological Survey (USGS) 7.5-minute series topographic quadrangles. Portions of this alignment were also surveyed for sensitive riparian birds in 2007 and 2010 (AMEC 2007; AMEC 2010).

The Project is located within the Western Riverside County Multiple Species Conservation Plan (MSHCP or Plan) area. The MSHCP is a comprehensive, multi-jurisdictional plan focusing on the conservation of species and their associated habitats in western Riverside County. SCE will be acquiring Project coverage under the MSHCP as a Participating Special Entity (PSE) with the Regional Conservation Authority (RCA) providing the MSHCP consistency review. The surveys presented in this report were performed to satisfy requirements of the MSHCP (Riverside County 2003).



1.2 Species Information

1.2.1 Least Bell's Vireo

Least Bell's Vireo (LBV) is a small, migratory, insectivorous bird which occurs in willow-dominated riparian habitats. Although this bird is drab in plumage (see title page photo - Hostettler Road survey area [16 May 2011]) and can be secretive within its densely vegetated habitat, males are easy to detect on the breeding grounds due to their conspicuous, diagnostic, and frequently given song. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams (Grinnell and Miller 1944, Goldwasser 1978, Franzreb 1987, Garrett and Dunn 1981).

Least Bell's Vireos were formerly widespread and common throughout low-lying riparian habitats of central and southern California, but are now restricted primarily to a limited number of locations in southern California. Habitat reduction has contributed to the species' significant population declines. Nest parasitism by Brown-headed Cowbirds (*Molothrus ater*) has also seriously impacted reproductive success by Least Bell's Vireo, as well as many other species which build cup nests (Goldwasser 1978). Populations are recovering as a result of habitat restoration and cowbird control efforts. Least Bell's Vireo is listed as Endangered by the California Department of Fish and Game (CDFG) and by the U.S. Fish and Wildlife Service (USFWS). A final determination of critical habitat was made in 1994 (USFWS 1994).

1.2.2 Southwestern Willow Flycatcher

The Southwestern Willow Flycatcher (SWF) is a small, brownish flycatcher that was formerly considered a common summer resident in southern California's lowland willow thickets and in low elevation mountain canyons (Garrett and Dunn 1981). The large-scale invasion of southern California by Brown-headed Cowbirds in the 1920s and the loss of willow riparian habitat, has caused the bird to be on the verge of extirpation in southern California. The Willow Flycatcher was listed by the State of California as endangered in 1990. The subspecies *E. t. extimus* (Southwestern Willow Flycatcher) is listed as Endangered by the U.S. Fish and Wildlife Service (USFWS). A final determination of critical habitat was made in October 2005 (USFWS 2005).

Surveys have revealed populations along the Santa Margarita and San Luis Rey rivers in San Diego County, in the San Bernardino Mountains and along the Mojave River in San Bernardino County, the Santa Ynez River in Santa Barbara County, the Santa Clara River in Los Angeles and Ventura counties, the South Fork of the Kern River in Kern County (Unitt 1987, Marshall 2000), and San Timoteo Creek in western Riverside County (R. McKernan, San Bernardino County Museum: pers. comm.). This subspecies also persists in the Lower Colorado River Valley (Marshall 2000, R. McKernan, San Bernardino County Museum, pers. comm.). Unlike LBVs, SWF populations do not appear to have gained any significant benefit from habitat restoration and cowbird control efforts.



The Southwestern Willow Flycatcher breeds in dense riparian habitats near surface water or saturated soil. Plant composition and structure of occupied sites varies greatly depending on the site, but willows often make up much of the understory. Populations along the Colorado River are known to use thickets dominated by both native and nonnative plants (especially salt-cedar [*Tamarix* spp.]). Dense patches of understory vegetation are a critical component of occupied habitat (Sogge *et al.* 2010).

1.2.3 Western Yellow-billed Cuckoo

The Western Yellow-billed Cuckoo (WYBC) is an extremely rare bird in California, with less than 50 pairs found during a statewide survey in 1986-1987. Most of California's Yellow-billed Cuckoos are found in two areas: along the Sacramento River between Red Bluff and Colusa, and along the South Fork Kern River near Weldon (Laymon 1998). Western Yellow-billed Cuckoo was listed as Endangered by the State of California in 1988.

Western Yellow-billed Cuckoos are long distance migrants and return to California from their South American wintering areas in late May and June. Occupied riparian forests are usually larger than 25 acres. Detection of Western Yellow-billed Cuckoos is difficult, as they have large home ranges in dense willow and cottonwood forests and call infrequently. Recorded playback of the species' calls is the recommended method for conducting surveys.



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2.0 METHODS

All of the survey areas (below) were surveyed for LBV and SWF. The habitat structure and/or extent at some of the sites are not suitable for nesting WYBCs. Surveys for the WYBC were conducted at Baker Street, Nichols Road, Lake Street, and Hostettler Road, the only sites with suitable habitat.

In accordance with the currently accepted survey protocol for the Least Bell's Vireo (USFWS 2001), each site was surveyed at least eight times by AMEC Earth and Environment and Infrastructure (AMEC) biologists. The LBV protocol requires surveys to be conducted at least 10 days apart between 10 April and 31 July. The SWF protocol requires five surveys, and that the first survey be performed from 15 May to 31 May, the next two surveys from 1 June to 24 June, and the final two surveys between 25 June and 17 July (Sogge et al. 2010). The SWF surveys were performed concurrently with LBV surveys.

Surveys consisted of slowly moving through the habitat while listening for the songs and calls of the target species. During the SWF surveys, recordings of their vocalizations were broadcast every 20-30 meters, as required by protocol. During WYBC surveys, territorial calls ("Kowlp" calls) were broadcast every 100 meters, with the calls being repeated 5 times at one minute intervals. All bird species detected during the surveys were recorded in field notes.

Surveys were performed by Chet McGaugh (federal Endangered Species Permit TE836517-6), Stephen J. Myers (TE804203-9), and John F. Green (TE054011-2). Tables 1A through 1E summarize the surveys, and Maps 2a through 2k and 3a through 3c, show the survey areas.

2.1 Survey Areas

Areas considered to contain suitable habitat along the western portion of the proposed project route are:

- Baker Street Survey Area: Temescal Wash, near Riverside Drive and Baker Street approximate UTM at south end of survey area: Zone 11, 468250E, 3727250N (WGS84); approximate UTM at north end of survey area: Zone 11, 467100E, 3728700N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Lake Elsinore, Calif. quadrangle (see Maps 2c,2d, and 3b).
 - This area contains well developed riparian forest, woodland, and scrub dominated by willows (Salix spp.), Mulefat (Baccharis salicifolia), and occasional Fremont Cottonwoods (Populus fremontii). Open ponds are also present, and are surrounded by freshwater marsh. One pond along Baker Street is completely covered with Water Hyacinth (Eichhornia crassipes). Temescal Wash in this area contained surface water during the entire survey season.



- Nichols Road Survey Area: Temescal Wash, near Nichols Road_approximate UTM oat south end of survey area: Zone 11, 467600E, 3728400N (WGS84); approximate UTM at north end of survey area: 466500E, 3729700N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Lake Elsinore, Calif. quadrangle (see Maps 2c, 2d, and 3b).
 - The habitat in this survey area is a continuation of that of Baker Street. Proceeding north along Temescal Wash, the habitat becomes somewhat more fragmented, and there is a larger proportion of low, scrubby, willow habitat. Stringers of willow scrub and woodland are separated from one another in this area by large stands of freshwater marsh; a few open ponds are also present. The stream in Temescal Wash flowed throughout this reach during the entire survey season.
- Lake Street Survey Area: Temescal Wash, near Lake Street approximate UTM at east end of survey area: Zone 11, 463800E, 3732000N (WGS84); approximate UTM at west end of survey area: Zone 11, 462770E, 3732300N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Alberhill, Calif. and Lake Elsinore, Calif. quadrangles respectively (see Maps 2e, 2f and 3b).
 - o Temescal Wash in the area of Lake Street is lined with a mixture of native and nonnative vegetation. Gum trees (*Eucalyptus* spp.) are dominant, with intermittent thickets of willows and scattered Fremont Cottonwoods. Surface water was perennial in portions of this area, but intermittent in others. In 2011, the survey area of 2010 was enlarged by the addition of habitat east of Lake Street (Maps 2e and 3b), while disjunct habitat patches ("outliers") surveyed in the Lake Street Survey Area in 2010 were surveyed in the newly established Outliers Survey Area in 2011.
- Hostettler Road Survey Area: Temescal Wash, near Hostettler Road, approximate UTM at east end of survey area: Zone 11, 462750E, 3732300N (WGS84); approximate UTM at west end of survey area: Zone 11, 461300E, 3732800N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Alberhill, Calif. quadrangle (see Maps 2g and 3b).
 - This area is along Temescal Wash, and is downstream and nearly contiguous with the Lake Street area. Some *Eucalyptus* occurs, but most of the vegetation is native willows, cottonwoods, and Coast Live Oaks (*Quercus agrifolia*). The creek was flowing throughout the survey period. In 2011, disjunct habitat patches ("outliers") surveyed in the Hostettler Road Survey Area in 2010 were surveyed in the newly established Outliers Survey Area in 2011.

In 2011, ten (10) disjunct habitat patches, comprising one survey day, were named "Outliers Survey Areas;" some of these areas were surveyed as part of Hostettler Road Survey Area and Lake Street Survey Areas in 2010. Small habitat patches along Highway 74 were added to the survey effort in 2011 (see Maps 2a, 2b, and 3a).



Peach Street Outlier consists of two habitat patches bissected by Highway 74: approximate UTM at east end of survey area: Zone 11, 463800E, 3732000N (WGS84); approximate UTM at west end of survey area: Zone 11, 462770E, 3732300N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Alberhill, Calif. and Lake Elsinore, Calif. quadrangles respectively (see Maps 2a and 3a).

The two habitat patches consist of tall (up to 40 feet) as well as shrubby willows (*Salix laviegata, S. gooddingii*), and a few *Eucalyptus*.

Wasson Canyon Outlier consists of two habitat patches bissected by Highway 74: approximate UTM at east end of survey area: Zone 11, 463800E, 3732000N (WGS84); approximate UTM at west end of survey area: Zone 11, 462770E, 3732300N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Alberhill, Calif. and Lake Elsinore, Calif. quadrangles respectively (see Maps 2a and 3a).

The riparian patch north of the highway contains willows, a few Fremont Cottonwoods and a good understory. To the north are tall eucalyptus. South of the highway, the habitat contains willows, Peruvian Peppers (*Shinus molle*) and several *Eucalyptus*.

Rosetta Outlier is a habitat patch southeast of Highway 74): approximate UTM at east end of survey area: Zone 11, 463800E, 3732000N (WGS84); approximate UTM at west end of survey area: Zone 11, 462770E, 3732300N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Alberhill, Calif. and Lake Elsinore, Calif. quadrangles respectively (see Maps 2b and 3a).

Riparian habitat consists of shrubby willows and a few large *Eucalyptus*.

Indian Truck Trail Outlier is a habitat patch southeast of Interstate 15 (Map 2i): approximate UTM at east end of survey area: Zone 11, 463800E, 3732000N (WGS84); approximate UTM at west end of survey area: Zone 11, 462770E, 3732300N (WGS84). These points occur on lands mapped on the USGS 7.5 minute Alberhill, Calif. Quadrangle (see Maps 2i and 3c).

Riparian habitat at the end of the I-15 freeway off-ramp consists of willows and Fremont Cottonwoods, and a small Coast Live Oak.

De Palma Outlier is a small riparian patch south of De Palma Road, approximately 0.3 mile south of Corona Lake; approximate UTM near the center of survey area: Zone 11, 459200E, 3733600N (WGS84). This point occurs on land mapped on the USGS 7.5 minute *Alberhill, Calif.* quadrangle (see Maps 2h and 3c).

This small patch of riparian scrub (willows and Mulefat) is adjacent to extensive oak woodlands, which lie to the southwest. No surface water or saturation was visible at this site.



Old Road Outliers are riparian patches east and west of Temescal Canyon Road, approximately 0.3 mile northwest of Corona Lakes; approximate UTM near the center of the survey area: Zone 11, 457900E, 3735000N (WGS84). This point occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle(see Maps 2j and 3c).

At this site, an old strip of former asphalt roadway is lined with scattered willows, cottonwoods, and Mulefat. No surface water is present. Sometime during June of 2010, bulldozing of adjacent uplands removed some of the scrubby willows and Mulefat.

El Hermano Outlier is a riparian patch southwest of Temescal Canyon Road, approximately 0.2 mile southwest of El Hermano Road: approximate UTM of survey area: Zone 11, 457250E, 37355000N (WGS84). This point occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle (see Maps 2j and 3c).

A small patch of shrubby willows and Mulefat occurs at this site. The site had some surface water during the entire survey season. A grove of large gum trees is adjacent to the east of the riparian scrub.

Temescal Wash Outlier is approximately 0.3 mile northwest of El Hermano Road and northeast of Temescal Canyon Road): approximate UTM of survey area: Zone 11, 456950E, 3735980N (WGS84). This point occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle (see Maps 2k and 3c)

This survey area consisted of a short reach of Temescal Wash. The vegetation consists of a relatively narrow strip of willow woodland and scrub. The stream flowed throughout the survey season.

The Yard Outlier is a small riparian patch southwest of Temescal Canyon Road, approximately 0.25 mile west of El Hermano Road: approximate UTM of survey area: Zone 11, 457700E, 3735120N (WGS84). This point occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle (see Maps 2j and 3c).

A patch of shrubby willows and Mulefat occurs at this site. The site had some surface water during the entire survey season.

The Basin Outlier riparian patch is in a detention basin southwest of Temescal Canyon Road, just south of its intersection with Campbell Ranch Road: approximate UTM at center of survey area: Zone 11, 456100E, 3735680N (WGS84). This point occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle (see Maps 2k and 3c).

This patch of approximately one acre of scrubby willow, Mulefat, and Salt-Cedar (*Tamarix ramosissima*) is within a detention basin. The Salt-Cedar occurs primarily around the perimeter of the basin, with dense willow scrub occurring in the center of the basin. No surface water or saturation was visible during the surveys.



Table 1A.
LBV/SWF/WYBC Surveys: "Baker Street Survey Area"

Date	Observer	Target Species	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
10 April	Chet McGaugh	LBV	0645-1005	35-55	0	0
20 April	Chet McGaugh	LBV	0645-1005	58-59	0	0
2 May	Chet McGaugh	LBV	0635-0940	47-75	0	0
12 May	John F. Green	LBV	0715-1015	57-74	0-3	0
24 May	Stephen J. Myers	LBV, SWF	0630-1050	53-67	0	20
7 June	John F. Green	LBV, SWF	0650-1105	62-83	0-5	0-20
20 June	Chet. McGaugh	LBV, SWF, WYBC	0645-1010	70-85	0	0
30 June	Chet McGaugh	LBV, SWF	0630-1030	59-83	0	100-0
12 July	Chet McGaugh	SWF, WYBC	0620-1000	63-74	0	100-0
27 July	Chet McGaugh	WYBC	0625-1000	65-80	0	0
10 August	John F. Green	WYBC	0725-1040	61-80	0-1	100-0

Table 1B.
LBV/SWF/WYBC Surveys: "Nichols Road Survey Area"

Date	Observer	Target Species	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
11 April	Chet McGaugh	LBV	0655-1140	44-68	0	70-95
21 April	Chet McGaugh	LBV	0650-1040	56-65	0-2	100
5 May	John F. Green	LBV	0650-1110	57-76	0-3	0
21 May	Chet McGaugh	LBV, SWF	0725-1010	60-74	0	100-85
6 June	Stephen J. Myers	LBV, SWF	0635-1100	48-72	0	20-80
16 June	Stephen J. Myers	LBV, SWF, WYBC	0620-1055	59-76	0	100-20
30 June	Stephen J. Myers	LBV, SWF	0640-1020	59-78	0	0
11 July	John F. Green	LBV, SWF, WYBC	0610-0950	64-73	0-2	100-haze
26 July	Stephen J. Myers	WYBC	0700-1010	66-88	0	0
10 August	Chet McGaugh	WYBC	0650-0945	61-76	0	100-0



Table 1C.
LBV/SWF/WYBC Surveys: "Lake Street Survey Area"

Date	Observer	Target Species	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
14 April	Chet McGaugh	LBV	0700-1005	45-64	0	0
2 May	John F. Green	LBV	0650-1015	49-83	0-5	0
13 May	Chet McGaugh	LBV	0630-1010	54-76	0	0
25 May	Chet McGaugh	LBV, SWF	0635-0950	58-74	0	0
7 June	Chet McGaugh	LBV, SWF	0650-0945	58-60	0-3	0
21 June	Chet McGaugh	LBV, SWF	0645-1050	72-85	0	0
1 July	Chet McGaugh	LBV, SWF, YBCU	0650-1030	64-89	0	0
12 July	Stephen J. Myers	LBV, SWF, YBCU	0635-1020	64-76	0-2	100-0
26 July	John F. Green	YBCU	0625-0930	69-82	0	haze
9 August	Chet McGaugh	YBCU	0700-1020	65-78	0	100-0

Table 1D. LBV/SWF/WYBC Surveys: "Hostettler Road Survey Area"

Date	Observer	Target Species	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
15 April	John F. Green	LBV	0745-1000	56-69	0-2	10-0
3 May	Chet McGaugh	LBV	0630-0950	54-78	0	0
16 May	Chet McGaugh	LBV, SWF	0635-1000	52-61	0	40
2 June	Stephen J. Myers	LBV, SWF	0740-1040	59-73	0-3	0
13 June	Stephen J. Myers	LBV, SWF	0710-1055	59-74	0-2	100-0
29 June	Stephen J. Myers	LBV, SWF, WYBC	0655-1030	62-76	0-5	100-0
11 July	Stephen J. Myers	LBV, SWF, WYBC	0720-1030	64-77	0	0
25 July	C. McGaugh	LBV, WYBC	0625-0930	69-82	0	haze
8 August	C. McGaugh	WYBC	0605-0940	62-82	0	0



Table 1E. LBV/SWF/WYBC Surveys: "Outliers Survey Areas"

Date	Observer	Target Species	Time	Temp. (°F)	Wind (mph)	Sky (% cover)
13 April	John F. Green	LBV	0700-1000	60	0-2	15-80
6 May	Chet McGaugh	LBV	0655-1055	57-81	0	0
17 May	Chet McGaugh	(LBV, SWF)	0625-0900			Rain*
24 May	Chet McGaugh	LBV, SWF	0620-1045	46-71	0	0
6 June	Chet McGaugh	LBV, SWF	0615-1010	55-70	0	10-20
17 June	Chet McGaugh	LBV, SWF	0630-1130	62-75	0	100
28 June	Chet McGaugh	LBV, SWF	0645-1115	63-88	0-3	0
14 July	Chet McGaugh	LBV, SWF	0625-1000	65-70	0	100, drizzle
20 July	John F. Green	LBV	0635-0900	64-81	1-2	0

^{*} survey postponed



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3.0 RESULTS

3.1 Critical Habitat

The project area is not within designated Critical Habitat for either the Least Bell's Vireo or Southwestern Willow Flycatcher.

3.2 Survey Results

One hundred and twenty (120) bird species were detected during the focused surveys. Among the most frequently detected species were the following birds that are typical of lowland riparian habitats in southern California: Mourning Dove (*Zenaida macroura*), Black-chinned Hummingbird (*Archilochus alexandri*), Nuttall's Woodpecker (*Picoides nuttallii*), Black Phoebe (*Sayornis nigricans*), Bushtit (*Psaltriparus minimus*), House Wren (*Troglodytes aedon*), Yellow Warbler (*Setophagapetechia*), Common Yellowthroat (*Geothlypis trichas*), Song Sparrow (*Melospiza melodia*), and Lesser Goldfinch (*Spinus psaltria*).

3.2.1 Southwestern Willow Flycatcher

No Southwestern Willow Flycatchers were detected at any of the survey areas. On 7 June, a single, vocal Willow Flycatcher was in the Lake Street survey area. This date is within the normal period of fall migration of the species in southern California, and the bird was not found on subsequent spring surveys. Therefore, AMEC concludes that this bird was a migrant of a more northerly subspecies, and not a Southwestern Willow Flycatcher (subspecies *E.t. extimus*).

The USFWS requires that "Willow Flycatcher Survey and Detection Forms" be completed; these forms are included as Appendix B.

3.2.2 Least Bell's Vireo

Least Bell's Vireos were detected more or less continuously from the "Baker Street" survey area to the "Hostettler Road" survey area (see Maps 2c through 2g and 3b). The precise number of territories throughout this reach is not possible to ascertain within the constraints of presence/absence survey protocols, but an estimate of 10 - 15 territories, based on mapped occurrences, seems reasonable. Least Bell's Vireos were not detected at any of the Outliers survey areas.

3.2.3 Western Yellow-billed Cuckoo

No Western Yellow-billed Cuckoos were detected at any of the survey areas. These results are consistent with AMEC's previous surveys in 2007 and 2010. Appendix C contains Yellow-billed Cuckoo Survey Data Forms.



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APPENDIX A BIRD SPECIES LIST



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Appendix A Bird Species List

This list reports only bird species or their sign which were observed along the project alignment during 2011 focused bird surveys. Nomenclature and taxonomy for birds observed on site generally follows the American Ornithologists' Union Checklist (1998) and its supplements.

SYMBOLS AND ABBREVIATIONS:

 Sensitive species (State or Federally Listed as Threatened or Endangered, or a CDFG Species of Special Concern / Watch List Species, or a USFWS Bird of Conservation Concern)

BIRDS AVES

Swans, Geese, and Ducks Anatidae

Wood Duck Aix sponsa
Gadwall Anas strepera
Mallard Anas platyrhynchos

Blue-winged Teal
Anas discor
Cinnamon Teal
Anas cyanoptera
*Redhead
Ruddy Duck
Anas cyanoptera
Aythya americana
Oxyura jamaicensis

New World Quail

California Quail

Odontophoridae

Callipepla californica

GrebesPied-billed Grebe

Podicipedidae

Podilymbus podiceps

Phalacrocoradidae Darters
*Double-crested Cormorant Phalacrocorax auritus

Pelecanidae Pelicans

American White Pelican Pelecanus erythrorhynchos

Bitterns and Herons Ardeidae

American Bittern

Great Blue Heron

Great Egret

Snowy Egret

Cattle Egret

Green Heron

Botaurus lentiginosus

Ardea herodias

Ardea alba

Egretta thula

Bubulcus ibis

Butorides virescens

Black-crowned Night-Heron Nycticorax nycticorax



Threskiornithidae

White-faced Ibis

New World Vultures

Turkey Vulture

Hawks, Kites, Eagles

*Northern Harrier?

*Cooper's Hawk

Red-shouldered Hawk

Swainson's Hawk

Red-tailed Hawk

Falcons

American Kestrel

Rallidae

Virginia Rail

Common Gallinule

American Coot

Plovers and Lapwings

Killdeer

Recurvirostridae

Black-necked Stilt

American Avocet

Sandpipers, Phalaropes, and Allies

Spotted Sandpiper

Solitary Sandpiper

Greater Yellowlegs

Western Sandpiper

Least Sandpiper

Long-billed Dowitcher

Wilson's Snipe

Wilson's Phalarope

Laridae

Ring-billed Gull

California Gull

*Caspian Tern

Ibises and Spoonbills

Plegadis chihi

Cathartidae

Cathartes aura

Accipitridae

Circus cyaneus

Accipiter cooperii

Buteo lineatus

Buteo swainsoni

Buteo jamaicensis

Falconidae

Falco sparverius

Rails, Gallinules, Coots

Rallus limicola

Gallinula galeata

Fulica americana

Charadriidae

Charadrius vociferus

Stilts and Avocets

Himantopus mexicanus

Recurvirostra americana

Scolopacidae

Actitis macularius

Tringa solitaria

Tringa melanoleuca

Calidris mauri

Calidris minutilla

Limnodrumus scolopaceus

Gallinago delicata

Phalaropus tricolor

Gulls and Terns

Larus delawarensis

Larus californicus!

Hydroprogne caspia



Pigeons and Doves

Rock Pigeon (nonnative)
Band-tailed Pigeon
Furasian Collared-Dove (

Eurasian Collared-Dove (nonnative)

Mourning Dove

Common Ground-Dove

Cuckoos, Roadrunners, Allies

Greater Roadrunner

Barn Owls

Barn Owl

Typical Owls

Great Horned Owl

Swifts

*Vaux's Swift White-throated Swift

Hummingbirds

Black-chinned Hummingbird Anna's Hummingbird Costa's Hummingbird Allen's Hummingbird

Alcedinidae

Belted Kingfisher

Woodpeckers and Allies

Acorn Woodpecker Nuttall's Woodpecker Downy Woodpecker Northern Flicker

Flycatchers

Western Wood-Pewee
*Willow Flycatcher
Western (Pacific-slope) Flycatcher
Black Phoebe
Ash-throated Flycatcher
Cassin's Kingbird
Western Kingbird

Columbidae

Columba livia
Patagioenas fasciata
Streptopelia decaocto
Zenaida macroura
Columbina passerina

Cuculidae

Geococcyx californianus

Tytonidae

Tyto alba

Strigidae

Bubo virginianus

Apodidae

Chaetura vauxi Aeronautes saxatalis

Trochilidae

Archilochus alexandri Calypte anna Calypte costae Selasphorus sasin

Kingfishers

Ceryle alcyon

Picidae

Melanerpes formicivorus Picoides nuttallii Picoides pubescens Colaptes auratus

Tyrannidae

Contopus sordidulus Empidonax traillii Empidonax difficilis Sayornis nigricans Myiarchus cinerascens Tyrannus vociferus Tyrannus verticalis



Vireos

*Least Bell's Vireo Hutton's Vireo Warbling Vireo

Jays, Magpies and Crows

Western Scrub-Jay American Crow Common Raven

Swallows

Tree Swallow Northern Rough-winged Swallow Cliff Swallow Barn Swallow

Titmice and Chickadees

Mountain Chickadee Oak Titmouse

Long-tailed Tits and Bushtits

Bushtit

Wrens

Rock Wren Bewick's Wren House Wren Marsh Wren

Sylviid Warblers

Wrentit

Mockingbirds, Thrashers, and Allies

Northern Mockingbird California Thrasher

Starlings and Allies

European Starling (nonnative)

Silky-Flycatchers

Phainopepla

Vireonidae

Vireo bellii pusillus Vireo huttoni Vireo gilvus

Corvidae

Aphelocoma californica Corvus brachyrhynchos Corvus corax

Hirundinidae

Tachycineta biclor Stelgidopteryx serripennis Petrochelidon pyrrhonota Hirundo rustica

Paridae

Poecile gambeli Baeolophus inornatus

Aegithalidae

Psaltriparus minimus

Troglodytidae

Salpinctes obsoletus Thryomanes bewickii Troglodytes aedon Cistothorus palustris

Sylviidae

Chamaea fasciata

Mimidae

Mimus polyglottos Toxostoma redivivum

Sturnidae

Sturnus vulgaris

Ptilogonatidae

Phainpepla nitens



Wood-Warblers

Orange-crowned Warbler

Nashville Warbler Common Yellowthroat

*Yellow Warbler

Yellow-rumped Warbler
Black-throated Gray Warbler

Wilson's Warbler

*Yellow-breasted Chat

Emberizines

Spotted Towhee

*Southern California Rufous-crowned Sparrow

California Towhee Lark Sparrow

*Bell's Sage Sparrow Savannah Sparrow Song Sparrow Lincoln's Sparrow

Cardinals and Allies

Western Tanager

Black-headed Grosbeak

Blue Grosbeak Lazuli Bunting?

Blackbirds and Allies

Red-winged Blackbird
*Tricolored Blackbird
Western Meadowlark
Yellow-headed Blackbird

Brewer's Blackbird Great-tailed Grackle Brown-headed Cowbird

Hooded Oriole Bullock's Oriole

Finches and Allies

Purple Finch
House Finch
Lesser Goldfinch
*Lawrence's Goldfinch
American Goldfinch

Old World Sparrows

House Sparrow (nonnative)

Parulidae

Oreothylpis celata
Oreothlypis ruficapilla
Geothlypis trichas
Setophaga petechia
Seophaga coronata
Setophaga nigrescens
Cardellina pusilla
Icteria virens

Emberizidae

Pipilo maculatus

Aimophila ruficeps canescens

Pipilo crissalis

Chondestes grammacus Amphispiza belli belli

Passerculus sandwichensis

Melospiza melodia Melospiza lincolnii

Cardinalidae

Piranga ludoviciana

Pheucticus melanocephalus

Passerina caerulea Passerina amoena

Icteridae

Agelaius phoeniceus Agelaius tricolor Sturnella neglecta

Xanthocephalus xanthocephalus

Euphagus cyanocephalus Quiscalus mexicanus

Molothrus ater Icterus cucullatus Icterus bullockii

Fringillidae

Carpodacus purpureus Carpodacus mexicanus Spinus psaltria

Spinus psaltria Spinus lawrencei Spinus tristis

Passeridae

Passer domesticus



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APPENDIX B SOUTHWESTERN WILLOW FLYCATCHER SURVEY FORMS



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Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name	SCE LVY	GLEN -	"BAKER	STILLET	<i>I</i> >	State (A Coun Elevation 38:	ty_RU	ieksis		
Creek, Riv	d Name er. Wetland.	or Lake	Name	remeso	TAC WASH	Elevation	7 .		(me	eters)
Is cop	y of USGS n	nap mark	ced with si	urvey area	and WIFL s	ightings attached (as requ	ired)?		Yes <u>X</u> N	<i>To</i>
Survey Coo	ordinates: S S ey coordinat	tes chang	ed between	n visits, er	iter coordinate	UTM TOO UTM es for each survey in comm	ents se	ction o	(See instru on back of this	s page.
		**	Fill in ac	lditional	site inforn	nation on back of this	page	**		
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If	(this is individu each su necessa	an optic uals, pai rvey). I ry.	es for WIFL Dete onal column for do rs, or groups of b nclude additional	ocumenting irds found on
Survey # 1 Observer(s)	Date 24 MAY		4				# Birds	Sex	UTM E	UTM N
STEPHEN J. MYERS	Start 0630 Stop 1050 Total hrs <u>4:2</u> 0	0	0	0	N					
Survey # 2 Observer(s) John F. Groon	Date 0650 7 Juke Start 0650 Stop 1105 Total hrs 415	0	0	0	2		# Birds	Sex	UTM E	UTM N
Survey # 3 Dbserver(s) CHET MGAUGH	Date 20 JUNE Start 0645 Stop 1910 Total hrs 3:25	0	*	0	7		# Birds	Sex	UTM E	UTM N
Survey # 4 Observer(s) CHETINGAUGH	Date 30 JUNE Start 0630 Stop (030 Total hrs 400	0	0	0	S		# Birds	Sex	UTM E	UTM N
Survey # 5 Observer(s) CHET MCGAXCH	Date 2 July Start 0620 Stop 1660 Total hrs 3:40	0	0	0	7		# Birds	Sex	UTM E	UTM N
Overall Site Strotals do not equal cach column. Inches resident adults. Distribution of the properties of the strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong strong stro	I the sum of ade only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatch	ners col	lor-bai	nded? Yes	_No
Be careful not to dindividuals. Total Survey Hrs Reporting		0:50 CH#	O ET MEGI	0	0	If yes, report color combin section on back of form an Date Report Completed	id repo			

US Fish and Wildlife Service Permit #______ State Wildlife Agency Permit #______ State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting !	Individual Ct	TET MIGALIC	stt		Ph	one # <u>951 369 ~80</u>	60
Affiliation	LAREL SARTH	+ Edvironment	ÀL .		E-	mail chetucrauch	
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		previous year?					
		name is consiste		l in previous ye	ars?Yes 🗡	< No Not ∆	Applicable
		nat name(s) was u			0 37	7. T. T.	
		ar, did you surve eneral area during					
Manageme Name of M	nt Authority for Ianagement Enti	Survey Area: ty or Owner (e.g.	Federal N, Tonto Nationa	Municipal/Count	ty <u>×</u> Sta	ate Tribal	Private X
Length of a	area surveyed:	~(2,2(km)	green.			
Vegetation	Characteristics:	Check (only one	e) category that b	est describes th	e predomin	ant tree/shrub foliar lay	er at this site:
N	lative broadleaf	plants (entirely o	r almost entirely	, > 90% native)			
<u>×</u> N	lixed native and	exotic plants (me	ostly native, 50 -	90% native)			
N	lixed native and	exotic plants (me	ostly exotic, 50 -	· 90% exotic)			
E	xotic/introduced	l plants (entirely	or almost entirel	y, > 90% exotic	;)		
Identify the		nt tree/shrub spec AEVLGATA SA					•
Average he	eight of canopy (Do not include a	range):	12		(meters)	ern over je zave
WIFL detenests; 3) pl	ctions; 2) sketch notos of the inter (such as start an	or aerial photo s ior of the patch, e	howing site loca exterior of the parts s of survey area	tion, patch shap tch, and overall	e, survey ro site. Descri	ey area, outlining surve tute, location of any det be any unique habitat fe supplemental visits to	ected WIFLs or their eatures in Comments.
				-			
Territory S	lummary Table.	Provide the follo	owing information	n for each verif	ied territory	at your site.	
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Territory and I (e.g., vocalization ty	w You Confirmed Breeding Status pe, pair interactions, pts, behavior)
`							
							, , , , , , , , , , , , , , , , , , , ,

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua Creek, Riv	SCE I nd Name er, Wetland,	AKE ELS	nore			State <u>CA</u> Coun Elevation <u>38</u>	ty <u>R'</u> 35°	were	(me	eters)
						ightings attached (as requ	ired)?		Yes N	<i>To</i>
Survey Co	ordinates: S S rey coordinat					UTM UTM UTM es for each survey in comm			See instru — on back of this	ctions)
Survey# Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories		Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If	GPS Co (this is individu	oordinat an optio uals, pai rvey). I	es for WIFL Dete nal column for do rs, or groups of b nclude additional	ocumenting irds found on
Survey # 1 Observer(s) OHST MCAUSH	Date 2(MW) Start 0725 Stop 1010 Total hrs 2:45	0	0	0	87		# Birds	Sex	UTM E	UTM N
Survey # 2 Observer(s) STEOMERS. MYCRS	Date GJONE Start 0635 Stop 1000 Total hrs 4:25	0	0	0	2		# Birds	Sex	UTM E	UTM N
Survey # 3 Observer(s) STEPHEN 1. MYERS	Date 16 JUNE Start 0620 Stop 1055 Total hrs 4/36	0	Ø	0	2		# Birds	Sex	UTM E	UTM N
Survey # 4 Observer(s) STEBHEM S. MYENS	Date 3050N & Start & 40 Stop 1020 Total hrs 3:40	0	0	0	И		# Birds	Sex	UTM E	UTM N
Survey # 5 Observer(s) Idhu F. Gleen	Date IL JUL Start OG (0 Stop v95v Total hrs 3:20	0	٥	0	7)		# Birds	Sex	UTM E	UTM N
Overall Site Stotals do not equal ach column. Including the sident adults. Displaying antiques of the sident adults are sident adults.	on the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum of the sum	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate	hers co	lor-ba	nded? Yes	_ No
ledglings. Be careful not to c ndividuals.		0	0	0	0	If yes, report color combin section on back of form an				
Reporting US Fish at			 MCGAI ermit#	 XH		Date Report Completed State Wildlife Agency P				

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

		HET MIGAUG			Pb	ione# <u>9</u> \$	1-369-8066
		EAPTH & FUVI			E-	-mail <u>Che</u>	truggangha amac com
Site Name		HEN WNICHO		T T 1	D	ate Report (Completed
		previous year?				/ N-	Not Applicable
		at name(s) was u		i ili previous yea	iis: res_		Not Applicable
If site was	surveved last ve	ar, did you surve	v the same gener	al area this year	7 Ves	× No	If no, summarize below.
Did you su	rvev the same go	eneral area during	each visit to thi	s site this year?	Yes _	$\stackrel{\sim}{\times}$ No	If no, summarize below.
210) 0 11 0 11	e j		,	, ,			
Manageme Name of M	ent Authority for Ianagement Enti	Survey Area: ty or Owner (e.g.	Federal Nonto National	Iunicipal/Count Forest)			ribal Private <u>×</u>
Length of	area surveyed: _	1.69 (km)				
Vegetation	Characteristics:	Check (only one	category that b	est describes the	e predomin	ant tree/shr	ub foliar layer at this site:
N	Native broadleaf	plants (entirely o	r almost entirely,	, > 90% native)			
<u>×</u> ,	Aixed native and	exotic plants (me	ostly native, 50 -	90% native)			
N	Aixed native and	exotic plants (me	ostly exotic, 50 -	90% exotic)			
F	Exotic/introduced	l plants (entirely	or almost entirely	y, > 90% exotic))		
Identify the	e 2-3 predomina BALIK LAUCE:	nt tree/shrub spec KM, SALIX E	cies in order of d WGUA, SALL	ominance. Use X. Gcoll (UGL	scientific r 1 ₄ Poloce	iames. 5 FRENWY	Tu
Average h	eight of canopy (Do not include a	range):	10		(meter	s) •
WIFL deternests; 3) pl	ections; 2) sketch hotos of the inter	or aerial photo s ior of the patch, e	howing site local exterior of the pat s of survey area	tion, patch shape tch, and overall s	e, survey ro site. Descri	oute, locatio be any uniq	lining survey site and location of n of any detected WIFLs or their ue habitat features in Comments. tal visits to sites, unique habitat
<u></u>							
Ti4 C	YT-1-1	Provide the follo					_
Territory S	Summary Table.	riovide the fond	wing informatio	ii ioi eacii veiiii	ed territory	at your site	J.
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Te: (e.g., vo	iption of How You Confirmed rritory and Breeding Status calization type, pair interactions, esting attempts, behavior)

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

USGS Qua	d Name La	ku Elsi	note, A	1berhil	<u> </u>	State <u>CA</u> Count Elevation <u>36</u> 5			(me	eters)
Creek. Rive	er. Wetland	or Lake	Name 7	1 m1500	1 Wash					Vo
pat Survey Coo	ordinates: Si	510p 46 tart: E 4 top: E 4	3730 E 63990 E 64420 E		N 3732040 N 3731100 N 373067	ightings attached (as required) N N N UTM UTM UTM UTM	Datum Zone _	NG58		
If surv	ey coordinat	tes chang	ed betwee	n visits, en	ter coordinat	es for each survey in comm nation on back of this	ents sec	ction of	n back of this	s page.
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	potential threats [livestock, cowbirds, Diorhabda spp.]). If	(this is a	an optior als, pair rvey). In	es for WIFL Detenal column for des, or groups of baclude additional	ocumenting oirds found on
Survey # 1 Observer(s)	Date 25 WAY			·			# Birds	Sex	UTM E	UTM N
CHET	Start 6635	6	0	O	4.1					
MEGADGH	Stop 6950 Total hrs 375				7					
Survey # 2 Observer(s)	Date 7 June					Determined to Bo A	# Birds	Sex	UTME	UTMN
CHET	065° Start 0555	1	O	0	N	LATE MIGRENT				
MIGAUGH	Stop 0945 Total hrs 2:55				10	(NOT EXTIMUS') BASED ON TUBSEQUENT SULVEYS				
Survey # 3 Observer(s)	Date 21 Juar					3040643	# Birds	Sex	UTM E	UTMN
CHET	Start 065°	U	0	0	N					
MGAUGIT	Stop 0945 Total hrs 405			!	10					
Survey # 4 Observer(s)	Date (Juy						# Birds	Sex	UTM E	UTM N
CHET	Start 0650	ပ	8	0	N					
Megaugy	Stop 1050 Total hrs 3:4.				(4					
Survey # 5 Observer(s)	Date 12 July						# Birds	Sex	UTM E	UTM N
STEPHEN J.	Start D 635 Stop 1020 Total hrs 3245	0	O	0	7					
Overall Site Su Totals do not equal each column. Inclu resident adults. Do migrants, nestlings	the sum of de only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatc	hers co	lor-bar	nded? Yes_	No
fledglings. Be careful not to de individuals.		U	0	0	0	If yes, report color combined in the section on back of form as				

Wildlife Service Permit # <u>TF 804203-9</u> State Wildlife Agency Permit # <u>SC -1951</u>

<u>Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.</u>

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Reporting 1	Individual Step	shen J. M.	ye15		Pho	one # 957 - 3	69-8060 ext 111
Affiliation	AMEC!	ohen J. My en Project (1 (1 d. chro	<i>*</i>	E-1	mail stephen	69-8060 ext 111 imyers@amec, com
Was this si	te surveyed in a	previous year? Y	es V No l	Jnknown			
Did you ve	rify that this site	name is consiste	nt with that used	in previous yea	ars? Yes 🗸	, No	Not Applicable
		at name(s) was uar, did you survey		al area this year	.0 V.a.	No. /	If no, summarize below.
		eneral area during strip of hab			Yes <u>v</u>	No V	If no, summarize below. If no, summarize below.
Manageme	nt Authority for	Survey Area:	Federal M	[unicipal/Count	y√ Sta	ite Trib	al Private 🗸
Length of a	area surveyed:	(km))				
Vegetation	Characteristics:	Check (only one) category that be	est describes th	e predomina	ant tree/shrub	foliar layer at this site:
N	Tative broadleaf	plants (entirely or	almost entirely,	> 90% native)			
N	lixed native and	exotic plants (mo	ostly native, 50 -	90% native)			
M	lixed native and	exotic plants (mo	ostly exotic, 50 -	90% exotic)			
E	xotic/introduced	l plants (entirely o	or almost entirely	, > 90% exotic)		
Identify the	e 2-3 predomina 900 ddingii	nt tree/shrub spec	ties in order of do	ominance. Use	scientific n	ames.	
		Do not include a	•	•			
WIFL dete nests; 3) pl	ctions; 2) sketch notos of the inter	or aerial photo slior of the patch, e	howing site locat xterior of the pat	tion, patch shap ch, and overall	e, survey ro site. Describ	ute, location on the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the	ng survey site and location of f any detected WIFLs or their habitat features in Comments.
		nd end coordinate sheets if necessa		if changed amo	ng surveys,	supplemental	visits to sites, unique habitat
4.							
Territory S	ummary Table.	Provide the follo	wing information	n for each verif	ied territory	at your site.	
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Territ (e.g., vocal	ion of How You Confirmed cory and Breeding Status ization type, pair interactions, ng attempts, behavior)
						11031	and accompany contention;
ing Ang Selakat			* * * * * * * * * * * * * * * * * * * *				
		:					

		Willov	v Flycatch	ier (WIFI	L) Survey an	d Detection Form (revised	d April	2010)	
Site Name	SCE W	161ch	" HOSTE	THERE	POAD"	State CA Coun	ty RIV	Casu	le	
				Tempskau		State A Coun Elevation 3	65		(me	ters)
	er, Wetland, v of USGS n					ightings attached (as requ	ired)?		Yes × N	
		=				-				
Survey Co	ordinates: S	tart: E top: E	461300		_ N	UTM UFaco UTM	Datum Zone	1 <u>WGS</u> 2	火 (See instru	ctions)
If surv	ey coordinat	tes chang	ed betwee:	n visits, en	iter coordinate	es for each survey in comm	ients se	ction (on back of this	page.
		**]	Fill in ac	lditional	site inforn	nation on back of this	page	**		
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> found, contact USFWS and State WIFL coordinator	(this is individu	an optic uals, pai rvey). I	es for WIFL Dete onal column for do irs, or groups of b include additional	cumenting irds found on
Survey # 1 Observer(s)	Date 28 May						# Birds	Sex	UTM E	UTM N
CHET	2011 Start ₆ 7ος	0	0	0	25					
MEANTH	Stop 10:15									
•	Total hrs3-40									
Survey # 2	Date 2 Jule						# Birds	Sex	UTM E	UTM N
Observer(s)					1					
STEDIEN J.	Start 664C	0	0	0	N					
IN ICPS	Stop 11∞								***************************************	
	Total hrs 415									
Survey # 3 Observer(s)	Date 11 Live						# Birds	Sex	UTM E	UTM N
STCPHEW]	Start 6655		0	0	7					
wers	Stop 1000									
	Total hrs3:05									
Survey # 4	Date 2 Sisy						# Birds	Sex	UTM E	UTM N
Observer(s)	Start 0645			_	~ 1					
sternen	Stop 1030	0	0		N					
1. wycks	·									
	Total hrs 345									
Survey # 5 Observer(s)	Date 12 JLY						# Birds	Sex	UTM E	UTM N
STONEWS.	Start 6645	0	0	0	N					
mych	Stop 1035									
	Total hrs 3:50									
Overall Site St Totals do not equa each column. Inclu- resident adults. D migrants, nestlings fledglings.	I the sum of ude only onot include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatel			-	No X
Be careful not to double count O O O If yes, report color combination(s) in the comments section on back of form and report to USFWS.										

| Date Report Completed | Wildlife Service Permit # Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records. CHET MEGAUGH Reporting Individual US Fish and Wildlife Service Permit#

individuals.

Total Survey Hrs 18:35

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting 1	Individual <u>CH</u>	ET MCGAUGH			P1	ione# <u>951</u>	36>-8060
Affiliation	MUCC BAR	TH+ EVVIRONI	iental		E-	-mail <u>chot</u>	incray/Lo avec com
Site Name		IN "HOSTETTLE			D	ate Report Co	mpleted
		previous year?					
				in previous ye	ars? Yes <u>≻</u>	No	Not Applicable
		nat name(s) was u ar, did you surve		al area this year	-2 Voc. v	/ No	If no, summarize below.
		ar, did you surve; eneral area during					If no, summarize below.
Dia you su	ivey the same go	eneral area during	g each visit to thi	s site tills year?	168 2		_ II iio, suilinarize below.
		Survey Area: ty or Owner (e.g.				ate Tri	bal Private <u></u>
Length of a	area surveyed:	,9 (km)				
Vegetation	Characteristics:	Check (only one	e) category that b	est describes th	e predomin	ant tree/shrub	foliar layer at this site:
N	lative broadleaf	plants (entirely o	r almost entirely,	> 90% native)			
<u>×</u> м	lixed native and	exotic plants (me	ostly native, 50 -	90% native)			
N	lixed native and	exotic plants (me	ostly exotic, 50 -	90% exotic)			
		l plants (entirely					
Identify the	e 2-3 predomina SAUX LAV	nt tree/shrub spec VEGMA SALLY	cies in order of d .GcoMN611 , S	ominance. Use ALIX LASICX	scientific r	names.	
Average he	eight of canopy (Do not include a	range):	12.		(meters)	
WIFL dete	ctions; 2) sketch	or aerial photo s	howing site locat	tion, patch shap	e, survey ro	oute, location of	ing survey site and location of of any detected WIFLs or their habitat features in Comments.
		nd end coordinate sheets if necessa		if changed amo	ng surveys,	supplemental	visits to sites, unique habitat
Tarritary S	Summory Toble	Provide the follo	vina informatio	n for each verif	and torritor	a ot vour sito	
Territory S	diffilliary rable.	,		ii ioi eacii veiii	ied territor	y at your site.	
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Terri (e.g., voca	tion of How You Confirmed tory and Breeding Status lization type, pair interactions, ing attempts, behavior)
					-		

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua Creek, Riv Is cop	Valley -I Id Name er, Wetland, y of USGS n	<u>vyglen</u> Lake E or Lake nap mark	Project Usinore Name ked with si	t (Peac Un name urvey area	ch st. Outl	State CA Coun Elevation SC ightings attached (as requ	ty <u>R</u> O ired)?	ivers I		eters)
Survey Co	ordinates: S S ey coordinat	tes chang	ed between	n visits, en	ter coordinate	UTM OF O UTM es for each survey in commentation on back of this	ients se	ction o	(See instr	uctions) is page.
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If	(this is individu	an option nals, pain rvey). In	es for WIFL De nal column for o rs, or groups of aclude additions	documenting birds found on
Survey # 1 Dbserver(s) Chet McGaugh	Date 24 May II Start Stop Total hrs. 33	0	0	0	N		# Birds	Sex	UTM E	UTMN
Survey # 2 Observer(s) Chet McGaugh	Date 6 June 11 Start Stop Total hr. 33	0	0	0	N		# Birds	Sex	UTME	UTM N
Survey #3 Disserver(s) Chet Mc Gauzh	Date 17 June 11 Start Stop Total hrs6.33	0	0	0	N		# Birds	Sex	UTM E	UTMN
Survey # 4 Disserver(s) Chet Mc Gaugh	Date 28 June 11 Start Stop Total hrs 2,33	0	0	0	Ν		# Birds	Sex	UTM E	UTM N
Survey # 5 Observer(s) Chct Mc Gaugh	Date 14JJy 11 Start Stop Total hrs0.33	0	0	0	N		# Birds	Sex	UTM E	UTM N
Overall Site Su Fotals do not equal each column. Inclu- esident adults. D nigrants, nestlings ledglings.	l the sum of ide only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato				No
Be careful not to d ndividuals. Fotal Survey Hrs_ Reporting US Fish an	1.65	Stephe.	0 n J. N	0 1yers 1E 8042	D -	section on back of form a Date Report Completed	nd repo	rt to U	SFWS.	.1
20 I 1911 gill			SFWS and	d State Wi	ldlife Agency	State Wildlife Agency I by September 1st. Retain	a copy	for you	ur records.	

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Affiliation	Individual 54	ephon J. 1	Myers		Pho E-1	one# <u>951 -</u> nail <u>Stephen</u>	-369-8060, ext. 111 n.j. myers @ amec. com oleted
Site Name Was this s	Valley - Ive ite surveyed in a	yglen Project previous year?	(Peach St.C Yes_ No V	ひ Hiers) Unknown			
If site nam	erny that this site	e name is consiste nat name(s) was u	ent with that used ised in the past?	i in previous yea	ars? Yes	No	Not Applicable 🗸
If site was	surveyed last ye	ar, did you surve eneral area during	y the same gener		-? Yes _ Yes _ v	No	If no, summarize below. If no, summarize below.
Manageme Name of N	ent Authority for Management Enti	Survey Area: ity or Owner (e.g.	Federal N, Tonto National	Municipal/Count l Forest)	Sta	te Triba	Private <u>V</u> ?
Length of	area surveyed: _	0.18 (km)				
Vegetation	1 Characteristics:	: Check (only one	e) category that b	est describes th	e predomina	ant tree/shrub fo	liar layer at this site:
<u>×</u> 1	Native broadleaf	plants (entirely or	r almost entirely	, > 90% native)			
1	Mixed native and	exotic plants (me	ostly native, 50 -	90% native)			
1	Mixed native and	l exotic plants (me	ostly exotic, 50 -	90% exotic)			
		d plants (entirely	·		•		
Identify th	e 2-3 predomina	nt tree/shrub spec Populus Fre	cies in order of d	ominance. Use	scientific n	ames.	
Average h	eight of canopy	(Do not include a	range):/	0		(meters)	
WIFL dete	ections; 2) sketch	or aerial photo s	howing site loca	tion, patch shap	e, survey ro	ute, location of	g survey site and location of any detected WIFLs or their abitat features in Comments.
WIFL detenests; 3) p	ections; 2) sketch hotos of the inter s (such as start ar	n or aerial photo s rior of the patch, e	howing site local exterior of the pares as of survey area	tion, patch shap tch, and overall	e, survey ro site. Describ	ute, location of be any unique ha	any detected WIFLs or their
WIFL detenests; 3) p	ections; 2) sketch hotos of the inter s (such as start ar	n or aerial photo s rior of the patch, e and end coordinate	howing site local exterior of the pares as of survey area	tion, patch shap tch, and overall	e, survey ro site. Describ	ute, location of be any unique ha	any detected WIFLs or their abitat features in Comments.
WIFL detenests; 3) p	ections; 2) sketch hotos of the inter s (such as start ar	n or aerial photo s rior of the patch, e and end coordinate	howing site local exterior of the pares as of survey area	tion, patch shap tch, and overall	e, survey ro site. Describ	ute, location of be any unique ha	any detected WIFLs or their abitat features in Comments.
WIFL detenests; 3) p Comments features.	ections; 2) sketch hotos of the inter s (such as start ar Attach additional	n or aerial photo s rior of the patch, e and end coordinate I sheets if necessa	howing site loca exterior of the pares es of survey area ary.	tion, patch shap tch, and overall if changed amo	e, survey ro site. Describ ng surveys,	ute, location of oe any unique has supplemental v	any detected WIFLs or their abitat features in Comments.
WIFL detenests; 3) p Comments features. Territory S	ections; 2) sketch hotos of the inter s (such as start ar Attach additional	n or aerial photo sior of the patch, end end coordinated sheets if necessary	howing site loca exterior of the pares of survey area ary.	tion, patch shap tch, and overall if changed amo	e, survey ro site. Describ ng surveys,	ute, location of the any unique has supplemental v	any detected WIFLs or their abitat features in Comments. isits to sites, unique habitat
WIFL detenests; 3) p Comments features.	ections; 2) sketch hotos of the inter s (such as start ar Attach additional	n or aerial photo s rior of the patch, e and end coordinate I sheets if necessa	howing site loca exterior of the pares es of survey area ary.	tion, patch shap tch, and overall if changed amo	e, survey ro site. Describ ng surveys,	at your site. Descriptio Territo. (e.g., vocaliz	any detected WIFLs or their abitat features in Comments.
WIFL detensests; 3) p Comments features. Territory	ections; 2) sketch hotos of the inter s (such as start ar Attach additional Summary Table. All Dates	n or aerial photo sior of the patch, end end coordinated sheets if necessary	howing site loca exterior of the pares of survey area ary.	tion, patch shap tch, and overall if changed amo on for each verif Pair Confirmed?	ne, survey ro site. Describ ng surveys, fied territory Nest Found?	at your site. Descriptio Territo. (e.g., vocaliz	any detected WIFLs or their abitat features in Comments. isits to sites, unique habitat is of How You Confirmed ry and Breeding Status ation type, pair interactions,
WIFL detensests; 3) p Comments features. Territory	ections; 2) sketch hotos of the inter s (such as start ar Attach additional Summary Table. All Dates	n or aerial photo sior of the patch, end end coordinated sheets if necessary	howing site loca exterior of the pares of survey area ary.	tion, patch shap tch, and overall if changed amo on for each verif Pair Confirmed?	ne, survey ro site. Describ ng surveys, fied territory Nest Found?	at your site. Descriptio Territo. (e.g., vocaliz	any detected WIFLs or their abitat features in Comments. isits to sites, unique habitat is of How You Confirmed ry and Breeding Status ation type, pair interactions,
WIFL detensests; 3) p Comments features. Territory	ections; 2) sketch hotos of the inter s (such as start ar Attach additional Summary Table. All Dates	n or aerial photo sior of the patch, end end coordinated sheets if necessary	howing site loca exterior of the pares of survey area ary.	tion, patch shap tch, and overall if changed amo on for each verif Pair Confirmed?	ne, survey ro site. Describ ng surveys, fied territory Nest Found?	at your site. Descriptio Territo. (e.g., vocaliz	any detected WIFLs or their abitat features in Comments. isits to sites, unique habitat is of How You Confirmed ry and Breeding Status ation type, pair interactions,
WIFL detensests; 3) p Comments features. Territory	ections; 2) sketch hotos of the inter s (such as start ar Attach additional Summary Table. All Dates	n or aerial photo sior of the patch, end end coordinated sheets if necessary	howing site loca exterior of the pares of survey area ary.	tion, patch shap tch, and overall if changed amo on for each verif Pair Confirmed?	ne, survey ro site. Describ ng surveys, fied territory Nest Found?	at your site. Descriptio Territo. (e.g., vocaliz	any detected WIFLs or their abitat features in Comments. isits to sites, unique habitat is of How You Confirmed ry and Breeding Status ation type, pair interactions,

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua Creek Riv	Valley - I	Lyglen Lake I	Project Elsinos Name	t (Was:	son Cyn Ol	otliers)State <u>CA</u> Coun Elevation <u>4</u> eK	ty_ <i>K</i> ,	`ve151	de (m	eters)	
Is cop	y of USGS n	nap mark	ted with si	urvey area	and WIFL s	ightings attached (as requ	ired)?)		Vo	
Survey Co	ordinates: S S ey coordinat	tes chang	ed between	n visits, en	ter coordinate	UTM UTM es for each survey in comm	ents sec	ction o	(See instrum) n back of thi	s page.	
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs		Nest(s) Found? Y or N If Yes, number of nests	potential threats [livestock, cowbirds, Diorhabda spp.]). If individuals, pairs, or groups each survey). Include additi				or documenting of birds found on	
Survey # 1 Observer(s) Chet Mc Gavyh	Date 24 May II Start Stop Total hrs 0.5	0	0	0	N		# Birds	Sex	UTM E	UTM N	
Survey # 2 Observer(s) Chet McGaugh	Date Living ! Start Stop Total hrs C. S	ð	Ô	0	N		# Birds	Sex	UTM E	UTM N	
Survey #3 Observer(s) Chet McGaugh	Date 17June 11 Start Stop Total hrsQ.5	ð	0	0	N		# Birds	Sex	UTM E	UTM N	
Survey # 4 Observer(s) CheT McGaugh	Date 2% June 1 Start Stop Total hrs 0.5	0	0	0	N		# Birds	Sex	UTM E	UTM N	
Survey # 5 Observer(s) Chet Mc Gaugh	Date 14 July 11 Start Stop Total hrs 0.5	0	0	0	N		# Birds	Sex	UTME	UTMN	
Overall Site St Totals do not equa each column. Inclu- resident adults. D migrants, nestlings	l the sum of ade only onot include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato	hers co	lor-bai	nded? Yes_	_ No	
Redglings. Be careful not to d ndividuals. Fotal Survey Hrs	_	0	0	0	0 1	If yes, report color combi section on back of form a					
Reporting		Stephi ervice Pe	rmit # TE	1yers - 80420	3-9	Date Report Completed State Wildlife Agency I		31/1	1-00 195	7.	

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Reporting Affiliation Site Name	Individual Sto AMEC Valley-Ivy 91	phen J. My en Project (ers Wasson Can	nyon Outlie	Pho E-1 Da	one # <u>957 - 36</u> mail <u>stephen.;</u> ite Report Complete	9-8060 ext (1) myels e anec, con ed $\frac{10 31 11}{}$ of Applicable $$
Was this si Did you ve If site nam	te surveyed in a crify that this site e is different, wh	previous year? In name is consisted at name(s) was u	Yes No Vent with that used in the past?	Unknown I in previous yea			
		ar, did you surve eneral area during				No If n	o, summarize below. o, summarize below.
Manageme Name of M	ent Authority for Ianagement Enti	Survey Area: ty or Owner (e.g.	Federal N , Tonto Nationa	Municipal/Count l Forest)	Sta	nte Tribal	Private \checkmark ?
Length of	area surveyed: _	0,32 (km)				
Vegetation	Characteristics:	Check (only one	e) category that t	est describes th	e predomina	ant tree/shrub foliar	layer at this site:
<u>X</u> N	lative broadleaf	plants (entirely o	r almost entirely	, > 90% native)			
	Aixed native and	exotic plants (m	ostly native, 50	- 90% native)			
N	Aixed native and	exotic plants (m	ostly exotic, 50	- 90% exotic)			
E	Exotic/introduced	l plants (entirely	or almost entirel	y, > 90% exotic	:)		
Identify th	e 2-3 predomina Glix Spp	nt tree/shrub spec	cies in order of co frementi;	lominance. Use	scientific n	ames.	
Average h	eight of canopy (Do not include a	range):	12		(meters)	
WIFL dete	ctions; 2) sketch	or aerial photo s	howing site loca	ition, patch shap	e, survey ro	ute, location of any	rvey site and location of detected WIFLs or their at features in Comments.
Comments features.	(such as start ar Attach additional	nd end coordinate sheets if necessa	es of survey area ary.	if changed amo	ng surveys,	supplemental visits	to sites, unique habitat
jáliste. T							
	-						
Territory S	Summary Table	Provide the follo	wing information	on for each verif	ied territors	y at your site	
Territory	All Dates	UTM E	UTM N	Pair	Nest		How You Confirmed
Number	Detected		011111	Confirmed? Y or N	Found? Y or N	Territory an (e.g., vocalizatio	nd Breeding Status n type, pair interactions, tempts, behavior)
					,		
				14. 14. H. J.	a e e		
y de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l							

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua Creek, Riv	Valley - I ad Name	Ivygle Igke E	n Proj Elsinor Name	ect (Ri	osetla Ovt	Hiers)State <u>CA</u> Count Elevation <u>42</u>	ty_R	iver	51'de (me	eters)
				urvey area	and WIFL s	ightings attached (as requi	ired)?		Yes N	o
Survey Co	ordinates: Si Si vey coordinat	es chang	ed betwee:	n visits, en	iter coordinate	UTM UTM es for each survey in comm nation on back of this	ents se	ction o	(See instru —— on back of this	ctions)
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If	(this is individu	an option als, pain rvey). In	es for WIFL Dete nal column for do s, or groups of b nolude additional	ocumenting irds found on
Survey # 1 Observer(s) Chet McGaugh	Date 24 May 11 Start Stop Total hrs 0.25	0	0	0	N		# Birds	Sex	UTM E	UTM N
Survey # 2 Observer(s) Chet McGauyh	Date Total hrs0.25	0	0	0	N		# Birds	Sex	UTME	UTM N
Survey # 3 Observer(s) Chet McGaugh	Date 17 JVne (1 Start Stop Total hrs.25	0	0	0	N		# Birds	Sex	UTM E	UTM N
Survey # 4 Observer(s) Chet McGaugh	Date 28 June 11 Start Stop Total hrs 0,25	0	O	0	Ν		# Birds	Sex	UTM E	UTM N
Survey # 5 Observer(s) Chet Mc Gavyh	Date 14 July 11 Start Stop Total hrs 0.25	0	0	0	N		# Birds	Sex	UTME	UTMN
Overall Site St Totals do not equa each column. Incluresident adults. D migrants, nestlings	ol the sum of aide only onot include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatc	hers co	lor-bai	nded? Yes	_No
fledglings. Be careful not to dindividuals. Total Survey Hrs_		0	0	0	0	If yes, report color combinection on back of form a				
Reporting	Individual _ id Wildlife S	ervice Pe	en J, p ermit#_¶ SFWS and	É 8042	U 03-9 Idlife Agency	Date Report Completed State Wildlife Agency I by September 1 st . Retain	Permit #	# 5C	-00 1951 ur records.	

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting	Individual 54	ephen J.My	ers		Ph	none # 951-369-8060 ext 111 mail stephen j. myers @ amce. cate Report Completed	
Site Name	Valley-Ivyg	ephen J.My Ien Project previous year? Y	(Rosetla O	utliers)	Da	ate Report Completed	?0m
Did you ve	erity that this site	name is consiste	nt with that used	in previous year	ars? Yes	No Not Applicable 🗸	
If site was	surveyed last ye	nat name(s) was u ar, did you survey	the same genera		? Yes_	No If no, summarize below.	_
		eneral area during		•		No If no, summarize below.	
Manageme Name of N	ent Authority for Management Enti	Survey Area: ty or Owner (e.g.	Federal M , Tonto National	Iunicipal/Count Forest)	y Sta	ate Tribal Private $\sqrt{?}$	
Length of	area surveyed: _	6.18 (km))				
Vegetation	Characteristics:	Check (only one) category that be	est describes the	e predomin	ant tree/shrub foliar layer at this site:	
<u>×</u> 1	Native broadleaf	plants (entirely or	almost entirely,	> 90% native)			
1	Mixed native and	exotic plants (mo	ostly native, 50 -	90% native)		,	
1	Mixed native and	exotic plants (mo	ostly exotic, 50 -	90% exotic)			
F	Exotic/introduced	l plants (entirely o	or almost entirely	, > 90% exotic)		
	e 2-3 predomina	nt tree/shrub spec	cies in order of do	ominance. Use	scientific n	names.	
	1 '	Do not include a				(meters)	
WIFL detenests; 3) p	ections; 2) sketch hotos of the inter s (such as start an	or aerial photo slior of the patch, e	howing site locat xterior of the pat s of survey area	tion, patch shap ch, and overall	e, survey ro site. Descri	ey area, outlining survey site and location of the oute, location of any detected WIFLs or the libe any unique habitat features in Comment, supplemental visits to sites, unique habita	eir es.
							_
	*						_
4 1							-
		Provide the follo				,	_
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interaction nesting attempts, behavior)	ıs,
				·			
							PARTIE
						7 by	

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua	Valley-I	Tvygle Alberhi	n froje U	ct (De	Palma RE O	State CA Counties Elevation 37	ty <u>R</u>	iver	51'd C (me	eters)
Creek, Riv Is cop	er, Wetland, y of USGS n	or Lake nap mark	Name <u>C</u> ked with si) NNG me irvey area	d Stream and WIFL s	ightings attached (as requi	ired)?)	Yes <u>\</u> N	<i>To</i>
Survey Co	ordinates: S S vey coordinat	tes chang	ed between	n visits, en	ter coordinate	UTM UTM UTM es for each survey in comm nation on back of this	ents sec	ction c	S4 (See instru on back of this	ections) s page.
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If	(this is a	an optionals, pair rvey). In	es for WIFL Dete nal column for de rs, or groups of b nolude additional	ocumenting oirds found on
Survey # 1 Observer(s)	Date 74 May 11						# Birds	Sex	UTM E	UTM N
Chet MGaugh	Start Stop Total hrs0.5	0	0	0	N					
Survey # 2 Observer(s) Chet	Date 6June Start	0	0	(N		# Birds	Sex	UTM E	UTM N
McGaegh	Stop Total hrs0.5				7 •					
Survey # 3 Observer(s) Chet McGavgh	Date 17 June 11 Start Stop Total hrs0.5	0	0	0	2		# Birds	Sex	UTM E	UTMN
Survey # 4 Disserver(s) Chet McGaugh	Date 28 June 11 Start Stop Total hrs0.5	0	0	O	Ν		# Birds	Sex	UTM E	UTMN
Survey # 5 Observer(s) Chet Mc Gawgh	Date 4 July 11 Start Stop Total hrs 0.5	0	0	0	2		# Birds	Sex	UTM E	UTMN
Overall Site Strotals do not equated ach column. Included in including the column and the column and the column actions are strong the column and the column actions are strong the column actions are strong the column actions are strong to the column action actions are strong to the column action actions are strong to the column action actions are strong to the column action action actions are strong to the column action actions are strong to the column action actions are strong to the column action action actions are strong to the column action actions are strong to the column action actions are strong to the column action action actions are strong to the column action action actions action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action action ac	l the sum of ade only onot include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatc	hers co	lor-bai	nded? Yes	_ No
ledglings. Be careful not to d ndividuals. Otal Survey Hrs		0	0	0	0	If yes, report color combines section on back of form an				
Reporting	Individual . Individual .	Stephe ervice Pe	n J. M	yers = 80470	13-9	Date Report Completed State Wildlife Agency F			1951	

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Reporting	Individual Sta	ephen J. M.	Ph	Phone # 951-369-8060 ext 11) E-mails tephen. j. myers@amcc.com Date Report Completed					
Site Name	AMEC TAME	alon Project (De Palma Ro	od Outlier)	E- Da	mails <u>tephen</u> ite Report Co	mnleted	mcc.com	
Was this s	ite surveyed in a	glen Project (previous year? Y	/es No 1	Unknown					
Did you v	erify that this site	name is consiste	nt with that used	in previous yea	rs? Yes	No	Not Applica	ble <u> </u>	
		nat name(s) was u ar, did you survey		al area this vear	? Yes	No	If no, summar	rize helow	
		eneral area during					_ If no, summar		
Manageme Name of N	ent Authority for Management Enti	Survey Area: ity or Owner (e.g.,	Federal M , Tonto National	Iunicipal/Count Forest)	y Sta	nte Tri	bal Privat	re <u> </u>	
Length of	area surveyed: _	0.13 (km))						
Vegetation	n Characteristics	Check (only one) category that b	est describes the	e predomin	ant tree/shrub	o foliar layer at th	is site:	
<u>×</u> 1	Native broadleaf	plants (entirely or	almost entirely,	> 90% native)			•		
1	Mixed native and	exotic plants (mo	ostly native, 50 -	90% native)					
1	Mixed native and	exotic plants (mo	ostly exotic, 50 -	90% exotic)					
I	Exotic/introduced	d plants (entirely o	or almost entirely	y, > 90% exotic)				
Identify th	ie 2-3 predomina × 500., Ba	nt tree/shrub spec cohonris Sali	cifolia, O	ominance. Use Vercus agr	scientific n Tolia	ames.			
Average h	eight of canopy	(Do not include a	range):	8		(meters)			
WIFL dete	ections; 2) sketch	py of USGS quad or aerial photo sl ior of the patch, e	howing site locat	tion, patch shape	e, survey ro	ute, location	of any detected W	VIFLs or their	
Comments	s (such as start ar	nd end coordinates sheets if necessar	s of survey area			· · · ·			
Territory S	Summary Table.	Provide the follo	wing information	n for each verifi	ed territory	at your site.			
Territory	All Dates	UTM E	UTM N	Pair	Nest	Descrin	tion of How You	Confirmed	
Number	Detected	O I I I I		Confirmed? Y or N	Found? Y or N	Terr (e.g., voca	itory and Breedin alization type, pai ting attempts, be	g Status r interactions,	
						1103	ting attempts, oc.	ilavioi)	
i ce							,		
	10 - 25 20 - 25 - 25 - 25 20 - 25 - 25 - 25								
And the second		e M							
all and the same of		WA. Brah			-				

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua	Valley -I				하늘 보이는 얼룩하셨다.	State <u>CA</u> Count <u>Elevation</u> 3	-	•	(me	ters)
Is cop	er, welland, y of USGS n	or Lake ; nap mark	Name ked with si	ırvey area	and WIFL s	ightings attached (as requi	ired)?	J		o
Survey Co	ordinates: S S vey coordinat	tes chang	ed between	n visits, en	ter coordinate	UTM UTM es for each survey in comm nation on back of this	ents sec	ction o	Sy(See instruction) n back of this	ctions)
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If	GPS Co (this is a individu	oordinate an option als, pair rvey). Ir	es for WIFL Deternal column for do s, or groups of binclude additional	ocumenting irds found on
Survey # 1 Observer(s) Chet McGavgh	Date 24 May 11 Start Stop Total hrs0.2	0	0	0	N		# Birds	Sex	UTM E	UTM N
Survey # 2 Observer(s) Chet Mc Gaush	Date 6 Tyne 11 Start Stop Total hrs0.2	0	0	0	2		# Birds	Sex	UTME	UTM N
Survey #3 Observer(s) Chet McGangh	Date 17 Jvne Start Stop Total hrs 0,2	0	0	0	N		# Birds	Sex	UTME	UTMN
Survey#4 Observer(s) Chet McGaugh	Date 28 June Start Stop Total hrs0.2	0	0	0	N		# Birds	Sex	UTME	UTM N
Survey # 5 Observer(s) Chet McGaujh	Date 14 July 11 Start Stop Total hrs 0.2	0	0	0	2		# Birds	Sex	UTME	UTMN
Overall Site Su Totals do not equa each column. Inclues esident adults. D	ont include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatc	hers co	lor-bai	nded? Yes	_No
ledglings. Be careful not to dendividuals. Cotal Survey Hrs	ouble count	0	0	0	0	If yes, report color combines section on back of form an				
Reporting	Individual	Stephen	n.J. My	1215		Date Report Completed		31/11		
US Fish ar	d Wildlife S	ervice Pe	ermit# 🕂	E 80421	73-7	State Wildlife Agency I	Permit #	150	-1951	

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting	Individual Sta	cphen J. My	1015	Phone # 951-369-8060 ext (11 E-mail stephen; myers@amec.com Date Report Completed						
Affiliation	AMEC	0	T. 15 1	A 61: \	E-	mail stephen; myers@amec, com				
Was this s	ite surveyed in a	Project (India previous year?	en Iruck (rail	UUT I er	Da	ite Report Completed				
Did you v	erify that this site	name is consiste	nt with that used	l in previous ye	ars? Yes	No Not Applicable 🗸				
If site nam	ne is different, wh	nat name(s) was u	sed in the past?_							
		ar, did you survey			? Yes_	No If no, summarize below.				
Did you si	ui vey tile saille ge	eneral area during	g each visit to thi	s site this year?	Yes _	No If no, summarize below.				
Managem Name of N	ent Authority for Management Enti	Survey Area: ty or Owner (e.g.	Federal N, Tonto National	Iunicipal/Count	Sta	ate Tribal Private				
Length of	area surveyed:	0.10 (km)							
Vegetation	n Characteristics:	Check (only one) category that b	est describes th	e predomin	ant tree/shrub foliar layer at this site:				
1	Native broadleaf	plants (entirely or	r almost entirely	, > 90% native)						
1	Mixed native and	exotic plants (mo	ostly native, 50 -	90% native)						
	Mixed native and	exotic plants (mo	ostly exotic, 50 -	90% exotic)						
	Exotic/introduced	l plants (entirely	or almost entirely	y, > 90% exotic	:)					
Identify th	ne 2-3 predomina Salix spp	nt tree/shrub spec	cies in order of d tremont	ominance. Use	scientific n	ames.				
Average h	eight of canopy (Do not include a	range):	10		(meters)				
Attach the	following: 1) co	py of USGS quad	1/topographical i	map (REQUIRI	ED) of surve	ey area, outlining survey site and location of				
						oute, location of any detected WIFLs or their be any unique habitat features in Comments.				
				if changed amo	ng surveys,	supplemental visits to sites, unique habitat				
teatures.	Attach additional	sheets if necessa	ry.							
<u>- </u>										
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				•						
Territory :	Summary Table.	Provide the follo	wing informatio	n for each verif	ied territory	at your site.				
Territory	All Dates	UTM E	UTM N	Pair	Nest	Description of How You Confirmed				
Number	Detected			Confirmed?	Found?	Territory and Breeding Status				
				Y or N	Y or N	(e.g., vocalization type, pair interactions,				
						nesting attempts, behavior)				
					,					

in after the An										
		<u> </u>			er a large dagen. Til grade av					

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua Creek, Riv Is cop	Valley -Ind Name Ler, Wetland,	yglen ake W or Lake	Project Nathew Name_ Ked with si	(Old R Semesc Irvev area	cad Outli- cal Wash	ers) State <u>CA</u> Coun Elevation <u>3</u> (Tributery) ightings attached (as requ	ty <u>Ri</u> 35 ired)?	vers	Yes \	eters)
Survey Co	ordinates: S	tart: E_4 top: E_4 tes chang	57880 157930 ed betwee	n visits, en	N 3735 N 37348 Ater coordinate	UTM 370 UTM es for each survey in commutation on back of this	Datum Zone _ nents see	WGS : 11 ction c	34(See instru	ections)
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> found, contact USFWS and State WIFL coordinator	(this is individu	an optionals, pain rvey). In	es for WIFL Dete nal column for d rs, or groups of b nclude additional	ocumenting oirds found on
Survey#1 Observer(s) Chet McGavgL	Date 24 May II Start Stop Total hrs0.6	0	0	0	N		# Birds	Sex	UTM E	UTM N
Survey # 2 Observer(s) Chet hcGavgh	Date 6 June [] Start Stop Total hrs0, 6	0	0	0	N		# Birds	Sex	UTM E	UTM N
Survey #3 Disserver(s) Chet NcGaugh	Date 7 June 1 Start Stop Total hrs 0,6	O	0	0	N		# Birds	Sex	UTM E	UTM N
Survey # 4 Observer(s) Chet McGaugh	Date 28 June 11 Start Stop Total hrs 0.6	0	0	0	N		# Birds	Sex	UTM E	UTM N
Survey # 5 Observer(s) Chet Mc Gaugh	Date 14 July 11 Start Stop Total hrs 0, 6	0	0	0	N		# Birds	Sex	UTM E	UTM N
Overall Site Strotals do not equal each column. Includes detailed and adults. Do nigrants, nestlings	I the sum of ude only onot include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato	hers co	lor-bai	nded? Yes	_No
ledglings. Be careful not to d ndividuals. Total Survey Hrs_	3,0	0	0	0	0	If yes, report color combi section on back of form a	nd repo	rt to U		
Reporting US Fish an	Individual d Wildlife S <u>Submit</u> fo	ervice Pe	ermit# T	= 80420	03 – 9 Idlife Agency	Date Report Complete State Wildlife Agency l by September 1st. Retain	Permit #	+ 50	 -1957 ur records.	

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Was this s Did you vo If site nam If site was Did you so Manageme Name of M Length of Vegetation	ite surveyed in a crify that this site is different, where surveyed last year was the same govern Authority for Management Entigarea surveyed: Characteristics: Native broadleaf Mixed native and	nat name(s) was uar, did you survey eneral area during Survey Area: ty or Owner (e.g., O.26 (km) Check (only one plants (entirely one exotic plants (mo	Yes No Unit with that used in the past? y the same general geach visit to this Federal M, Tonto National C) category that be a ralmost entirely, costly native, 50 -	Unknown in previous year al area this year? s site this year? funicipal/Count Forest) est describes the > 90% native) 90% native)	ars? Yes ? Yes Yes <u>v</u>	No No No .te Trib	npleted Not Applicable If no, summarize be al Private foliar layer at this site	elow.
r	viixed native and	exotic plants (mo	ostly exotic, 50 -	90% exotic)				
Average h Attach the WIFL dete nests; 3) p	e 2-3 predomina eight of canopy (following: 1) co ections; 2) sketch hotos of the inter s (such as start ar Attach additional	or aerial photo slior of the patch, e	range):	ominance. Use Overcus nap (REQUIRE tion, patch shap tich, and overall if changed amore	scientific nearly scientific nearly survey rosite. Describing surveys,	(meters) y area, outlini ute, location o be any unique supplemental	ing survey site and loc of any detected WIFLs habitat features in Con visits to sites, unique	s or their mments.
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Territ (e.g., vocal	ion of How You Conf cory and Breeding Sta ization type, pair inte ing attempts, behavio	itus ractions,
:								

Site Name USGS Qua	Valley-Iv ad Name				•	r) State A Count Elevation 32 5 Temes cal Wash ightings attached (as required)	-	,		eters)
Creek, Riv Is cop	er, Wetland, y of USGS n	or Lake nap mark	Name <u>Unv</u> ked with si	ramed ti urvey area	ributary to	o Temescal Wash ightings attached (as requi	ired)?)	Yes V N	<i>To</i>
Survey Co	ordinates: S	tart: Ez	457760 457690))	N 3735 N 3735	//O UTM	Datum Zone	W65 11	84 _{(See instru}	ections)
If surv	ey coordinat	tes chang	ed betwee:	n visits, er	iter coordinate	es for each survey in comm nation on back of this	ents sec	ction c	on back of this	s page.
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If	GPS Co (this is a individu	ordinate an optionals, pair vey). I	es for WIFL Dete nal column for do rs, or groups of b nclude additional	ocumenting irds found on
Survey # 1 Observer(s) Chet NeGuugh	Date 24May 11 Start Stop	0	0	0	N		# Birds	Sex	UTM E	UTMN
Survey # 2 Observer(s) Chet Nc G-avg h	Date 6 Jone 11 Start Stop Total hrs0,25	0	0	0	N		# Birds	Sex	UTME	UTM N
Survey #3 Observer(s) Chet McGaugh	Date 17 June 11 Start Stop Total hr9.25	0	0	0	N		# Birds	Sex	UTM E	UTM N
Survey # 4 Observer(s) Chet McGaugh	Date 23 June 11 Start Stop Total hrs 0.25	0	0	0	Ν		# Birds	Sex	UTM E	UTM N
Survey # 5 Observer(s) Chet McGaugh	Date 14 July 11 Start Stop Total hrs0.25	0	0	0	N		# Birds	Sex	UTM E	UTM N
Overall Site St Totals do not equa ach column. Inclu- esident adults. D nigrants, nestlings edglings.	l the sum of ide only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate			-	_No
e careful not to d ndividuals. otal Survey Hrs	1.25	0	Ö	0	0	If yes, report color combin section on back of form an	nd repo	rt to U		
Reporting US Fish an	Individual <u>2</u> d Wildlife S <u>Submit</u> fo	ervice Pe	rmit # TF	80420	15-9 Idlife Agency	Date Report Completed State Wildlife Agency F by September 1st. Retain of	ermit #	31/ 5C for you	 -	

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Reporting	Individual 54	cphen J. M en Project (previous year?)	yers		Phone # 951 - 369 - 8060 ext 111 E-mail stephenojomyers & amec. co Date Report Completed						
Site Name	Velley-Ivygle	en Project (Yard Outli	er)	E- Da	mail <u>stephen</u> ate Report Con	nojomyers © a. npleted	<u>mcc</u> .com			
Was this s	site surveyed in a erify that this site	previous year?	esNo	Unknown			Not Applicable				
If site nam	ne is different, wh	nat name(s) was u	sed in the past?_	ini previous yea							
		ar, did you survey eneral area during			? Yes_	No	If no, summarize l If no, summarize l	pelow.			
Management Name of N	ent Authority for Management Enti	Survey Area: ty or Owner (e.g.	Federal Nonto National	Iunicipal/Count Forest)	y Sta	ate Trib	al Private				
Length of	area surveyed: _	0.09 (km)								
Vegetation	n Characteristics:	Check (only one) category that b	est describes th	e predomin	ant tree/shrub	foliar layer at this si	te:			
1	Native broadleaf	plants (entirely or	almost entirely,	, > 90% native)							
<u>×</u> 1	Mixed native and	exotic plants (mo	ostly native, 50 -	90% native)							
1	Mixed native and	exotic plants (mo	ostly exotic, 50 -	90% exotic)							
I	Exotic/introduced	l plants (entirely o	or almost entirely	y, > 90% exotic	.)						
Identify th	ne 2-3 predomina Sali× 5ρρ.	nt tree/shrub spec , Eucalypt	ries in order of d ひょ らん	ominance. Use	scientific n	ames.					
		Do not include a		_		(meters)					
WIFL detenests; 3) p	ections; 2) sketch hotos of the inter s (such as start an	or aerial photo si ior of the patch, e ad end coordinate	howing site loca xterior of the pat s of survey area	tion, patch shap tch, and overall	e, survey ro site. Descri	oute, location o be any unique l	ng survey site and lo f any detected WIFI habitat features in Co visits to sites, uniqu	s or their omments.			
reatures.	Attach additional	sheets if necessa	ry.		1			•			
<u>es en en el como</u> O la completa								MATERIAL STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF			
Territory S	Summary Table.	Provide the follo	wing informatio	n for each verif	ied territory	at your site.					
Territory	All Dates	UTM E	UTM N	Pair	Nest		on of How You Cor	firmed			
Number	Detected	J 22.2 Z		Confirmed? Y or N	Found? Y or N	Territ (e.g., vocal	ory and Breeding St ization type, pair int ng attempts, behavi	atus eractions,			
		·									
		A. C. Santa			4.2						

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua	Valley -I	vyglen æEr M	Project	(El H	ermano Oc	otliers State CA Coun Elevation Temescal Wash	y Ric 315	versi	<u>Je</u>	eters)
Creek, Riv	er, Wetland,	or Lake	Name Uni	named +	ributary to	o Temescal Wash ightings attached (as requ	ired)?	y	es√ N	
		-		7 :		670 UTM 320 UTM	-			
If surv	S [.] ey coordinat	tes chang	ed betwee:	n visits, en	ter coordinate	32-0 UTM es for each survey in commenation on back of this	ents sec	ction o	 n back of this	s page.
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated	Nest(s) Found? Y or N	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	GPS Co (this is a individu	oordinate an optior als, pair rvey). Ir	s for WIFL Dete nal column for do s, or groups of b aclude additional	ocumenting irds found on
Survey # 1 Observer(s) Thet McGavgh	Date 24 Mayil Start Stop Total hrs 1	0	6	0	N		# Birds	Sex	UTM E	UTM N
Survey # 2 Observer(s) Aut McGaugh	Date June 11 Start Stop Total hrs	0	0	0	N		# Birds	Sex	UTM E	UTM N
Survey # 3 Dbserver(s) Chet McGaugh	Date 17 June 11 Start Stop Total hrs	0	0	0	N		# Birds	Sex	UTM E	UTMN
Survey # 4 Observer(s) "Met Mc Gaugh	Date 28 June 11 Start Stop	0	6	0	N		# Birds	Sex	UTME	UTM N
Survey # 5 Dbserver(s) Chet MeGaugh	Date 14 June 11 Start Stop Total hrs	0	0	0	N		# Birds	Sex	UTM E	UTM N
Overall Site Strates do not equal ach column. Inclues ident adults. Dinigrants, nestlings	l the sum of ade only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato	hers co	lor-bar	nded? Yes	_ No
ledglings. Be careful not to d ndividuals. Total Survey Hrs_	_	0	0	0		If yes, report color combi section on back of form a				
Reporting	Individual <u>S</u> d Wildlife S	ervice Pe	ermit # TE	80420	3 - 9 ldlife Agency	Date Report Completee State Wildlife Agency I by September 1st. Retain	Permit #	3 <u>5</u> c for you	 - 95 ur records.	

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Reporting	Individual Ste	phen J. My	Pho	Phone # 957-369-8060 ext 111 E-mail stephen : myers @ amec.com Date Report Completed						
Site Name Was this s	Valley-Ivyglenite surveyed in a	n Project (E previous year?	Hermano Yes Nov	Outliers) Unknown	Dat	te Report Completed				
Did you ve	erify that this site	e name is consistenat name(s) was u	nt with that used	l in previous yea	ars? Yes	No Not	Applicable 🗸			
		ar, did you survey eneral area during			r? Yes <u> </u>	No If no If no	summarize below.			
Manageme Name of N	ent Authority for Janagement Enti	Survey Area: ty or Owner (e.g.	Federal N , Tonto Nationa	Municipal/Count l Forest)	ty Stat	te Tribal	Private			
Length of	area surveyed: _	0.60 (km)							
Vegetation	Characteristics:	Check (only one) category that b	est describes th	e predomina	nt tree/shrub foliar la	yer at this site:			
1	Native broadleaf	plants (entirely or	r almost entirely	, > 90% native)						
<u>×</u> 1	Mixed native and	exotic plants (mo	ostly native, 50 -	- 90% native)		`				
N	Mixed native and	exotic plants (mo	ostly exotic, 50 -	- 90% exotic)						
F	Exotic/introduced	l plants (entirely	or almost entirel	y, > 90% exotic	:)					
Identify th	e 2-3 predomina zlìx Spp.	nt tree/shrub spec , Tamaxix	cies in order of d Vamosissi	lominance. Use	scientific na	ames.				
	•	(Do not include a								
WIFL detenests; 3) p	ections; 2) sketch hotos of the inter s (such as start ar	or aerial photo s ior of the patch, e	howing site loca xterior of the pa s of survey area	tion, patch shap tch, and overall	e, survey rou site. Describ	ate, location of any de any unique habitat	rey site and location of etected WIFLs or their features in Comments.			

Territory S	Summary Table.	Provide the follo	wing informatio	on for each verif	fied territory	at your site.				
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Territory and (e.g., vocalization	How You Confirmed I Breeding Status type, pair interactions, mpts, behavior)			
		San Ti								

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua Creek, Riv Is cop	Valley - Iv ad Name ver, Wetland, y of USGS n	yglen [Lake or Lake hap mar]	roject Matheu Name I ked with si	(Temes 15 Conesca urvey area	cal Wash O N Wash and WIFLs	vtlier)State CA Count Elevation 3 ightings attached (as requi	y <u>Ri</u> 05 ired)?	\verg	oide (me Ves√ N	o	
Survey Co If surv	ordinates: Si Si vey coordinat	tes chang	ed betwee	n visits, en	ter coordinate	990 UTM 950 UTM es for each survey in comm mation on back of this	ents se	ction c	34 (See instru on back of this	ctions)	
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> found, contact USFWS and State WIFL coordinator	(this is a individue each sur	GPS Coordinates for WIFL Detections this is an optional column for documenting ndividuals, pairs, or groups of birds found on each survey). Include additional sheets if necessary.			
Survey # 1 Observer(s) Chet Mc Gaigh	Date 24 May 11 Start Stop Total hr 0.25	0	0	0	N		# Birds	Sex	UTM E	UTM N	
Survey # 2 Observer(s) Chet Mc Gang L	Date 6 Tune 11 Start Stop Total hr 2.25	0	0	0	N		# Birds	Sex	UTM E	UTMN	
Survey # 3 Observer(s) Chot McGaugh	Date 17 June 11 Start Stop Total hrs 0,25	0	0	0	N		# Birds	Sex	UTM E	UTM N	
Survey # 4 Observer(s) Chet McGauzh	Date 28 June 11 Start Stop Total hrs 0,25	0	0	Õ	N		# Birds	Sex	UTM E	UTM N	
Survey # 5 Observer(s) Chet McGaugh	Date 14 July 11 Start Stop Total hrs0.25	0	0	0	Ν		# Birds	Sex	UTM E	UTMN	
Overall Site States of Totals do not equal each column. Includes resident adults. District migrants, nestling fledglings.	al the sum of ude only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate				_No	
Be careful not to cindividuals. Total Survey Hrs	1.25	0	0	0	0	If yes, report color combin section on back of form an	nd repo				
Reporting US Fish ar	Individual <u> </u>	ervice Pe	ermit # T	80420	3-9 Idlife Agency	Date Report Completed State Wildlife Agency F by September 1 st . Retain to	ermit #	31 <u>5C</u> for you			

Fill in the following information completely. <u>Submit</u> form by September Ist. Retain a copy for your records.

Reporting Affiliation Site Name	Individual 57- AMEC Valley-Ivyglite surveyed in a	ephen J. My en Project (T previous year?)	iers emescal Was	h Outlier)	Pho E-r Da	one# <u>951-369</u> nail <u>stephen.j.v</u> te Report Completed	-8060 ext 111 nyers e ama.com
Did you v If site nam If site was	erify that this site ne is different, wh s surveyed last ye		ent with that used used in the past?_ y the same gener	l in previous year	r? Yes	No No No No No No If no	o, summarize below.
Managem Name of N	ent Authority for Management Enti	Survey Area: ty or Owner (e.g.	Federal N, Tonto National	Iunicipal/Count Forest)	tySta	te Tribal	_ Private
Length of	area surveyed: _	0.09 (km)				
Vegetation	n Characteristics	Check (only one	e) category that b	est describes th	e predomina	int tree/shrub foliar l	ayer at this site:
<u>X</u> 1	Native broadleaf	plants (entirely or	r almost entirely	, > 90% native)			
1	Mixed native and	exotic plants (mo	ostly native, 50 -	90% native)		,	
1	Mixed native and	exotic plants (mo	ostly exotic, 50 -	90% exotic)			
	Exotic/introduced	l plants (entirely	or almost entirel	y, > 90% exotic	:)		
Identify th	ne 2-3 predomina Sali x spp	nt tree/shrub spec	cies in order of d	ominance. Use	scientific na	ames.	
Average h	neight of canopy	(Do not include a	range):	12		(meters)	
WIFL det nests; 3) p Comment	ections; 2) sketch shotos of the inter s (such as start ar	or aerial photo s ior of the patch, e	howing site loca exterior of the pares s of survey area	tion, patch shap tch, and overall	e, survey ro site. Describ	ute, location of any doe any unique habitat	vey site and location of letected WIFLs or their features in Comments. to sites, unique habitat
Tomitom	Cummaw, Tabla	D	· · · · · · · · · · · · · · · · · · ·	- £ - 1 - :4	7.1, 1		
		Provide the follo					
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Territory and (e.g., vocalization	How You Confirmed d Breeding Status type, pair interactions, empts, behavior)
				·	,		
		·					MATERIAL PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPE
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Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name USGS Qua Creek, Riv	Valley -I ad Name <u>L</u> er. Wetland	vyglen akc 1	<u>Project</u> <u>1athews</u> Name	- CBqsir	outlier)				/Le (me	eters)
				urvey area	and WIFL s	ightings attached (as requi	red)?	J	'es <u>√</u> N	To
Survey Co-	ordinates: S S vey coordinat	tes chang	ed betwee	n visits, en	iter coordinate	es for each survey in comm	ents sec	ction o	(See instru — n back of this	ctions)
		**	Fill in ac	dditional	site inforn	nation on back of this	page	**		
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Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting	Individual <u>Ste</u>	phen J. My	es		Pho	one # 951-3	369-8060 ect 111
Affiliation	AMEC	entroject (Peri O II		E-1	nail <u>stephen</u>	369-8060 ect 111 ·j. myers@amcc . com npleted_
Was this s	ite surveyed in a	previous year?	es ✓ No	Unknown			
Did you v	erify that this site	name is consiste	nt with that used	in previous yea	ars? Yes	No <u>/</u>	Not Applicable
		at name(s) was u ar, did you survey		al area this wear	·2 Von	/ No	If no, summarize below.
		eneral area during					If no, summarize below. If no, summarize below.
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Managem Name of N	ent Authority for Management Enti	Survey Area: ty or Owner (e.g.	Federal M, Tonto National	funicipal/Count Forest)	y Sta	te Trib	pal Private 🗸 }
Length of	area surveyed:	O, II (km)				
Vegetation	n Characteristics:	Check (only one) category that b	est describes th	e predomina	nt tree/shrub	foliar layer at this site:
1	Native broadleaf	plants (entirely or	almost entirely,	> 90% native)			
<u>×</u>	Mixed native and	exotic plants (mo	ostly native, 50 -	90% native)			
1	Mixed native and	exotic plants (mo	ostly exotic, 50 -	90% exotic)			
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reatures.	Attach additional	sheets if necessa	ry.	8			
							·
Territory S	Summary Table.	Provide the follo	wing information	n for each verif	ied territory	at your site.	
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Territ (e.g., vocal	ion of How You Confirmed tory and Breeding Status ization type, pair interactions, ing attempts, behavior)
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Southern California Edison Valley- Ivyglen Subtransmission Line Project 2011 Focused Surveys for Least Bell's Vireo Southwestern willow flycatcher and Western Yellow-Billed Cuckoo AMEC Project No. 1055400435 November 2011



APPENDIX C WESTERN YELLOW-BILLED CUCKOO SURVEY FORMS

Southern California Edison Valley- Ivyglen Subtransmission Line Project 2011 Focused Surveys for Least Bell's Vireo Southwestern willow flycatcher and Western Yellow-Billed Cuckoo AMEC Project No. 1055400435 November 2011



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0748 Wind: Site Owner: Site Code: Broadcast UTM Stop N UTM Stop E: UTM Start N UTM Start E: Drainage: Yellow-billed Cuckoo Survey Data Form (2009) 00000 Time 7058 -Point Start ww 0 9 0 N 4 acc. GPS Cloud Cover: Site Name: Baker Street E467403 E467403 E467476 E467476 E467367 E467367 E467227 E467227 State: CA 7550 O Habitat: Precip: N 372 N 3 N 37 2 County: Riverside 72 Transect #: 8 2 - 0 8 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 - 0 9 2 Noise: Start GPS acc. (m): Stop GPS acc. (m): Detect. YBCU Survey Period: GPS #: Temp (F°) start/stop:70/85 Non-Survey Detection (check box) Time of Detect. Transect Start Time: Transect Stop Time: NAD: Zone: Det. Type. A,V,B Visit #: Observer: Chet McGaugh Bearing $(^{\circ})$ Data Data Entry: verification: Сошраѕѕ Date: Est. Dist (m) 0 0 Est. Acc. 9 9 0 4 0 5 0 Vocal. Code Code Breed. Note

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Yellow-billed Cuckoo Survey Data Form (2009)

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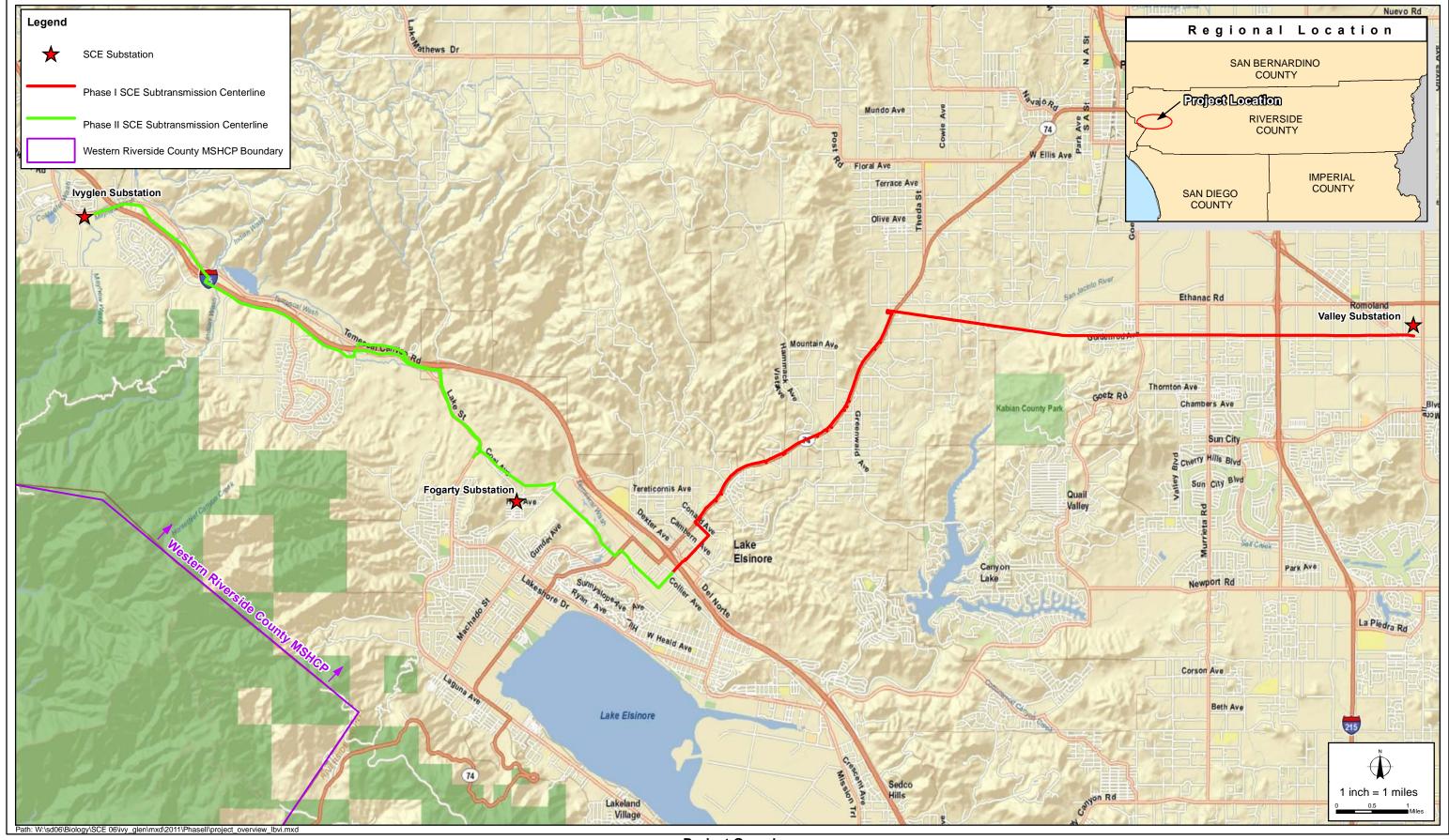


APPENDIX D MAPS OF SURVEY AREAS AND SURVEY RESULTS

Southern California Edison Valley- Ivyglen Subtransmission Line Project 2011 Focused Surveys for Least Bell's Vireo Southwestern willow flycatcher and Western Yellow-Billed Cuckoo AMEC Project No. 1055400435 November 2011



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Project Overview



Legend

Least Bell's Vireo Occurrence



Subtransmission Centerline



Map Page Indicator



Least Bell's Vireo and Southwestern Willow Flycatcher Survey Area



Least Bell's Vireo, Southwestern Willow Flycatcher and Western Yellow-billed Cuckoo Survey Area

Locator Map



Map Notes Aerial Image - BING Survey Area - AMEC (2011) Sightings - AMEC (2011)







2011 Least Bell's Vireo, Southwestern Willow Flycatcher, and Western Yellow-billed Cuckoo Surveys: Survey Areas and Least Bell's Vireo Sightings

Map 2a



Legend

Least Bell's Vireo Occurrence

Subtransmission Centerline

Map Page Indicator

Least Bell's Vireo and Southwestern Willow Flycatcher Survey Area

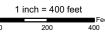
Least Bell's Vireo, Southwestern Willow Flycatcher and Western Yellow-billed Cuckoo Survey Area

Locator Map



Map Notes Aerial Image - BING Survey Area - AMEC (2011) Sightings - AMEC (2011)

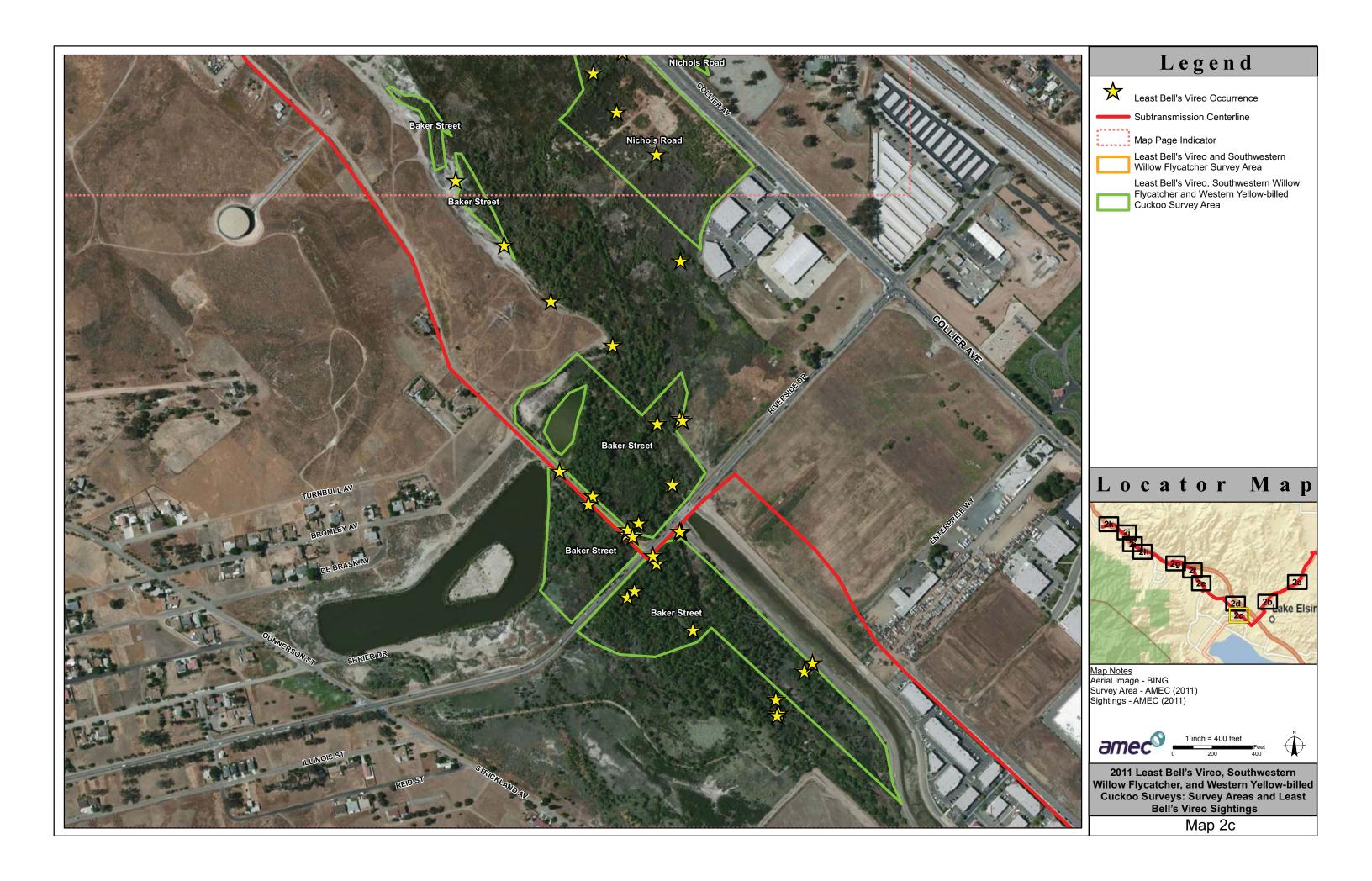


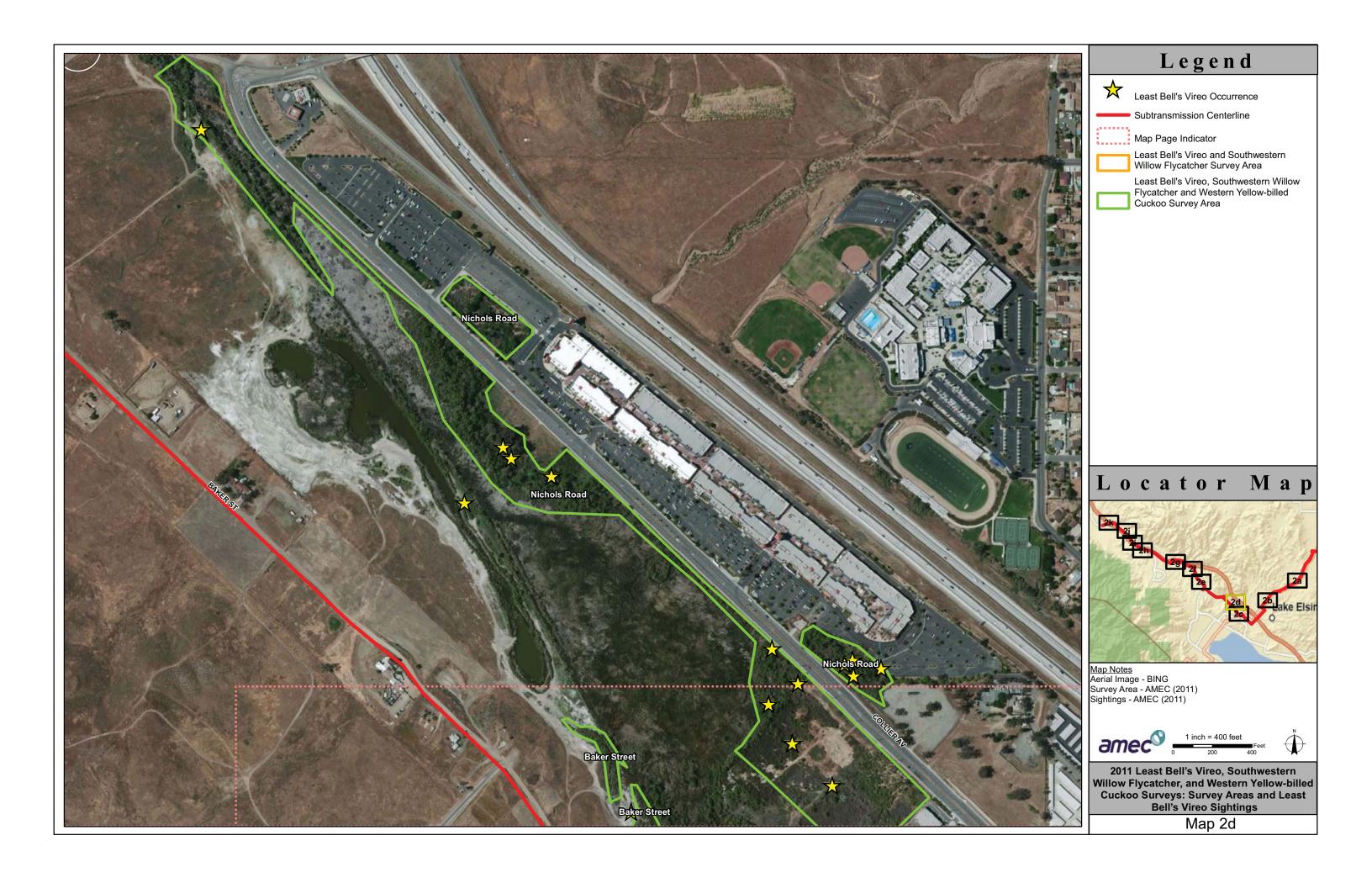




2011 Least Bell's Vireo, Southwestern Willow Flycatcher, and Western Yellow-billed Cuckoo Surveys: Survey Areas and Least Bell's Vireo Sightings

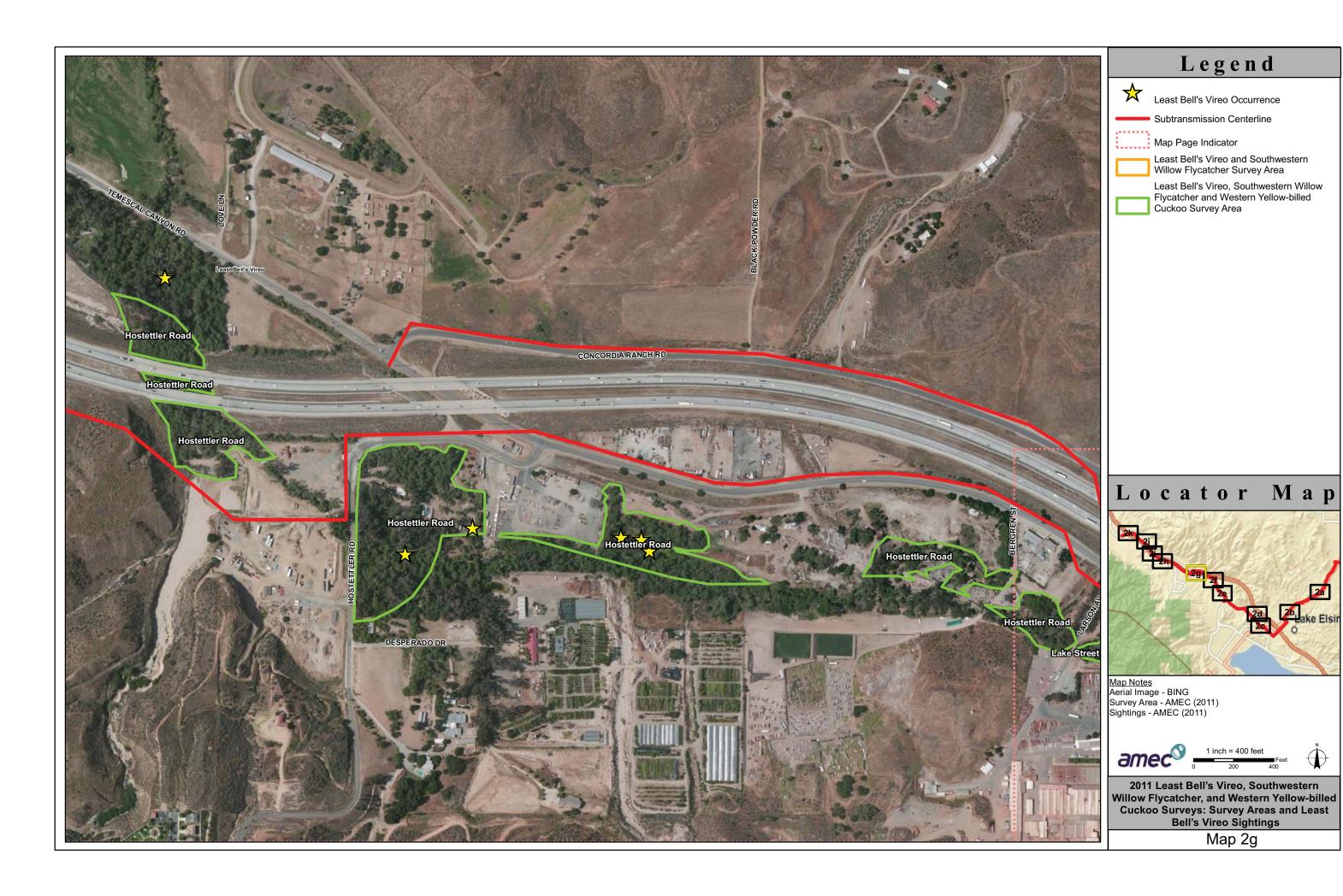
Map 2b

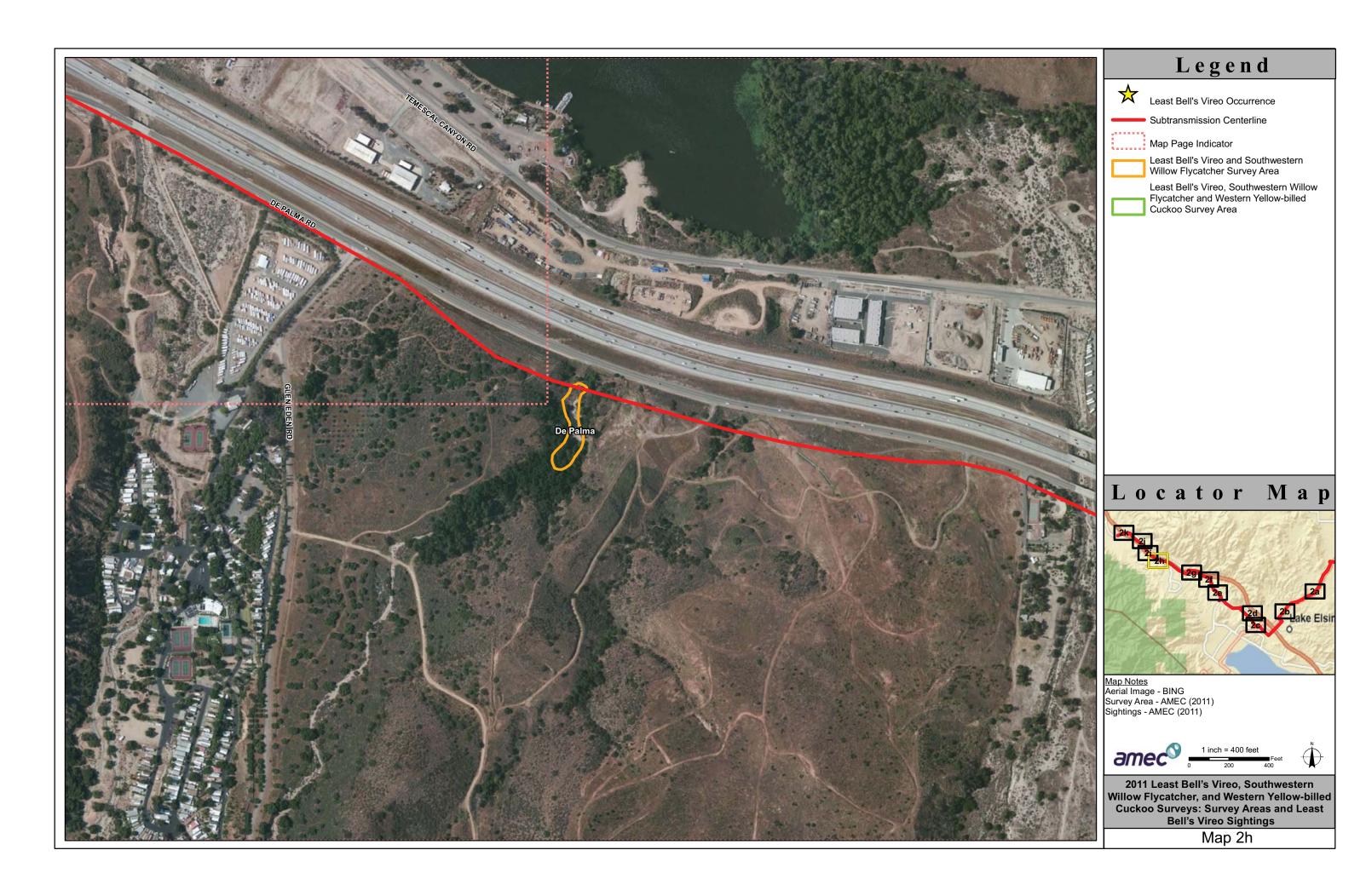


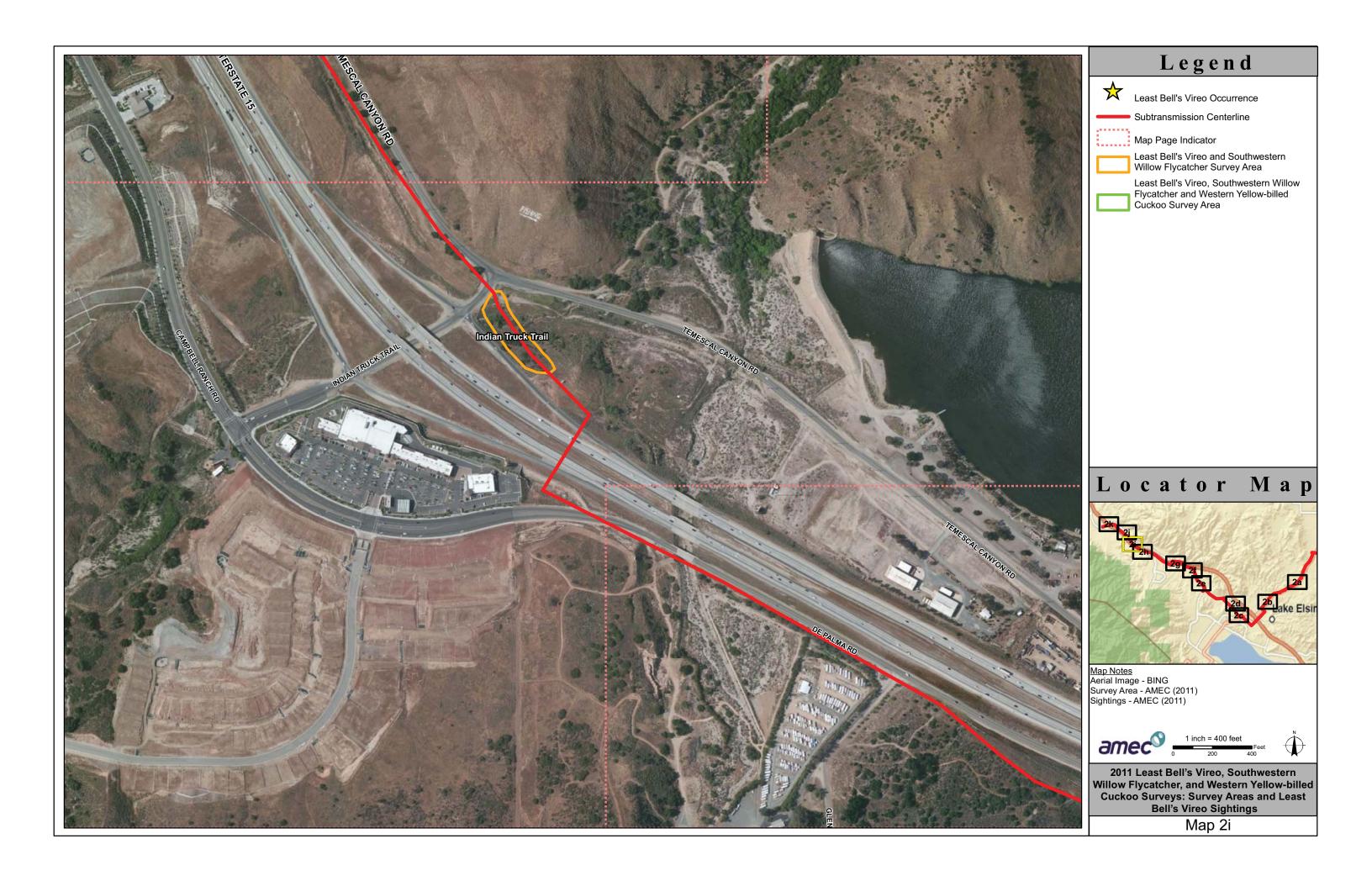


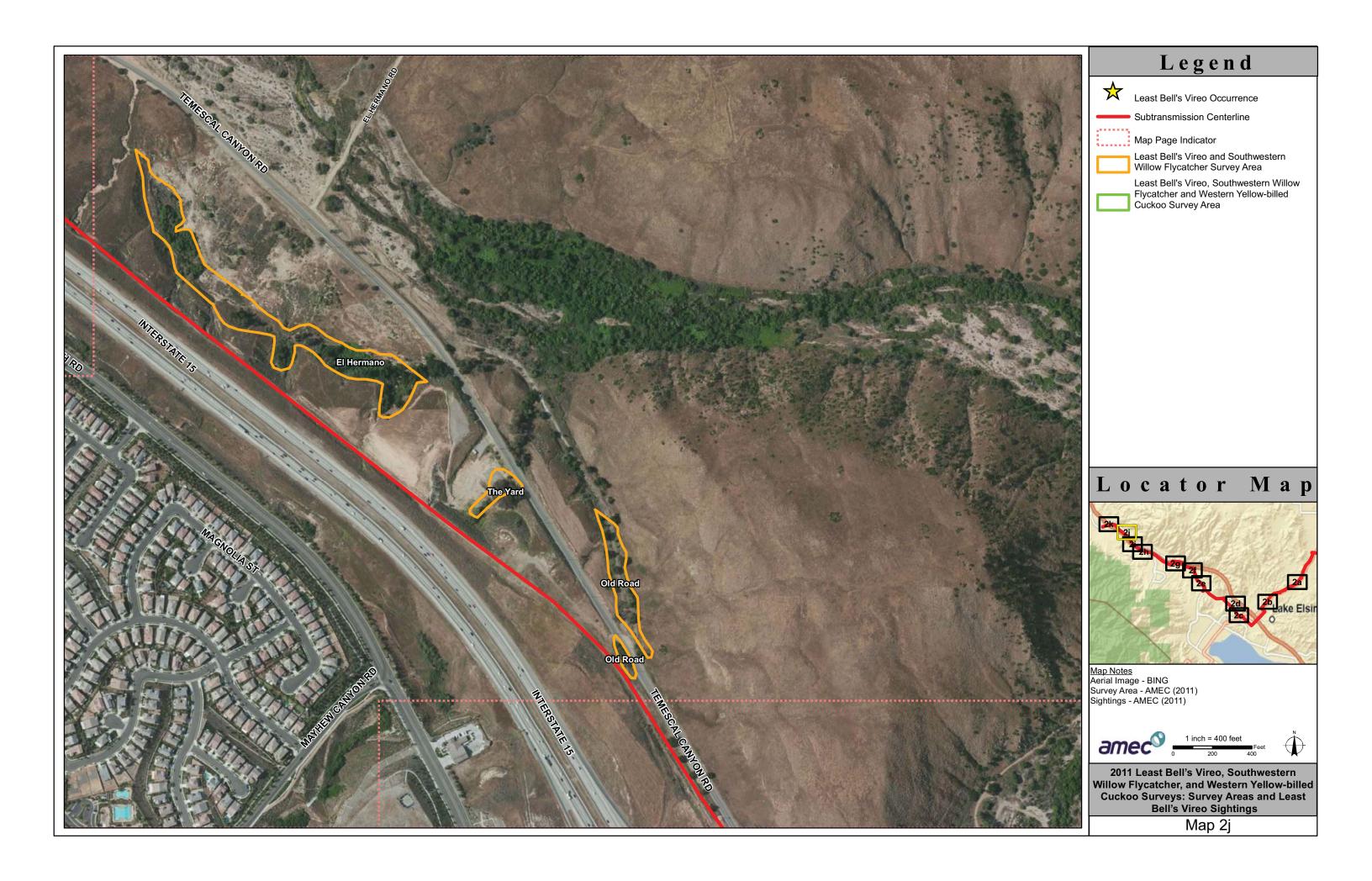


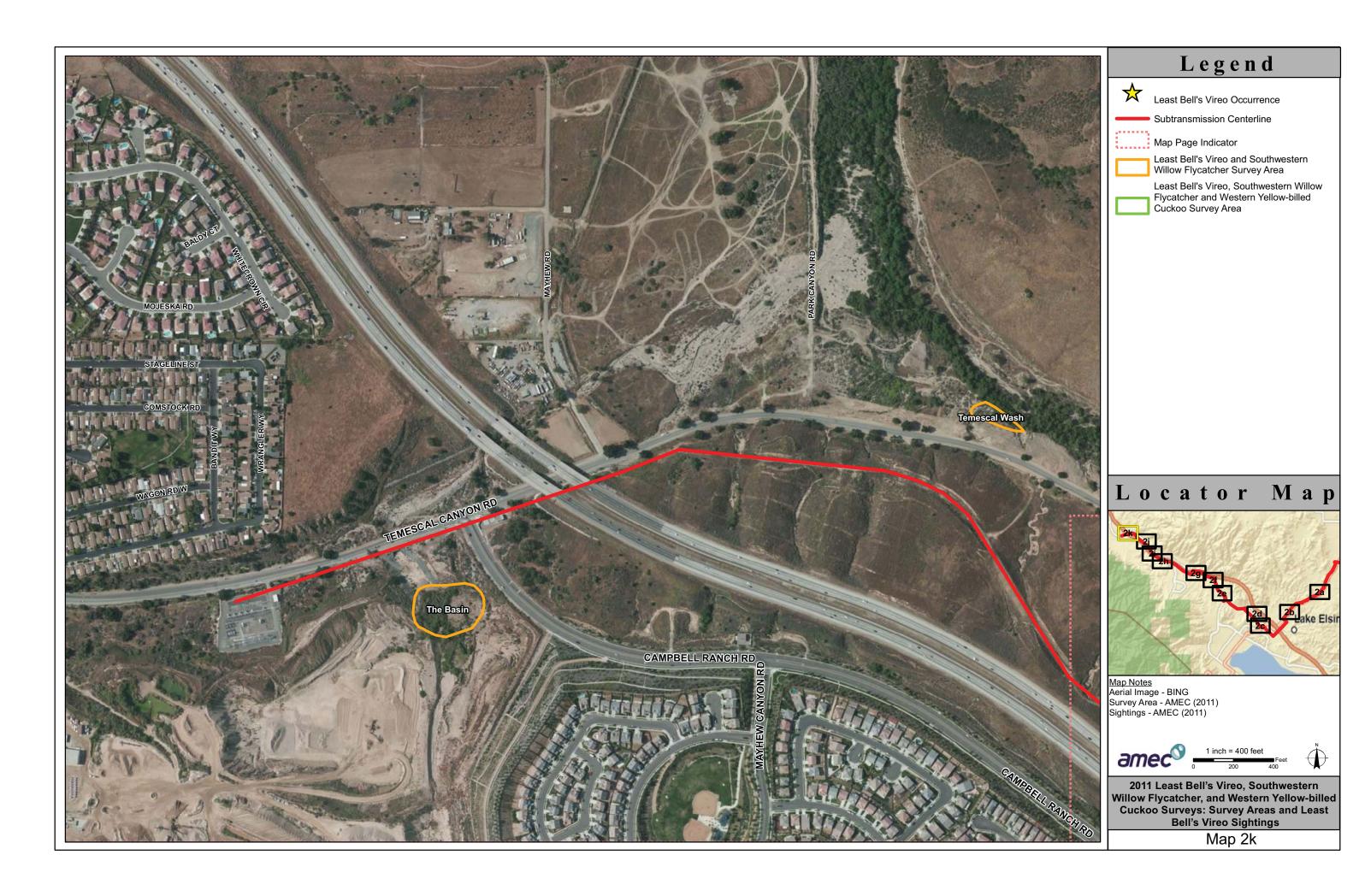


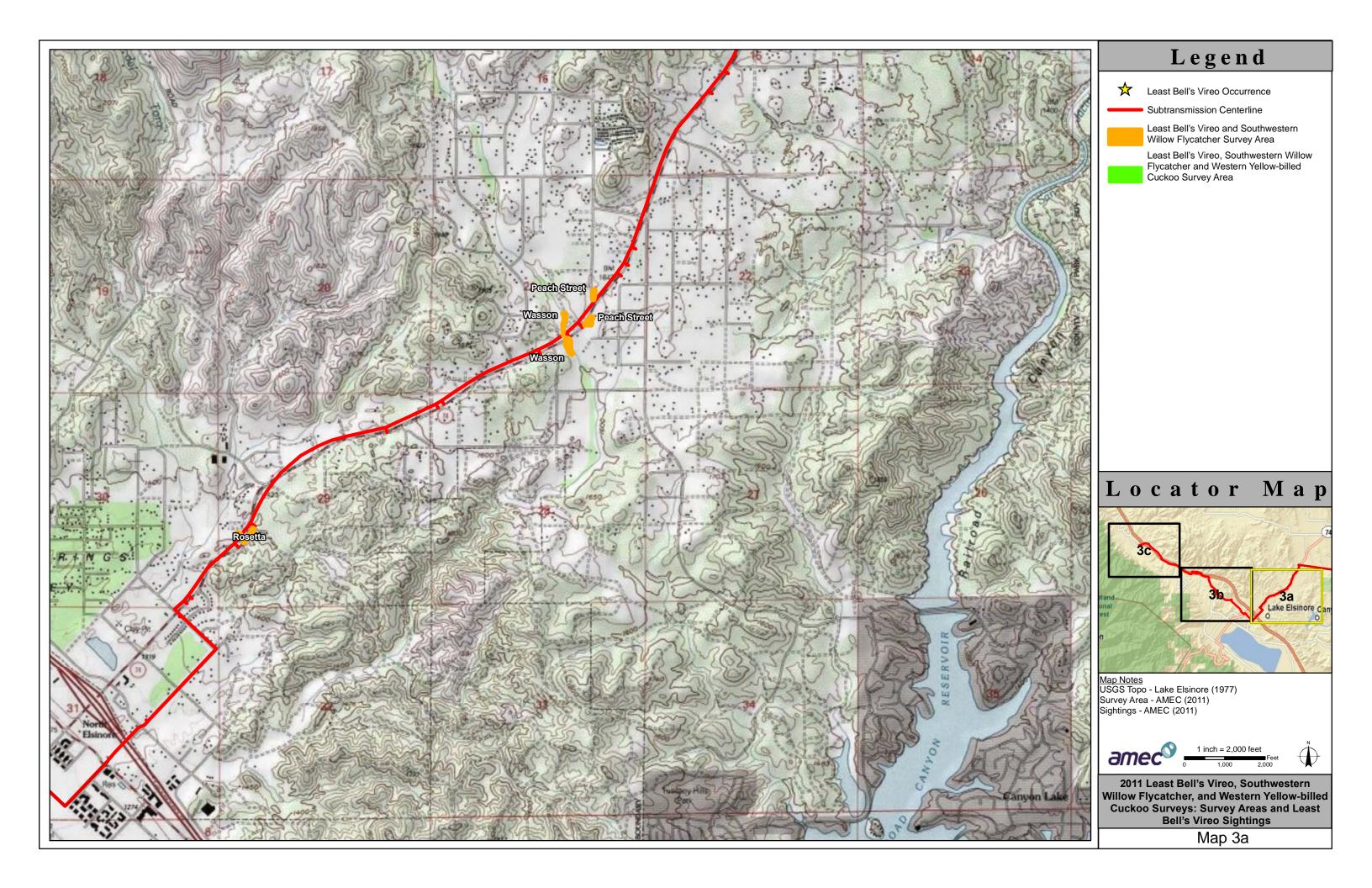


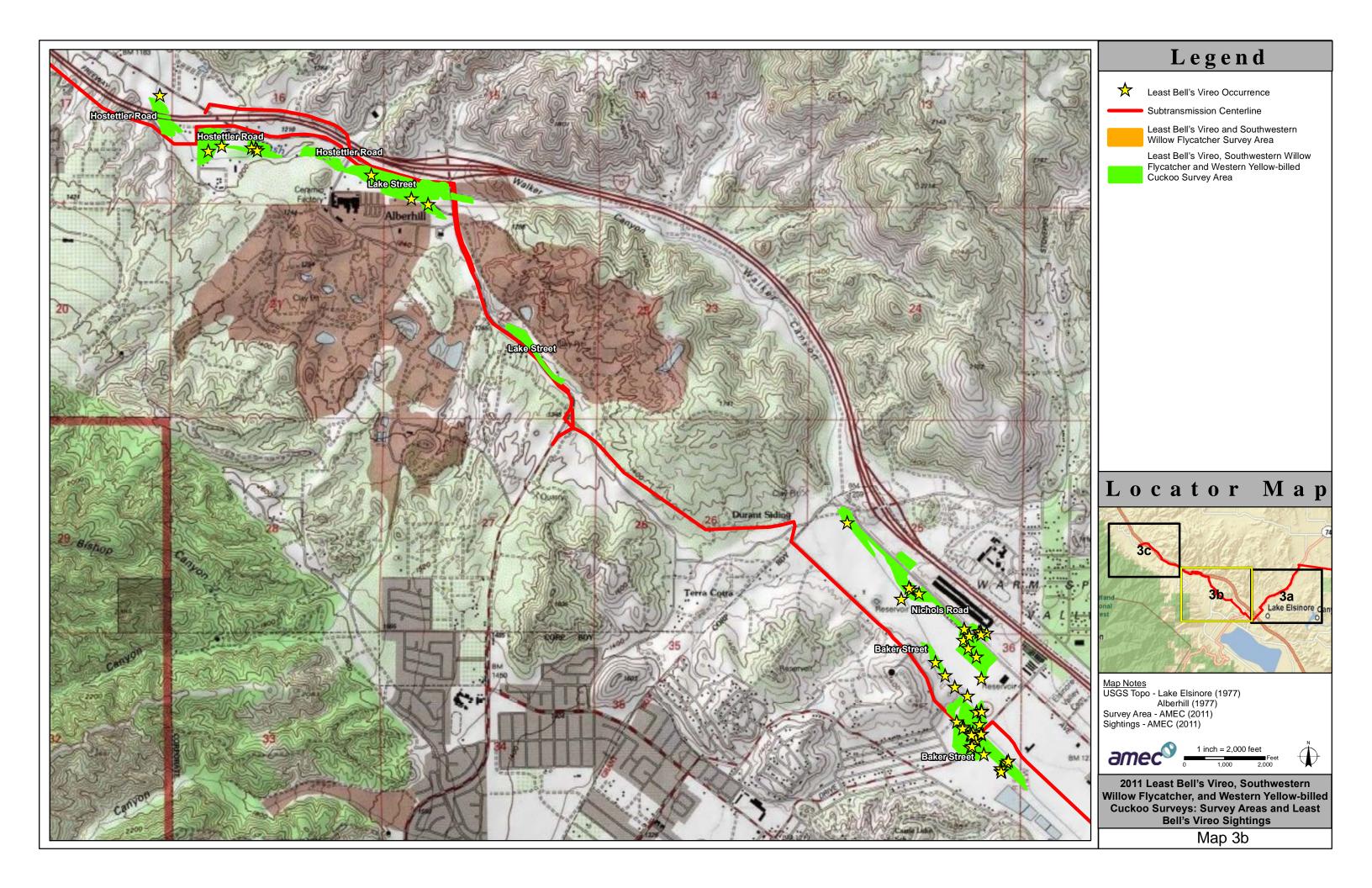


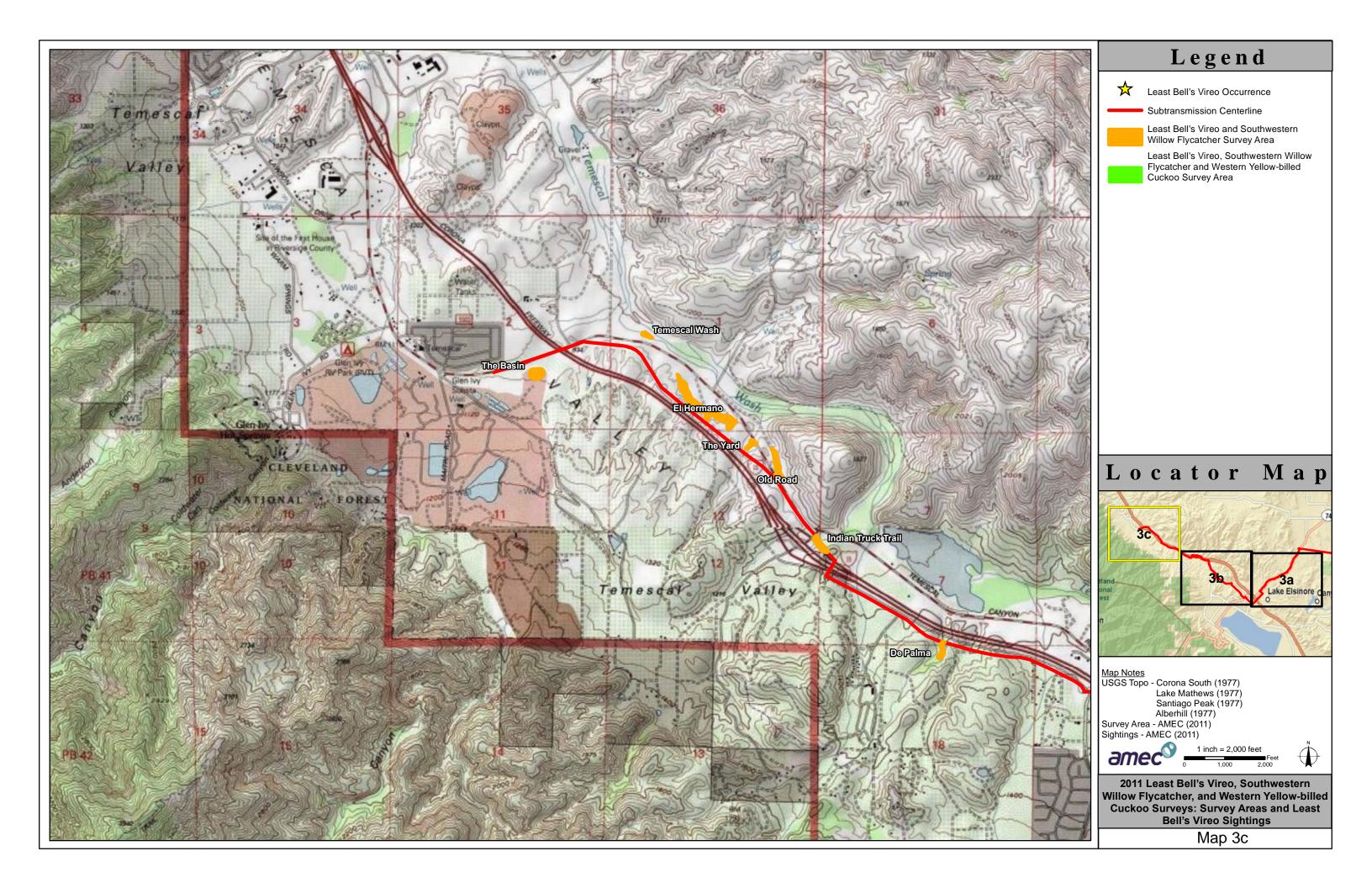














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RESULTS OF FOCUSED SURVEYS FOR THE LEAST BELL'S VIREO, SOUTHWESTERN WILLOW FLYCATCHER, AND WESTERN YELLOW-BILLED CUCKOO FOR THE VALLEY-IVYGLEN TRANSMISSION LINE PROJECT, PHASE II RIVERSIDE COUNTY, CALIFORNIA



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August 2012 AMEC Project No. 1255400499



EXECUTIVE SUMMARY

At the request of Southern California Edison (SCE), AMEC Environment and Infrastructure, Inc. (AMEC) conducted focused surveys for the state and federally listed as endangered Least Bell's Vireo (*Vireo belli pusillus*) and Southwestern Willow Flycatcher (*Empidonax traillii extimus*) and the state listed as endangered Western Yellow-billed Cuckoo (*Coccyxz americana occidentalis*). Surveys were conducted at suitable habitat patches along the Valley-Ivyglen Transmission Line Project, Phase II (see Appendix A, Figures 1-3). These patches are locations where these species have not been detected in previous survey years (AMEC 2007, 2009, 2010, 2011). The surveys were performed to satisfy requirements of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) (Riverside County 2003). No Least Bell's Vireos, Southwestern Willow Flycatchers, or Western Yellow-billed Cuckoos were detected.



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CERTIFICATION



ACRONYMS AND ABBREVIATIONS

AMEC Environment & Infrastructure, Inc.
California Department of Fish and Game
degrees Fahrenheit
kilovolt
Least Bell's Vireo
miles per hour
Multiple Species Habitat Conservation Plan
Pacific Standard Time
Valley-Ivyglen Transmission Line Project, Phase I
right-of-way
Southern California Edison
project ROW and 500-foot buffer from centerline of ROW
Southwestern Willow Flycatcher
United States Fish and Wildlife Service
United States Geological Survey
Western Yellow-billed Cuckoo



1.0 INTRODUCTION

At the request of Southern California Edison (SCE), AMEC Environment and Infrastructure, Inc. (AMEC) conducted focused surveys for the state and federally listed as endangered Least Bell's Vireo (Vireo belli pusillus) and Southwestern Willow Flycatcher (Empidonax traillii extimus) and the state listed as endangered Western Yellow-billed Cuckoo (Coccyxz americana occidentalis). Surveys were conducted at suitable habitat patches along the Valley-Ivyglen Transmission Line Project, Phase II (see Appendix A, Figures 1-3). These patches are locations where none of these species have been detected during previous Valley-Ivyglen riparian birds survey efforts (AMEC 2007, 2009, 2010, 2011). The surveys were performed to satisfy requirements of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) (Riverside County 2003). This report presents the findings of those focused surveys

1.1 Project Description

The proposed project has been divided into two portions: eastern (Phase I) and western (Phase II). Phase I extends from the Valley Substation in the City of Menifee southwest to the corner of Collier Avenue and Third Street in the City of Lake Elsinore. The Valley Substation is located in the City of Menifee on the west side of Menifee Road between McLaughlin and Ethanac Roads. Phase II extends from that corner northwest to the Ivyglen Substation in the City of Corona. The proposed project is designed to improve reliability and meet projected electrical load requirements in western Riverside County, and involves the eventual construction of a new 115 kilovolt (kV) transmission line between the Valley and Ivyglen Substations.

The proposed Phase II transmission line route (project) is located entirely in western Riverside County, California and it traverses portions of unincorporated county and the cities of Corona and Lake Elsinore (See Appendix A, Figures 1 - 3). The route traverses portions of the Lake Elsinore, Lake Mathews, and Alberhill United States Geological Survey (USGS) 7.5-minute series topographic quadrangles (see Appendix A, Figure 3).

This report concerns focused surveys conducted within the Phase II portion of the project area; Phase I will not be discussed further. Appropriate habitat was surveyed along the proposed transmission line right-of-way (ROW) and a 500-foot buffer from the centerline of the proposed ROW (study area), with the exception of areas that already have established occurrences of Least Bell's Vireos. AMEC was not given permission to survey on lands belonging to Castle and Cooke, so appropriate habitat in those areas is also excluded (see reduced survey area on Figures 2A and 3A in Appendix A).

The study area is located within the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). The MSHCP is a comprehensive, multi-jurisdictional Habitat Conservation Plan, which focuses on conservation of species and their associated habitats in western Riverside County (Riverside County 2003).



1.2 Species Information: Least Bell's Vireo

Least Bell's Vireo (LBV) is a small, migratory, insectivorous bird which occurs in willow-dominated riparian habitats. Although this bird is drab in plumage and can be secretive within its densely vegetated habitat, males are easy to detect on the breeding grounds due to their conspicuous and diagnostic song. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams (Grinnell and Miller 1944, Goldwasser 1978, Franzreb 1987, Garrett and Dunn 1981).

Least Bell's Vireos were formerly widespread and common throughout low-lying riparian habitats of central and southern California, but are now restricted to a limited number of locations in southern California. Habitat reduction has contributed to this species' significant population declines. Nest parasitism by Brown-headed Cowbirds (*Molothrus ater*) has also seriously impacted reproductive success by Least Bell's Vireo, as well as many other species which build cup nests (Goldwasser 1978). The population is slowly recovering as a result of habitat restoration and cowbird control efforts. Least Bell's Vireo is listed as Endangered by the California Department of Fish and Game (CDFG) and by the United States Fish and Wildlife Service (USFWS) (USFWS 1986). A final determination of critical habitat was made in 1994 (USFWS 1994). The project area is not within designated critical habitat for the Least Bell's Vireo.

1.3 Species Information: Southwestern Willow Flycatcher

The Southwestern Willow Flycatcher (SWF) is a small, brownish-olive flycatcher that was formerly considered a common summer resident in southern California's lowland willow thickets and in low elevation mountain canyons (Garrett and Dunn 1981). Following the large-scale invasion of southern California by Brown-headed Cowbirds in the 1920s, along with loss of willow riparian habitat, this subspecies was nearly extirpated from southern California. The Willow Flycatcher was listed by the State of California as endangered in 1990. The subspecies *E. t. extimus* (Southwestern Willow Flycatcher) is listed as federally endangered (USFWS 1995). Critical habitat was designated for this species in 1997 (USFWS 1997), then revised and finalized again in 2005 (USFWS 2005). New revisions to critical habitat have been proposed (USFWS 2011), but not finalized. The project area is not within currently designated or proposed critical habitat for the SWF.

Surveys have revealed extant populations along the Santa Margarita and San Luis Rey Rivers in San Diego County, in the San Bernardino Mountains and along the Mojave River in San Bernardino County, the Santa Ynez River in Santa Barbara County, the Santa Clara River in Los Angeles and Ventura counties, the South Fork of the Kern River in Kern County (Unitt 1987, Marshall 2000), and the Prado Basin and San Timoteo Creek in western Riverside County (J. Pike, Orange County Water District; R. McKernan, San Bernardino County Museum: pers. comm.). This subspecies also persists in the Lower Colorado River Valley (Marshall 2000, R. McKernan, pers. comm.). Unlike LBVs, SWF populations do not appear to have gained any significant benefit from habitat restoration and cowbird control efforts.



The Southwestern Willow Flycatcher breeds in dense riparian habitats near surface water or saturated soil. Plant composition and habitat structure can vary greatly depending on the site, but willows often make up much of the understory. Populations along the Colorado River are known to use thickets dominated by both native and nonnative plants (especially Salt-Cedar [*Tamarix* spp.]). Dense patches of understory vegetation are a critical component of occupied habitat (Sogge *et al.* 1997).

1.4 Species Information: Western Yellow-billed Cuckoo

The Western Yellow-billed Cuckoo (WYBC) is an extremely rare bird in California, with less than 50 pairs found during a statewide survey in 1986-1987, and no indication of more recent population increases. Most of California's Yellow-billed Cuckoos are found in two areas: along the Sacramento River between Red Bluff and Colusa, and along the South Fork Kern River near Weldon (Laymon 1998). Western Yellow-billed Cuckoo was listed as Endangered by the State of California in 1988.

Western Yellow-billed Cuckoos are long distance migrants and return to California from their South American wintering areas in late May and June. Occupied riparian forests are usually larger than 25 acres. Detection of Western Yellow-billed Cuckoos is difficult, as they have large home ranges in dense willow and cottonwood forests and call infrequently. Recorded playback of the species' calls is the recommended method for conducting surveys.



2.0 METHODS

2.1 Least Bell's Vireo and Southwestern Willow Flycatcher

Areas considered to contain suitable habitat along the project route are below. All are recorded in UTM, Zone 11, NAD27:

- Lake Street Mulefat Area is a riparian patch dominated by Mule Fat (*Baccharis salicifolia*), but including willows (*Salix* spp.) as well. It is located just southeast of the intersection of Temescal Canyon Road and Lake Street. The approximate north end of survey area is at 463739E, 3731808N and the south end is at 463836E, 3731478N. No surface water or saturation was visible at this site during the 2012 riparian birds surveys. This unnamed drainage is a USGS mapped intermittent blueline stream, which appears to have shifted east of its mapped position. It is just east of habitat in Temescal Wash known to have been occupied by Least Bell's Vireos in the past and north of and contiguous with habitat to the south that could not be surveyed in 2012 because access was not granted by Castle and Cooke. This area occurs on land mapped on the USGS 7.5 minute *Alberhill, Calif.* quadrangle (see Appendix A, Figures 2a and 3a). This is the only Phase II patch in the Southeast survey area (see Table 1 below).
- Horsethief East is a riparian patch dominated by Fremont Cottonwoods (*Populus fremontii*), willows, and Mule Fat. It is located approximately 0.4 mile southeast of the intersection of De Palma and Horsethief Canyon Roads. The approximate north end of survey area is at 463739E, 3731808N and the south end is at 463836E, 3731478N. This unnamed drainage is a USGS mapped intermittent blueline stream which is now interrupted by an upstream housing development. No surface water or saturation was visible at this site during the 2012 riparian birds surveys, but surface water was present upstream of our survey area near the housing development. This area occurs on land mapped on the USGS 7.5 minute *Alberhill*, *Calif*. quadrangle (see Appendix A, Figures 2b and 3b). Part of the Northwest survey area (see Table 1 below).
- Horsethief West is a riparian patch dominated by Mule Fat and willows. It is located approximately 0.15 mile southeast of the intersection of De Palma and Horsethief Canyon Roads. The approximate north end of survey area is at 460467E, 3732884N and the south end is at 460471E, 3732851N. This unnamed drainage has been highly modified and is now interrupted by development upstream. No surface water or saturation was visible at this site during the 2012 riparian birds surveys, but surface water was present upstream of our survey area below a public park. This area occurs on land mapped on the USGS 7.5 minute Alberhill, Calif. quadrangle (see Appendix A, Figures 2b and 3b). Part of the Northwest survey area (see Table 1 below).
- **De Palma** is a small riparian patch south of De Palma Road, approximately 0.5 mile southeast of the intersection of De Palma and Glen Eden Roads. The north end of this patch is riparian scrub (willows and Mule Fat) transitioning to oak woodlands to the southwest. Upstream rural residential may provide some moisture to this unnamed and unmapped drainage, but no surface water or saturation was visible at this site. The approximate north end of survey area is at 459298E, 3733470N and the south end is at



459180E, 3733308N. This area occurs on land mapped on the USGS 7.5 minute *Alberhill, Calif.* quadrangle (see Appendix A, Figures 2c and 3b). Part of the Northwest survey area (see Table 1 below).

- Indian Truck Trail Outliers are two riparian patches on the same unnamed USGS mapped intermittent blueline stream. The west patch is just southeast of the intersection of the northbound Interstate 15 offramp to Indian Truck Trail, and the east patch is approximately 0.14 mile east of the intersection of Temescal Canyon Road and Indian Truck Trail. Riparian habitat in these patches consists of willows, Fremont Cottonwoods, Mule Fat, and Coast Live Oaks. Upstream development may provide some moisture to this drainage, but no surface water or saturation was visible during the survey season. The approximate west end of survey area is at 458285E, 3734226N and the east end is at 458625E, 3734337N. These patches occur on lands mapped on the USGS 7.5 minute Alberhill, Calif. and Lake Mathews, Calif. quadrangles (see Appendix A, Figures 2d and 3b). Part of the Northwest survey area (see Table 1 below).
- Yard is a small riparian patch southwest of Temescal Canyon Road, approximately 0.3 mile south-southeast of El Hermano Road. The approximate west end of survey area is at 457767E, 3734904N and the east end is at 457791E, 3734938N. This area occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (see Maps 2e and 3b). A patch of willows and Mule Fat occurs at this site. A grove of large gum trees (Eucalyptus sp.) is adjacent to the northeast of the riparian scrub. The site had some surface water during the entire survey season. This site is on an unnamed USGS mapped intermittent blueline stream, with flow enhanced by runoff from upstream residential development. Part of the Northwest survey area (see Table 1 below).
- El Hermano Outliers are three associated riparian patches southwest of the intersection of Temescal Canyon and El Hermano Roads. This area occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (see Maps 2e-f and 3b). The approximate west end of survey area is at 457282E, 3735400N and the east end is at 457527E, 3735332N. The westernmost patch is dominated by willows and had surface water throughout the survey season. The other two patches consisted of Mule Fat and shrubby willows and lacked surface water or saturated soils. This area is not mapped as a drainage but appears to be fed by runoff from housing developments on the other side of Interstate 15. Part of the Northwest survey area (see Table 1 below).
- Mayhew Outliers are two associated riparian patches just east of the intersection of Temescal Canyon and Mayhew Roads. This area occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (see Maps 2g and 3b). The approximate west end of survey area is at 456519E, 3735690N and the east end is at 456622E, 3735609N. The two patches contain Mule Fat and shrubby willows, but lacked surface water or saturated soils. This area is not mapped as a drainage but the eastern patch is within natural drainage contours and appears to be fed by runoff from housing developments on the other side of Interstate 15. This drainage was once blocked by fill for a now abandoned railroad crossing, and passed through a culvert there, below our survey area. That fill and culvert were blown out by flooding (in 2011?). The western patch of this survey area appears to be an artificial basin that may have filled when



- The Basin patch is in a detention basin/former gravel pit southwest of Temescal Canyon Road, just south of its intersection with Campbell Ranch Road. It is not a named or mapped drainage. The approximate north end of survey area is at 456189E, 3735514N and the south end is at 456184E, 3735439N. This point occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (see Maps 2g and 3b). This patch of approximately one acre of scrubby willow, Mulefat, and Salt-Cedar (Tamarix ramosissima) is within a detention basin. The Salt-Cedar occurs primarily around the perimeter of the basin, with dense willow scrub occurring in the center of the basin. No surface water or saturation was visible during the surveys. Part of the Northwest survey area (see Table 1 below).
- The Temescal Wash Survey Area was partially surveyed in past years as the "Temescal Wash Outlier" and the "Old Road Outlier." An ROW expansion in 2012 brought much more habitat into the survey area along Temescal Wash. This brought those two patches into an essentially contiguous stretch of habitat, done as one survey morning. Temescal Wash is a named USGS mapped intermittent blueline stream that now appears to have perennial flow, presumably due to urban runoff. Temescal Wash itself contains quality cottonwood-willow riparian forest. The old road, which is not a mapped blueline, is now located at the south end of this survey area, and outside of Temescal Wash proper. It formerly contained riparian scrub of willows and Mule Fat. It has vet to fully recover from habitat destruction conducted by some unknown party in June 2010, and is now very marginal habitat with no surface water or saturated soil noted in 2012. This survey area occurs on lands mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (see Appendix A, Figures 2e-f and 3b). It is north and east of Temescal Canyon Road, in both directions from its intersection with El Hermano Road. The approximate north end of survey area is at 456827E, 3735936N and the south end is at 458020E, 3734720N.

In accordance with the currently accepted survey protocol for the Least Bell's Vireo (USFWS 2001), each site was surveyed eight times by AMEC Earth and Environmental (AMEC) biologists. The LBV protocol requires surveys to be conducted at least 10 days apart from 10 April to 31 July. The SWF protocol requires five surveys, and that the first survey be performed from 15 May to 31 May, the next two surveys from 1 June to 24 June, and the final two surveys between 25 June and 17 July (Sogge et al. 2010). The SWF surveys were performed concurrently with LBV surveys. Suitable habitat for the Western Yellow-billed Cuckoo (WYBC) was present only in the Temescal Canyon survey area. Surveys were conducted using the most recent version of the protocol available (Halterman, et al 2011). This protocol requires one survey in each of the following four periods: mid-late June, early-mid July, mid-late July, and early-mid August. The first two surveys were conducted concurrent with LBV and SWF surveys. Surveys consisted of slowly moving through the habitat while listening for the songs and calls of the target species. During the SWF and WYBC surveys, recordings of their vocalizations were broadcast as required by protocol. All bird species detected during the surveys were recorded in field notes.



To cover all of the riparian patches, each full survey "visit" was done on three person days. Surveys were performed by Chet McGaugh (federal Endangered Species Permit TE836517-6), Stephen J. Myers (TE804203-9), and John F. Green (TE054011-5). Table 1 summarizes the surveys. The survey areas are illustrated on Maps 2A through 2G (aerial photos) and 3A through 3B (USFWS required topographic maps).



Table 1.
Least Bell's Vireo and Southwestern Willow Flycatcher Survey Data

Date	Observer	Time (PST)	Temp. (°F)	Wind (mph)	Sky (% cover)							
Southeast Survey: Lake Street Mulefat & Phase I patches (for Phase I report see AMEC 2012)												
10 April 2012	Stephen J. Myers	0620-1045	55-73	0-6	0							
20 April 2012	Chet McGaugh	0520-1000	56	0-3	0							
3 May 2012	Chet McGaugh	0605-1045	58	-	100							
15 May 2012†	John F. Green	0605-0850	-	-	0							
4 June 2012†	Chet McGaugh	0510-0950	61-76	0-4	100-clearing							
14 June 2012†	Chet McGaugh	0525-0950	54-82	0-3	100							
28 June 2012†	John F. Green	0545-0810	63-79	0-3	0							
9 July 2012†	Stephen J. Myers	0445-0945	66-93	0-3	0							
Northwest Surve	Northwest Survey (Horsethief, De Palma, Indian Truck Trail, Yard, El Hermano, Mayhew, & Basin)											
10 April 2012	Chet McGaugh	0600-1030	55-73	0-7	0							
20 April 2012	Stephen J. Myers	0540-1000	59-90	0-5	0							
1 May 2012	Chet McGaugh	0505-1045	59-63	0-6	100							
15 May 2012†	Stephen J. Myers	0510-0955	57-75	0-4	0							
1-2 June 2012†	John F. Green	0815-1000 0750-0920	- 66-73	- 1-3	- 99-0							
13 June 2012†	John F. Green	0625-0935	62-75	0-3	50-0							
26 June 2012†	Chet McGaugh	0450-1000	56-77	0-5	0							
6 July 2012†	Chet McGaugh	0550-1000	67-73	0-7	100-0							
	Temescal	Wash Survey	(including Old	Road)								
12 April 2012	John F. Green	0805-1015	63-71	1-1	35-45							
24 April 2012	Chet McGaugh	0515-0945	56-60	0-2	-							
4 May 2012	Stephen J. Myers	0605-0930	58-78	0-5	0							
15 May 2012†	Chet McGaugh	0525-0950	47-75	0	0							
4 June 2012†	Stephen J. Myers	0525-0905	53-74	0-4	100-20							
14 June 2012†	John F. Green	0620-0840	60-64	1-4	100							
25 June 2012*	Stephen J. Myers	0445-0855	60-74	0-3	0							
5 July 2012*	John F. Green	0535-0845	63-68	1-3	100-80							
19 July 2012	John F. Green	0650-0930	76-87	1-7	10-5							
2 August 2012	Stephen J. Myers	0540-0845	67-80	0-3	0							

[†] LBV and SWF surveys conducted concurrently. First three surveys were for LBV only.

^{*} LBV, SWF, and WYBC surveys conducted concurrently. Last two surveys were for WYBC only.



3.0 RESULTS

3.1 Habitat Description

The five survey areas are all vegetated with plants typical of lowland riparian areas in Southern California, including willows (*Salix* spp.), Mule Fat (*Baccharis salicifolia*), Fremont Cottonwoods (*Populus fremontii*), and Western Sycamore (*Platanus racemosa*). Information specific to each path is included in Section 2.1.

3.2 Survey Results

One-hundred-six bird species were detected during the 2012 Phase II riparian birds focused surveys. Among the most frequently detected species were the following birds that are typical of lowland riparian habitats in southern California: Mourning Dove (*Zenaida macroura*), Black-chinned Hummingbird (*Archilochus alexandri*), Nuttall's Woodpecker (*Picoides nuttallii*), Black Phoebe (*Sayornis nigricans*), Bushtit (*Psaltriparus minimus*), House Wren (*Troglodytes aedon*), Yellow Warbler (*Setophaga petechia*), Common Yellowthroat (*Geothlypis trichas*), Song Sparrow (*Melospiza melodia*), and Lesser Goldfinch (*Spinus psaltria*).

3.2.1 Least Bell's Vireo

No Least Bell's Vireos were detected at any of the survey areas.

3.2.2 Southwestern Willow Flycatcher

No Southwestern Willow Flycatchers or any other subspecies of Willow Flycatcher were detected at any of the survey areas.

3.2.3 Western Yellow-billed Cuckoo

No Western Yellow-billed Cuckoos were detected at any of the survey areas.



4.0 LITERATURE CITED

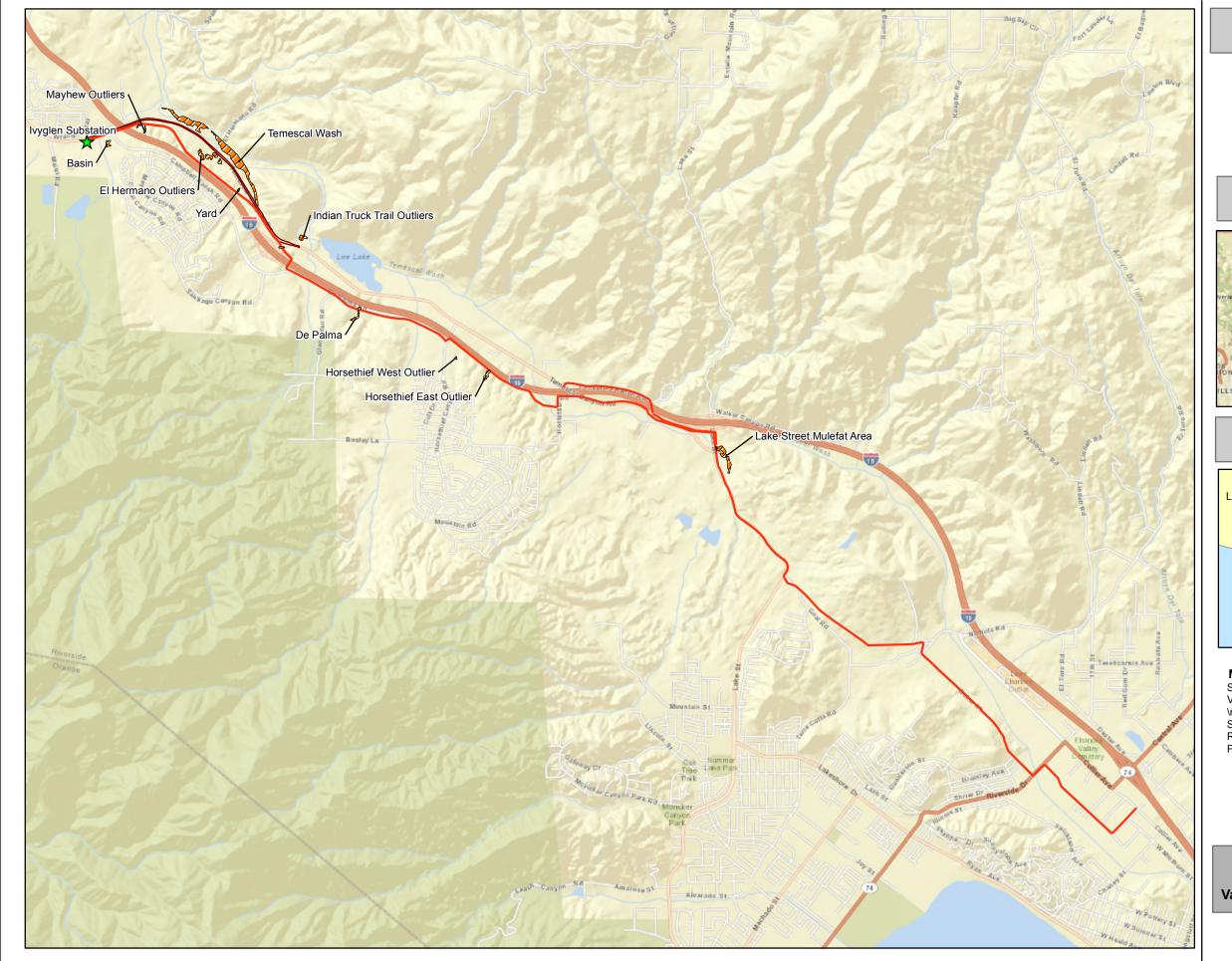
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APPENDIX A FIGURES



Legend



Survey Area

Phase II Transmission Line Route

Possible Temescal UG Route

Vicinity Map



Regional Map



Map Notes-Source:S:\active projects\SCE Projects\ Valley-Ivyglen 2012 Phase II 12-554-00499\graphics \maps

Survey: trees(amec2012)
Route:line12 & possible temescel UG route(SCE 2011)
Projection: NAD 83 state plane CA 406ft

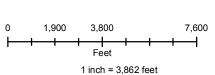
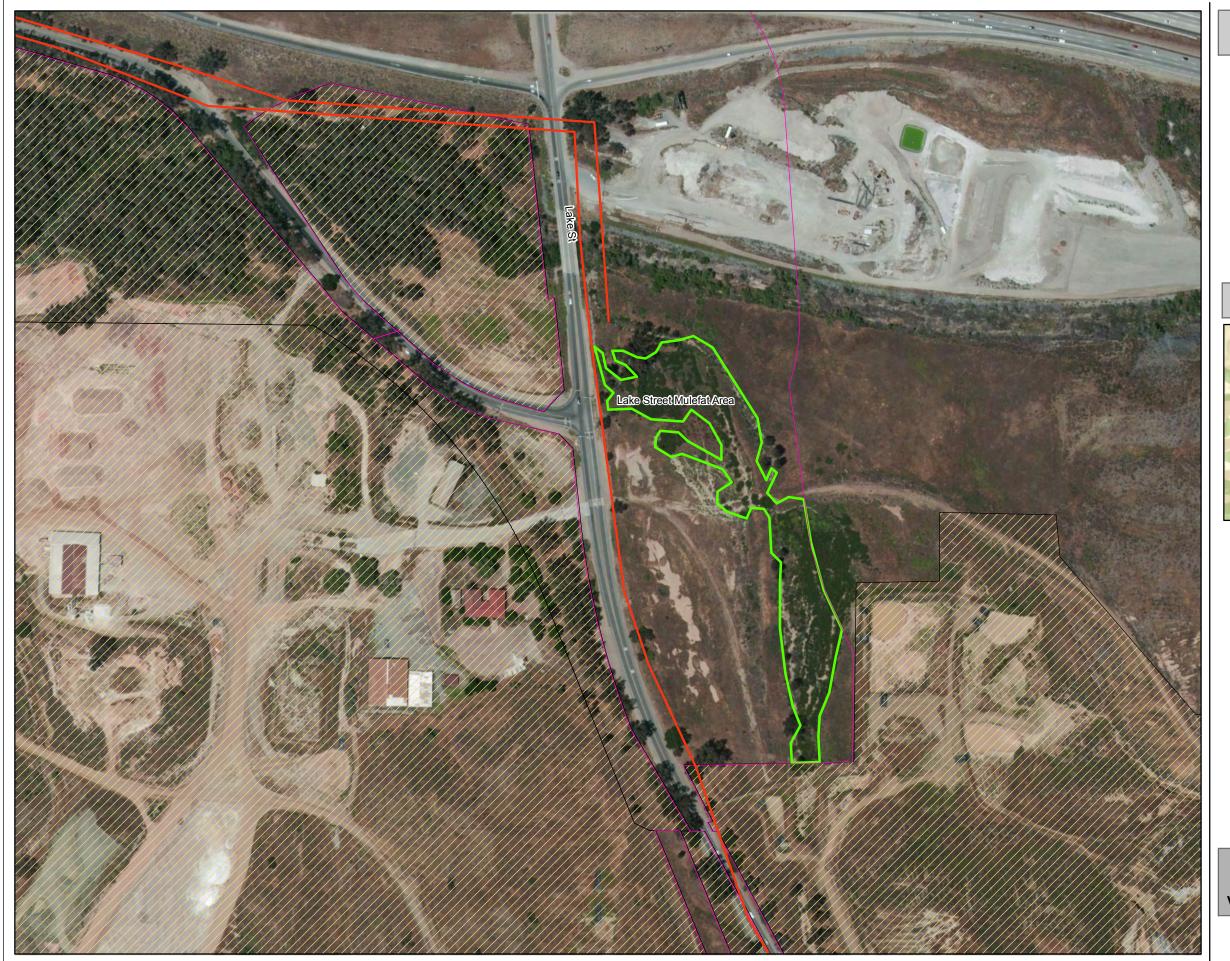


Figure 1 2012 Riparian Bird Focused Surveys Valley-Ivyglen Transmission Line Project: Phase II





Possible Temescal UG Route

Phase II Transmission Line Route

2012 Study Area

Survey Area

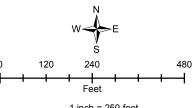
Castle & Cooke Properties

Locator Map



Map Notes-

Source:S:\active projects\SCE Projects \Valley-lvyglen 2012 Phase II 12-554-00499 \graphics\maps Survey: trees(amec2012) Route: line12 & UG Route(SCE 2011) Projection: NAD 83 state plane CA 406ft



1 inch = 250 feet

Figure 2 A
2012 Riparian Bird Focused Surveys
Valley-lvyglen Transmission Line Project: Phase II





Possible Temescal UG Route

Phase II Transmission Line Route

2012 Study Area

Survey Area

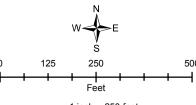
Castle & Cooke Properties

Locator Map



Map Notes-

Source:S:\active projects\SCE Projects \Valley-lvyglen 2012 Phase II 12-554-00499 \graphics\maps Survey: trees(amec2012) Route: line12 & UG Route(SCE 2011) Projection: NAD 83 state plane CA 406ft



1 inch = 250 feet

Figure 2 B 2012 Riparian Bird Focused Surveys Valley-Ivyglen Transmission Line Project: Phase II





Possible Temescal UG Route

Phase II Transmission Line Route

2012 Study Area

Survey Area

Castle & Cooke Properties

Locator Map



Map Notes-

Source:S:\active projects\SCE Projects \Valley-lvyglen 2012 Phase II 12-554-00499 \graphics\maps Survey: trees(amec2012) Route: line12 & UG Route(SCE 2011) Projection: NAD 83 state plane CA 406ft

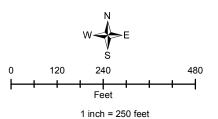


Figure 2 C 2012 Riparian Bird Focused Surveys Valley-lvyglen Transmission Line Project: Phase II





Possible Temescal UG Route

Phase II Transmission Line Route

2012 Study Area

Survey Area

Castle & Cooke Properties

Locator Map



Map Notes-

Source:S:\active projects\SCE Projects \Valley-Ivyglen 2012 Phase II 12-554-00499 \graphics\maps Survey: trees(amec2012) Route: line12 & UG Route(SCE 2011) Projection: NAD 83 state plane CA 406ft

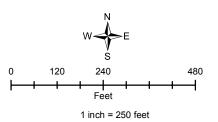


Figure 2 D
2012 Riparian Bird Focused Surveys
Valley-lvyglen Transmission Line Project: Phase II





- Western Yellow-billed Cuckoo Broadcast Points
- —— Possible Temescal UG Route
- Phase II Transmission Line Route
- 2012 Study Area
- Survey Area
- Castle & Cooke Properties

Locator Map



Map Notes-

Source:S:\active projects\SCE Projects
\Valley-lvyglen 2012 Phase II 12-554-00499
\graphics\maps
Survey: trees(amec2012)
Route: line12 & UG Route(SCE 2011)
Projection: NAD 83 state plane CA 406ft

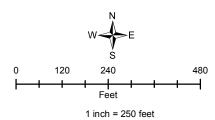


Figure 2 E 2012 Riparian Bird Focused Surveys Valley-Ivyglen Transmission Line Project: Phase II





- Western Yellow-billed Cuckoo Broadcast Points
- Possible Temescal UG Route
- Phase II Transmission Line Route
- 2012 Study Area
- Survey Area
- Castle & Cooke Properties

Locator Map



Map Notes-

Source:S:\active projects\SCE Projects \Valley-Ivyglen 2012 Phase II 12-554-00499 \graphics\maps Survey: trees(amec2012) Route: line12 & UG Route(SCE 2011) Projection: NAD 83 state plane CA 406ft

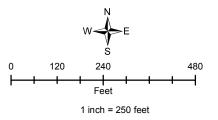
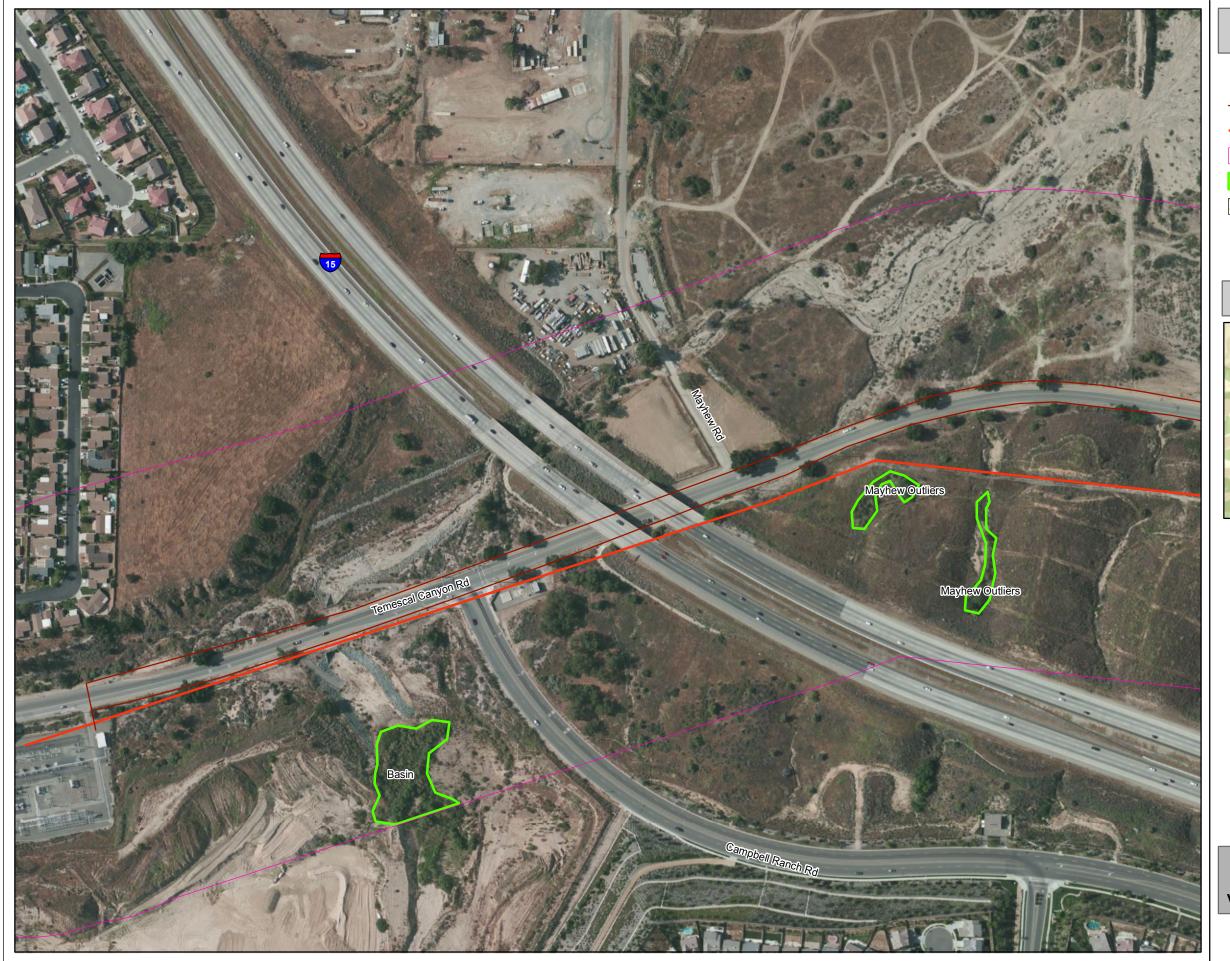


Figure 2 F 2012 Riparian Bird Focused Surveys Valley-Ivyglen Transmission Line Project: Phase II





- Western Yellow-billed Cuckoo Broadcast Points
- Possible Temescal UG Route
- Phase II Transmission Line Route
- 2012 Study Area
- Survey Area
- Castle & Cooke Properties

Locator Map



Map Notes-

Source:S:\active projects\SCE Projects \Valley-Ivyglen 2012 Phase II 12-554-00499 \graphics\maps Survey: trees(amec2012) Route: line12 & UG Route(SCE 2011) Projection: NAD 83 state plane CA 406ft

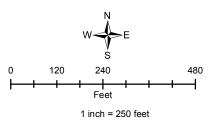
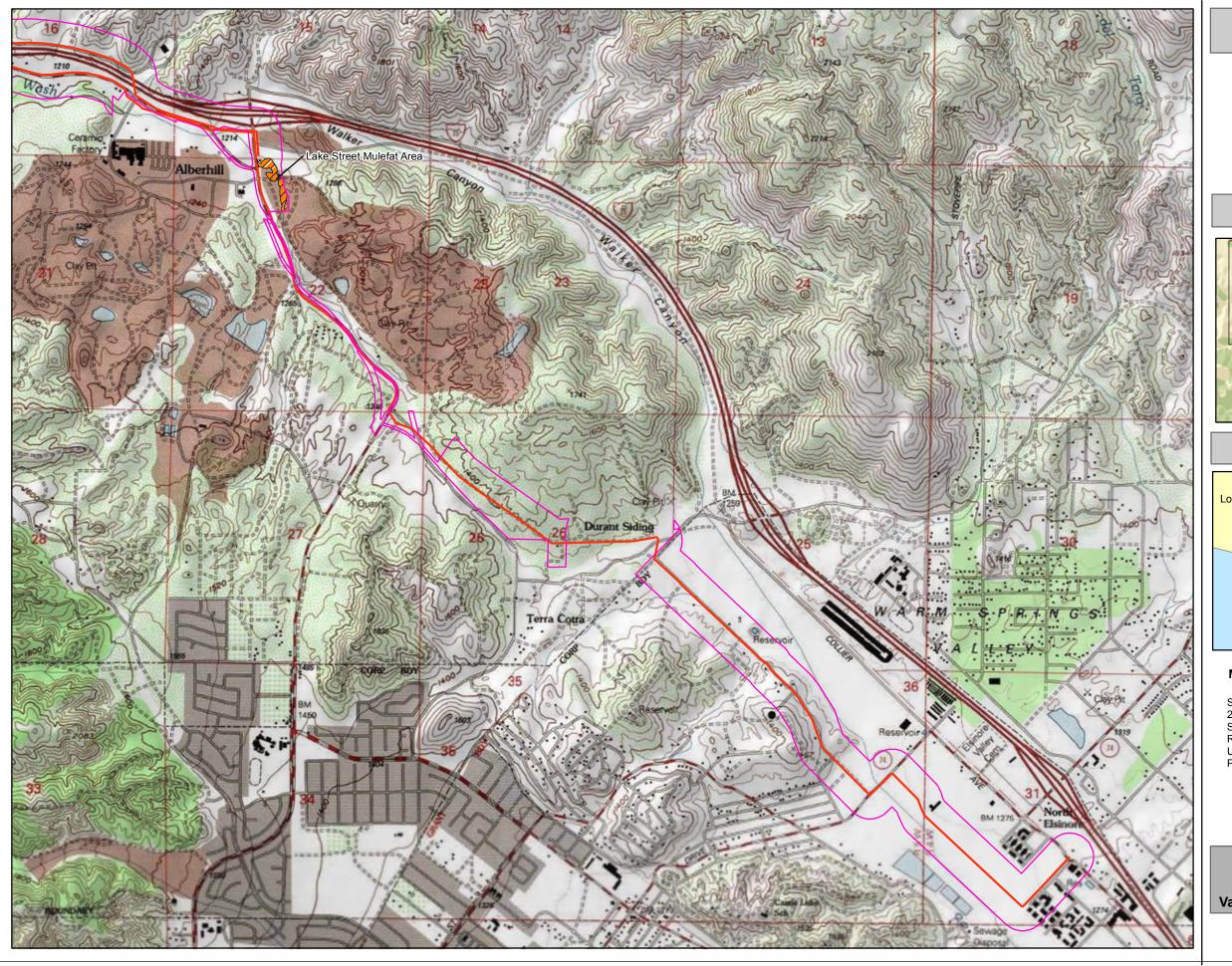


Figure 2 G 2012 Riparian Bird Focused Surveys Valley-Ivyglen Transmission Line Project: Phase II





2012 Study Area

Survey Area

— Phase II Transmission Line Route

Locator Map



Regional Map



Map Notes-

Source:S:\active projects\SCE Projects\Valley-Ivyglen 2012 Phase II 12-554-00499\graphics\maps Survey: trees(amec2012) Route: line12 & possible temescal UG route(SCE 2011) USGS: Topo 7.5' Romoland & Lake Elsinore quad Projection: NAD 83 state plane CA 406ft

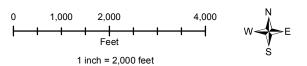
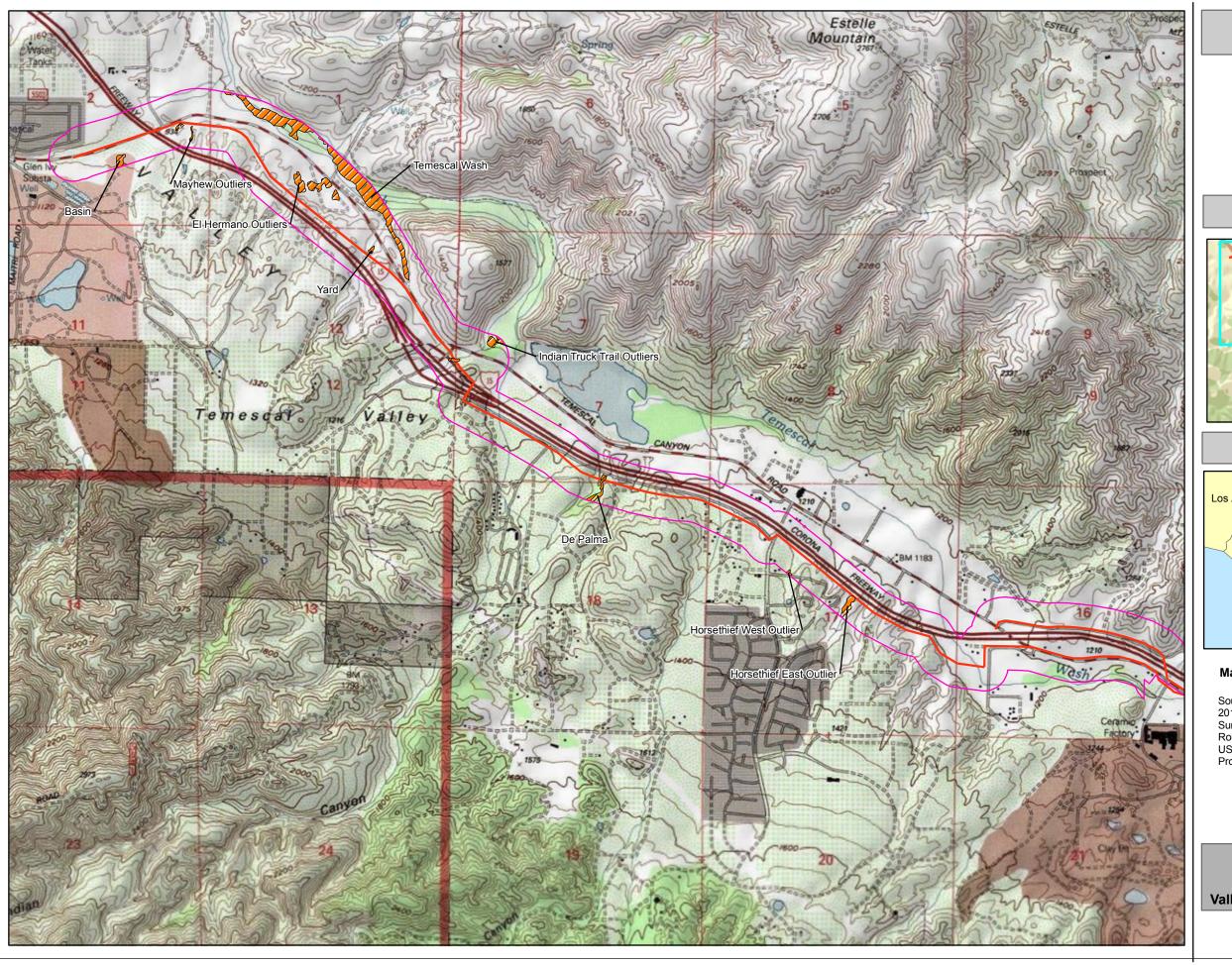


Figure 3A
Survey Areas
2012 Riparian Bird Focused Surveys
Valley-lvyglen Transmission Line Project: Phase II





2012 Study Area

Survey Area

— Phase II Transmission Line Route

Locator Map



Regional Map



Map Notes-

Source:S:\active projects\SCE Projects\Valley-Ivyglen 2012 Phase II 12-554-00499\graphics\maps Survey: trees(amec2012) Route: line12 & possible temescal UG route(SCE 2011) USGS: Topo 7.5' Romoland & Lake Elsinore quad Projection: NAD 83 state plane CA 406ft

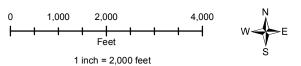


Figure 3B
Survey Areas
2012 Riparian Bird Focused Surveys
Valley-lvyglen Transmission Line Project: Phase II



2012 Focused Surveys for Riparian Birds Valley-Ivyglen Transmission Line Project, Phase II AMEC Project No. 1255400499 August 2012



APPENDIX B BIRD SPECIES LIST



BIRD SPECIES LIST

This list reports only bird species which were observed along the Phase I project alignment during 2012 focused riparian bird surveys. Nomenclature and taxonomy for birds observed on site follows the American Ornithologists' Union Checklist (1998) and its supplements.

SYMBOLS AND ABBREVIATIONS:

- sp. Identified only to genus; species unknown (plural = spp.)
 - * Non-native species
- ** Sensitive species (State or Federally Listed as Threatened or Endangered, State Fully Protected, or a CDFG Species of Special Concern / Watch List Species, or a MSHCP Covered Species)

BIRDS AVES
Swans, Geese, and Ducks Anatidae

Wood Duck Aix sponsa
Gadwall Anas strepera
Mallard Anas platyrhynchos
Ruddy Duck Oxyura jamaicensis

New World Quail Odontophoridae

California Quail Callipepla californica

Partridges, Grouse, Turkeys & Old World Quail Phasianidae

*Ring-necked Pheasant Phasianus colchicus

Cormorants Phalacrocoracidae

**Double-crested Cormorant Phalacrocorax auritus

Bitterns and Herons Ardeidae

**Great Blue Heron Ardea herodias
Great Egret Ardea alba
Snowy Egret Egretta thula
Green Heron Butorides virescens

**Black-crowned Night-Heron Nycticorax nycticorax

American Vultures Cathartidae

**Turkey Vulture Cathartes aura

Hawks, Kites, Eagles Accipitridae

**White-tailed Kite Elanus leucurus

**Bald Eagle Haliaeetus leucocephalus

**Northern Harrier

**Cooper's Hawk

Red-shouldered Hawk

**Swainson's Hawk

Red-tailed Hawk

**Buteo swainsoni

Buteo jamaicensis

Falcons Falconidae

American Kestrel Falco sparverius

2012 Focused Surveys for Riparian Birds Valley-lvyglen Transmission Line Project, Phase II AMEC Project No. 1255400499 August 2012



Rails, Gallinules, and Coots

Sora

Plovers and Lapwings

Killdeer

Stilts and Avocets

American Avocet

Gulls, Terns, and Skimmers

Bonaparte's Gull California Gull Ring-billed Gull Caspian Tern

Pigeons and Doves

*Rock Pigeon Band-tailed Pigeon *Eurasian Collared-Dove Mourning Dove

Cuckoos, Roadrunners, Allies

Greater Roadrunner

Barn Owls

Barn Owl

Swifts

**Vaux's Swift White-throated Swift

Hummingbirds

Black-chinned Hummingbird Anna's Hummingbird Rufous/Allen's Hummingbird

Woodpeckers and Allies

Acorn Woodpecker Nuttall's Woodpecker **Downy Woodpecker Northern Flicker

Flycatchers

**Olive-sided Flycatcher Black Phoebe Say's Phoebe Ash-throated Flycatcher Cassin's Kingbird Western Kingbird

Vireos

Hutton's Vireo Warbling Vireo

Rallidae

Porzana carolina

Charadriidae

Charadrius vociferus

Recurvirostridae

Recurvirostra americana

Laridae

Chroicocephalus philadelphia Larus californicus Larus delawarensis Hydroprogne caspia

Columbidae

Columba livia Patagioenas fasciata Streptopelia decaocto Zenaida macroura

Cuculidae

Geococcyx californianus

Tytonidae

Tyto alba

Apodidae

Chaetura vauxi Aeronautes saxatalis

Trochilidae

Archilochus alexandri Calypte anna Selasphorus sp.

Picidae

Melanerpes formicivorus Picoides nuttallii Picoides pubescens Colaptes auratus

Tyrannidae

Contopus cooperi Sayornis nigricans Sayornis saya Myiarchus cinerascens Tyrannus vociferus Tyrannus verticalis

Vireonidae

Vireo huttoni Vireo gilvus 2012 Focused Surveys for Riparian Birds Valley-Ivyglen Transmission Line Project, Phase II AMEC Project No. 1255400499 August 2012



Jays, Magpies and Crows

Western Scrub-Jay American Crow Common Raven

Larks

**Horned Lark

Swallows

Violet-green Swallow **Tree Swallow Northern Rough-winged Swallow Cliff Swallow Barn Swallow

Chickadees and Titmice

Mountain Chickadee Oak Titmouse

Long-tailed Tits and Bushtits

Bushtit

Wrens

Rock Wren House Wren Bewick's Wren

Sylviid Warblers

Wrentit

Thrushes

Hermit Thrush

Mockingbirds, Thrashers, and Allies

Northern Mockingbird California Thrasher

Starlings and Allies

*European Starling

Wagtails and Pipits

American Pipit

Silky-flycatchers

Phainopepla

Wood-Warblers

Orange-crowned Warbler **Nashville Warbler **MacGillivray's Warbler Common Yellowthroat **Yellow Warbler Yellow-rumped Warbler

**Wilson's Warbler

**Yellow-breasted Chat

Corvidae

Aphelocoma californica Corvus brachyrhynchos Corvus corax

Alaudidae

Eremophila alpestris

Hirundinidae

Tachycineta thalassina Tachycineta bicolor Stelgidopteryx serripennis Petrochelidon pyrrhonota Hirundo rustica

Paridae

Poecile gambeli Baeolophus inornatus

Aegithalidae

Psaltriparus minimus

Troglodytidae

Salpinctes obsoletus Troglodytes aedon Thryomanes bewickii

Sylviidae

Chamaea fasciata

Turdidae

Catharus guttatus

Mimidae

Mimus polyglottos Toxostoma redivivum

Sturnidae

Sturnus vulgaris

Motacillidae

Anthus rubescens

Ptilogonatidae

Phainopepla nitens

Parulidae

Oreothlypis celata Oreothlypis ruficapilla Geothlypis tolmiei Geothlypis trichas Setophaga petechia Setophaga coronata Cardellina pusilla Icteria virens

2012 Focused Surveys for Riparian Birds Valley-lvyglen Transmission Line Project, Phase II AMEC Project No. 1255400499 August 2012



Emberizines

Spotted Towhee

**Southern California Rufous-crowned Sparrow

California Towhee Lark Sparrow

**Bell's Sage Sparrow Savannah Sparrow Song Sparrow **Lincoln's Sparrow White-crowned Sparrow

Cardinals and Allies

Western Tanager

Black-headed Grosbeak

Blue Grosbeak Lazuli Bunting

Blackbirds and Allies

Red-winged Blackbird Western Meadowlark Brewer's Blackbird Great-tailed Grackle Brown-headed Cowbird

Hooded Oriole Bullock's Oriole

Finches and Allies

Purple Finch House Finch Lesser Goldfinch American Goldfinch

Old World Sparrows

*House Sparrow

Emberizidae

Pipilo maculatus

Aimophila ruficeps canescens

Melozone crissalis
Chondestes grammacus
Artemisiospiza belli belli
Passerculus sandwichensis

Melospiza melodia Melospiza lincolnii Zonotrichia leucophrys

Cardinalidae

Piranga ludoviciana

Pheucticus melanocephalus

Guiraca caerulea Passerina amoena

Icteridae

Agelaius phoeniceus Sturnella neglecta Euphagus cyanocephalus Quiscalus mexicanus Molothrus ater Icterus cucullatus Icterus bullockii

Fringillidae

Haemorhous purpureus Haemorhous mexicanus Spinus psaltria Spinus tristis

Passeridae

Passer domesticus

2012 Focused Surveys for Riparian Birds Valley-Ivyglen Transmission Line Project, Phase II AMEC Project No. 1255400499 August 2012



APPENDIX C SURVEY FORMS

-Green Myers McGaugh

Appendix 1. Willow Flycatcher Survey and Detection Form

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/ southwest/es/arizona/) for the most up-to-date version.

			N.	
Willow Elycatcher	(WIEL) Survey	and Detection	Form (ray	ricad April 2010)

Site Name VSGS Quad	/alley-I I Name <u>Al</u> r, Wetland, o	Vyglei Gerhi	1 Phas	e II-L	ake St. M	Jule Fat State CA County Elevation 3	, Riv 80	e151	de (mete	ers)
						ightings attached (as requi	red)?		Yes <u>×</u> No)
Survey Coo	rdinates: Sta Sto sy coordinate					UTM UTM UTM Ses for each survey in communation on back of this			27(See instruction back of this	tions) page.
Survey # Observer(s) (Full Name)	2012 Date (m/d/y) Survey time * see comments	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is individu	an optic aals, pai rvey). l	es for WIFL Dete onal column for do irs, or groups of bi include additional	cumenting rds found on
Survey # 1 Observer(s)	Date 15 May						# Birds	Sex	UTM E	UTM N
Green	Start 060 5 Stop 0850 2.75 Total hrs	4	4	0	N					
Survey # 2 Observer(s) Chet McCangh TE 836517-6	Date 4 Jun Start 05/0 Stop 0950 44 40m Total hrs	Ø	A	0	\wedge	ABrown-headed Cowbird (BHCO)- See Comments	# Birds	Sex	UTM E	UTM N
Survey # 3 Observer(s)	Date 14 Jun					Δ	# Birds	Sex	UTM E	UTM N
McGangh	Start 0525 Stop 0950 44, 25m Total hrs	0	0	0	N	'n				
Survey # 4 Observer(s)	Date 28 Jun						# Birds	Sex	UTM E	UTM N
Green	Start 0545 Stop 08/0 2h 3577	0	0	0	N					
Survey # 5 Observer(s)	Date 9 Jul				,		# Birds	Sex	UTM E	UTM N
Stephen Myers TE804203-9	Start 0445 Stop 0945 Total hrs <u>5</u>	0	0	0	N					
Overall Site Sur Totals do not equal each column. Includer resident adults. Do migrants, nestlings, fledglings.	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate				No <u>×</u>
Be careful not to do individuals. * 19 Total Survey Hrs	Ar	0	8	0	0	If yes, report color combin section on back of form an				

Reporting Individual John F. Green

US Fish and Wildlife Service Permit # TE054011-5

Date Report Completed 27 July 2012

Wildlife Service Permit # TEO 5 4011-5 State Wildlife Agency Permit # SC 7011951 9 Hach neof Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

32 A Natural History Summary and Survey Protocol for the Southwestern Willow Flycatcher

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

		4n F. G	reen		Ph	one# <u>951-3</u>	369-8060
Affiliation	AMEC				F-	mail <u> </u>	F. green @ arnec.com pleted 27 July 2012 (draft)
Site Name	vita surveyed in	<i>len Phase IL-U</i> i previous year?	Vac No	Wetat Ar	<u> P</u> 9 Da	ite Réport Comp	oleted 27 July 2012 (droft)
Did von v	erify that this sit	e name is consiste	ent with that used	Unknown Lin previous ve	earc? Vec	No	_ Not Applicable i
If site nan	ne is different, w	hat name(s) was t	used in the past?	im provious ye			
		ear, did you surve		al area this yea	r? Yes_	No	If no, summarize below. N/A If no, summarize below.
Did you s	urvey the same g	general area durin	g each visit to thi	is site this year	? Yes	No	If no, summarize below.
Managem Name of N	ent Authority for Management Ent	r Survey Area: ity or Owner (e.g	Federal M., Tonto National	Iunicipal/Coun Forest) <i>River</i>	ty / St rside Co	ate Triba	l Private
Length of	area surveyed:	0.35 (km)				
Vegetation	n Characteristics	: Check (only one	e) category that b	est describes th	ne predomir	ant tree/shrub f	oliar layer at this site:
1	Native broadleaf	plants (entirely o	r almost entirely,	> 90% native)	ı		
N	Mixed native and	l exotic plants (m	ostly native, 50 -	90% native)			
N	Mixed native and	l exotic plants (m	ostly exotic, 50 -	90% exotic)			
E	Exotic/introduced	d plants (entirely	or almost entirely	y, > 90% exotic	e)		
Identify th	e 2-3 predomina	nt tree/shrub spec	cies in order of de	ominance. Use	scientific 1	names. Bacchi	eris salicifalia, Salix
Average h	eight of canopy	(Do not include a	range):	3		(meters)	
WIFL dete	ections; 2) sketch	or aerial photo s	howing site locat	ion, patch shap	e, survey ro	oute, location of	g survey site and location of any detected WIFLs or their abitat features in Comments.
		nd end coordinate I sheets if necessa		if changed amo	ong surveys	, supplemental	visits to sites, unique habitat
*Swye	y times s. Times	include Ll are in	ne full mon standard	ming of	survey	rs, includion	ng visits to other
•							
4 = Se	en duriv	ng survey	day				
Territory S	Summary Table.	Provide the follo	wing information	n for each verif	ied territor	y at your site.	
Territory	All Dates	UTM E	UTM N	Pair	Nest		on of How You Confirmed
Number	Detected			Confirmed? Y or N	Found? Y or N	(e.g., vocaliz	ory and Breeding Status zation type, pair interactions, ag attempts, behavior)
	ü						
A ++0 a - a - a - a - a - a - a - a - a - a	itional shoots if			<u> </u>			

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/ southwest/es/arizona/) for the most up-to-date version.

		Willow	Flycatel	her (WIF)	L) Survey an	d Detection Form (revised	i April	2010)		
Site Name USGS Quad	lalley-I I Name Al	vyglei berhi	1, Phas	e II-H	forsethie	$\frac{f E_{as} t_{State} CA}{Elevation}$ Count	y <u>Riv</u>	8131	de (mete	ers)
Creek, Rive	r, Wetland,	or Lake N	lame <u>//</u>	nnan	ne d					
		_				ightings attached (as requ			Yes <u>×</u> No	
Survey Coo	rdinates: Sta	art: E 40	0 3 + 3 0 2 0 2	7	N 3731	808 UTM 778 UTM	Datum <u>.</u>	NADA	See instruc	tions)
If surve	Sto y coordinate	op: E_4	<u>ゅつさつ</u> d betwee	n visits, er	N 3 7 31 2 iter coordinate	es for each survey in comm	Zone _ nents se	11 ction o	 on back of this	page.
						nation on back of this				r
Survey# Observer(s) (Full Name)	2012 Date (m/d/y) Survey time * see Comments	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	l	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is a	an optio ials, pai rvey). I	es for WIFL Dete nal column for do rs, or groups of bi nclude additional	cumenting rds found on
Survey # 1 Observer(s)	Date 15 May					A Brown-headed Cowbird	# Birds	Sex	UTM E	UTM N
Stephen J. Myers	Start 0510		1	a-	./	(BHCO)			•	
'	Stop 0755	4	-		\wedge	Conces				
7E 804203-9	Stop 0955 4.75 Total hrs					see comments				
Survey # 2	Date 1-2 Jun						# Birds	Sex	UTM E	UTM N
Observer(s)	3 815 Start 0 750			_		*				
Green		a	1	0	^/	BHCO		<u> </u>		
	Stop 9920	20			/ V					
	Total hrs 25									
Survey # 3 Observer(s)	Date 13 Jun						# Birds	Sex	UTM E	UTM N
Green	Start 0625	0-			Λ/					
	Stop 0935	-	1	1	/ V					
	Total hrs									
Survey # 4				 			# Birds	Sex	UTM E	UTM N
Observer(s)	Date 26 Jun									
McGaugh TE	Start 0450		9	10	I ∧/					
TE	Stop 1000	ET	(1)		'		-			
836517-6	Total hrs_									
Survey # 5	Date & Jul						# Birds	Sex	UTM E	UTM N
Observer(s) McGaugh	Start 0 5 5 0			12	/					
1.12 Goldyn	Stop 1000	A	0	10						
	Ah 10 m Total hrs		,							
0 11.0% 0										
Overall Site Sur Totals do not equal	the sum of	Total	Total	Total	Total					
each column. Include resident adults. Do		Adult Residents	Pairs	Territories	Nests	Were any Willow Flycato	hers co	lor-ba	nded? Yes	No ★
migrants, nestlings, fledglings.	and									
Be careful not to do	uble court		_			If yes, report color combi section on back of form a				
individuals.		4	-0		1-0				- · · · 5 ·	
Total Survey Hrs	19.5									

Date Report Completed 27 July Reporting Individual John US Fish and Wildlife Service Permit # TE054011-5 State Wildlife Agency Permit # Sc 2001991 attachment ~ all Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records. SURVEYORS Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting Affiliation	g Individual <u>Ja</u> n AMEC	ohn F. G	reen		PI	none # <u>951 - 3</u>	369-8060
Site Nam	e Walley-Ivya	glen, Phase II.	- Horesthief	Firt	E	-mail john.	F. green @ amec.com pleted 27 July 2012 (drost)
was inis	sire surveyed in	a previous vear)	Vac Na~	I Im Iron commen			
Did you	verify that this si	ite name is consist	tent with that use	ed in previous v	ears? Yes	No	Not Applicable
II SILC Hai	ne is unferent, v	what hame(s) was	used in the past?	?			
If site wa	s surveyed last y	year, did you surve	ey the same gene	eral area this ye	ar? Yes	No	If no, summarize below. N/A If no, summarize below.
Dia you s	survey the same	general area durin	ng each visit to th	his site this year	r? Yes	No	If no, summarize below.
Managen Name of	nent Authority fo Management En	or Survey Area: itity or Owner (e.g	Federal Mg., Tonto Nationa	Municipal/Cour al Forest) <u> </u>			Private V
Length of	area surveyed:	0.15 (km	n)				
Vegetatio	n Characteristic	s: Check (only on	e) category that l	best describes t	he predomi	nant tree/shrub f	oliar layer at this site:
· V	Native broadlead	f plants (entirely o	or almost entirely	, > 90% native)		
	Mixed native an	d exotic plants (m	ostly native, 50	- 90% native)			
	Mixed native and	d exotic plants (m	ostly exotic, 50 -	- 90% exotic)			
]	Exotic/introduce	ed plants (entirely	or almost entirel	y, > 90% exoti	c)		
Identify th	ne 2-3 predomina	ant tree/shrub spec	cies in order of d Bacch	lominance. Use	e scientific	names. Populus	s Fremantii, Salix spp.
				-/			
Average	cigin of canopy	(Do not include a	i range):			(meters)	
nests; 3) p Comments	hotos of the inter	n or aerial photo's rior of the patch, e	exterior of the pat	tion, patch shap tch, and overall if changed amo	oe, survey ro site. Descri	oute, location of ibe any unique h	g survey site and location of any detected WIFLs or their abitat features in Comments. visits to sites, unique habitat mes are in standar
		survey da				7	
-							
Territory S	Summary Table.	Provide the follo	owing information	n for each verit	fied territory	y at your site.	
Territory	All Dates	UTM E	UTM N	Pair	Nest	Descriptio	n of How You Confirmed
Number	Detected			Confirmed? Y or N	Found? Y or N	Territor (e.g., vocaliz	ry and Breeding Status ation type, pair interactions, g attempts, behavior)
artach add	itional sheets if	nacaccomi					

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/ southwes

west/es/arizon	a/) for the	most up	-to-date	e version			,,,,	.0 010	(ELECTION TO TO	<u> </u>
		Willow	Flycatel	her (WIF)	L) Survey and	d Detection Form (revised	l April	2010)	I	
Site Name	lalley-I	Lvyalei	1. Phas	e II-H	arsethief	West State CA Country	Riv	12/51	de	
USGS Quad	l Name A	ber hi	ĺ.			West State CA Count Elevation 40	Q		(mete	ers)
	er, Wetland, of USGS m					ightings attached (as requi	red)?		Yes'× No)
Survey Coo	rdinates: St	art: E 4/	60467	<u>_</u>	N 3737	884 HTM	Dotum	NAD:		
541109 000	St.	op: E 4	6947	1	N 3732	884 UTM 851 UTM es for each survey in comm	Zone _	11	(See msirae)	110115)
If surve	ey coordinate	es change ** *	d betwee Fill in a	n visits, er dditiona l	iter coordinate I site inforn	es for each survey in comm nation on back of this	ents se <i>nage</i>	ction (**	on back of this	page.
Survey # Observer(s) (Full Name)	2012 Date (m/d/y) Survey time * see Comments	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If	GPS Co (this is a individu	oordinat an optic aals, pai	es for WIFL Deter onal column for do irs, or groups of bi (nclude additional	cumenting rds found on
Survey # 1 Observer(s)	Date 15 May					A Brown-headed Cowbird	# Birds	Sex	UTM E	UTM N
Stephen J. Myers	Start 0510	2	A	4	$ \hspace{.1cm} \wedge \hspace{.1cm} $	(BHCO)			-	
TE	Stop 0955	-67			/ V	4				
804203-9	4.75 Total hrs				:	see comments				
Survey # 2 Observer(s) G-reen	Date 1-2 Jun 0 815 Start 0 750 Stop 0 9720 Total hrs	8	A	0	<		# Birds	Sex	UTM E	UTM N
Survey # 3	Date 13 Jun						# Birds	Sex	UTM E	UTM N
Observer(s) G-reen	Start 0625				Λ./				·	
0	Stop 0935	1-0-	0	-0	/V					
	Total hrs									
Survey # 4	Date 26 Jun						# Birds	Sex	UTM E	UTM N
Observer(s) Chet	2 470				,					
McGaugh TE	Stop /000	12	0	0	N					
836517-6	5h 10m	(1)								
Survey # 5							# Birds	Sex	UTM E	UTM N
Observer(s)	Date & Jul				. 1		# Birds	Sex	OIME	OIMIN
McGaugh	Start 0550	0	A	0	\cap					
	Stop 1000		-)							
	Total hrs									
Overall Site Sur Totals do not equal each column. Include resident adults. Do migrants, nestlings, fledglings.	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate				_ No <u>×</u> _
Be careful not to do individuals.		4	8	0	0	If yes, report color combines the section on back of form and the section on back of form and the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of th				
Total Survey Hrs	44.3									

Date Report Completed 27 July 2012 draft Green Reporting Individual John US Fish and Wildlife Service Permit # TE054011-5 State Wildlife Agency Permit # SC 701951 attachaest Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records. surveyors Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting	g Individual <u>Ja</u> on AMEC	ohn F. C	reen		PI	none # <u>951</u>	369-8060 F. green @ arnec.ca pleted <u>27 July 2012 (</u> draf	
Site Nam	ne Valley-Ivy	glen, Phase II a previous year?	- Horsethie	f West	E	ate Report Com	t. green @ arnec.com	اراز دراز
Was this	site surveyed in	a previous year?	YesNo_	Unknown				TJ
Did you	verify that this s	ite name is consis	stent with that use	ed in previous v	ears? Yes	No	Not Applicable	
II bito mai	are is different, t	what name(s) was year, did you surv	used in the past?	•				, ,
Did you s	survey the same	general area duri	ng each visit to the	nis site this year	r? Yes	No No	If no, summarize below. V. If no, summarize below.	/
Managen Name of	nent Authority fo Management En	or Survey Area: atity or Owner (e.	Federal I g., Tonto Nationa				al Private	
Length of	f area surveyed:	0.04 (kr	n)					
Vegetatio	n Characteristic	s: Check (only or	ne) category that l	best describes t	he predomi	nant tree/shrub f	foliar layer at this site:	
	Native broadlea	f plants (entirely	or almost entirely	y, > 90% native)			
	Mixed native an	d exotic plants (n	nostly native, 50	- 90% native)				
]	Mixed native an	d exotic plants (n	nostly exotic, 50	- 90% exotic)				
	Exotic/introduce	ed plants (entirely	or almost entirel	y, > 90% exoti	c)			
Identify th	ne 2-3 predomin	ant tree/shrub spe	ecies in order of d	lominance. Us	e scientific	names. Sali)	x spp., Bacchanis salicifolia	·
		(Do not include a						•
WILL GEG	ections; 2) sketc	n or aeriai photo s	showing site loca	tion, patch shar	e, survey re	oute location of	g survey site and location of any detected WIFLs or their abitat features in Comments.	
Comments	s (such as start a	nd end coordinate	es of survey area	if changed am	ana oumrovio	ov	visits to sites, unique habitat mes are in standa	۷.
		survey da					71 31 00148	30
Т- '4. С								
		Provide the follo	owing informatio	n for each veri	fied territory	at your site.		
Ferritory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Territo (e.g., vocaliz	on of How You Confirmed ry and Breeding Status cation type, pair interactions, g attempts, behavior)	Water
								-
attach addi	itional sheets if	nececcany						-

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

<u>west/es/arizon</u>	a/) for the	most up	-to-date	e version								
		Willow	Flycatel	her (WIF)	L) Survey and	d Detec	ction Form	(revised	l April	2010)		
Site Name	lalley-I	vale	n Phas	e TT - [De Palm	а	State CA	Count	. Riv	215	de	
USGS Quad	1 Name Alb	perhil	1		De Palm ned		_ Elevation	36	5		(me	ters)
Creek, Rive	r, Wetland, o	or Lake N	lame //	nnan	ne A and WIFL si	iabtiva	s attached (ac ream	inad)2		Yes× 1	
						-		_				
Survey Coo	rdinates: Sta	art: E <u>45</u>	7278		N 37359	200		UTM :	Datum <u>.</u>	N/4Ve	47(See instru	ctions)
If surve	y coordinate	es change	d betwee	n visits, er	N <u>3733</u> 4 N <u>37333</u> nter coordinate	es for e	ach survey i	in comm	ents se	ction (on back of th	is page.
		** F	ill in ac	dditional	site inforn	nation	on back	of this	page	**		
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time * see Comments	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	evidenc potentia cowbird Diorhal USFWS coordin		eeding; tock, spp.]). If tact FL	(this is individu	an optic ials, pai	es for WIFL De onal column for d irs, or groups of Include addition	documenting birds found on
Survey # 1 Observer(s)	Date 15 May					AB	own-hea Cowb	ded	# Birds	Sex	UTM E	UTM N
Stephen J. Myers	Start 0510		2	a-	^/		CONG.	ira N			•	
· '	Stop 0955	1	4	1	/V		Corre	<i>-</i>				
TE 804203-9	Stop 0955 4. 75 Total hrs					500	camme	nts				
Survey # 2	Date 1-2 Jun								# Birds	Sex	UTM E	UTM N
Observer(s)	3 815 Start 0 750					į						
Green		a	A	0	^/		·	_	ļ			
	Stop 2920 3.25 Total hrs		-		r V							
0 #2								······································				
Survey # 3 Observer(s)	Date 13 Jun								# Birds	Sex	UTM E	UTM N
Green	Start 0625	12		2	Λ/	_		,				
	Stop 0935	-67	10	-	<i>,</i> Λ							
	Total hrs											
Survey # 4	Date 26 Jun								# Birds	Sex	UTM E	UTM N
Observer(s) Chef	Start 0450			[ļ			
Chet McGaugh TE	Stop 000	12	0	0	N			_				
836517-6	5h 10m Total hrs	(1)	9)						<u> </u>			
, .												
Survey # 5 Observer(s)	Date & Jul				,				# Birds	Sex	UTM E	UTM N
McGaugh	Start 0550		a-	a	\wedge			-				
9	Stop 1000	1	4)	~	, ,							
	Total hrs											
Overall Site Sur	nmary	Total	T-4-1	T-4-1	Total	<u> </u>		***************************************	<u> </u>			
Totals do not equal each column. Includ	le only	Adult	Total Pairs	Total Territories	Nests							
resident adults. Do migrants, nestlings,		Residents				Were	any Willow	Flycate	hers co	lor-ba	nded? Yes_	_ No <u>X</u> _
fledglings.											ne comments	
Be careful not to do individuals.	uble count	A	0	A	A	section	n on back of	f form a	nd repo	rt to U	JSFWŞ.	
Total Survey Hrs	20.5	-										

Reporting Individual John F. Green

US Fish and Wildlife Service Permit # TEO 5 4011-5

State Wildlife Agency. Permit # SC 701951 4 + tachnest - 911

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Sweeper 5

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reportin Affiliation	g Individual <u>J.</u> on <u>AME</u> C	glen, Phase II	-reem		Pl	none # <u>951 -</u>	369-8060 <u>F. green</u> @ arnec, com pleted <u>27 July 2012 (</u> drost)
Did you If site na	verify that this s me is different, v	ite name is consis what name(s) was	tent with that use used in the past?	Unknown ed in previous y De Palma	_ rears? Yes Jutlier, S	No_	Not Applicable
II SILO WA	io oui veveu iasi v	vear, and von surv	eV the same gene	eral area thic wa	0.00	/ NI	If no, summarize below. If no, summarize below.
Managen Name of	nent Authority fo Management En	or Survey Area: atity or Owner (e.	Federal Ng., Tonto Nationa	Municipal/Cour al Forest)	ntyS	tate Trib UnKno	pal Private
Length o	f area surveyed:	<u>0.2 (kr</u>	n)				
Vegetatio	on Characteristic	s: Check (only on	e) category that l	best describes t	he predomi	nant tree/shrub	foliar layer at this site:
	Native broadlea	f plants (entirely o	or almost entirely	v, > 90% native)		
***************************************	Mixed native an	d exotic plants (n	nostly native, 50	- 90% native)			
	Mixed native an	d exotic plants (n	nostly exotic, 50	- 90% exotic)			
	Exotic/introduce	ed plants (entirely	or almost entirel	y, > 90% exoti	c)		
Identify the	he 2-3 predomin	ant tree/shrub spe	cies in order of d	lominance. Us	e scientific	names. Salik Que	spp., Baccharis salicifor
		(Do not include a					
WILL GE	ections; 2) sketc	n or aeriai photo s	showing site loca	tion, patch shar	e, survey r	nute location of	ng survey site and location of f any detected WIFLs or their nabitat features in Comments.
Comment	s (such as start a	nd end coordinate	es of survey area	if changed amo	ong surveys	, supplemental	visits to sites, unique habitat mes are in standar
		survey da					
Territory S	Summary Table.	Provide the follo	owing information	n for each verif	fied territor	y at your site.	
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Descriptio Territo (e.g., vocaliz	on of How You Confirmed ory and Breeding Status zation type, pair interactions, ng attempts, behavior)
Attach add	itional sheets if	necessary			L	***************************************	

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

		Willow	Flycatel	her (WIF)	L) Survey an	d Detection Form (revised	l April	2010)		
Site Name Valley-Ivyglen, Phase II - Trail Outlier State CA County Riverside USGS Quad Name Alberhill and Lake Mathews Elevation 345 (meters)										
USGS Ouac	l Name 4/	bechil	1 and	Lake	Mathew	Elevation 24	45 45	(),),	(mete	-rc)
Creek, Rive	r, Wetland, o	or Lake N	√lame_/	nnan	1801				(11701	213)
Is copy	of USGS m	ap marke	ed with si	urvey area	and WIFL s	ightings attached (as requi	ired)?		Yes <u>×</u> N	0
Survey Coo	rdinatas: Cta	E 40	5878	<u></u>	N 3724	226 HTM	D-4	MAD	7	4:\
Survey Coo	rumates. Sta	nn: E. 4	5862	<u> </u>	N 3734	33 7 UTM	Datum <u>i</u> Zone	11	(See instruc	tions)
If surve	y coordinate	s change	d betwee	n visits, er	nter coordinate	226 UTM 337 UTM es for each survey in comm	ents se	ction o	on back of this	page.
		** F	Fill in ac	dditional	l site inforn	nation on back of this	page	**		1 0
						Community (see 11:11:11:11:11:11:11:11:11:11:11:11:11:	GPS Co	ordinat	es for WIFL Dete	ctions
Survey#	2012		Estimate		Nest(s) Found?	Comments (e.g., bird behavior; evidence of pairs or breeding;	(this is	an optio	nal column for do	cumenting
	Date (m/d/y)	Number of Adult	d	Estimated Number of	Y or N	potential threats [livestock,	i		rs, or groups of b nelude additional	
Observer(s) (Full Name)	Survey time	WIFLs	Number of Pairs	Territories		cowbirds, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> found, contact	necessa		noruao adamona	once is it
(run ivanic)	Commenta		0		of nests	USFWS and State WIFL coordinator				
Survey # 1							# Birds	Sex	UTM E	UTM N
Observer(s)	Date 15 May					A Brown-headed Cowbird	# DII 65	Sex		Olwin
Stephen J. Myers	Start 0510		2	1	^/	(BHCO)		\dashv	•	
i i	Stop 0755	4	-		\wedge	(1)1100)				
TE	4.75 Total hrs					see comments				
804203-9	Total hrs									
Survey # 2	Date 1-2 Jun			ļ			# Birds	Sex	UTM E	UTM N
Observer(s)	0815 Start 0750		_							
Green	1	a	1	4	^/					
	Stop 0920	1	2 00		/ V					
	Total hrs 25									
Survey # 3	Date 13 Jun						# Birds	Sex	UTM E	UTM N
Observer(s)										
Green	Start 0625	2		2	Λ/					
	Stop 0935	-0	20	7	, v					
	3h 10m									
Survey # 4							# Birds		TITLE	Y 1773 6 3 Y
Observan(s)	Date 26 Jun						# Dilus	Sex	UTM E	UTM N
Observer(s) CMC+ McGangh TE	Start 0450		_							
THE GRANGE	Stop 1000	2	1	0	/V	-				
921517-1	5h 10m Total hrs	C/	9)							
336517-6	Total hrs									
Survey # 5	Date & Jul						# Birds	Sex	UTM E	UTM N
Observer(s)					_ , /					
McGaugh	Start 0 550 Stop 1000 44 10m		A	4	<i> </i> V					
	Stop 1000	0		J						
	Total hrs									·
Overall Site Sur	mmary —							LI		<u> </u>
Totals do not equal		Total	Total	Total	Total					
each column. Includ resident adults. Do		Adult Residents	Pairs	Territories	Nests	Word ony Willow Flynste	l	1 a 1. a		NT- V
migrants, nestlings,						Were any Willow Flycate	ners co	ior-ba	nued? Yes	NO X
fledglings.						If yes, report color combin	nation(s	s) in th	ne comments	
Be careful not to do	uble count	2	A	0-	2	section on back of form as				
individuals.		0	رب	-0	0					
Total Survey Hrs	10.5									
	dividual J	ahn	F. G	reen		Date Report Completed	27	Jul.	y 2012 (draft)

US Fish and Wildlife Service Permit # TE054011-5

State Wildlife Agency Permit # SC-001951 a + tachqent - all

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Swrveyars

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reportin	g Individual Ja	inn r. G	reen		Ph	one # $951-369-8060$ mail $9.640.4.4.4$ green @ arnec.com ate Report Completed $2734/2012$ (droft) No Not Applicable
AIIIIIauc	on AMEL	lan ol Pr	+ /	" 1 1	E-	mail john. f. green @ amec, com
Was this	cite curveyed in	ren, Phase 11 -	PINGEN TOUCH	K Trail Uy	Hiers Da	ate Réport Completed 27 July 2012 (droit 4)
Did vou	verify that this si	a previous year;	tent with that use	din previous v		No Not Applicable
If site na	me is different, w	hat name(s) was	used in the past?	Till breatons Ar	Bars! 1 cs_	No Not Applicable
If site wa	as surveyed last y	ear, did vou surve	ev the same gener	ral area this yea	ar? Ves	➤ No If no, summarize below.
Dia you s	survey the same g	general area durin	io each visit to th	ic cite this wast	v_{α}	No If we assume 1 1
* Smi	aller survey	area in	previous	VPar 5	: 100_	11 110, Summarize Delow.
Managen	nent Authority fo	r Survey Area:	Federal N	Junicipal/Cour	itv St	tate Tribal Private
Name of	Management En	tity or Ówner (e.ş	g., Tonto Nationa	l Forest)	·y ~-	In Known
	f area surveyed:			· /		
Vegetatio	on Characteristics	: Check (only on	e) category that b	est describes tl	ne predomir	nant tree/shrub foliar layer at this site:
_i/	Native broadleaf	plants (entirely c	or almost entirely,	, > 90% native))	
	Mixed native and	l exotic plants (m	nostly native, 50 -	90% native)		
	Mixed native and	l exotic plants (m	ostly exotic, 50 -	90% exotic)		
			or almost entirely		•	
Identify tl	he 2-3 predomina	nt tree/shrub spec	cies in order of de	ominance. Use	scientific r	names. Salix SPP., Baccharis salicifoli Quercus agrifalia
			a range):	<u>~.</u>		
WIFL det nests; 3) p Comment	tections; 2) sketch shotos of the inter ts (such as start ar	or aerial photo somior of the patch, e	showing site locat exterior of the pate es of survey area i	tion, patch shap tch, and overall	e, survey ro site. Descri	ey area, outlining survey site and location of oute, location of any detected WIFLs or their be any unique habitat features in Comments. supplemental visits to sites, unique habitat patch. Times are in standara
4 50017	during:	survey da	<i>y</i>			
***	Summary Table.	Provide the follo	wing information	n for each verif	ied territors	y at your site.
	All Dates					
Territory		UTM E	UTM N	Pair		Description of How You Confirmed
Ferritory Number	Detected	UTM E		Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)
		UTM E		Confirmed?	Nest Found?	Territory and Breeding Status (e.g., vocalization type, pair interactions,
		UTM E		Confirmed?	Nest Found?	Territory and Breeding Status (e.g., vocalization type, pair interactions,
		UTM E		Confirmed?	Nest Found?	Territory and Breeding Status (e.g., vocalization type, pair interactions,
		UTM E		Confirmed?	Nest Found?	Territory and Breeding Status (e.g., vocalization type, pair interactions,

Attach additional sheets if necessary

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

<u>west/es/arizon</u>	\underline{a} for the	most up	-to-date	eversion						
		Willow	Flycatel	ner (WIFI	L) Survey and	d Detection Form (revised	April	2010)		
Site Name	lalley-I	vyaler	7. Phas	e II-Y	ard	State CA County Elevation 324	Riv	8151	de	
USGS Quad	l Name <u>Lo</u>	nKë N	Talle	WS	1	Elevation 320)		(me	eters)
Creek, Rive Is copy	r, Wetland, of USGS m	or Lake N <i>ap marke</i>	lame <u>i//</u> ed with si	<i>NNAN</i> urvey area	and WIFL si	ightings attached (as requi	red)?		Yes× 1	Vo
								NAD:		
Survey Coo	Ste	op: E 4	577	;; 67	N 3734	1938 UTM I 1904 UTM 2 es for each survey in comm	Zone _	<u> 11</u>	<u>~/(</u> See msuu	ictions)
If surve	y coordinate	s change	d between	n visits, en	ter coordinate	es for each survey in commation on back of this	ents se	ction o	on back of th	is page.
Survey # Observer(s) (Full Name)	2012 Date (m/d/y) Survey time * see Comments	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	GPS Co (this is a individu	ordinat an optio als, pai	es for WIFL De onal column for irs, or groups of (nclude addition	documenting birds found on
Survey # 1 Observer(s)	Date 15 May					△ Brown-headed Cowbird	# Birds	Sex	UTM E	UTM N
Stephen J. Myers	Start 0510		9	9	Λ/	(BHCO)			•	
TE	Stop, 0755	4		7	/ V	.				
804203-9	Stop 0755 4. 75 Total hrs					see comments				
Survey # 2 Observer(s) G-reen	Date 1-2 Jun 2815 Start 2750 Stop 2920 Total hrs	0	A	0	\wedge		# Birds	Sex	UTM E	UTM N
Survey # 3 Observer(s)	Date 13 Jun						# Birds	Sex	UTM E	UTM N
G-reen	Start 0625			0 -	Λ					1
	Stop 0935	4	0	-6	/V					
	Total hrs_									
Survey # 4	Date 26 Jun						# Birds	Sex	UTM E	UTM N
Observer(s) Chet McGaugh TE 336517-6	Start 0450 Stop 1000 Sh 10m Total hrs	0	0	0	\wedge					
Survey # 5 Observer(s)	Date & Jul						# Birds	Sex	UTM E	UTM N
McGaugh	Start 0 5 5 0		_	A	Λ/				<u> </u>	
	Stop 1000	0	4)		, v					
	4h 10m Total hrs	-		1						
Overall Site Sur Totals do not equal each column. Include resident adults. Do migrants, nestlings,	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatel	hers co	lor-ba	nded? Yes_	No <u>×</u>
fledglings. Be careful not to do individuals.	uble count	4	4	0	0	If yes, report color combir section on back of form ar				

Reporting Individual John F. Green

US Fish and Wildlife Service Permit # TE054011-5

State Wildlife Agency Permit # SC 201951 4 Hackagent - all

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Reportin	g Individual	ohn F. C	reen	-merch years	Pl	none # 951-369-8060 -mail John. F. green @ amec.com vate Report Completed 27 July 2012 (droft)
Affiliatio	on AMEC	glen, Phase II	- V A		E	-mail john. f. green @ amec. carn
Was this	site surveyed in	a previous year?	Yes / No	Unknown	D	ate Report Completed 27 July 2012 (droft)
Did you	verify that this s	ite name is consis	tent with that us	ed in previous v	ears? Yes	No. Not Applicable
If site na	me is different, v	what name(s) was	used in the past	The Yard O	utlier, s	Survey Area 7
If site wa	s surveyed last y survey the same	vear, did you surv general area durii	ey the same gen ng each visit to t	eral area this ye his site this year	ar? Yes r? Yes	No Not Applicable No If no, summarize below. No If no, summarize below.
Managen Name of	nent Authority fo Management En	or Survey Area: tity or Owner (e.ş	Federal g., Tonto Nation	Municipal/Cour al Forest)	ntyS	tate Tribal Private
Length of	f area surveyed:	<u>0.95</u> (kr	n)			
Vegetatio	on Characteristic	s: Check (only on	e) category that	best describes t	he predomi	nant tree/shrub foliar layer at this site:
		f plants (entirely o				
	Mixed native an	d exotic plants (n	nostly native, 50	- 90% native)		
	Mixed native and	d exotic plants (m	nostly exotic, 50	- 90% exotic)		
·	Exotic/introduce	ed plants (entirely	or almost entire	ly, > 90% exoti	c)	
Identify tl	he 2-3 predomin	ant tree/shrub spe	cies in order of	dominance. Us	e scientific	names. Salix spp., Baccharis Salicifolia
Average l	neight of canopy	(Do not include a	a range):	5		(meters)
nests; 3) p	hotos of the inte	n or aerial photo s rior of the patch, o	showing site loca exterior of the pa	ition, patch shar itch, and overall	site. Descri	ey area, outlining survey site and location of oute, location of any detected WIFLs or their libe any unique habitat features in Comments.
features. * Survi	s (such as start a Attach additiona ey times o	nd end coordinate I sheets if necess The for fy	es of survey area ary. <u>// marnin</u>	if changed amo	ong surveys + Høs	s, supplemental visits to sites, unique habitat patch. Times are in standard,
A seen	durion	survey da				
. 3(())	deliting	300027 014	<i>y</i>			
Γerritory S	Summary Table.	Provide the follo	owing information	on for each veri	fied territory	y at your site.
Γerritory	All Dates	UTM E	UTM N	Pair	Nest	Description of How You Confirmed
Number	Detected			Confirmed? Y or N	Found? Y or N	Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)
ttach add	itional sheets if	necessary				

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

		Willow	Flycatel	ner (WIFI	L) Survey and	d Detection Form (revised	l April	2010)		
Site Name Valley-Ivyglen, Phase II - El Hermano Outliers State CA County Riverside USGS Quad Name Lake Mathews Elevation 315 (meters) Creek, River, Wetland, or Lake Name Unnamed										
USGS Quad Creek, Rive	l Name <u>L</u> r, Wetland, c	or Lake N	Makh. Iame M	ews nnan	ned	Elevation	315		(met	ers)
Is copy	of USGS m	ap marke	ed with si	urvey area	and WIFL st	ightings attached (as requi	ired)?]	$Yes \times N$	
Survey Coordinates: Start: E 457282 N 3735400 UTM Datum MAD 27 See instructions) Stop: E 457527 N 3735332 UTM Zone II If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page.										
Stop: E <u>45 75 2 7 N 3 7 35 33 2 UTM Zone 11</u> If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page										
11 501 10	, coordinate	** F	ill in ac	lditional	site inforn	nation on back of this	page	**	on odek of this	page.
Survey # Observer(s) (Full Name)	2012 Date (m/d/y) Survey time * see Commenta	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is a	an optio ials, pai rvey). I	es for WIFL Dete nal column for do rs, or groups of b nclude additional	ocumenting irds found on
Survey # 1	Date 15 May					A Brown-headed	# Birds	Sex	UTM E	UTM N
Observer(s) Stephen J. Myers	Start 0510			_		Cowbird			-	
		0	4	4	$ \hspace{.1cm} \wedge \hspace{.1cm} $	(BHCO)				
TE 804203-9	Stop 0955 4.75 Total hrs					see comments				
Survey # 2	Date 1-2 Jun						# Birds	Sex	UTM E	UTM N
Observer(s) G-roen	2 315 Start 2 750 Stop 2 120 Total hrs 5	D	A	4	\wedge					
Survey # 3 Observer(s)	Date 13 Jun						# Birds	Sex	UTM E	UTM N
Green	Start 0625	0.1		0 -	Λ	_				
	Stop 0935	4	0	-6,5	/V					
	Total hrs_								***************************************	
Survey # 4	Date 26 Jun						# Birds	Sex	UTM E	UTM N
Observer(s) CMC+ McGaugh TE	Start 0450				. ^					
McGaugh	Stop /000	2	0	0	N					
836517-6	5h 10m Total hrs	7								
Survey # 5							# Birds	Sex	UTM E	UTM N
Observer(s)	Date 6 Jul			_	. /		" Ditus	Dex	OIME	O TM IN
McGaugh	Start 0550	2	A	0	<i>N</i>	-				
	Stop 1000		- <i>y</i>	ē						
	Total hrs									
Overall Site Sur Totals do not equal each column. Include resident adults. Do migrants, nestlings, fledglings.	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato				_ No <u>×</u> _
Be careful not to do individuals.	uble count	4	4	0	0	If yes, report color combines section on back of form as				*
Total Survey Hrs	10.5									

Reporting Individual John F. Creen

Date Report Completed 27 July 2012 (elast t)

US Fish and Wildlife Service Permit # TE054011-5

State Wildlife Agency Permit # SC 001951 attachment
Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Affiliation Site Nam	g Individual Jo on AMEC ne Valley-Ivyg site surveyed in a verify that this sit	glen, Phase II -	-El Herman	T T 1	E 	none # 951-369- mail John F. grate Report Completed of No Not Survey Are ** No If no,	een @ amec.com 27 July 2012 (droft)
						* No If no, No If no, tate Tribal UnKnown	
	f area surveyed: _						
Vegetatio	n Characteristics	s: Check (only on	ie) category that l	best describes t	he predomi	nant tree/shrub foliar la	yer at this site:
	Native broadleaf	plants (entirely c	or almost entirely	, > 90% native)		
	Mixed native and	d exotic plants (m	nostly native, 50 -	- 90% native)			
]	Mixed native and	1 exotic plants (m	ostly exotic, 50 -	- 90% exotic)			
	Exotic/introduced	d plants (entirely	or almost entirely	y, > 90% exotic	c)		
Identify th	ne 2-3 predomina	int tree/shrub sper	cies in order of d	lominance. Use	e scientific	names. Salix spp.,	Baccharis salicin
Average h	height of canopy ((Do not include a	a range):	7		(meters)	
WIFL dete	ections; 2) sketch	h or aerial photo s	showing site locat	tion, patch shar	e, survey ro	ey area, outlining surve oute, location of any de- ibe any unique habitat fo	tected WIFI s or their
* Surve	ey times q	isneets it necessa ure for ful	ary. <u>Il marning</u>	if changed amo ĵ <i>, ハ</i> のた) us	ong surveys + Hús	s, supplemental visits to	sites, unique habitat
A seen	during s	survey da	· /				
Territory S	Summary Table.	Provide the follo	owing information	n for each verif	fied territor	y at your site.	
Ferritory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Territory and I (e.g., vocalization ty	ow You Confirmed Breeding Status ype, pair interactions, upts, behavior)
•							
ttoob odd	litianal abasta if m			<u> </u>			

Attach additional sheets if necessary •

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

			•	•		d Detection Form (revised	•	,		
Site Name Valley-Ivyglen, Phase II-Mayhew Ontlies State CA County Riverside USGS Quad Name Lake Mathews Elevation 320 (meters) Creek, River, Wetland, or Lake Name Unnamed										
Creek, Rive	r, Wetland, o	or Lake N	lame M	nnan	ne d	Elevation	<u></u>		(mea	
Is copy	of USGS m	ap marke	ed with si	urvey area	and WIFL si	ightings attached (as requi	ired)?)	Yes <u>×</u> N	
Survey Coo	rdinates: Sta	rt: E 4	65/9	1	N 37350	UTM UTM es for each survey in comm	Datum <u>/</u>	NAD2	See instruc	tions)
If surve	y coordinate	s change	d betwee	n visits, er	ter coordinate	es for each survey in comm	Zone lents se	tion c	n back of this	page.
		** F	ill in ac	lditional	site inforn	nation on back of this	page	**		
Survey # Observer(s) (Full Name)	2012 Date (m/d/y) Survey time * see Comments	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number 'of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is a	n optio als, pai vey). I	es for WIFL Dete nal column for do rs, or groups of b nclude additional	ocumenting irds found on
Survey # 1	Date 15 May					A Brown-headed	# Birds	Sex	UTM E	UTM N
Observer(s) Stephen J. Myers	Start 0510				. /	Cowbird (BHCO)				
	Stop 0755	4	4	15	//	(191400)				
7E 804203-9	4.75 Total hrs					see comments				
Survey # 2	Date 1-2 Jun						# Birds	Sex	UTM E	UTM N
Observer(s)	3815 Start 0/50		- 1	2						
O-10em	Stop 0920	0	15	-67	\wedge					
	Total hrs 25									
Survey # 3 Observer(s)	Date 13 Jun				-		# Birds	Sex	UTM E	UTM N
G-reen	Start 0625				Λ./					
	Stop 0935	4	0	-6	/V					
	Total hrs									
Survey # 4	Date 26 Jun						# Birds	Sex	UTM E	UTM N
Observer(s) Chet McGaugh TE	Start 0450				^					
McGaugh	Stop /000	2	0	0	\mathcal{N}					
836517-6	5h 10m Total hrs	4)	9)							
Survey # 5							# p:3	Ce:	TITM E	TITNANI
Observer(s)	Date & Jul				,		# Birds	Sex	UTM E	UTM N
McGaugh	Start 0550	0	A	0	\mathcal{N}					
	Stop 1000	4	5)							
	Hh 10m Total hrs									
Overall Site Sur Totals do not equal each column. Include resident adults. Do	the sum of le only	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato	hers co	lor-ha	nded? Ves	No ×
migrants, nestlings, fledglings.						·				
-	uble count		2			If yes, report color combi section on back of form a				
individuals.										
Total Survey Hrs	10.5							<u>-</u>		

Reporting Individual John F. Green

US Fish and Wildlife Service Permit # TEO54011-5

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

One of the part of the completed 27 July 2012 (ol the first of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of the part of

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

A ffiliation	n AMEC	inn F. G			Ph	ione # <u>951</u>	369-8060
Site Nam	e Valley-Ivya	ilen, Phase II	- Mayhew	<i>Qutliers</i>	E- D:	mail John of ate Report Com	369-8060 F. green @ amec.cor pleted 27 July 2012 (drost)
was this	site surveyed in	a previous vear?	Ves 'No .	Unknown			Not Applicable 👱
II Site Hai	ne is unierent, w	vnat name(s) was	used in the past?	NA			
If site wa	s surveyed last y survey the same p	ear, did you surve general area durir	ey the same gene ng each visit to th	eral area this ye nis site this year	ar? Yes ? Yes	No No	If no, summarize below.
Managen Name of	nent Authority fo Management En	er Survey Area: tity or Owner (e.g	Federal N ., Tonto Nationa	Municipal/Cour ll Forest)	ntyS	tate Triba UnKna	al Private
Length of	f area surveyed: _	<u>0.2</u> (kn	1)				
Vegetatio	n Characteristics	s: Check (only on	e) category that t	oest describes t	he predomii	nant tree/shrub t	foliar layer at this site:
	Native broadleaf	plants (entirely o	or almost entirely	, > 90% native)		
<u></u>	Mixed native and	d exotic plants (m	ostly native, 50	- 90% native)			
	Mixed native and	d exotic plants (m	ostly exotic, 50 -	- 90% exotic)			
		d plants (entirely			-		
Identify th	ne 2-3 predomina	ant tree/shrub spe	cies in order of d	lominance. Use	e scientific 1	names. Salix	spp., Bacchanis salicifolia
		(Do not include a				(meters)	
WIFL det	ections; 2) sketch	1 or aerial photo s	howing site locar	tion, patch shar	e, survey ro	oute. location of	ng survey site and location of any detected WIFLs or their labitat features in Comments.
Comments features.	s (such as start a Attach additiona ey times o	nd end coordinate I sheets if necessa Tre for fy	es of survey area ury. ((marning	if changed amo	ong surveys	, supplemental	visits to sites, unique habitat
		survey da		, ,			
		/					
F '4 C							
		Provide the follo					
Ferritory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Territo (e.g., vocaliz	on of How You Confirmed bry and Breeding Status exation type, pair interactions, ag attempts, behavior)
	A		,				
	·						
							·
ttach add	itional cheets if	2000000					

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

west/es/arizon	a/) for the	most up	-to-date	e version	•					
		Willow	Flycatcl	ner (WIFI	L) Survey and	d Detection Form (revised	April	2010)		
Site Name	lalley-I	vyale	1, Phas	e II - 7	he Basi	'n State CA County	Riv	e15;	de	
USGS Quad	Name Lo	Ke	Matl	news	-01	State CA County Elevation 326)		(mete	ers)
Is copy	r, wetland, of of USGS m	or Lake N ap marke	ame <u>[//</u> ed with si	<u>nnarv</u> urvey area	and WIFL s	ightings attached (as requi	red)?)	Yes <u>×</u> No	<u> </u>
Survey Coo	rdinates: Sta	nt. E 41	56189	7	N 3735	514 IITM 1	Datum	NADZ	75ee instruc	tions)
541.0, 000	Sto	op: E 4	5618	4	N 3735	UTM 2 439 UTM 2 es for each survey in comm	Zone _	11		
If surve	y coordinate	s change ** F	d betwee: <i>'ill in ac</i>	n visits, er I ditiona l	iter coordinate Liste inform	es for each survey in comm	ents se nage	ction c **	on back of this	page.
Survey # Observer(s) (Full Name)	2012 Date (m/d/y) Survey time * see Comments	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> found, contact USFWS and State WIFL coordinator	GPS Co (this is a individu	oordinate an optio aals, pai rvey). I	es for WIFL Dete nal column for do rs, or groups of bi nclude additional	cumenting irds found on
Survey # 1 Observer(s)	Date 15 May					△ Brown-headed Cowbird	# Birds	Sex	UTM E	UTM N
Stephen J. Myers	Start 0510	2	A	9	۸/	(BHCO)			•	
TE	Stop 0955 4.75 Total hrs	-67			/ V	see comments				
804203-9	Total hrs					see camments				
Survey # 2 Observer(s) G-reen	Date 12 Jun 2815 Start 2750 Stop 2920 Total hrs 5	0	A	0	\sim		# Birds	Sex	UTM E	UTM N
Survey # 3 Observer(s)	Date 13 Jun					***************************************	# Birds	Sex	UTM E	UTM N
Green	Start 0625 Stop 0935	0	0	0	\mathcal{N}					
	Total hrs									
Survey # 4 Observer(s) Chet McGaugh TE							# Birds	Sex	UTM E	UTM N
McGaugh	Start 0460	0-	A	9	\mathcal{N}					
TE 836517-6	Stop 1000 5h 10m Total hrs	4		70	, .					
, .										
Survey # 5 Observer(s)	Date & Jul			!	1		# Birds	Sex	UTM E	UTM N
McGaugh	Start 0550	2	A	0	N					
	Stop 1000 44, 10 m Total hrs		•)							
Overall Site Sur										
Totals do not equal each column. Include resident adults. Do migrants, nestlings,	le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate	hers co	lor-ba	nded? Yes	_ No <u>×</u> _
fledglings. Be careful not to do individuals.	_	4	4	-0-	0	If yes, report color combin section on back of form an				
Total Survey Hrs	14.5									, , , , , , , , , , , , , , , , , , , ,

Reporting Individual John F. Green

US Fish and Wildlife Service Permit # TEO 54011-5

State Wildlife Agency Permit # SC 701191 4 Hachnest - 911

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting	g Individual Ja on AMEC	inn F. G	-reen	17.00	Ph	none # 951-369-8060
Site Nam	e Valley-Ivya	ilen, Phase II.	-The Basi	М	E- Da	mail John. F. green @ amec.com ate Report Completed 27 July 2012 (droft)
W/acthic	site surveyed in	a previoue vane?	Vac / Na	T Y1		
Did you	verify that this si	te name is consist	tent with that use	d in previous y	ears? Yes_	No Not Applicable
If site wa	s surveyed last y	ear, did you surv	ev the same gene	ral area this ve	ar? Yes	No If no, summarize below.
Did you s	survey the same	general area durir	ng each visit to th	is site this year		No If no, summarize below.
				Aunicipal/Cour l Forest)		tate Tribal Private
Length of	f area surveyed:	<u> </u>	1)			
Vegetatio	n Characteristics	s: Check (only on	e) category that b	oest describes t	he predomir	nant tree/shrub foliar layer at this site:
1	Native broadleaf	plants (entirely o	or almost entirely	, > 90% native)	
	Mixed native and	d exotic plants (m	ostly native, 50 -	- 90% native)		
	Mixed native and	d exotic plants (m	ostly exotic, 50 -	· 90% exotic)		
***************************************	Exotic/introduce	d plants (entirely	or almost entirely	y, > 90% exotic	c)	
Identify th	ne 2-3 predomina	ant tree/shrub spe	cies in order of d	ominance. Use	e scientific 1	names. Salix SPP., Baccharis
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Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

/es/arizona/) for	the most	up-to-date	e version.					
	Wil	low Flycate	her (WIFL) Sı	irvey and Detect	ion Form (revi	ised April 2010))	
C 11			-			_	10	

Site Name Valley - Lvyglen, Phase II - Temescal Wash State A County Riverside

USGS Quad Name Lake Mahlaws Elevation 310 (meters)

Creek, River, Wetland, or Lake Name Temescal Wash

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? Yes No

Survey Coordinates: Start: E 456827 N 3735936 UTM Datum MAD27 (See instructions)

Stop: E458020 N 3734720 UTM Zone 11

If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page.

** Fill in additional site information on back of this page **										
Survey# Observer(s) (Full Name)	2012 Date (m/d/y) Survey time P5T	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is individu	an optio uals, pai rvey). I	es for WIFL Detec nal column for do rs, or groups of bi nclude additional	cumenting rds found on
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Survey#2 Observer(s) Stephen J. Myers TE 804203-9	Date 4 Jun Start 0525 Stop 0905 34 49m Total hrs	0	A	0	\wedge	One Brown-headed Cowbird (BHCO)	# Birds	Sex	UTM E	UTM N
Survey #3 Observer(s) G-reen	Date 14 Jun Start 9620 Stop 0840 24, 20m. Total hrs	0	0	-0-	N		# Birds	Sex	UTM E	UTM N
Survey # 4 Observer(s) Myers	Date 25 Jun Start 0445 Stop 9855 445 Total hrs 10.71	0	0	0	N	one 13HCQ	# Birds	Sex	UTM E	UTM N
Survey # 5 Observer(s)	Date 5 Jn 1 Start 95 35 Stop 0845 3h 10m Total hrs	0	0	0	Ν		# Birds	Sex	UTM E	UTM N
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Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Affiliation	AMEC	4n F. G		A	Pho	one# <u>951-369-8060</u> mail 1260, £. green @ graec.com
Site Name	Valley-Ivyg	len, Phase II.~	-Ternescal	wash	Da	mail John. F. green @ amec. corn te Report Completed 27 July 2012 (droft)
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* A Sm	naller and	cheral area during	g cach visit to the	is site this year	: 1es_	No If no, summarize below.
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		l exotic plants (me	•	•		
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Yellow-Billed Cuckoo (YBCU) Survey Detection Form

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	Page_4	of _/
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Felt on face	2	drizzle	2	2 to 4	2	Forages	FO	Eats Food	EF	Brooding	BR	Knock/Alarm	ALA	
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Small branches	4	Heavy rain	4	11 to 19	4	Flies	FLY	Juvenile	JUV	Feeds Young	FY	Other voc	VO	
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2012 Focused Surveys for Riparian Birds Valley-Ivyglen Transmission Line Project, Phase II AMEC Project No. 1255400499 August 2012



APPENDIX D CERTIFICATION

2012 Focused Surveys for Riparian Birds Valley-Ivyglen Transmission Line Project, Phase II AMEC Project No. 1255400499 August 2012



CERTIFICATION STATEMENT FOR THE UNITED STATES FISH AND WILDLIFE SERVICE

We certify that the information in the survey report and attached exhibits fully and accurately represents our work.

Signed:		
Date:		
Signed:		
Date:		
Signed:		
Date:		



DRAFT

RESULTS OF FOCUSED SURVEYS FOR THE LEAST BELL'S VIREO, SOUTHWESTERN WILLOW FLYCATCHER, AND WESTERN YELLOW-BILLED CUCKOO FOR THE VALLEY-IVYGLEN TRANSMISSION LINE PROJECT, PHASE 2 RIVERSIDE COUNTY, CALIFORNIA

Prepared for: Southern California Edison 2244 Walnut Grove Avenue Rosemead, California 91770

Prepared by:

AMEC Environment & Infrastructure, Inc.
9210 Sky Park Court, Suite 200
San Diego, California 92123

September 2013 AMEC Project No. 1255400499



EXECUTIVE SUMMARY

At the request of Southern California Edison (SCE), AMEC Environment and Infrastructure, Inc. (AMEC) conducted focused surveys for the state and federally listed as endangered Least Bell's Vireo (*Vireo belli pusillus*) and Southwestern Willow Flycatcher (*Empidonax traillii extimus*) and the state listed as endangered Western Yellow-billed Cuckoo (*Coccyxz americana occidentalis*). Surveys were conducted at suitable habitat patches along the Valley-Ivyglen Transmission Line Project, Phase 2 (see Appendix A, Figures 1-3). These patches are locations where these species have not been detected during previous focused surveys (AMEC 2007, 2009, 2010, 2011, 2012a, & 2012b). The surveys were performed to satisfy requirements of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) (Riverside County 2003). Least Bell's Vireos were detected in three survey areas/patches. No Southwestern Willow Flycatchers or Western Yellow-billed Cuckoos were detected.



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ACRONYMS AND ABBREVIATIONS

AMEC	AMEC Environment & Infrastructure, Inc.
CDFG	California Department of Fish and Game
CDFW	California Department of Fish and Wildlife (new name as of 2013)
°F	degrees Fahrenheit
kV	kilovolt
LBV	Least Bell's Vireo
mph	miles per hour
MSHCP	Multiple Species Habitat Conservation Plan
PST	Pacific Standard Time
project	Valley-Ivyglen Transmission Line Project, Phase 1
ROW	right-of-way
SCE	Southern California Edison
study area	project ROW and 500-foot buffer from centerline of ROW
SWF	Southwestern Willow Flycatcher
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VIG	Valley-Ivyglen Subtransmission Line
WYBC	Western Yellow-billed Cuckoo



1.0 INTRODUCTION

At the request of Southern California Edison (SCE), AMEC Environment and Infrastructure, Inc. (AMEC) conducted focused surveys for the state and federally listed as endangered Least Bell's Vireo (LBV; Vireo belli pusillus) and Southwestern Willow Flycatcher (SWF; Empidonax traillii extimus) and the state listed as endangered Western Yellow-billed Cuckoo (WYBC; Coccyxz americana occidentalis). Surveys were conducted at suitable habitat patches along the Valley-Ivyglen (VIG) Transmission Line Project, Phase 2 (see Appendix A, Figures 1-3). These patches are locations where none of these species have been detected during previous Valley-Ivyglen focused surveys for riparian birds (AMEC 2007, 2009, 2010, 2011, 2012a, & 2012b). The surveys were performed to satisfy requirements of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) (Riverside County 2003). This report presents the findings of those focused surveys.

1.1 Project Description

The proposed VIG project has been divided into two portions: eastern (Phase 1) and western (Phase 2). Phase 1 extends from the Valley Substation in the City of Menifee southwest to the corner of Collier Avenue and Third Street in the City of Lake Elsinore. The Valley Substation is located in the City of Menifee on the west side of Menifee Road between McLaughlin and Ethanac Roads. Phase 2 extends from that corner northwest to the Ivyglen Substation in the City of Corona. The proposed project is designed to improve reliability and meet projected electrical load requirements in western Riverside County, and involves the eventual construction of a new 115 kilovolt (kV) transmission line between the Valley and Ivyglen Substations.

The proposed Phase 2 VIG route is located entirely in western Riverside County, California and it traverses portions of unincorporated county and the cities of Corona and Lake Elsinore (See Appendix A, Figures 1 - 3). The route traverses portions of the Lake Elsinore, Lake Mathews, and Alberhill United States Geological Survey (USGS) 7.5-minute series topographic quadrangles (see Appendix A, Figure 2).

This report concerns focused surveys conducted within the Phase 2 portion of the project area; Phase 1 will not be discussed further. Appropriate habitat was surveyed along the proposed transmission line right-of-way (ROW) and a 500-foot buffer from the centerline of the proposed ROW (study area), with the exception of areas that already have established occurrences of LBV areas are shown on Figures 1 through 3 in Appendix A.

The study area is located within the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). The MSHCP is a comprehensive, multi-jurisdictional Habitat Conservation Plan, which focuses on conservation of species and their associated habitats in western Riverside County (Riverside County 2003).



1.2 Species Information: Least Bell's Vireo

LBV is a small, migratory, insectivorous bird which occurs in willow-dominated riparian habitats. Although this bird is drab in plumage and can be secretive within its densely vegetated habitat, males are easy to detect on the breeding grounds due to their conspicuous and diagnostic song. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams (Grinnell and Miller 1944, Goldwasser 1978, Franzreb 1987, Garrett and Dunn 1981).

LBV were formerly widespread and common throughout low-lying riparian habitats of central and southern California, but are now restricted to a limited number of locations in southern California. Habitat reduction has contributed to this species' significant population declines. Nest parasitism by Brown-headed Cowbirds (*Molothrus ater*) has also seriously impacted reproductive success by LBV, as well as many other species which build cup nests (Goldwasser 1978). The population is slowly recovering as a result of habitat restoration and cowbird control efforts. LBV is listed as Endangered by the California Department of Fish and Game (CDFG) and by the United States Fish and Wildlife Service (USFWS) (USFWS 1986). A final determination of critical habitat was made in 1994 (USFWS 1994). The project area is not within designated critical habitat for the LBV.

1.3 Species Information: Southwestern Willow Flycatcher

The SWF is a small, brownish-olive flycatcher that was formerly considered a common summer resident in southern California's lowland willow thickets and in low elevation mountain canyons (Garrett and Dunn 1981). Following the large-scale invasion of southern California by Brownheaded Cowbirds in the 1920s, along with loss of willow riparian habitat, this subspecies was nearly extirpated from southern California. The Willow Flycatcher was listed by the State of California as endangered in 1990. The subspecies *E. t. extimus* (SWF) is listed as federally endangered (USFWS 1995). Critical habitat was designated for this species in 1997 (USFWS 1997), then revised and finalized again in 2005 (USFWS 2005), then revised and finalized again in 2013 (USFWS 2013). The project area is not within currently designated critical habitat for the SWF.

Surveys have revealed extant populations along the Santa Margarita and San Luis Rey Rivers in San Diego County, in the San Bernardino Mountains and along the Mojave River in San Bernardino County, the Santa Ynez River in Santa Barbara County, the Santa Clara River in Los Angeles and Ventura counties, the South Fork of the Kern River in Kern County (Unitt 1987, Marshall 2000), and the Prado Basin and San Timoteo Creek in western Riverside County (J. Pike, Orange County Water District; R. McKernan, San Bernardino County Museum: pers. comm.). This subspecies also persists in the Lower Colorado River Valley (Marshall 2000, R. McKernan, pers. comm.). Unlike LBVs, SWF populations do not appear to have gained any significant benefit from habitat restoration and cowbird control efforts.



The SWF breeds in dense riparian habitats near surface water or saturated soil. Plant composition and habitat structure can vary greatly depending on the site, but willows often make up much of the understory. Populations along the Colorado River are known to use thickets dominated by both native and nonnative plants (especially Salt-Cedar [*Tamarix* spp.]). Dense patches of understory vegetation are a critical component of occupied habitat (Sogge *et al.* 1997).

1.4 Species Information: Western Yellow-billed Cuckoo

The WYBC is an extremely rare bird in California, with less than 50 pairs found during a statewide survey in 1986-1987 and little indication of population improvement since. Most of California's Yellow-billed Cuckoos are found in two areas: along the Sacramento River between Red Bluff and Colusa, and along the South Fork Kern River near Weldon (Laymon 1998). There have also been some recent successes in WYBC occupation of restoration areas along the lower Colorado River in California. WYBC was listed as Endangered by the State of California in 1988.

WYBC are long distance migrants and return to California from their South American wintering areas in late May and June. Occupied riparian forests are usually larger than 25 acres. Detection of WYBC is difficult, as they have large home ranges in dense willow and cottonwood forests and call infrequently. Recorded playback of the species' calls is the recommended method for conducting surveys.



2.0 METHODS

2.1 Habitat Assessment

Areas considered to contain suitable habitat were identified along the Phase 2 VIG project route as below. All are recorded in UTM, Zone 11, NAD27:

- Pasadena consists of a habitat patch dominated by Mule Fat (Baccharis salicifolia) and willows (Salix spp.) (see Photo 1 in Appendix B). Drought and some disturbance prior to the survey season left this patch in very low quality condition for utilization by riparian birds. There was no surface water or saturation during the 2013 season. It is southwest of the intersection of Third and Pasadena Streets in the City of Lake Elsinore, on the USGS 7.5 minute Lake Elsinore quadrangle (see Appendix A: Figures 1, 2-1, and 3-1). The west end is at 468446E, 3726999N and the east end at 468529E, 3727010N. This is the one of two Phase 2 patches in the "Southeast" survey area, which also included patches along Phase 1 (see Table 1 below).
- Lake Street is primarily along an unnamed drainage. At the beginning of the 2013 survey season it was variously dominated by Mule Fat and willows and interspersed with short sections of unsuitable habitat. Gum trees (Eucalyptus sp.) are adjacent to the riparian habitat along much of the drainage. The north end of this survey also includes a short segment of Temescal Wash, which the unnamed drainage is tributary to. The survey area is just east of habitat in Temescal Wash known to have been occupied by LBV in the past. The downstream end (north) is located just northeast of the intersection of Temescal Canyon Road and Lake Street at 463659E, 3731899N. The upstream (south) end of the survey area is just east of the corner of Lake Street and Nichols Road at 464727E, 3730095N. Surface water or saturation was present, at least upstream, during the 2013 riparian bird surveys. The unnamed drainage is a USGS mapped intermittent blueline stream. Surveys were suspended after May 20th, following the discovery of vegetation removal within suitable habitats (Refer to C for notification letter to USFWS for suspension of surveys and Photos 2-4 in Appendix B. This area occurs on land mapped on the USGS 7.5 minute Alberhill, Calif. quadrangle in the City of Lake Elsinore (see Appendix A: Figures 1, 2-2, and 3-2 through 3-4). This is one of two Phase 2 patches in the "Southeast" survey area, which also included patches along Phase 1 (see Table 1 below).
- Horsethief East is a riparian patch dominated intermittently by Fremont Cottonwoods (*Populus fremontii*), willows, and Mule Fat. See Photo 5 in Appendix B. It is located approximately 0.4 mile southeast of the intersection of De Palma and Horsethief Canyon Roads. The approximate north end of survey area is at 460892E, 3732717N and the south end is at 460718E, 3732467N. This unnamed drainage is a USGS mapped intermittent blueline stream which is now interrupted by an upstream housing development. Surface water was present throughout the season at the upstream (south) end of the drainage. This area occurs on unincorporated lands mapped on the USGS



7.5 minute *Alberhill, Calif.* quadrangle (see Appendix A: Figures 1, 2-2, and 3-5). Part of the "Northwest" survey area (see Table 1 below).

- Horsethief West is intermittently dominated by Mule Fat and willows. See Photo 6 in Appendix B. It is located approximately 0.15 mile southeast of the intersection of De Palma and Horsethief Canyon Roads. The approximate north end of survey area is at 460552E, 3732964N and the south end is at 460466E, 3732642N. This unnamed drainage has been highly modified and is now interrupted by development upstream. No surface water or saturation was visible at this site during the 2013 riparian birds surveys, and much of the riparian vegetation was exhibiting drought stress by the end of the season. This area occurs on land mapped on the USGS 7.5 minute Alberhill, Calif. quadrangle (see Appendix A: Figures 1, 2-2, and 3-5). Part of the "Northwest" survey area (see Table 1 below).
- De Palma is a small riparian patch south of De Palma Road, approximately 0.5 mile southeast of the intersection of De Palma and Glen Eden Roads. See Photo 7 in Appendix B. The north end of this patch is riparian scrub (willows and Mule Fat) transitioning to oak woodlands to the southwest. Upstream rural residential may provide some moisture to this unnamed and unmapped drainage, but no surface water or saturation was visible at this site during the 2013 surveys, and much of the riparian vegetation was exhibiting drought stress by the end of the season. The approximate north end of survey area is at 459297E, 3733474N and the south end is at 459233E, 3733342N. This area occurs on land mapped on the USGS 7.5 minute Alberhill, Calif. quadrangle (see Appendix A: Figures 1, 2C, and 3-6). Part of the "Northwest" survey area (see Table 1 below).
- Indian Truck Trail consists of several unnamed USGS mapped intermittent blueline streams as they converge at Temescal Wash as they approach and enter the wash as its tributaries. See Photo 8 in Appendix B. These are all near the intersection of Temescal Canyon Road and Indian Truck Trail in or near Corona city limits. Riparian habitat in these patches consists of Western Sycamore (*Platanus racemosa*), willows, Fremont Cottonwoods, Mule Fat, and Coast Live Oaks (*Quercus agrifolia*). Upstream development may provide some moisture to this drainage, but no surface water or saturation was visible during the survey season. The approximate west end of survey area is at 458302E, 3734223N and the east end is at 458725E, 3734336N. These patches occur on lands mapped on the USGS 7.5 minute *Alberhill, Calif.* and *Lake Mathews, Calif.* quadrangles (see Appendix A: Figures 1, 2C, and 3-7). Part of the "Northwest" survey area (see Table 1 below).
- Yard is a small riparian patch southwest of Temescal Canyon Road, approximately 0.3 mile south-southeast of El Hermano Road. See Photo 9 in Appendix B. The approximate west end of survey area is at 457767E, 3734904N and the east end is at 457791E, 3734938N. This area occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle in or near Corona city limits (see Appendix A: Figures 1, 2C, and 3-9). A patch of willows and Mule Fat occurs at this site. A grove of large gum trees is adjacent to the northeast of the riparian scrub. The site had some surface water during



most of the survey season. This site is on an unnamed USGS mapped intermittent blueline stream, with flow enhanced by runoff from upstream residential development. Part of the Northwest survey area (see Table 1 below).

- El Hermano is comprised of riparian patches southwest of the intersection of Temescal Canyon and El Hermano Roads. See Photo 10 in Appendix B. This area occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle in the City of Corona (see Appendix A: Figures 1, 2C, and 3-10). The approximate west end of survey area is at 457285E, 3735392N and the east end is at 457592E, 3735280N. The westernmost patch is dominated by willows and had surface water/saturation throughout the survey season. The other two patches consisted of Mule Fat and willows, but lacked surface water or saturated soils. This area is not mapped as a drainage but appears to be fed by runoff from housing developments on the other side of Interstate 15. Part of the "Northwest" survey area (see Table 1 below).
- Mayhew is two associated riparian patches just east of the intersection of Temescal Canyon and Mayhew Roads in the City of Lake Elsinore. See Photo 11 in Appendix B. This area occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (see Appendix A: Figures 1, 2C, and 3-11). The approximate west end of survey area is at 456519E, 3735684N and the east end is at 456625E, 3735620N. The two patches contain Mule Fat and willows, but lacked surface water or saturated soils. This area is not mapped as a drainage but the eastern patch is within natural drainage contours and appears to be fed by runoff from housing developments on the other side of Interstate 15. This drainage was once blocked by fill for a now abandoned railroad crossing, and passed through a culvert there, below our survey area. That fill and culvert were blown out by flooding (in 2011?). The western patch of this survey area appears to be an artificial basin that may have filled when water backed up against the former railroad crossing. Now that that obstacle is gone, this basin may become increasingly arid, but so far vegetation has persisted. Part of the "Northwest" survey area (see Table 1 below).
- Campbell consists of patches of riparian vegetation dominated by willows, sycamores, and Mule Fat. See Photo 12 in Appendix B. They are along an unnamed USGS mapped blueline stream, but are separated by Campbell Ranch Road. The drainage may gain some moisture from rural residences, but appears to be a largely natural system upstream of the survey area. No surface water was visible during the surveys, and vegetation east of Campbell Ranch Road was exhibiting drought stress. The survey area is at the intersection of Campbell Ranch Road and Indian Truck Trail in the City of Corona. The approximate north end of survey area is at 458002E, 3734212N and the south end is at 457767E, 3733981N. This area occurs on land mapped on the USGS 7.5 minute Alberhill, Calif. quadrangle (see Appendix A: Figures 1, 2C, and 3-8). Part of the "Campbell Ranch" survey area (see Table 1 below).
- **Fire Station** consists of two patches of riparian vegetation dominated by willows. See Photo 13 in Appendix B. They are along an unnamed USGS mapped blueline stream, but are separated by Campbell Ranch Road. Vegetation in the drainage appears to be



sustained by runoff from the large residential area immediately to the northwest. The survey area is at the intersection of Campbell Ranch Road and Mayhew Canyon Road (south end) adjacent to a fire station in the City of Corona. The approximate north end of survey area is at 457693E, 3734741N and the south end is at 457550E, 3734513N. This area occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle (see Appendix A: Figures 1, 2C, and 3-8 through 3-9). Surface water was visible during the surveys. Part of the "Campbell Ranch" survey area (see Table 1 below).

- Soapberry consists of two patches of adjacent riparian vegetation dominated by willows and Mule Fats. See Photo 14 in Appendix B. They are in created basins which are not on USGS mapped bluelines. They appear to be sustained by runoff from the large residential area immediately to the south. All are on the north side of Campbell Ranch Road near its intersection with Soapberry Street in the City of Corona. The approximate east end of survey area is at 457529E, 3734889N and the west end is at 457135E, 3735200N. This area occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle (see Appendix A: Figures 1, 2C, and 3-9). Some surface water was visible during the surveys. Part of the "Campbell Ranch" survey area (see Table 1 below).
- Triplet consists of three patches of adjacent riparian vegetation dominated by willows and Mule Fats. Two are on drainages not mapped as bluelines by the USGS, and the third is in a created basin, also not on a mapped blueline. All appear to be sustained by runoff from the large residential area immediately to the south. See Photo 15 in Appendix B. All are on the north side of Campbell Ranch Road near its intersection with Mayhew Canyon Road (north end) in the City of Corona. The approximate east end of survey area is at 456844E, 3735397N and the west end is at 456567E, 3735471N. This area occurs on land mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle (see Appendix A: Figures 1, 2C, and 3-11). Some surface water was visible during the surveys. Part of the "Campbell Ranch" survey area (see Table 1 below).
- Basin is in a detention basin/former surface mine southwest of Temescal Canyon Road, just south of its intersection with Campbell Ranch Road in the City of Corona. See Photo 16 in Appendix B. It is not a named or mapped drainage. The approximate north end of survey area is at 456189E, 3735514N and the south end is at 456207E, 3735393N. This area occurs on land mapped on the USGS 7.5 minute *Lake Mathews, Calif.* quadrangle (see Appendix A: Figures 1, 2C, and 3-11). This patch contains willows, Mulefat, and Salt-Cedar (*Tamarix ramosissima*). No surface water or saturation was visible during the surveys, and the vegetation exhibited drought stress, especially late in the season. Part of the "Campbell Ranch" survey area (see Table 1 below).
- Temescal Wash is along the named USGS mapped intermittent blueline stream of the same name. See Photos 17and 18 in Appendix B. It now appears to have perennial surface flow, presumably due to urban runoff. It contains quality cottonwood-willow riparian forest. This survey area occurs on lands mapped on the USGS 7.5 minute Lake Mathews, Calif. quadrangle in the City of Corona (see Appendix A: Figures 1, 2C, and 3-9 through 3-11). It is north and east of Temescal Canyon Road, in both directions from



its intersection with El Hermano Road. The approximate west end of survey area is at 456839E, 3735923N and the east end is at 457950E, 3735146N. This survey area was done by itself, not with other patches (see Table 1 below).

2.2 Survey Methodology

In accordance with the currently accepted survey protocol for the LBV (USFWS 2001), each site was surveyed eight times by AMEC Environment & Infrastructure, Inc. (AMEC) biologists. The LBV protocol requires surveys to be conducted at least 10 days apart from 10 April to 31 July. The SWF protocol requires five surveys, and that the first survey be performed from 15 May to 31 May, the next two surveys from 1 June to 24 June, and the final two surveys between 25 June and 17 July, with at least five days between surveys (Sogge et al. 2010). The SWF surveys were performed concurrently with LBV surveys. Suitable habitat for the WYBC was present only in the Temescal Canyon survey area. Surveys were conducted using the most recent version of the protocol available (Halterman, et al 2011). This protocol requires one survey in each of the following four periods: mid-late June, early-mid July, mid-late July, and early-mid August, with a minimum of 12 days between visits. The first three surveys were conducted concurrent with LBV and SWF surveys. Survey forms are provided in Appendix D.

Surveys consisted of slowly moving through the habitat while listening for the songs and calls of the target species. During the SWF and WYBC surveys, recordings of their vocalizations were broadcast as required by protocol. All bird species detected during the surveys were recorded in field notes (Appendix E).

To cover all of the habitat on Phase 2, each full survey "visit" took four person days (see Table 1). SWF surveys were performed by John F. Green and Stephen J. Myers under the respective authority of federal endangered species permits TE054011 and TE804203 WYBC were performed by Green and Myers under the authority of a CDFW Memorandum of Understanding (Refer to Appendix F for certification).. The survey areas are illustrated on Figure 3 (aerial photos) and Figure 2 (USFWS required topographic maps).



Table 1. **Survey Data**

Date (2013)	Observer	Time (PST)	Temp. (°F)	Wind (mph)	Sky (% cover)
(20.0)		ast (Pasadena		, , ,	(10 00 101)
10 April	John F. Green	0545-0800	61-69	1-3	0
26 April	John F. Green	0500-0725	53-63	0	0
8 May	Stephen J. Myers	0455-0825	53-65	0-2	30-50
20 May †	John F. Green	0430-0635	55-65	1-4	0
3 June †	Stephen J. Myers	0700-0915	65-75	0-2	50-0
19 June †	John F. Green	0740-0850	70-76	1-2	0
3 July †	Stephen J. Myers	0445-0715	69-80	0	60-50
15 July †	Stephen J. Myers	0710-0855	86-91	0	0
Northwest (Ho	orsethief East & West,	De Palma, Ind	ian Truck Trai	l, Yard, El Herm	nano, & Mayhew)
16 April	John F. Green	0600-0920	55-73	0-2	50-35
29 April	Stephen J. Myers	0510-0925	56-71	0-5	100-0
15 May †	John F. Green	0450-0915	67-76	1-2	40-0
4 June †	John F. Green	0510-0905	61-74	1-2	100-60
20 June †	Stephen J. Myers	0440-0900	59-76	0-2	0
1 July †	John F. Green	0450-0840	77-89	0-2	60-90
16 July †	Stephen J. Myers	0445-0850	66-85	0-2	10-20
29 July	Stephen J. Myers	0500-0815	65-70	0-2	100-30
	Campbell Ranch (Can	npbell, Fire Sta	tion, Soapberr	y, Triplet, & Bas	sin)
17 May †	John F. Green	0455-0800	61-70	1-3	100
28 May	Nathan Moorhatch	0432-0642	63-65	0-3	100
7 June †	Stephen J. Myers	0445-0840	58-70	0	100-0
17 June †	John F. Green	0550-0830	66-79	1-2	0
27 June †	Stephen J. Myers	0415-0805	67-92	0-2	0
9 July †	John F. Green	0530-0800	71-86	0-2	40-50
18 July	Stephen J. Myers	0415-0800	68-86	0-3	0
30 July	Stephen J. Myers	0510-0825	66-74	0-1	0
		Temescal	Wash		
16 April	Stephen J. Myers	0520-0950	50-61	0-3	50-80
30 April	John F. Green	0555-0910	57-64	1-4	100-70
15 May †	Stephen J. Myers	0455-0910	54-78	0-3	0
3 June †	John F. Green	0700-1000	68-74	0-4	100-0
17 June *	Stephen J. Myers	0425-0910	64-81	0-3	0
1 July *	Stephen J. Myers	0420-0830	76-87	0	90-70
15 July *	John F. Green	0515-0905	67-84	0-1	0
25 July	John F. Green	0550-0800	64-76	0-2	5-30
6 August	Stephen J. Myers	0430-0820	60-72	0-1	0

Notes: † LBV and SWF surveys conducted concurrently.

* LBV, SWF, and WYBC surveys conducted concurrently.

Surveys for SWFL were discontinued due to suitable habitat removal.

Unmarked surveys were for LBV only, except last Temescal survey which was for WYBC only.



3.0 RESULTS

3.1 Habitat Description

The five survey areas are all vegetated with plants typical of lowland riparian areas in Southern California, including willows (*Salix* spp.), Mule Fat (*Baccharis salicifolia*), Fremont Cottonwoods (*Populus fremontii*), and Western Sycamore (*Platanus racemosa*). Information specific to each patch is included in Section 2.1.

3.2 Survey Results

Ninety-seven bird species were detected during the 2013 Phase 2 riparian birds focused surveys. Among the most frequently detected species were the following birds that are typical of lowland riparian habitats in southern California: Mourning Dove (*Zenaida macroura*), Black-chinned Hummingbird (*Archilochus alexandri*), Nuttall's Woodpecker (*Picoides nuttallii*), Black Phoebe (*Sayornis nigricans*), Bushtit (*Psaltriparus minimus*), House Wren (*Troglodytes aedon*), Yellow Warbler (*Setophaga petechia*), Common Yellowthroat (*Geothlypis trichas*), Song Sparrow (*Melospiza melodia*), and Lesser Goldfinch (*Spinus psaltria*).

3.3 Least Bell's Vireo

LBV were detected in the Temescal Wash, El Hermano, and Lake Street survey areas/patches (see Figures 3-2 through 3-3 and Figures 3-9 through 3-11). Only singing males were detected, breeding success was not determined.

3.4 Southwestern Willow Flycatcher

No SWF or any other subspecies of Willow Flycatcher were detected at any of the survey areas/patches.

3.5 Western Yellow-billed Cuckoo

No Yellow-billed Cuckoos were detected. Survey points are shown on Figures 3-9 through 3-11 in Appendix A.



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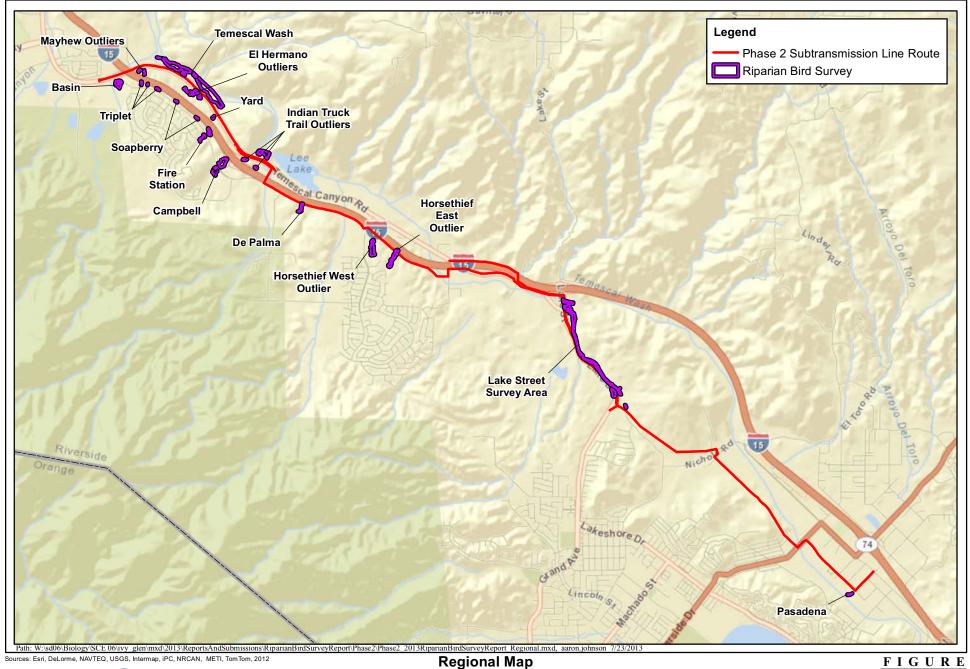


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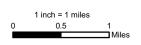


APPENDIX A FIGURES

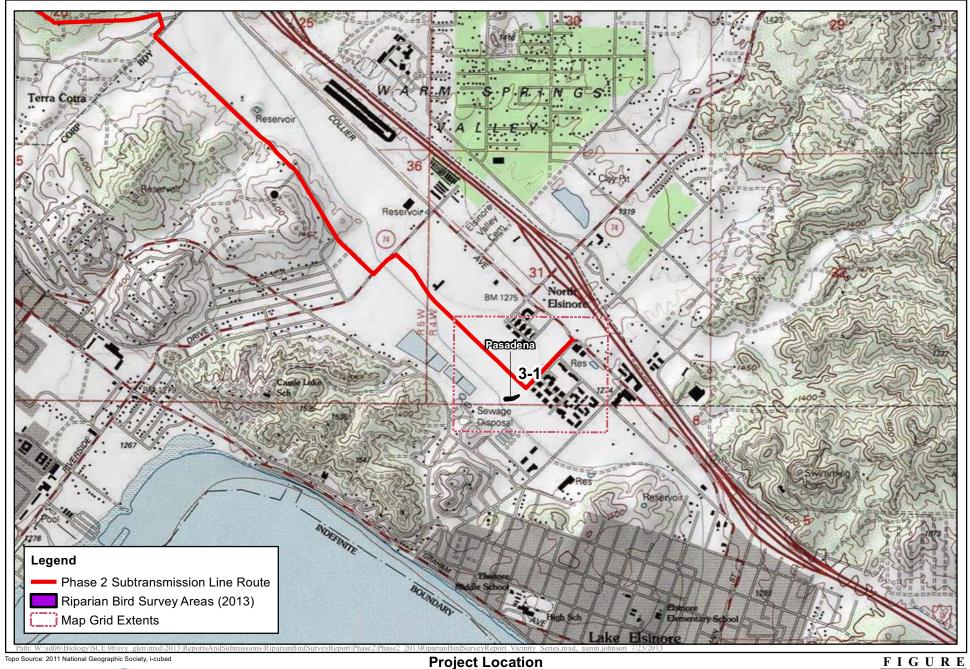


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Riverside County, CA

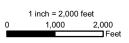






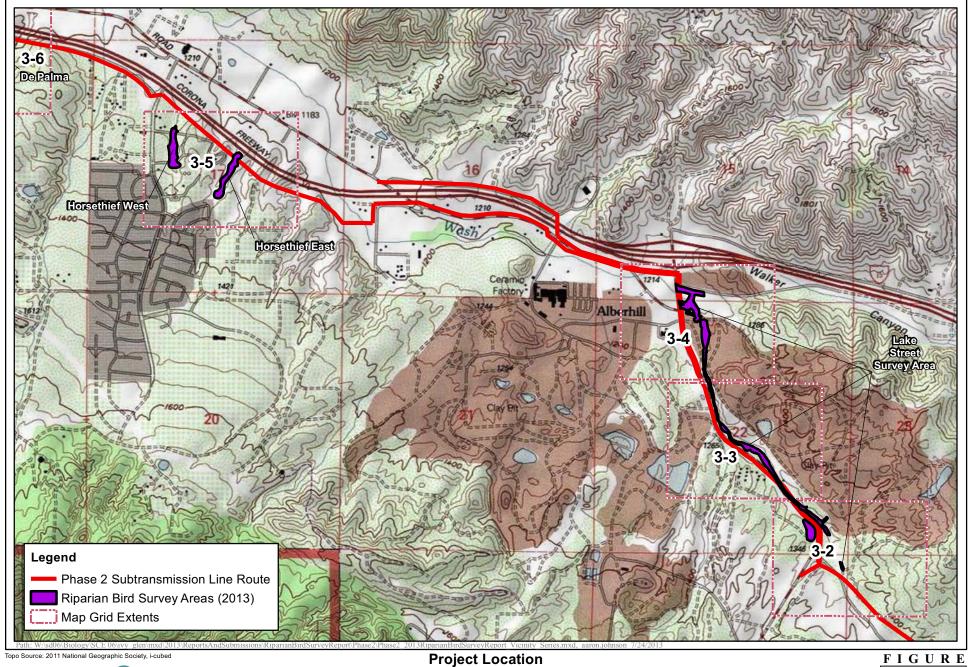
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2013 Riparian Bird Focused Surveys
Valley-Ivyglen Subtransmission Line Project: Phase 2
Riverside County, CA



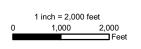


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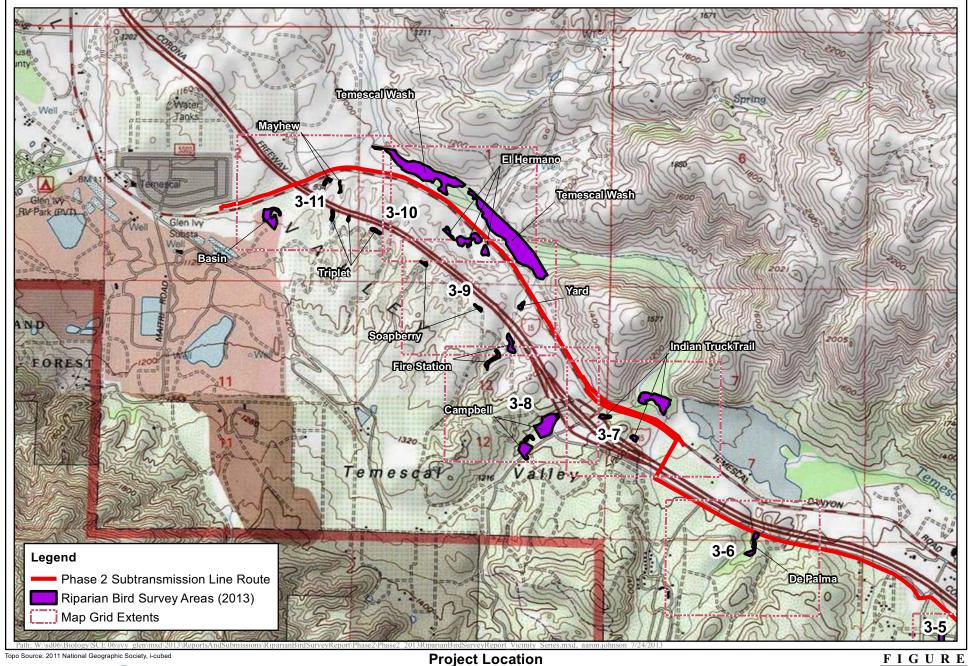


2013 Riparian Bird Focused Surveys Valley-lvyglen Subtransmission Line Project: Phase 2 **Riverside County, CA**



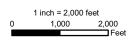


2B

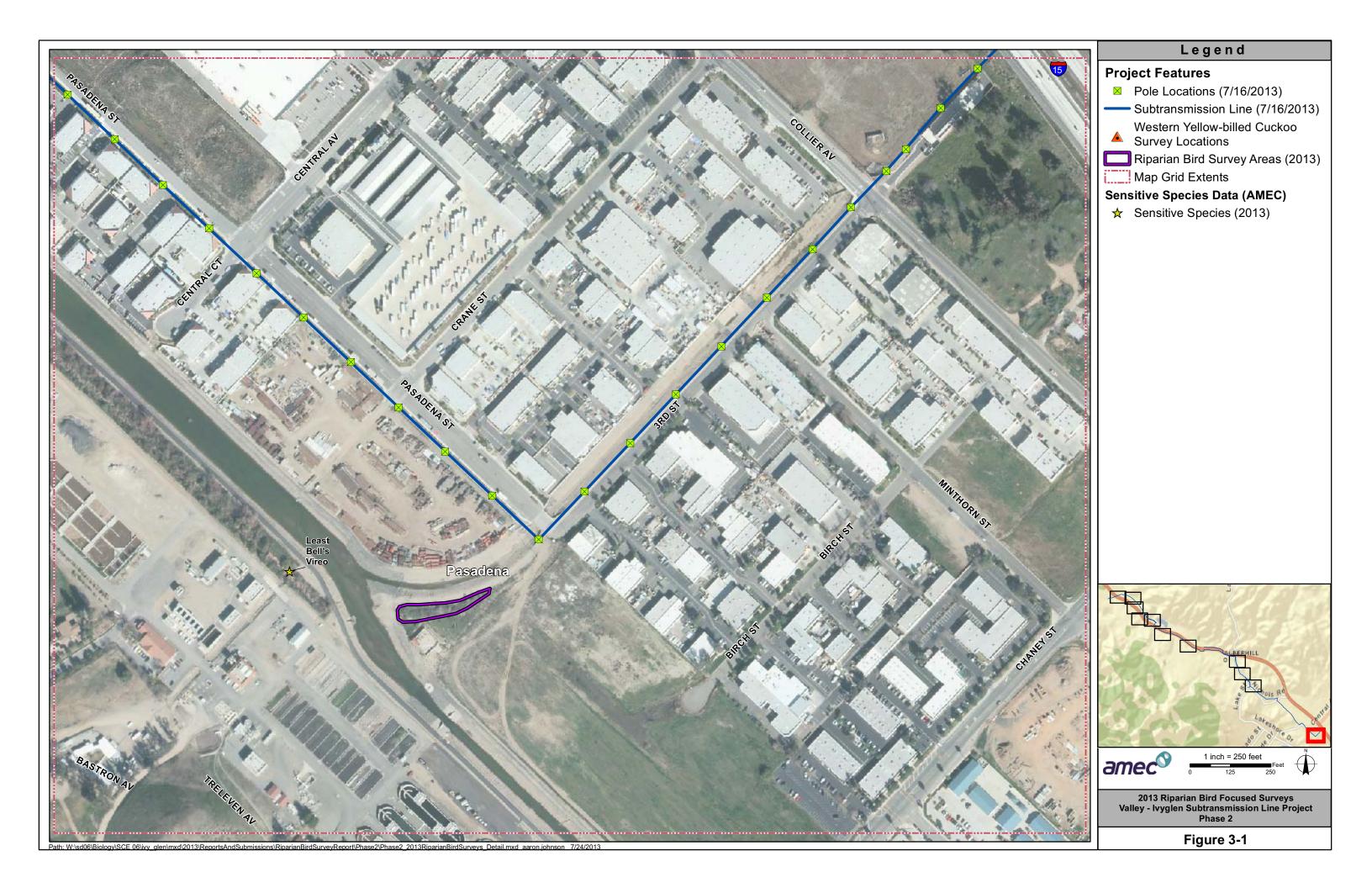


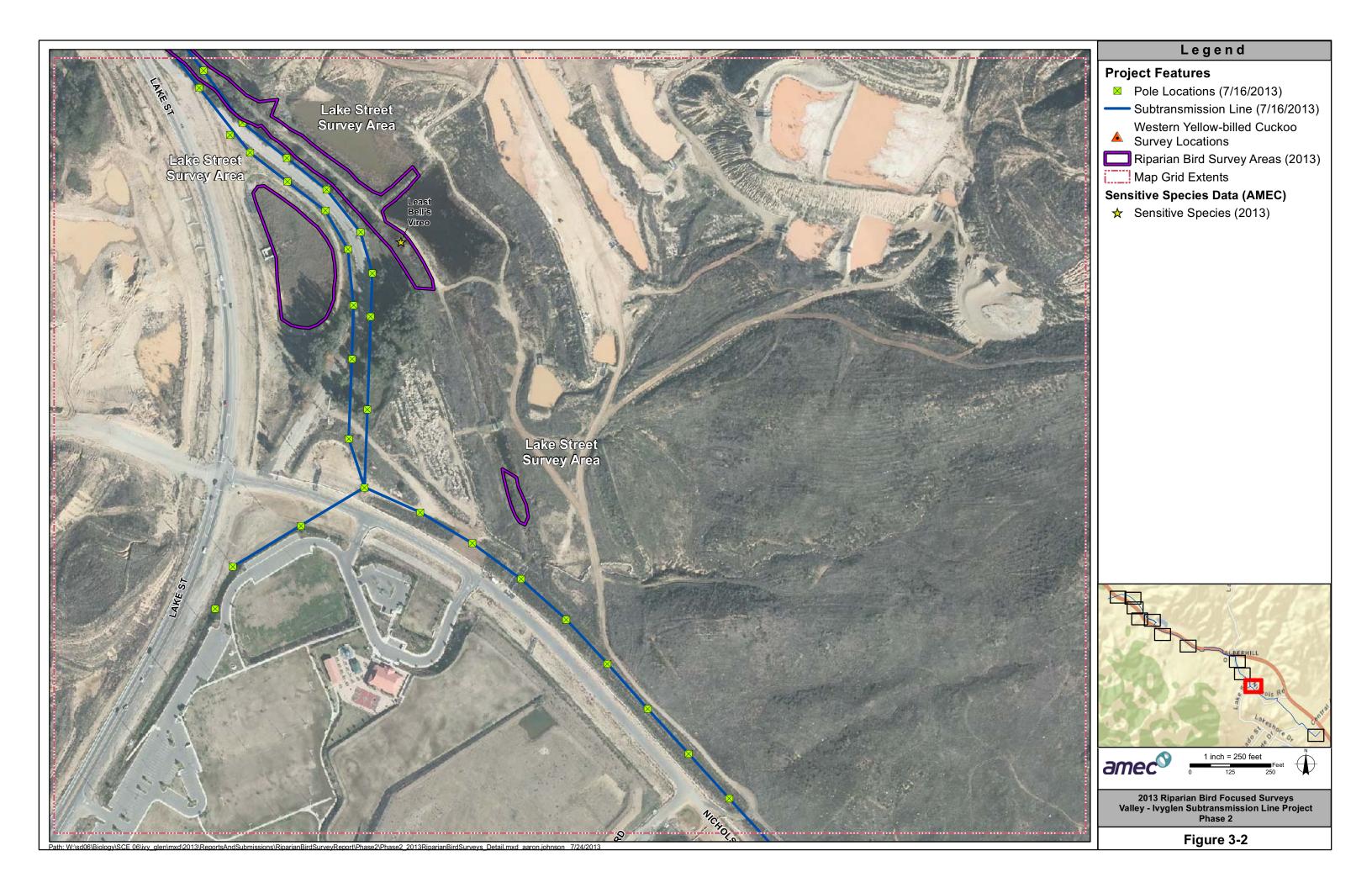


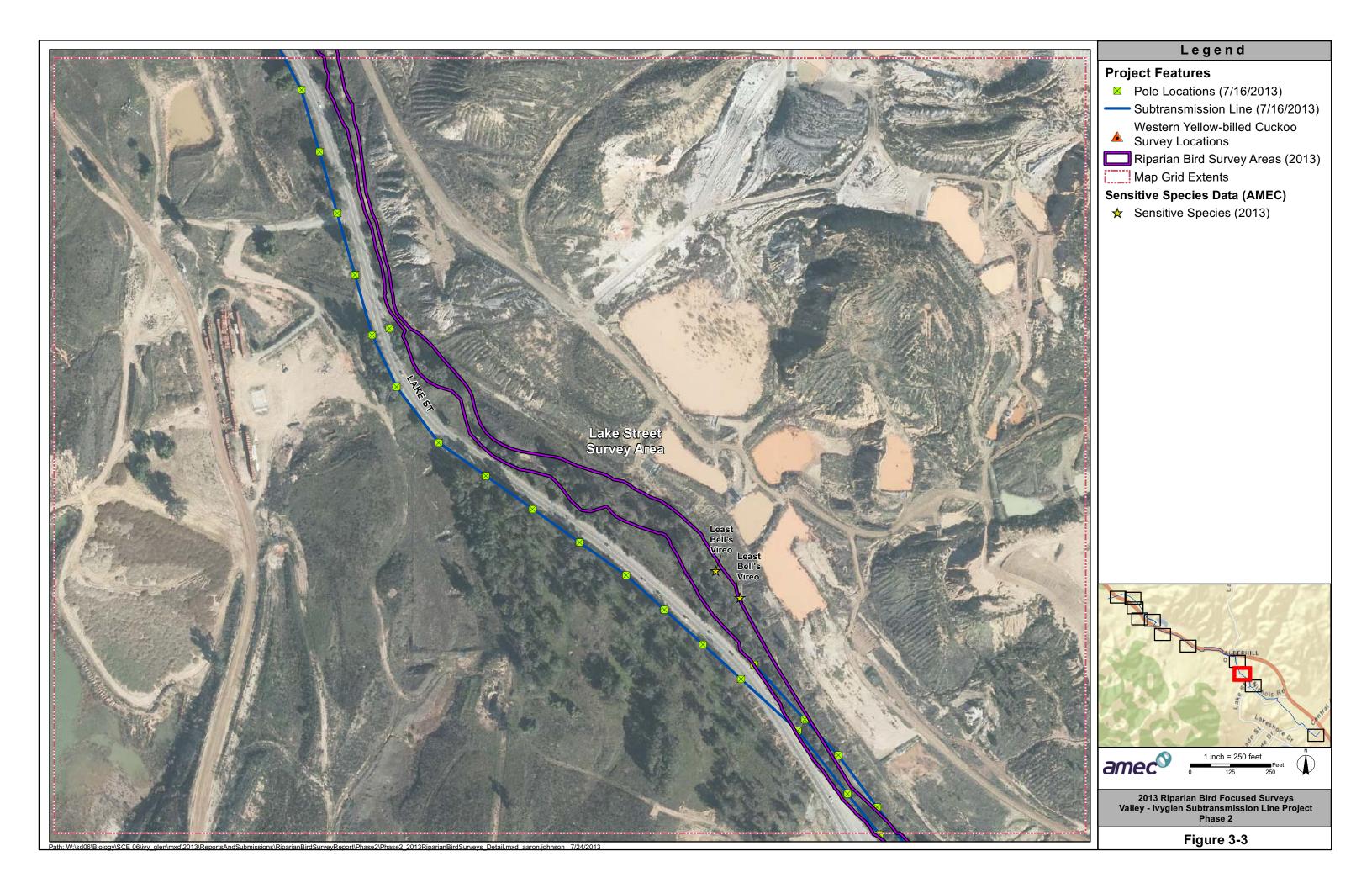
2013 Riparian Bird Focused Surveys Valley-Ivyglen Subtransmission Line Project: Phase 2 Riverside County, CA

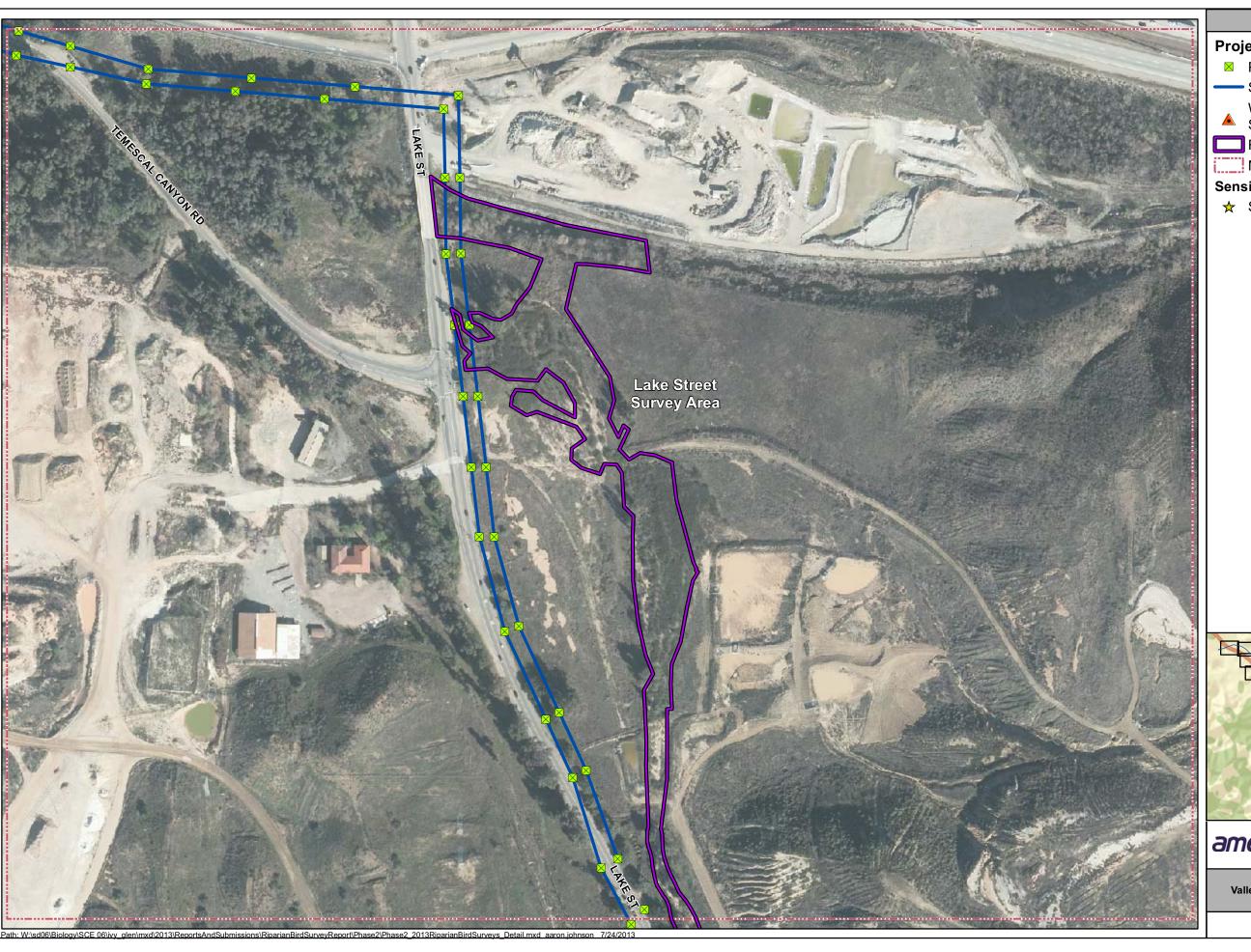












Legend

Project Features

- Pole Locations (7/16/2013)
- Subtransmission Line (7/16/2013)
- Western Yellow-billed Cuckoo Survey Locations
- Riparian Bird Survey Areas (2013)
- Map Grid Extents

Sensitive Species Data (AMEC)

★ Sensitive Species (2013)

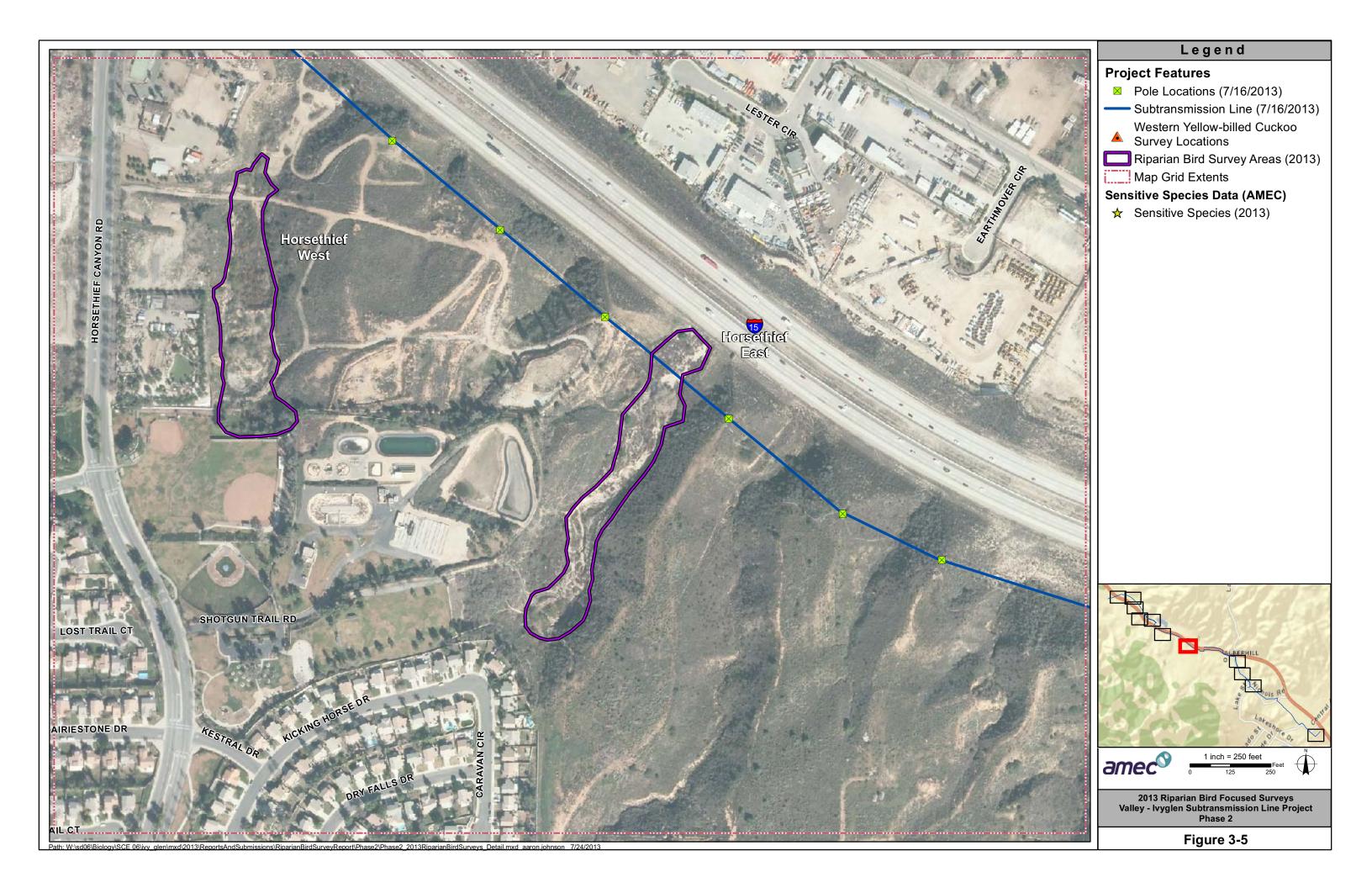


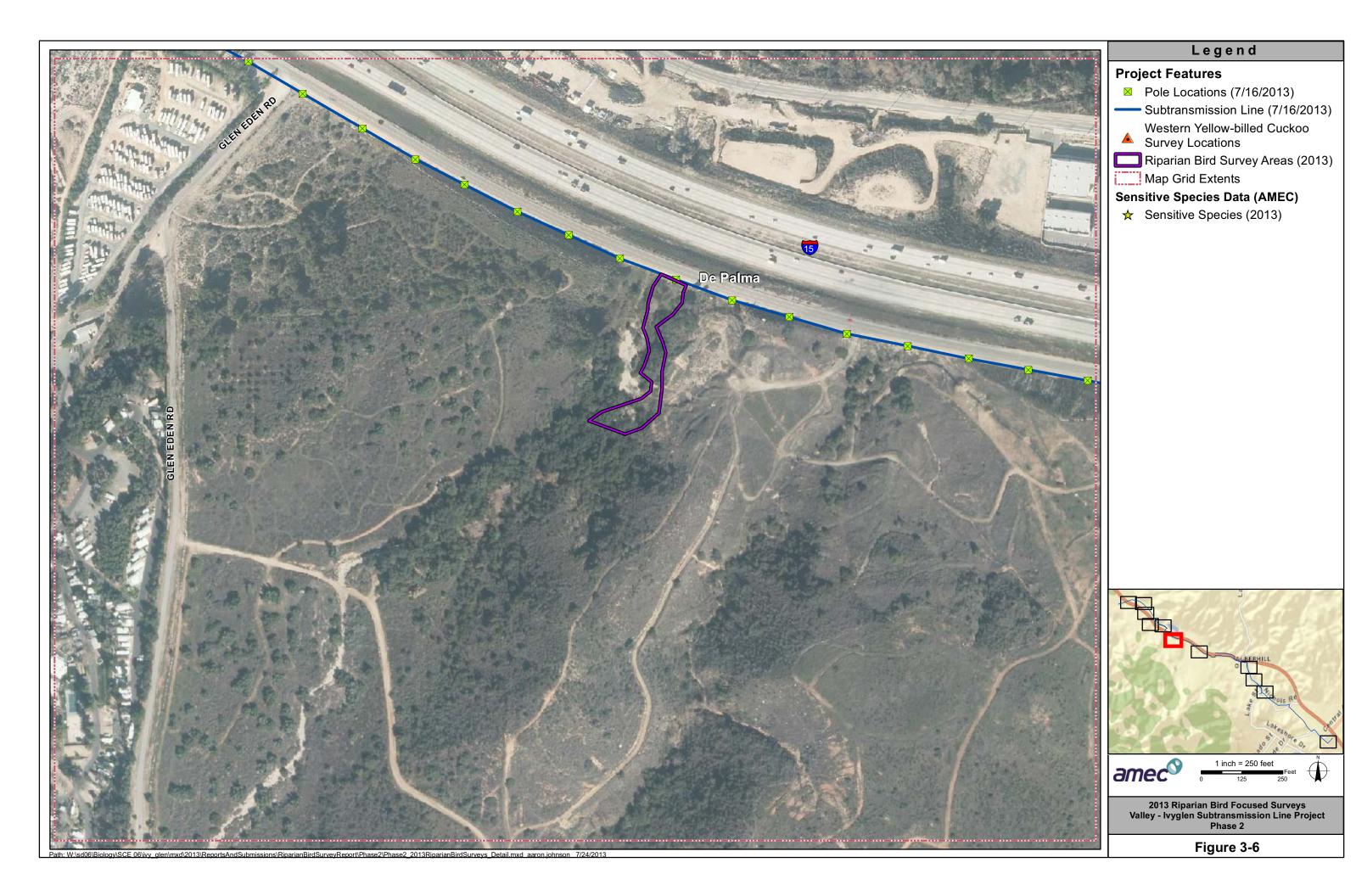


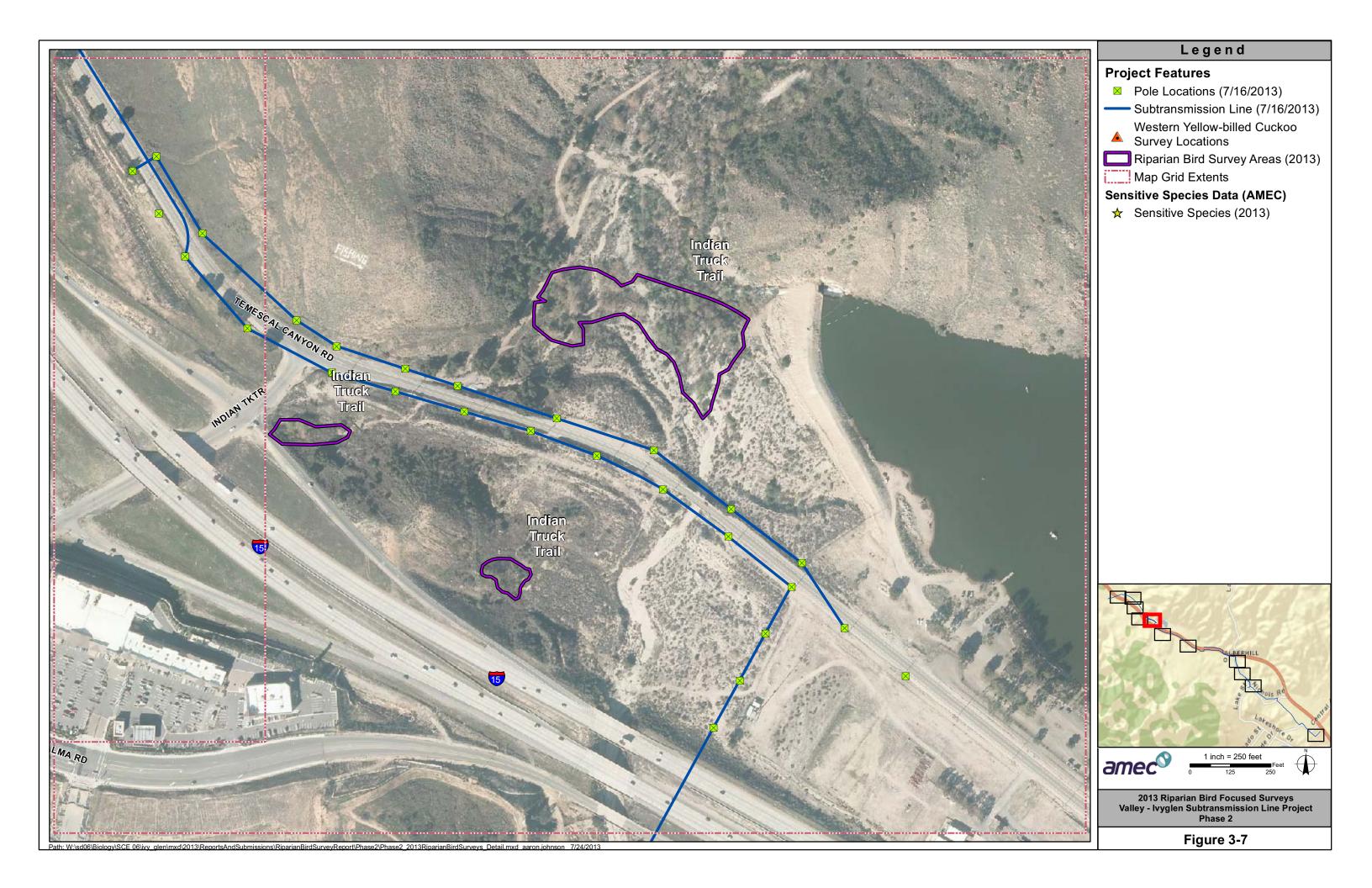


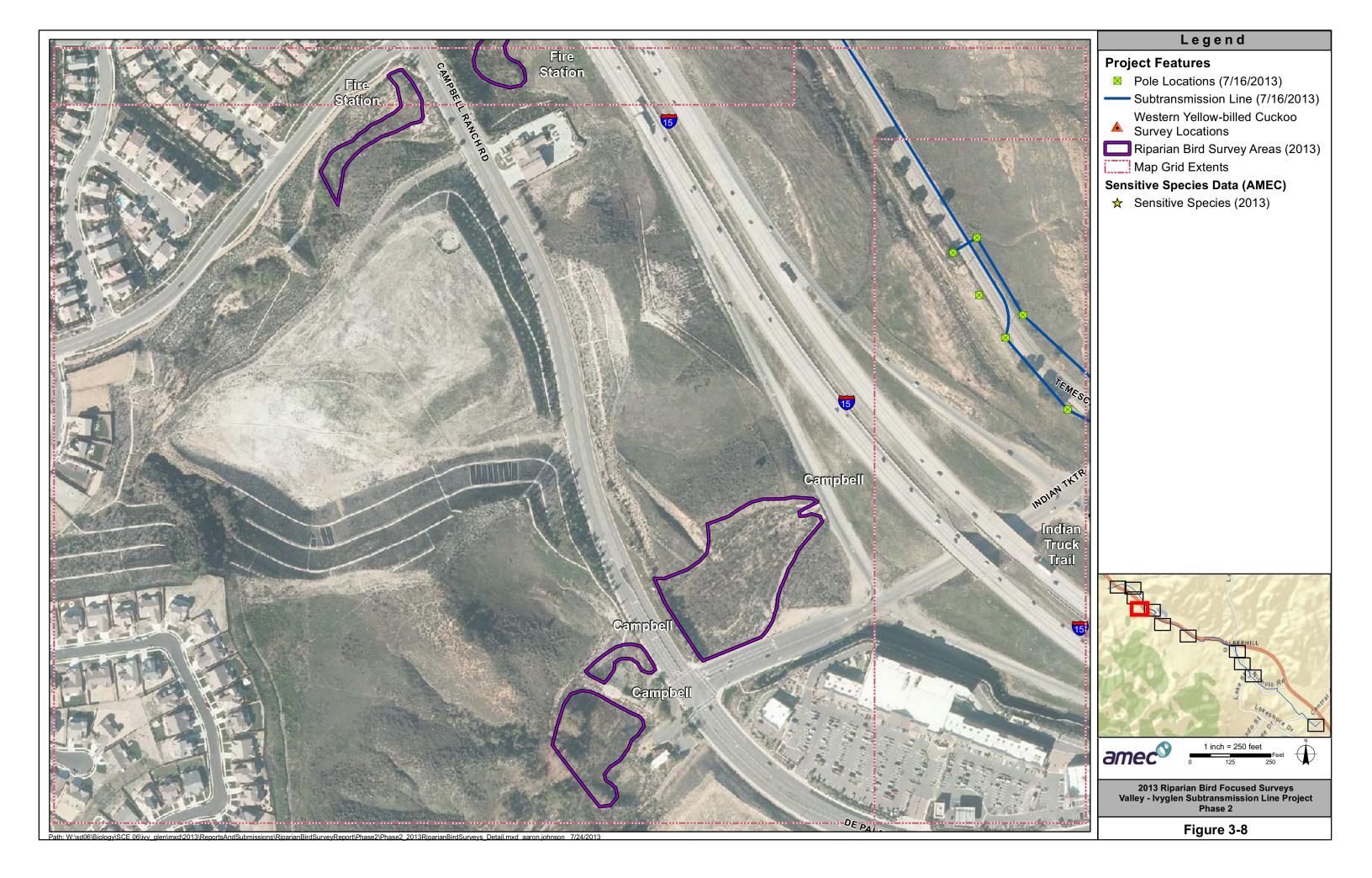
2013 Riparian Bird Focused Surveys Valley - Ivyglen Subtransmission Line Project Phase 2

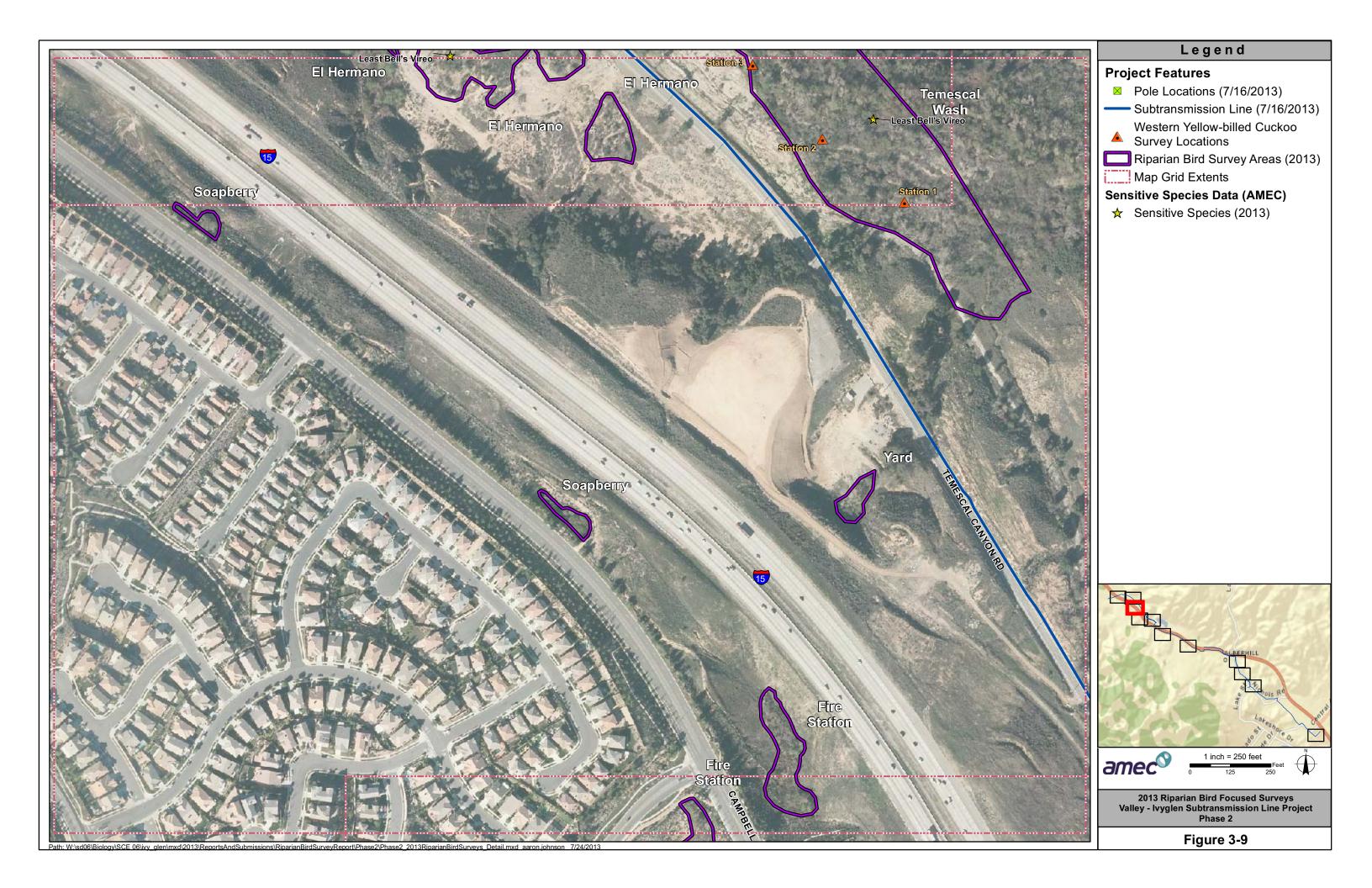
Figure 3-4

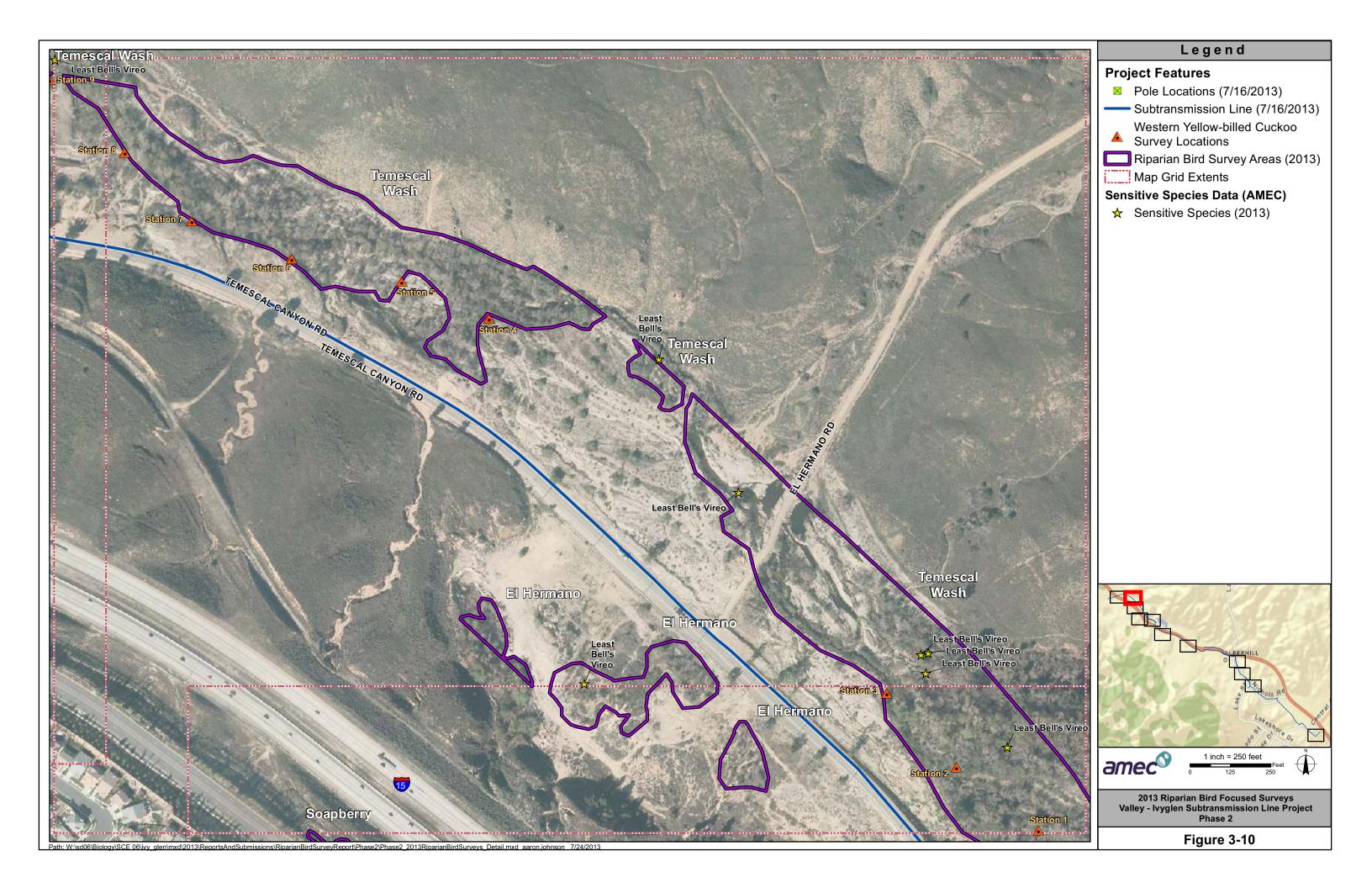


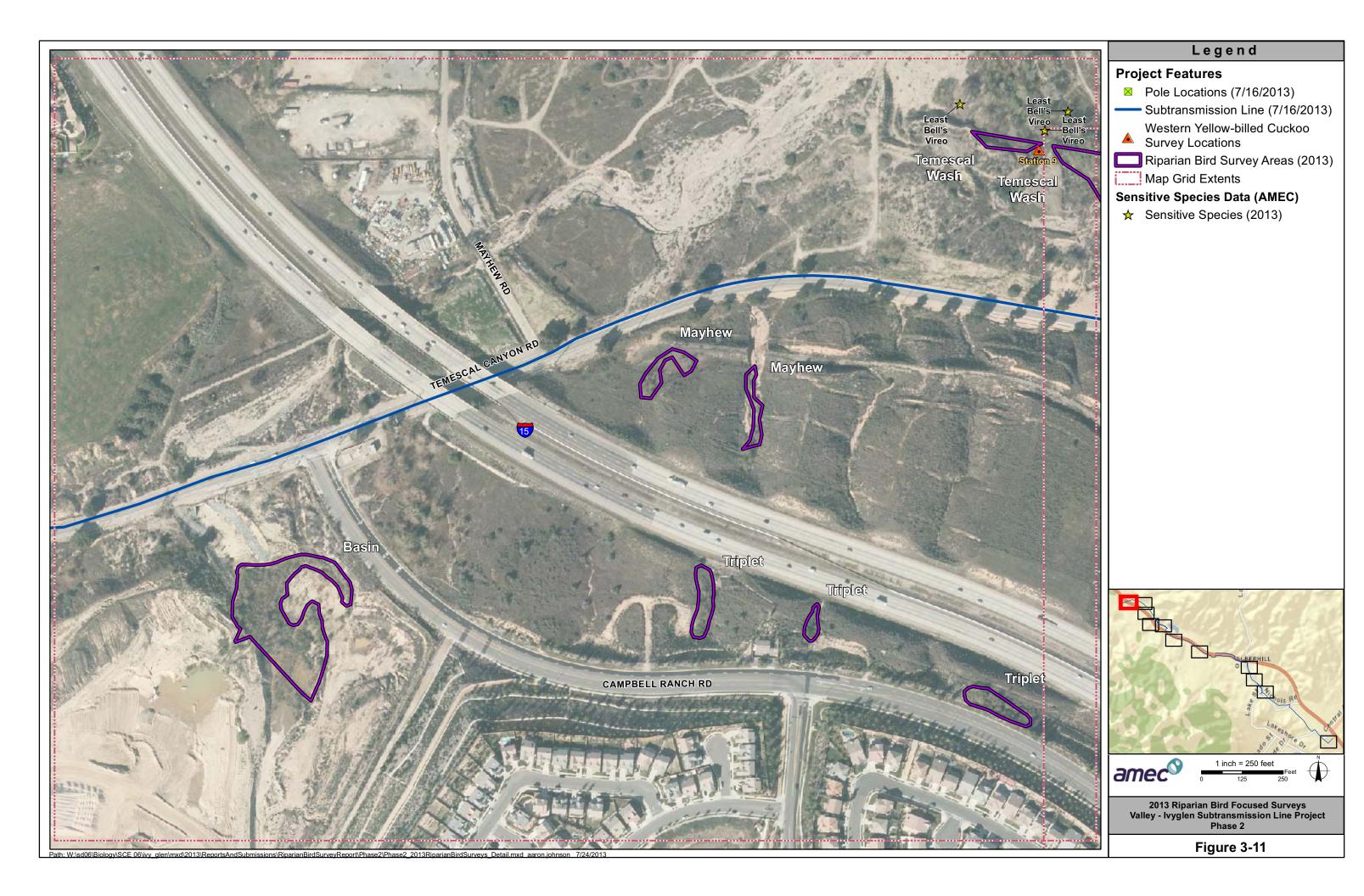












Draft Results of Focused Surveys for the Least Bell's Vireo, Southwestern Willow Flycatcher, and Western Yellow-Billed Cuckoo for the Valley-lvyglen Transmission Line Project, Phase 2 AMEC Project No. 1255400499 September 2013



APPENDIX B SURVEY PHOTOS



Photo 1. The "Pasadena" survey patch.



Photo 2. Part of the northern "Lake Street" survey area, which was surveyed all season.



Photo 3. Part of the southern Lake Street survey area that was surveyed for only the first half of the season (see next photo).



Photo 4. Looking at the same area as the previous photo. Surveys were suspended in this area following discovery of this vegetation removal.

Focused Surveys for Riparian Birds Valley-Ivyglen Transmission Line Project, Phase 2 AMEC Project No. 1255400499 September 2013



Photo 5. Part of the "Horsethief East" drainage.

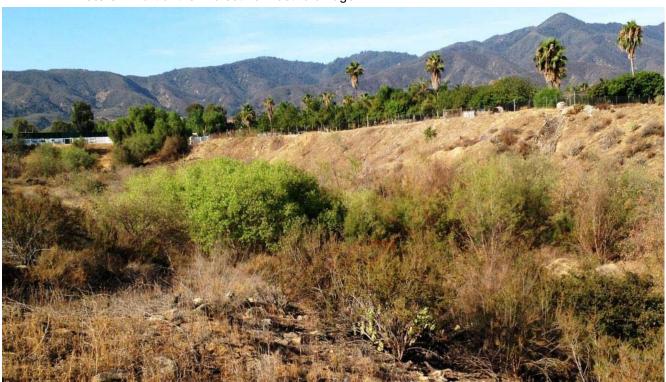


Photo 6. Part of the "Horsethief West" drainage.



Photo 7. Part of the "De Palma" drainage.



Photo 8. South "Indian Truck Trail" patch.



Photo 9. The "Yard" drainage.



Photo 10. Part of the "El Hermano" patches.



Photo 11. Part of the "Mayhew" patches.



Photo 12. Part of the "Campbell" drainage.



Photo 13. Part of the "Fire Station" drainage. Drought stress appearing at right.

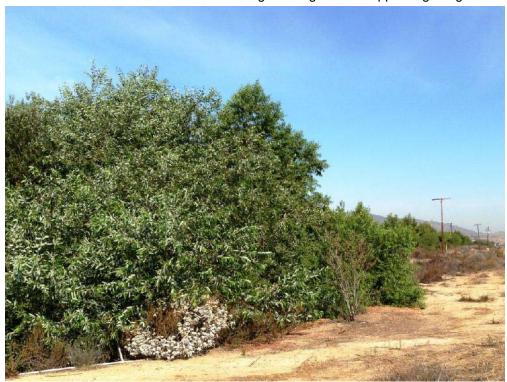


Photo 14. Looking northwest at the "Soapberry" patches.



Photo 15. One of the "Triplet" patches.



Photo 16. Drought stressed "Basin" patch.



Photo 17. Part of the Temescal Wash survey area



Photo 18. Part of the Temescal Wash survey area

Draft Results of Focused Surveys for the Least Bell's Vireo, Southwestern Willow Flycatcher, and Western Yellow-Billed Cuckoo for the Valley-Ivyglen Transmission Line Project, Phase 2 AMEC Project No. 1255400499 September 2013



APPENDIX C SURVEY NOTIFICATION LETTERS

Paymard, Halleh M

Subject: FW: Southwestern Willow Flycatcher Survey Notification VIG

Attachments: SWF Survey Notification.docx; RiparianBirdSurveys2013_Fieldmaps_opt_opt.pdf

From: Green, John F (Riverside)

Sent: Wednesday, May 01, 2013 3:08 PM

To: 'Tharratt, Susie'

Subject: Southwestern Willow Flycatcher Survey Notification VIG

Ms. Tharratt,

Attached is formal notification of Southwestern Willow Flycatcher surveys for Southern California Edison's Valley-Ivyglen (VIG) project. Aerial photos of the survey areas are also attached and topographic map locations are below. Please let me know if you have any questions.

Thank You,

John F. Green Wildlife Biologist AMEC

Environment & Infrastructure 3120 Chicago Ave, Suite 110, Riverside, CA 92507, USA Tel +1 (951) 369 8060, Fax +1 (951) 369 8035 Direct +1 (951) 369 8060 x 104, Mobile +1 (951) 634 9768 john.f.green@amec.com amec.com



U.S. Fish & Wildlife Service Carlsbad Field Office 6010 Hidden Valley Road Carlsbad, CA 92011

ATTN: Susie Tharratt

transmission line project.

RE: Survey Notification for proposed Southern California Edison Valley-Ivyglen

Dear Ms. Tharratt:

This letter serves as AMEC Earth & Environmental, Inc.'s (AMEC) formal notification of our intent to conduct breeding season focused presence-absence surveys for the Southwestern Willow Flycatcher (*Empidonax traillii extimus*). We anticipate that all surveys will be conducted by the following permitted AMEC biologists: John F. Green (TE054011) and Stephen J. Myers (TE-804203) in accordance with U.S. Fish and Wildlife Service Presence/Absence Survey Guidelines.

Southern California Edison plans to build a new transmission lines in this area, so AMEC has been contracted to survey areas in the vicinity of the proposed project to ensure that the project does not impact endangered species. The approximate survey areas and project alignment are shown on the attached maps. The areas to be surveyed are located in the cities of Lake Elsinore, Corona, and Perris in Riverside County, California, and on unincorporated county lands. These areas are found on the U.S.G.S. 7.5 minute Lake Mathews, CA, Lake Elsinore, CA, Romoland, CA and Alberhill, CA quadrangles.

2013 Valley-Ivyglen Riparian Birds Surveys (Three Survey Days)

Survey Day 1: Southeast Survey Area (Project Phases I & II)

- 1. Goldenrod Avenue Outlier consists of a habitat patch north of Goldenrod Avenue. Romoland quadrangle, Section 18, Range 3 West, Township 5 South.
- Alabaster Loop Outlier consists of a habitat patch north of Alabaster Loop and East of Goldenrod Avenue. Romoland quadrangle, Section 18, Range 3 West, Township 5 South.
- 3. Peach Street Outlier consists of two habitat patches bisected by Highway 74. Lake Elsinore quadrangle, Section 21, Range 4 West, Township 5 South.
- 4. Wasson Canyon Outlier consists of two habitat patches bisected by Highway 74. Lake Elsinore quadrangle, Section 21, Range 4 West, Township 5 South.
- 5. Rosetta Canyon Outlier consists of two habitat patches bisected by Highway 74. Lake Elsinore quadrangle, Section 29, Range 4 West, Township 5 South.
- Pasadena Outlier consists of a habitat patch southwest of the intersection of Third and Pasadena Streets. Lake Elsinore quadrangle, Section 31, Range 4 West, Township 5 South.
- 7. Lake Street Survey Area consists of habitat along and south of Temescal Wash and east of Lake Street. Alberhill quadrangle, Sections 15, 22, 27 Range 5 West, Township 5 South.

Survey Day 2: Northwest Survey Area (Project Phase II)

- 1. Horsethief Outliers (East and West) consist of habitat in two canyons southeast of the intersection of Horsethief Canyon and De Palma Roads. Alberhill quadrangle, Section 17, Range 5 West, Township 5 South.
- 2. De Palma Outlier consists of a riparian patch south of De Palma Road and east of Glen Eden Road. Alberhill quadrangle, Sections 7 & 18, Range 5 West, Township 5 South.
- 3. Indian Truck Trail Outliers are habitat patches bisected by Temescal Canyon Road, just southeast of its intersection with Indian Truck Trail. Alberhill & Lake Mathews quadrangles, Sections 7, Range 5 West, Township 5 South and 12, Range 6 West, Township 5 South.
- 4. Yard Outlier consists of a riparian patch southwest of Temescal Canyon Road, approximately 0.25 mile southeast of El Hermano Road. Lake Mathews quadrangle, Section 12, Range 6 West, Township 5 South.
- 5. El Hermano Outliers are riparian patches southwest of the intersection of Temescal Canyon and El Hermano Roads. Lake Mathews quadrangle, Section 1, Range 6 West, Township 5 South.
- 6. Mayhew Outliers consist of two riparian patches southeast of the intersection of Temescal Canyon and Mayhew Roads. Lake Mathews quadrangle, Section 2, Range 6 West, Township 5 South.
- 7. Basin Outlier consists of a riparian patch in a detention basin south of the intersection of Temescal Canyon and Campbell Ranch Roads. Lake Mathews quadrangle, Section 2, Range 6 West, Township 5 South.

Temescal Wash Survey Area (Project Phase II)

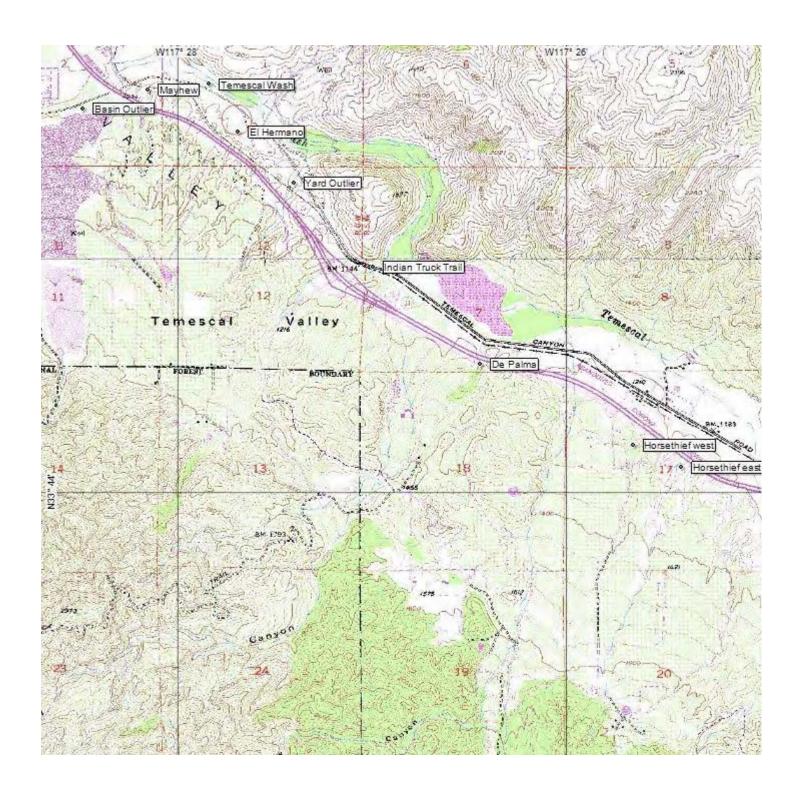
1. The Temescal Wash Survey area follows approximately 4900 feet of quality riparian habitat on the southwest side of Temescal Wash northeast of Temescal Canyon Road from the vicinity of Park Canyon Road to approximately 0.25 mile southeast of El Hermano Road. Lake Mathews quadrangle, Section 1, Range 6 West, Township 5 South.

Please contact me with any questions.

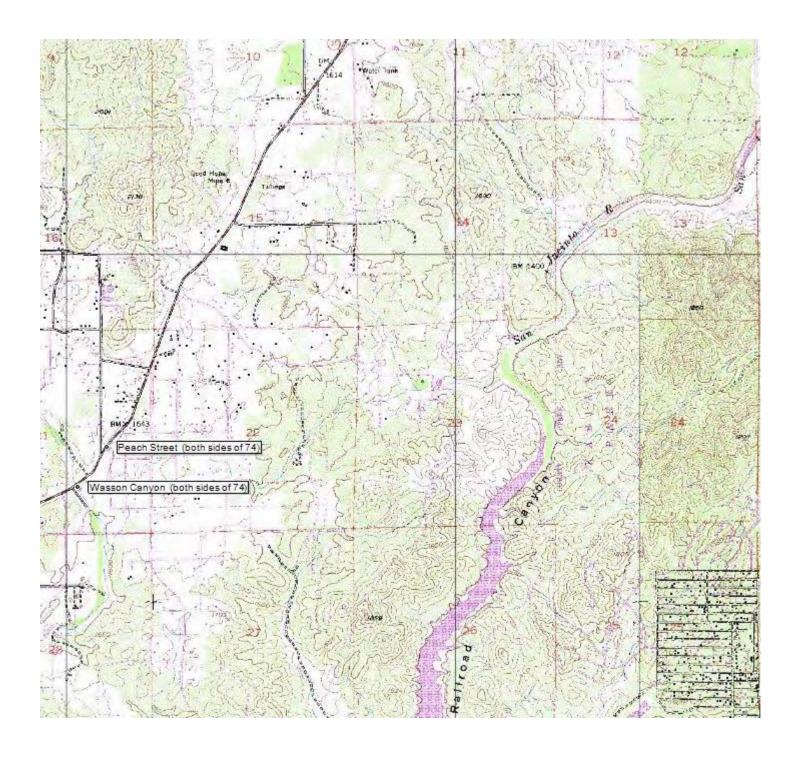
Thank You.

John F. Green Wildlife Biologist AMEC Environment and Infrastructure, Inc. 3120 Chicago Avenue, Suite 110 Riverside, CA 92507

john.f.green@amec.com (951) 369-8060







From: Green, John F (Riverside)
Sent: Friday, May 31, 2013 10:45 AM

To: Tharratt, Susie Cc: Paymard, Halleh M

Subject: Report of Riparian Vegetation Removal

Attachments: BeforeGrading.jpg; AfterGrading.jpg; 032.jpg; 033.jpg; 034.jpg; 035.jpg;

CandC_GradedArea.pdf; USFWS_Notice_RiparianVegRemoval_5-31-13-FINAL.pdf

Ms. Tharratt,

We have suspended one of our riparian bird surveys due to habitat removal. The attachments to this email explain in more detail. I will also forward the original survey notification to you for your convenience if you wish to review.

Attachments:

- PDF: "USFWS Notice..." is a letter explaining the issue in detail.
- Photos 032-035 show areas that were previously riparian bird habitat.
- Photos "BeforeGrading" and "AfterGrading" show a comparison between how it looked before and how it looks now.
- PDF: "CandC GradedArea" is an aerial photo map showing approximate limits of grading and what was impacted.

Please let me know if you have any questions.

Thanks,

John F. Green Wildlife Biologist AMEC

Environment & Infrastructure 3120 Chicago Ave, Suite 110, Riverside, CA 92507, USA Tel +1 (951) 369 8060, Fax +1 (951) 369 8035 Direct +1 (951) 369 8060 x 224, Mobile +1 (951) 634 9768 john.f.green@amec.com amec.com



U.S. Fish and Wildlife Service Carlsbad Field Office 6010 Hidden Valley Road Carlsbad, CA 92011

ATTN: Susie Tharratt

Dear Ms. Tharratt:

On May 1, 2013, I notified you via email that AMEC would be conducting surveys for the Southwestern Willow Flycatcher in appropriate habitat along Southern California Edison's (SCE) proposed Valley-lvyglen (VIG) project. We are also conducting Least Bell's Vireo surveys in these areas. The purpose of this notification is to report some habitat destruction that occurred adjacent to one portion of the VIG project area, and the subsequent decision to suspend further riparian bird surveys in this area.

A portion of the VIG project passes through lands owned by a private development company, Castle and Cooke (C&C). This particular C&C-owned development area is called Alberhill Ranch. In order to be granted access to C&C properties, including Alberhill Ranch, the landowner has required that a representative of their company accompany AMEC biologists during all biological surveys, that all sensitive species detections be shared with the representative in the field, and that all data collected in the field be turned over to the representative within a couple of days following the survey.

AMEC's riparian bird surveys for the VIG project began on C&C properties on April 10 with the first of eight Least Bell's Vireo (LBVI) surveys. The following represents a bulleted summary of riparian bird survey results. Note that results will also be included in the riparian bird survey report (anticipated submittal in late August 2013), in compliance with Permit # TE054011 (John F. Green) and TE-804203 (Stephen J. Myers). Photographs and a map of the area are attached. Note: map reflects revised version from August 2013.

- April 10 (Green) First LBVI Survey: No listed riparian bird species were found.
- April 26 (Green) Second LBV Survey: LBVI male found singing upstream (the southernmost detection mapped on the attached graphic). The vireo male then moved downstream, singing constantly, and was last seen that day singing at the northernmost detection mapped on the attached graphic. Also noted on that date that some vegetation removal, mostly upland, had occurred along a stretch of the stream.
- May 8 (Myers) Third LBVI Survey: LBVI singing near its last known location from April 26th. As Myers moved upstream from there, he encountered areas that had been cleared more substantially than previously noted. However, this was his first visit to the site and he did not realize that what had been cleared were the areas previously been noted as comprising much of the LBV's territory.
- May 20 (Green) Fourth LBVI Survey and First of Five Southwestern Willow Flycatcher (SWFL) Surveys: The extent of the vegetation removal was documented from the north end (downstream) to south end (upstream). Refer to attached graphic. The full survey route was covered, but neither LBVI nor SWFL were detected this day.

The cleared area had also been occupied by numerous other singing birds, including at least one other known sensitive species, the Yellow Warbler. Based on the time of year, it is assumed that nesting activity was also occurring in the area where the riparian vegetation removal occurred.

With the extensive loss of habitat suitable for riparian birds within the C&C (Alberhill Ranch) survey area and because of concern over possible misuse of our results, we are suspending additional riparian bird surveys on C&C lands, effective immediately. AMEC also notified SCE of the riparian vegetation removal and the suspension of additional riparian bird surveys.

If you have any questions regarding this letter or require additional information, please do not hesitate to contact me.

Sincerely.

John F. Green Wildlife Biologist

john.f.green@amec.com

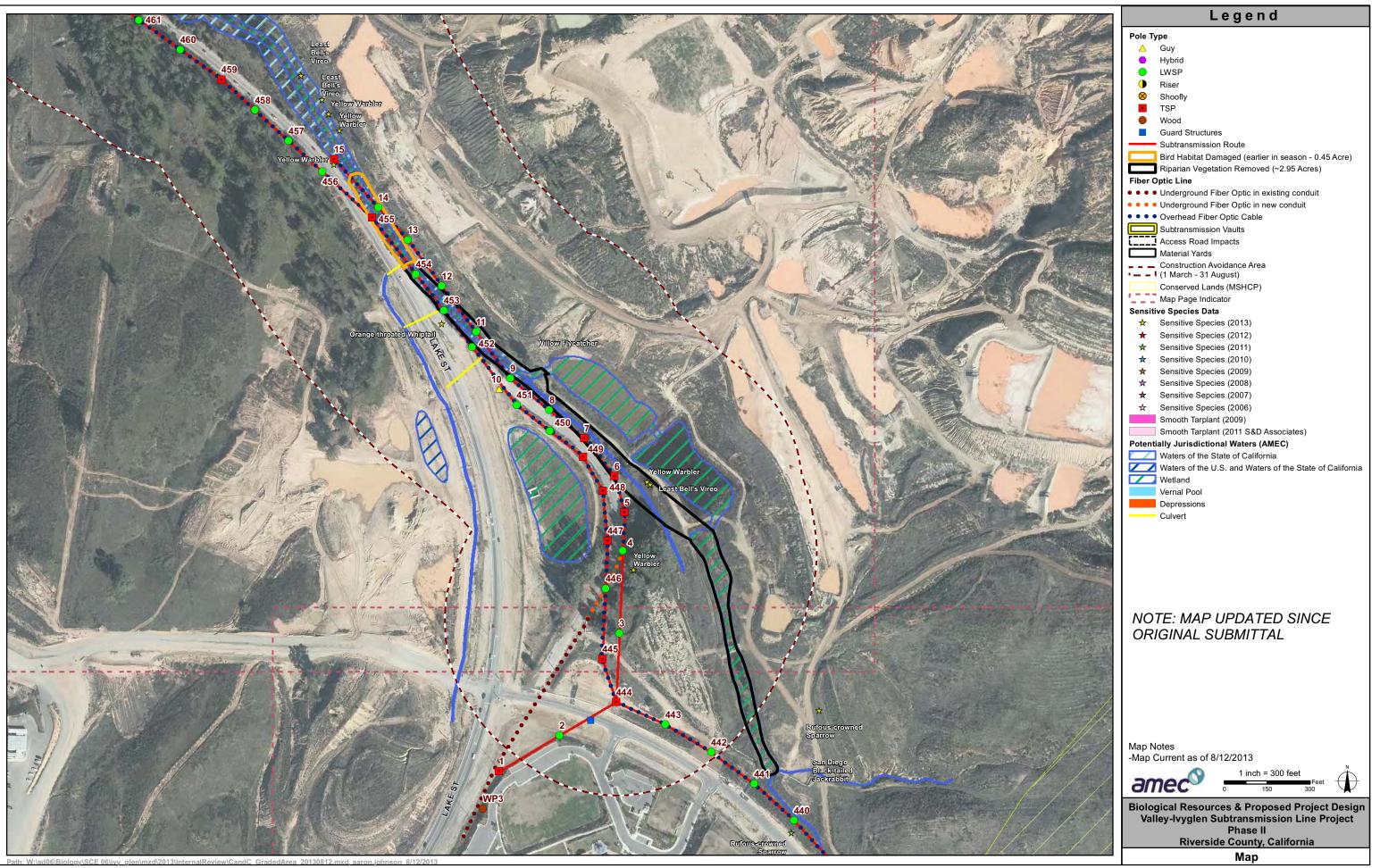




Photo 1. Before grading



Photo 2. After grading



Photo 3. Previously riparian bird habitat

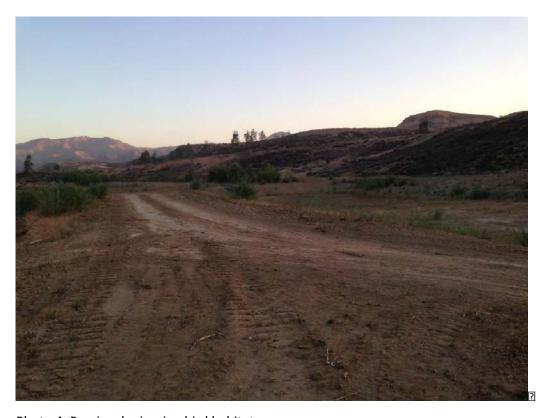


Photo 4. Previously riparian bird habitat



Photo 5. Previously riparian bird habitat



Photo 6. Previously riparian bird habitat

Draft Results of Focused Surveys for the Least Bell's Vireo, Southwestern Willow Flycatcher, and Western Yellow-Billed Cuckoo for the Valley-lvyglen Transmission Line Project, Phase 2 AMEC Project No. 1255400499 September 2013



APPENDIX D SURVEY FORMS

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

Site Name	lallev-T				•	d Detection Form (revise				
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Creek, Rive Is copy	er, Wetland, of USGS m	or Lake N <i>ap marke</i>	Name_ <u>U</u> ed with s	<u>MAM</u> urvey area	and WIFL s	ightings attached (as requ	uired)?		Yes 🗶 No	······································
		_		-		7212 UTM 3981 UTM	•			
If surve	Ste ey coordinate	op: E <u> </u>	d betwee	o / n visits, er	N S Z S	es for each survey in com	Zone _ ments se	ction o	 on back of this	page.
						nation on back of thi				
Survey # Observer(s) (Full Name)	20/3 Date (m/d/y) Survey time	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior, evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). It <i>Diorhabda</i> found, contact USFWS and State WIFL coordinator	(this is individ	an optic uals, pai irvey). I	es for WIFL Detection of the column for do irs, or groups of bit include additional	cumenting rds found on
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(see balow)	Stop 0800 3h, 5m Total hrs		76)	76	/V	(BHCO)				
Survey # 2	Date 7 Jun	• ,				BHCQ in	# Birds	Sex	UTM E	utm n
Observer(s) Stephen	Start 0455	., .			1.0	survey area	-			
MYETS	Stop 0840 34,55 m Total hrs	4	4	4	/ \	,				
804203 Survey # 3	Date 17 Jun						# Birds	Sex	UTM E	UTM N
Observer(s)										
(STEEN	Start 0550 Stop 0830	0	0	0	\mathcal{N}				15	
0 10(1)	2h,40m Total fars				. •					
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· ·	3 h, 50m Total hrs									
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US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

			Green				69-8 <i>0</i> 60
Affiliation	AMEC				E-mai	1 john. f	green @ amec.co
Site Name	Valley - I	Evyglen a previous year?	Phase 2, C	empbell	Date I	Report Comp	. graen @ amec.co. leted 19 August, 2013
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		te name is consist hat name(s) was			ars? Yes/K/	No≘	Not Applicable X
		ear, did you surv			r? Yes	No	If no, summarize below.
		general area durir					If no, summarize below.
		r Survey Area: tity or Owner (e.g	Federal I g., Tonto Nationa	Municipal/Count al Forest)	ý State UnK	Triba	Private
Length of	area surveyed: _	0.37 (kn	n)				
Vegetatio	n Characteristics	: Check (only on	e) category that	best describes th	e predominant	tree/shrub fo	oliar layer at this site:
1	Native broadleaf	plants (entirely o	or almost entirely	y, > 90% native)			
1	Mixed native and	d exotic plants (m	nostly native, 50	- 90% native)			
	Mixed native and	l exotic plants (m	nostly exotic, 50	- 90% exotic)			
F	Exotic/introduce	d plants (entirely	or almost entirel	ly, > 90% exotic)		
Identify th	ne 2-3 predomina	ant tree/shrub spe	cies in order of o	dominance. Use	scientific nam	ies. Salix	Spp., Baccharis sal
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Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

Willow Flycatcher (WIFL) Survey and Detection Form (revised April 2010)

	Inllau-T				-	Detection Form (revised		Val.		
Site Name \(\) USGS Quad	Name L	nke i	natti Matti	heurs,	CA	Kion State CA Count Elevation 32	y <u>Kivi</u> +0	21-51	(mete	ers)
Creek, Rive	r, Wetland,	or Lake N	lame	10000	ne d	ightings attached (as requi			Yes 🗶 No	· · · · · · · · · · · · · · · · · · ·
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If ourse	Ste	op: E 4	57 5	550	N 373	4741 UTM 4513 UTM es for each survey in comm	Zone_	11		
II Sui ve	y coordinate	** F	ill in ac	ditional	site inform	nation on back of this	page	**	on back of this	page.
Survey # Observer(s) (Full Name)	2013 Date (m/d/y) Survey time	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is individu	an optic uals, pa rvey).	es for WIFL Detectional column for do birs, or groups of bi Include additional	cumenting rds found on
Survey # 1 Observer(s)	Date 17 May						# Birds	Sex	UTM E	UTM N
Green	Start 0455	A	A	A	۸/					
(see below)	Stop OSNO 34,5 m Total hrs	•	- 3)	9	10					
Survey # 2	Date 7 Jun					Brown-Herded combind	# Birds	Sex	UTM E	UTM N
Observer(s) Stephen	Start 0455	•			~ /	(BH(O) in survey area				
Myers	Stop 9840	4	4	4	/\/	survey area				
804203	3 h, 55m Total hrs				,					
Survey # 3	Date 175m						# Birds	Sex	UTM E	UTM N
Observer(s)	Start 0550			\[\sigma_{-} \]	. ,					
Green	Stop Q % 30	4	15	0	\sim	Commence and Commence and Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of		10	1 · **	
<u> </u>	2h, 40 m Total hrs									
Survey # 4 Observer(s)	Date 27 Jun	* 3				B400 10	# Birds	Sex	UTME	ÜŢMŅ
	Start 045	a-		2	. /	BHO in surey area	1			
Myers	Stop 0 <i>805</i>	10	4	-0	\mathcal{N}	7				
/	Total hrs_									÷
Survey # 5 Observer(s)	Date 9 Jul			·			# Birds	Sex	UTM E	UTM N
	Start 0530	2	a	A	۱ /۸					
Groen	Stop 0 800				/ V					
	Total hrs 5									
Overall Site Sun Totals do not equal each column. Includ resident adults. Do	the sum of e only	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Wara any Willow Elypatal	2000 00	lov bo	ndad? Vaa	No
migrants, nestlings, fledglings.	3					Were any Willow Flycatch				No
See Corvir Be careful not to do individuals.		0	0	0	0	If yes, report color combin section on back of form an				'YA
Total Survey Hrs	16	·								
Reporting In				reen		_ Date Report Completed_		Au	guist 2013	<u> </u>
US Fish and						State Wildlife Agency Poby September 1st. Retain a	ermit #	SC or voi	-001951 ·	attachme

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Affiliation AMEC Site Name Valley - Tvyglen Phase 2, Fire Station Was this site surveyed in a previous year? Wow No W Unknown Did you verify that this site name is consistent with that used in previous years? If site name is different, what name(s) was used in the past?	E-mail john. F. green @ arnec.con Date Report Completed 19 higust, 2013
Did you verify that this site name is consistent with that used in previous years? If site name is different, what name(s) was used in the past?	Date Report Completed 19 hugust 2013
Did you verify that this site name is consistent with that used in previous years? If site name is different, what name(s) was used in the past?	
If site name is different, what name(s) was used in the past?	
	Yes Mo Not Applicable
If site was surveyed last year, did you survey the same general area this year?	Yes No If no, summarize below.
Did you survey the same general area during each visit to this site this year?	Yes No If no, summarize below.
, , , , , , , , , , , , , , , , , , ,	Too It is, summaribe selevy.
Management Authority for Survey Area: Federal Municipal/County	State Tribal Private
Name of Management Entity or Owner (e.g., Tonto National Forest)	Unknown
Length of area surveyed: 0.37 (km)	
Vegetation Characteristics: Check (only one) category that best describes the pre	adaminant trace/ahmih falian lawan at this site.
vegetation characteristics. Check (only one) category that best describes the pre	edominant tree/struo tonar tayer at this site:
Native broadleaf plants (entirely or almost entirely, > 90% native)	
1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Mixed native and exotic plants (mostly native, 50 - 90% native)	
Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)	
Exotic/introduced plants (entirely or almost entirely, > 90% exotic)	
Identify the 2-3 predominant tree/shrub species in order of dominance. Use scient	entific names. Salix son Raccharic - 1
* -	541/2
7	
Average height of canopy (Do not include a range):	(meters)
Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) o WIFL detections; 2) sketch or aerial photo showing site location, patch shape, sur	of survey area, outlining survey site and location of
WIFL detections; 2) sketch or aerial photo showing site location, patch shape, surnests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Comments (such as start and end coordinates of survey area if changed among survey area in changed among survey area.	Describe any unique habitat features in Comments.
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Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

Site Name	Valley-T					d Detection Form (revised				A
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Survey# Observer(s) (Full Name)	2013 Date (m/d/y) Survey time	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> found, contact USFWS and State WIFL coordinator	(this is individ	an optio uals, pai rvey). I	es for WIFL Dete mal column for do rs, or groups of b nclude additional	ocumenting irds found on
Survey # 1 Observer(s) Green (see below)	Start 0455 Stop 0800 34,5m Total hrs	0	0	0	\sim		# Birds	Sex	UTM E	UTM N
Survey # 2 Observer(s) Stephen Myers IE 804203	Date 7 Jun Start 0445 Stop 0840 34, 55 m Total hrs	-D	0	-0	N	Brown-headed Cowbid (BHCO) in SULVEY OSEO	# Birds	Sex	UTM E	UTM N
Survey # 3 Observer(s)	Date 17 Jun Start 0550 Stop 0830 24, 40m Total hrs_	0	0	0	N	2.548.00	# Birds	Sex	UTM E	UTM N
Survey # 4 Observer(s)	Date 27 Jun Start 0415 Stop 0805 3h, 50 m Total hrs	0	A	0		BHCO in survey area	# Birds	Sex	UTM E	UTM N
Survey # 5 Observer(s)	Date 9 Jul Start 0 5 30 Stop 0 8 00 2 5 Total hrs_	Þ	D	0	\vee		# Birds	Sex	UTM E	UTM N
Overall Site Sur Totals do not equal each column. Include resident adults. Do migrants, nestlings, fledglings.	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatel				_No
See Corner Be careful not to do individuals. Total Survey Hrs	nent uble count	0	0	Ð	0	If yes, report color combir section on back of form ar				' YA

Reporting Individual John F. Green

US Fish and Wildlife Service Permit # TE054011

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

	g Individual <u>) a</u> n AMEC	ohn F.	Green		Pho	ione # 951-369-8060
Site Nam	e Valley - I	Evyglen F previous year?	hase 2, so	apbeny	Da	mail john. f. green @ amec.com ate Report Completed 19 higust, 2013
Was this: Did you y	site surveyed in a verify that this sit	prévious year?	ent with that used	Unknown Lin previous ve	\$1,500.00	No Not Applicable ×
If site nar	ne is different, w	hat name(s) was i	used in the past?_			
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Managem Name of l	ent Authority for Management Ent	r Survey Area: ity or Owner (e.g	Federal M., Tonto National	funicipal/Coun Forest)	tySta	tate Tribal Private
Length of	area surveyed: _	0,55 (km)			
Vegetatio	n Characteristics	: Check (only one	e) category that b	est describes th	ne predomin	nant tree/shrub foliar layer at this site:
	Native broadleaf	plants (entirely o	r almost entirely,	, > 90% native)		
		l exotic plants (m	-			
	Mixed native and	l exotic plants (m	ostly exotic, 50 -	90% exotic)		
		d plants (entirely			•	
Identify th	ne 2-3 predomina	nt tree/shrub spec	cies in order of d	ominance. Use	scientific r	names. Salix Spp., Baccharis salicifoli
Average h	neight of canopy	(Do not include a	range):	5		(meters)
WIFL det	ections; 2) sketch	n or aerial photo s	howing site locat	ion, patch shap	e, survey ro	rey area, outlining survey site and location of oute, location of any detected WIFLs or their ibe any unique habitat features in Comments.
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Carr	npbell 1	Ranch	CUNVEY	1011	29)	
Territory S	Summary Table.	Provide the follo	wing information	n for each verif	ied territory	y at your site.
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)
			·			
n îşa ya veri					A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMMON TO SERVICE AND A COMM	

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

	Site Name	Valley-T	vyaler	2 Phas	2. 7	Triplet	State CA Count	Riv	رکسرم	de	, • *
	USGS Quad	l Name	ike i	Matho	evis, C	A	State CA Count	540	J, J.	(met	ers)
		er, Wetland, of USGS m					ightings attached (as requ	irad)?		Yes 🗶 N	<i>'o</i>
	Survey Coo	ordinates: St	art: E <u>4</u> 9	36844 3656	f- 7	N 3735	UTM 471 UTM es for each survey in comm	Datum Zone	NAD:	2 7 (See instruc	ctions)
							nation on back of this				- Page.
	Survey# Observer(s) (Full Name)	2013 Date (m/d/y) Survey time PST	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is individ	an optio uals, pa rvey).	tes for WIFL Dete onal column for d irs, or groups of b Include additiona	ocumenting oirds found o
	Survey # 1 Observer(s)	Date 17 May						# Birds	Sex	UTM E	UTM ?
	Green	Start OFG 5	A	a	A	^/					
	(see below)	Stop 0800 3h, 5m Total hrs		74)	76						
	Survey # 2 Observer(s) STEPHEN	Date 7 Jun Start 0445		~	0	N. (Brown herder Combina (BHG) in Survey orea	# Birds	Sex	UTM E	UTM
	Myers TE 804203	Stop 0840 3h, 55m Total hrs	4	4	-6	/ \					
	Survey # 3 Observer(s)	Date / 7 Jun						# Birds	Sex	UTM E	UTM)
	Green	Start 9550 Stop 9830 24, 40m Total hrs	0	D	0	N			:		
	Survey # 4	Date 27 Jun	12	• •		rei (segi	Ruco	# Birds	Sex	UTM E	ÜŢŅ
	Observer(s)	Start 0415				,	BHCO in .				
	Myers	Stop 0805 3h, 59m Total hrs	0	4	4	N 1					
Ì	Survey # 5	Date 9 Jul						# Birds	Sex	UTM E	UTM
	Observer(s)	Start Q 5 30 Stop 0 800 2.5	Ø	D	0	\mathcal{N}					
	Overall Site Sur Totals do not equal each column. Includ resident adults. Do migrants, nestlings,	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate	hers co	lor-ba	nded? Yes	_No
	fledglings. Sec Corner Be careful not to do individuals.	nents	0	Q	Ð	0	If yes, report color combin section on back of form an				NA

Reporting Individual John F. Green

US Fish and Wildlife Service Permit # TE054011

State Wildlife Agency Permit # SC-001951 a Hack ment

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

If site name is different, what name(s) was used in the past? If site was surveyed last year, did you survey the same general area this year? Did you survey the same general area during each visit to this site this year? Management Authority for Survey Area: Federal Municipal/County State Tribal Private Name of Management Entity or Owner (e.g., Tonto National Forest) Unknown Length of area surveyed: (km)
Name of Management Entity or Owner (e.g., Tonto National Forest)
Length of area surveyed: 0.32 (km)
Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site:
Native broadleaf plants (entirely or almost entirely, > 90% native)
Mixed native and exotic plants (mostly native, 50 - 90% native)
Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)
Exotic/introduced plants (entirely or almost entirely, > 90% exotic)
Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix Spp., Backharis salicifoli.
Average height of canopy (Do not include a range): (meters)
Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments. Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat
features. Attach additional sheets if necessary. Survey times are for full marning, including visits to other patches.
comple! (Kench Survey area)
Territory Summary Table. Provide the following information for each verified territory at your site.
Territory All Dates UTM E UTM N Pair Nest Description of How You Confirmed
Number Detected Confirmed? Found? Territory and Breeding Status Y or N Y or N (e.g., vocalization type, pair interactions, nesting attempts, behavior)
Attach additional sheets if necessary

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

			Willow	Flycate	her (WIF)	L) Survey an	d Detection Form (revised	l April	2010)		
Site	Name_	lalley-I	vygler	n, Phas	e 2, 5	Pasin	State CA Count Elevation 320	y Riv	9-51	de	
USC	S Quad	l Name <u>La</u> r, Wetland, o	or Lake N	Jame F	s, CA		Elevation 320			(met	ers)
	Is copy	of USGS m	ap mark	ed with s	urvey area		ightings attached (as requ			Yes_X N	
Surv	ey Coo If surve	rdinates: Sta Sta sy coordinate	art: E <u>45</u> op: E <u>4</u> es change	6186 5626 d betwee	7 ラ子 en visits, er	N 3 7 3 5 N 3 7 3 5 nter coordinate	UTM UTM UTM es for each survey in comm	Datum Zone _ ients se	VAD 2 11 ction o	27(See instruction back of this	etions) s page.
Γ			** F	ill in a	dditiona.	l site inforn	nation on back of this	page	**		
Surve Observ (Full N	er(s)	2013 Date (m/d/y) Survey time PST	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is individu	an optic ials, pai rvey). I	es for WIFL Dete onal column for d irs, or groups of b Include additional	ocumenting oirds found o
Survey #		Date 17 May						# Birds	Sex	UTM E	UTM N
Gree	,	Start 0455 Stop 0800 34,5 m Total hrs	0	0	0	\sim					
Survey #	2						Brown-headed Cowbid	# Birds	Sex	UTM E	UTM
Observer(s 5 teph Myer TE	en	Start 0445 Stop 0940 34, 55 m Total hrs	A	0	0	N	(BH(O) in survey area				
804-20 Survey #		Total hrs									
Observer(s)	Date 7 Jun Start 0 5 5 0 Stop 0 8 3 0 2 1	0	D	0	N		#Birds	Sex	UTM E	UTM
Survey #		Date 27 Jun		• ,		n in sugari	123 B. 1954 - 194	`# Birds	Sex	UTM E	UŢM
Observer(s		Start 0415 Stop 0805 3h, 50m Total hrs	0	0	0	\mathcal{N}	BHCO in survey area				
Survey #		Date 9Jn1						# Birds	Sex	UTM E	UTM
Gra		Start 0530 Stop 0800 2.5 Total hrs	D	D	0	N					
Overall S Totals do n each colum resident admigrants, n	ot equal n. Includ ults. Do	the sum of e only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate	hers co	lor-ba	nded? Yes	No
fledglings. See careful individuals	not to do	ents	0	0	Ð	0	If yes, report color combin section on back of form ar				N/A

US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # Sc-001951 attack ment

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. Submit form by September I^{st} . Retain a copy for your records.

Reporting	ر Individual <u>ر</u>	ohn F.	Green		Pho	ne# 951 - 3	369-8060	
Affiliation	AMEC				E-n	nail johm. 7	r. græn @ amec.co.	n
Site Name	·Valley - I	cuyglen F	Phase 2, B	asin	Dat	e Report Com	pleted 19 August 2013	
Was this	site survéved in a	previous year?	Yes No	Unknown	\$4.38 cm	a professional		
Did you v	erify that this sit	e name is consist	ent with that used	d in previous ye	ears?Yes	No	Not Applicable	
		hat name(s) was						
		ear, did you surve			ır? Yes 👱	→ No	If no, summarize below.	
Did you s	urvey the same g	eneral area durin	g each visit to th	is site this year'	? Yes	✓ No	_ If no, summarize below.	
* large	er than la	ist year						
	ent Authority for		Federal N	Iunicipal/Coun	ty Sta	te Trib	oal Private	
Name of I	Management Ent	ity or Owner (e.g	., Tonto National	Forest)	un	Known		
Length of	area surveyed: _	0.21 (km	n)					
Vegetatio	n Characteristics	: Check (only one	e) category that b	est describes th	ne predomina	ant tree/shrub	foliar layer at this site:	
	Native broadleaf	plants (entirely o	r almost entirely.	, > 90% native)	ı			
		l exotic plants (m	·					
		l exotic plants (m						
		- `		•	,			
		l plants (entirely	· ·		•	Tarr	narix ramosissimi	
Identify th	ne 2-3 predomina	nt tree/shruh snee	ries in order of d	ominance Use	scientific n	ames Salin	Spp., Backharis sal	<i>ب</i> ر ر
racinary a	ie 2 5 predomma	int tree/sin do spe	cies in order or a	ommance. Osc	scientific in	anics. Jai/x	. opp., backmaris sal	10
Average h	eight of canopy	(Do not include a	range):	5		(meters)		
WIFL dete	ections; 2) sketch	or aerial photo s	howing site locat	tion, patch shap	e, survey rou	ite, location o	ng survey site and location of f any detected WIFLs or their habitat features in Comments.	
посто, э / р	notos of the mior	ior or the paten, e		on, and overall	Site. Descrit	c any unique	naortat leatures in Comments.	
Comments	s (such as start ar	nd end coordinate	es of survey area	if changed amo	no survevs	supplemental	visits to sites, unique habitat	
features.	Attach additional	sheets if necessa	irv.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	supprementar	visito to sitos, amque masitat	
Survey	times .	are for	Full Mar	ning, inc	Inding 1	risits to	o other patches.	
				<i>J</i>			<u> </u>	
7.	1 1/			1				
TLA	rnpbell	-> WVCY	Mea)				
			.,	/			1	
Territory S	Summary Table.	Provide the follo	wing information	n for each verif	ied territory	at your site.		
Territory	All Dates	UTM E	UTM N	Pair	Nest	Descripti	ion of How You Confirmed	
Number	Detected	OIME	OTIVITY	Confirmed?	Found?		ory and Breeding Status	
Tiumoor	Bettetted			Y or N	Y or N		ization type, pair interactions,	
		·		1 01 10	1 01 14		ng attempts, behavior)	
						Hesti	ng attempts, benavior)	
				4				
	ing film				Name of the second			_
Trans.		1.4			\$ 4.7.1°			
	litional sheets if	200000000		·	L			

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\$358. J. T.							d Detection Form (revised	20 °07 €0			*
	Site Name USGS Quad	Valley-I d Name <u>La</u> er, Wetland,	vygler oke 10 or Lake 1	n, Phase Nalher Name Ti	e de Te	cal W	State CA Count Elevation 3/6	y Riv	er-si	de (mete	rs)
	Is copy	of USGS m	ap mark	ed with si	urvey area	and WIFL s	ightings attached (as requi	-		Yes_X No	 -
	Survey Coo	ordinates: St St	art: E <u> 4 </u>	5683 5799	50	N 373!	5923 UTM 5146 UTM	Datum Zone _	NAD2	7 (See instruct	ions)
	If surve	ey coordinate	es change	d betwee	n visits, er	nter coordinat	es for each survey in comm nation on back of this	ients se	ction c	on back of this	page.
	Survey # Observer(s) (Full Name)	2013 Date (m/d/y) Survey time PST	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	GPS Co (this is individ	oordinate an option uals, pain rvey). In	es for WIFL Detectional column for do rs, or groups of bi- nclude additional	cumenting rds found on
;	Survey # 1 Observer(s) Stephen Myers 7E 804203	Date/5 May Start 0455 Stop 09/0 4.254 Total hrs	0	0	0	N	Brown-headed cowbird x 1 (BHCO)	# Birds	Sex	UTM E	UTM N
, * jek	Survey # 2 Observer(s) Green (see below)	Date 3 Jun Start 0 700 Stop 1000 Total hrs 3	0	0	4	N	BHCO juvenik X I	# Birds	Sex	UTM E	UTM N
	Survey # 3 Observer(s) MyCTS	Date 17 Jnn Start 0425 Stop 0910 4, 75 Total hrs	0	0	0	Ν		# Birds	Sex	UTM E	UTM N
* *	Survey # 4 Observer(s) Myers	Date Jul Start 9470 Stop 0830 4h, 10 m Total lirs	0	Þ	4		BHCOXI	# Birds	Sex	UTM E	UIMN
	Observer(s)	Date/S Ju/ Start OS/5 Stop 0905 3 M 50m Total hrs	0	D	0	\vee	BHCO × 3	# Birds	Sex	UTM E	UTM N
	Overall Site Sur Totals do not equal each column. Includ resident adults. Do migrants, nestlings, fledglings.	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatel				No
	Be careful not to do individuals. Total Survey Hrs	n, 10min.	0	0	Ð	0	If yes, report color combir section on back of form ar		rt to U	SFWS.	'YA
	Reporting In US Fish and	idividual <u>J</u> Wildlife Se	ohn rvice Per	F. G	reen E0540	711	_ Date Report Completed State Wildlife Agency P		Aug	9454 2013	242-1-

S Fish and Wildlife Service Permit # TE054011 State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting	g Individual	ohn F. C	Green		Pho	one # <u>951-369</u>	-8060	
Attiliation	n <u>AMEC</u>	uvalen E	Chase 2 To	mescal la	E-r	nail johm. +', g	meen @ amec.col	m
Was this	site surveyed in a	previous year?	Yes No	Unknown	vasm Da	ic Report Complete	11 110 9057- 2013	
Dia you v	verny that this sit	e name is consiste	ent with that used	i in previous ye	ears? Yes_	No 1	Not Applicable	
If site nar	ne is different, w	hat name(s) was u	used in the past?		·			
If site was	s surveyed last yo	ear, did you surve	y the same gener	ral area this yea	ır? Yes 🔟	₩ No If	no, summarize below.	
Did you s	survey the same g	eneral area durin	g each visit to the	is site this year	Yes_	No If	no, summarize below.	
Managem	שיא די אואס nent Authority for	Siirvey Area	アー/ Federal N	funicipal/Coun	tv St	ate Tribal	Private	
Name of	Management Ent	ity or Owner (e.g.	, Tonto National	Forest)	J — un	Known	1111410	
Length of	f area surveyed: _	1.35 (km)					
Vegetatio	n Characteristics	: Check (only one	e) category that b	est describes th	ne predomin	ant tree/shrub folia	r layer at this site:	
	Native broadleaf	plants (entirely o	r almost entirely	, > 90% native)				
]	Mixed native and	l exotic plants (m	ostly native, 50 -	90% native)				
]	Mixed native and	exotic plants (me	ostly exotic, 50 -	90% exotic)				
	Exotic/introduced	l plants (entirely	or almost entirely	y, > 90% exotic	;)	0 /	<i>P</i>	
Idontify t	ho 2 2 mmodomino		.: :			Populus	fremontii	_
identity ti	ne 2-3 predomina	m tree/shrub spec	nes in order of d	ominance. Use	scientific n	names. Sal/X Sp	op., Baccharis sal	icifoli.
Average h	neight of canopy	(Do not include a	range):	15		(meters)		
WIFL det nests; 3) p Comment	ections; 2) sketch photos of the inter s (such as start an	or aerial photo si ior of the patch, e	howing site locat xterior of the pat s of survey area	tion, patch shap ch, and overall if changed amo	e, survey ro site. Describ	ute, location of any be any unique habit supplemental visit	arvey site and location of detected WIFLs or their at features in Comments. It to sites, unique habitat	
							,	
			***		######################################			
Territory !	Summary Table.	Provide the follo	wing informatio	n for each verif	fied territory	at your site.		
Territory	All Dates	UTM E	UTM N	Pair	Nest		f How You Confirmed	7
Number	Detected			Confirmed?	Found?		and Breeding Status	
]	·		Y or N	Y or N		on type, pair interactions,	
						nesting at	ttempts, behavior)	-
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	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1	rejus dire			\dashv
the proper					dati.	* * * * * * * * * * * * * * * * * * *		
Attach add	ditional sheets if	necessanı						

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

	USGS Qua Creek, Rive	d Name er, Wetland, o	or Lake N	Name 1/1	7000	1001	State CA Count Elevation 32	0		(met	ers)
							ightings attached (as requi	ired)?		Yes X N	o
	Survey Coo	ordinates: Sta	art: E 4	56519	4	N373	5684 UTM 6620 UTM	Datum	NADZ	7(See instruc	ctions)
	If surv	ey coordinate	es change	d betwee	n visits, er	iter coordinat	es for each survey in comm	ients se	ction of	on back of this	s page.
	Survey # Observer(s) (Full Name)	2013 Date (m/d/y) Survey time	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	GPS Co (this is individ	oordinat an optio uals, pai rvey). I	es for WIFL Dete nal column for de rs, or groups of b nclude additional	ocumenting oirds found o
	Survey # 1 Observer(s)	Date 15 May						# Birds	Sex	UTM E	UTM N
	Groen	Start 0450	0	a	A	۸/					
	(see below)	Stop 0915 44, 25m Total hrs	·			<i>'</i> V					
	Survey # 2 Observer(s)	Date4 Jun	٧.					# Birds	Sex	UTM E	UTM N
<i>a.</i>	Green	Start Q5/0	a	a	9	N					
	Green,	Stop 0 % 5 34,55m Total hrs_	16)	7,		, -					
	Survey # 3 Observer(s)	Date 20 Jun						# Birds	Sex	UTM E	UTM N
	Stephen	Start 0440	A	0	0	ΛJ	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s				
	TE 804203	Stop (1900 G-1, 20 m, Total hrs	,	•	•	/ V					
2	Survey # 4 Observer(s)	Date Jul				in justi		# Birds	Sex	UTME	. ÜŢM Ŋ
	Green	Start 0450	0	A	A	Λ/					
		Stop 0840 24 50 m) V					
	Survey # 5 Observer(s)	Date 16 Jul						# Birds	Sex	UTM E	UTM N
	Myers	Start 0445 Stop 0850	a	a	A	\wedge					<u> </u>
	/	Stop 0850 44,5m Total hrs		<i>></i>	•	/ V					
	Overall Site Sur Totals do not equal each column. Include resident adults. Do migrants, nestlings,	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatol	hers co	lor-bai	nded? Yes	No
	fledglings. See Com Be careful not to do individuals. 20 h. Total Survey Hrs	nents uble count	0	0	Ð	0	If yes, report color combin section on back of form ar				N/A

US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Affiliation Site Name Was this so Did you w If site nam If site was Did you s Was a so Managem Name of I Length of Vegetatio	ne is different, who is surveyed last ye urvey the same gother than the same gother than a last the same gother than a last the same gother than a last the same gother than a last the same a surveyed:	previous year? e name is consisted hat name(s) was uear, did you surve eneral area during Survey Area: ity or Owner (e.g. (km): Check (only one plants (entirely one exotic plants (modern))	Yes No	al area this years site this years site this years. Iunicipal/Count Forest) est describes the > 90% native)	E-1 Da cars? Yes _ ur? Yes _ ty Str	mail john. te Report Co No No No Tr	369-8060 f. green @ amec.co mpleted 19 highst, 2013 Not Applicable If no, summarize below. If no, summarize below. ibal Private b foliar layer at this site:	m
	Exotic/introduced		·		•			
Identify th	ne 2-3 predomina	nt tree/shrub spec	cies in order of do	ominance. Use	scientific r	names. Sal	X Spp. , Backharis sal	icifoli.
Attach the WIFL detenests; 3) p	ections; 2) sketch hotos of the inter s (such as start ar Attach additional	py of USGS quad or aerial photosi ior of the patch, e	d/topographical n howing site locat exterior of the pate	nap (REQUIRE ion, patch shap ch, and overall if changed amo	ED) of surve be, survey ro site. Descri	oute, location be any uniqu , supplement	ning survey site and location of of any detected WIFLs or their e habitat features in Comments. al visits to sites, unique habitat	
-//	Valture	et Sur	1/04 /	1000				
	A(1) 1/2 1/2 (- /						
Territory S	Summary Table.	Provide the follo	wing information	n for each verif	fied territory	y at your site		
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Ten (e.g., voc	otion of How You Confirmed ritory and Breeding Status alization type, pair interactions, sting attempts, behavior)	
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Attach ado	litional sheets if i	necessary		. ~	5. 0 / A 1			

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	Site Name USGS Qua Creek, Rive	er, Wetland,	or Lake N	Vame	MOMA	Men	State CA Count Elevation 3/				eters)
	Survey Coc	ordinates: St St	art: E <u>45</u> op: E <u>45</u> es change	7285 3759 d betwee	2 2- n visits, er	N_3735 N_3735	ightings attached (as requised 3972 UTM UTM UTM es for each survey in commentation on back of this	Datum Zone _ ents se	NAD:	2 7 (See instru	No uctions) us page.
	Survey # Observer(s) (Full Name)	2013 Date (m/d/y) Survey time PST	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If	GPS Co (this is individ	oordinat an optic uals, pa rvey).	tes for WIFL De onal column for irs, or groups of Include addition	documenting birds found on
	Survey # 1 Observer(s) Green (see	Start 9450 Stop 9915 44 25 m	0	-0	0	N		# Birds	Sex	UTM E	UTM N
* jest	Survey # 2 Observer(s)	Date 4 Jun Start 0 5 10 Stop 0 9 0 5 3 Lys 5 m	0	0	4	N		# Birds	Sex	UTM E	UTMN
	Survey #3 Observer(s) Stephen Myers TEXH203	Date D Jun Start Oly49 Stop 0900 44, 20 m Total hrs	0	0	0	Ν		# Birds	Sex	UTM E	UTM N
i grand	Observer(s)	Date) Jul Start 0 450 Stop 0840 34,5000 Total hrs	0	-0	0	<i>X</i>		# Birds	Sex	UTM E	. UŢM Ŋ
-	Observer(s)	Date 16 Jul Start 0445 Stop 0850 74,5 m Total hrs	Ø	D	P	\vee		# Birds	Sex	UTM E	UTM N
	Overall Site Sur Totals do not equal each column. Include resident adults. Do migrants, nestlings, fledglings.	the sum of le only not include and	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatch				N 1/A
	See comme Be careful not to do individuals. 20 h, 35 Total Survey Hrs	min,	<i>A</i>	D E G	D	0	If yes, report color combir section on back of form ar	ation(s	rt to U	SFWS.	//1

Reporting Individual John F. Green

US Fish and Wildlife Service Permit # TE054011

State Wildlife Agency Permit # SC-001951 a Hack ment

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

If site nar If site wa. Did you s Slight Managem Name of Length of	me is different, we surveyed last yourvey the same go the same go the same go the same go the same go the same go the same go the same go the same go the same as a surveyed to the same as a surveyed to the same go the same as a surveyed to the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the same go the sa	that name(s) wear, did you sugeneral area du sugeneral area du resurvey Area ity or Owner (ras used in the past? revey the same generating each visit to the Federal Neg., Tonto National (km) one) category that be	ral area this year is site this year funicipal/Coun I Forest)	tyStne predomin	mail john. F. græn @ amec.com te Report Completed 19 highs + 2013 No Not Applicable No If no, summarize below. If no, summarize below. Tribal Private and Known mant tree/shrub foliar layer at this site:
		-	y or almost entirely	•	•	
		-	(mostly native, 50 - (mostly exotic, 50 -			
		_	ely or almost entirely	•	,)	
					•	names Salix spp., Baccharis salicifoli
Average l	neight of canopy	(Do not includ	le a range):	10		(meters)
WIFL det nests; 3) p	ections; 2) sketch hotos of the inter	or aerial phorior of the pate	to showing site locar h, exterior of the pat	tion, patch shap ch, and overall	e, survey ro site. Descri	ey area, outlining survey site and location of oute, location of any detected WIFLs or their the any unique habitat features in Comments.
features.	Attach additional	l sheets if nece	essary.	-	-	supplemental visits to sites, unique habitat visits to other patches.
-/N	orthuse	4-0	101101	2126		
	(1) 40-1006	<u> </u>	01007 0	7		
Territory :	Summary Table.	Provide the f	ollowing informatio	n for each veri	fied territor	y at your site.
Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)
eta verse						

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games in the	Alle Maria	iliai T				1	d Detection Form (revised	- 9° -	St. 17.	2 6 4 2	
	Site Name_ USGS Qua Creek_Rive	Valley- I d Name <u>La</u> er, Wetland,	V ygier Ve M or Lake N	laxter Jame	e dy	ford a	State CA Count Elevation 326	y <i>KIV</i> 0	E)-51	(met	ers)
	Is copy	v of USGS m	ap marki	ed with s	urvey area	and WIFL s	sightings attached (as requi	ired)?		Yes_X N	o
			op: E <u>4.</u> es change	5 77° d betwee	1) n visits, er		es for each survey in comm	Zone _ nents se	tion o	27(See instruc on back of this	•
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	Survey# Observer(s) (Full Name)	2013 Date (m/d/y) Survey time	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	potential threats [livestock, cowbirds Diorhabda snp.]) If	(this is individ	an optio uals, pai rvey). I	es for WIFL Dete nal column for do rs, or groups of b nclude additional	ocumenting irds found on
	Survey # 1 Observer(s)	Date / 5 Mag						# Birds	Sex	UTM E	UTM N
	Green (see below)	Start 0450 Stop 09 15 4h 25m Total hrs	4	0	0	N					
· 312	Survey # 2 Observer(s)	Date 4Jun Start 05/0		_				# Birds	Sex	UTM E	UTM N
	Green	Stop 0905 34,55m	0	0	-0	N					
	Survey # 3 Observer(s)	Date 20 Jun						# Birds	Sex	UTM E	UTMN
	Stephen Myers TE 201203	Start 0440 Stop 0900 4h, 20m Total hrs	0	0	0	N					
, je vroje	Survey # 4	Date / Jul		• • • • •		307		# Birds	Sex	UTM E	. UTM N
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	Overall Site Sur Totals do not equal each column. Include resident adults. Do migrants, nestlings,	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatel	hers co	lor-baı	nded? Yes	No
	fledglings. See corn. Be careful not to do individuals. 20 H, 3! Total Survey Hrs	uble count	0	0	Ð	0	If yes, report color combin section on back of form an				MA
		aliciaica T	ha	E G	reen		D-4- D C 1 : 1	19	Λ.	inet 2 017	<u> </u>

Reporting Individual John F. Green

US Fish and Wildlife Service Permit # TE054011

State Wildlife Agency Permit # 5C-001951 a Hack ment

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting	Individual J	ohn F.	Green		Pho	one # <u>951-369-</u>	8060	
Affiliation	AMEC 7	Suvalen P	Phase 2	iard	E-1	nail johm. +'. gr te Report Completed	ven @ arnec.com	n
Was this s	site surveyed in a	Lyglen F aprévious year?	Yes No	Unknown		ic report completed	17 114 905/7 2013	
Did you v	erify that this sit	e name is consist	ent with that used	l in previous ye	ears? Yes _	No No	t Applicable	
		hat name(s) was u ear, did you surve				No If no	o, summarize below.	
		general area durin				No If no		
Name of M	Management Ent	ity or Owner (e.g	., Tonto National	funicipal/Coun Forest)	ty Sta	ate Tribal Known		
Length of	area surveyed:	(h 05 _{(km})					
Vegetation	n Characteristics	: Check (only one	e) category that b	est describes th	ne predomin	ant tree/shrub foliar	ayer at this site:	
	Native broadleaf	plants (entirely o	r almost entirely,	> 90% native)				
	Mixed native and	l exotic plants (m	ostly native, 50 -	90% native)				
N	Mixed native and	l exotic plants (m	ostly exotic, 50 -	90% exotic)				
<u> </u>	Exotic/introduced	d plants (entirely	or almost entirely	γ , $> 90\%$ exotic	:)			
Identify th	ie 2-3 predomina	int tree/shrub spec	cies in order of de	ominance. Use	scientific r	ames. Salix spf	o., Baccharis salie	cifoli.
Average h	eight of canopy	(Do not include a	range):	5		(meters)		
WIFL deternests; 3) p. Comments features.	ections; 2) sketch hotos of the inter s (such as start an Attach additiona)	n or aerial photo s rior of the patch, e and end coordinate I sheets if necessa	howing site locat exterior of the pates as of survey area ary.	ion, patch shap ch, and overall if changed amo	e, survey ro site. Descri	ute, location of any one any unique habitate supplemental visits	vey site and location of letected WIFLs or their features in Comments. to sites, unique habitat Her patches.	
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$=/N_0$	orthwe	15 T SV	rvey	area)			
	F							
Territory S	Summary Table.	Provide the follo	wing information	n for each verif	fied territory	at your site.		
Territory	All Dates	UTM E	UTM N	Pair	Nest		How You Confirmed	7
Number	Detected			Confirmed? Y or N	Found? Y or N	(e.g., vocalization	d Breeding Status type, pair interactions, empts, behavior)	
e triplinger og er					Salar Comment			
Attach add	litional cheets if	naceccaru						_

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	1977 to 1989 to 1989 to 1989 to 1989 to 1989 to 1989 to 1989 to 1989 to 1989 to 1989 to 1989 to 1989 to 1989 to	Willow	Flycate	her (WIF)	L) Survey an	d Detection Form (revised	l April	2010)		
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USGS Quad	d Name 🐴	perhil	1 &	Lake 1	Morthews.	CA Elevation 345	S / (10)	S, 3,	(met	ers)
Creek, Rive	er, Wetland,	or Lake N	Vame ur	marne.	d					
							-			
Survey Coo	ordinates: St	art: E4	5830'	2	N3734	22.3 UTM	Datum ₂	NADS	27 (See instruc	tions)
If surve	ey coordinate	es change	d betwee	n visits, er	iter coordinate	es for each survey in comm	Zone _ ents se	ction	— on back of this	s page.
		** I	ill in a	dditional	l site inforn	nation on back of this	page	**		1.0
	0 0					Comments (e.g. hird behavior:	GPS Co	ordinat	es for WIFL Dete	ctions
Survey#		Number	Estimate	Estimated	Nest(s) Found?	evidence of pairs or breeding;				
Observer(s)		of Adult	d Number	Number of	Y or N	potential threats [livestock, cowbirds, Diorhabda spp.]). If				
(Full Name)		WIFLs	of Pairs	Territories	If Yes, number	Diorhabda found, contact	necessa	ry.		
	POI				or nests	coordinator			*	,
Survey # 1	Date 15 May						# Birds	Sex	UTM E	UTM N
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	Stop 49/5				' 4	į				
belaw)	Total hrs									
Survey # 2	Creek, River, Wetland, or Lake Name Language area and WIFL sightings attached (as required)? Yes X No_ Survey Coordinates: Start: E458302 N374123 UTM DatumMP27 See instructions) Survey Coordinates: Start: E458302 N374123 UTM DatumMP27 See instructions) Survey Coordinates: Start: E458302 N374123 UTM DatumMP27 See instructions) Survey B Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Date (Tridy) Dat									
Observer(s)	Creek, River, Wetland, of Lake Name urrn arm & discovering is copy of USGS map marked with survey area and WIFL sightings attached (as required)? Yes X No									
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Survey # 5	D-1-1/ T-1						# Birds	Sex	UTM E	UTM N
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/	Stop 9850	20	~~	. •	<i>,</i> v					
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US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # Sc-001951 attack ment Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting	Individual J	ohn F.	Green		Ph	one # <u>951-369-80</u>	060	
Site Name	eValler 7	Cuvalen F	Phase 2 T-	Min. Trio	CK DwiDa	mail John. +. gree te Report Completed 19	higust, 2013	
Was this	site surveyed in a	prévious year?	Yes No	Unknown	CK TIMPO	te Report Completed 11	114 905/- 2013	
Dia you v	erity that this sit	e name is consist	ent with that used	l in previous ye	ears? Yes _	No Not A	pplicable	
If site nar	ne is different, w	hat name(s) was i	used in the past?_			# 17) S =		
Did you s	s surveyed last yo	ear, did you surve	by the same gener	ral area this year	ir? Yes_	No If no, so If no, so	immarize below.	
≥ / soa	arvey me same g	general area durin	g each visit to thi	is site this year	res_	No II no, st	immarize below.	
Managem	ent Authority for	r Survey Area:	Federal N	, Iunicipal/Coun	tv St	ate Tribal	Private	
Name of l	Management Ent	ity or Ówner (e.g	., Tonto National	Forest)	Ur	Known	video	
Length of	`area surveyed: _	0.71 (km	n)					
Vegetatio	n Characteristics	: Check (only one	e) category that b	est describes th	ne predomin	ant tree/shrub foliar laye	r at this site:	
	Native broadleaf	plants (entirely o	r almost entirely,	> 90% native)	1			
		l exotic plants (m	-					
		l exotic plants (m		•				
]	Exotic/introduce	d plants (entirely	or almost entirely	y, > 90% exotic	;)			
Identify th	ne 2-3 predomina	nt tree/shrub spec	cies in order of d	ominance. Use	scientific 1	names. Salix Spp.,	Baccharis salicifo	Į,
Average h	neight of canopy	(Do not include a	range): / O			(meters)		
WIFL detenests; 3) p Comment	ections, 2) sketch hotos of the inter s (such as start an Attach additional	n or aerial photo s rior of the patch, e and end coordinate I sheets if necessa	howing site locat exterior of the pat es of survey area	ion, patch shap ch, and overall if changed amo	e, survey ro site. Descri	ey area, outlining survey oute, location of any dete be any unique habitat feat, supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits to supplemental visits visits to supplemental visits visits visits visits visits visits visits visits visits visits visits visit	cted WIFLs or their stures in Comments.	
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Territory S	Summary Table.	Provide the follo	owing information	n for each verif	ied territor	v at your site.		
Territory	All Dates	UTM E	UTM N	Pair	Nest		v Vov Co-Co1	
Number	Detected	OIME	UTMIN	Confirmed?	Found?	Description of How Territory and B		
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Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/southwest/es/arizona/) for the most up-to-date version.

Ç™(x,)	A. C. St.						d Detection Form (revise				*
	USGS Qua Creek, Rive	d Name <u>Al</u> er, Wetland, o	<i>ber hi</i> or Lake N	11, CP Jame_10	1/1/4M	ed		365		(mete	ers)
	Is copy	v of USGS m	ap mark	ed with si	urvey area	and WIFL s	ightings attached (as requ			Yes <u>X</u> No	
	Survey Coo	ordinates: Sta Sta ey coordinate	art: E <u>4:</u> op: E <u>4:</u> es change	5929 5923 d betwee	7 3 n visits, er	N 3733 N 3733 nter coordinat	UTM UTM UTM UTM es for each survey in comm	Datum Zone _ nents se	NAD 2 11 ction o	27(See instruction back of this	ions) page.
	<u> </u>	Τ	** <i>F</i>	ill in a	dditiona	l site inforn	nation on back of this	page	**		
	Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Y or N	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> found, contact USFWS and State WIFL coordinator	(this is individu	an optio 1als, pai rvey). I	es for WIFL Detection of the column for do irs, or groups of bi include additional	cumenting rds found on
	Survey # 1 Observer(s) Green (See below)	Date S May Start 0,450 Stop 0,915 44, 25m Total hrs	4	0	0	N		# Birds	Sex	UTM E	UTM N
per si	Survey # 2 Observer(s) Green	Date 4 Jun Start 05/0 Stop 0905 34, 55m Total hrs	A	0	4	N		# Birds	Sex	UTM E	UTM N
	Survey #3 Observer(s) Stephen Myers TE 804203	Date 20 Jun Start 0440 Stop 0900 44 20 m Total hrs	0	0	0	N		# Birds	Sex	UTM E	UTM N
·	Survey # 4 Observer(s)	Date Jul Start 0459 Stop 08479 3 h 50m Total hrs	0	0	0	<i>(2.46</i>) <i>(1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.46) (1.4</i>		# Birds	Sex	UTME	, и мти
	Survey # 5 Observer(s)	Date 16 Jul Start 0445 Stop 0850 4th, 5 m Total hrs	D	Ø	0	N		# Birds	Sex	UTM E	UTM N
	Overall Site Sur Totals do not equal each column. Include resident adults. Do migrants, nestlings,	mmary the sum of de only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato	hers co	lor-ba	nded? Yes	No
	fledglings. See Common Be careful not to do individuals. 20 h 30 Total Survey Hrs	nents puble count 5 M	0	0	Ð	0	If yes, report color combine section on back of form a				~/A

US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # Sc-001951 attack ment Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Reporting Affiliation	Individual Jan AMEC	ohn 1	F. G.	reen		Pho E-1	none # 951-369-8060 mail john. F. green @ amec ate Report Completed 19 August, 2013 No Not Applicable	com
Site Name Was this	e Valley - Z site surveyed in a	D <i>vygler</i> previous y	oar? Yes	150 2, Do	Palmo Unknown	Da	ate Report Completed [9] August 2013 No Not Applicable	;
If site nan	ne is different, w	e name is co hat name(s)	onsistent v was used	with that used I in the past?	in previous ye	ears? Yes _	No Not Applicable	
If site was	s surveyed last ye urvey the same g	ear, did you general area	survey th during ea	e same gener		r? Yes Yes	No If no, summarize below. If no, summarize below.	
Managem	y smaller ent Authority for Management Ent	r Survey Ar	éa: Fe	deral M onto National	unicipal/Count Forest)	tý St Un	tate Tribal Private	
Length of	area surveyed: <u>(</u>	0.16	_ (km)					
Vegetatio	n Characteristics	: Check (on	ly one) ca	ategory that be	est describes th	ie predomin	nant tree/shrub foliar layer at this site:	
	Native broadleaf	plants (enti	rely or alr	most entirely,	> 90% native)			
	Mixed native and	l exotic plar	nts (mostly	y native, 50 -	90% native)			
1	Mixed native and	l exotic plar	nts (mostly	y exotic, 50 -	90% exotic)			
	Exotic/introduced							
Identify th	ne 2-3 predomina	nt tree/shru	b species	in order of do	ominance. Use	scientific r	names. Salix Spp., Baccharis s	salicifoli.
Average h	eight of canopy	(Do not incl	lude a ran	ge):	5		(meters)	
WIFL dete	ections; 2) sketch	or aerial pl	hoto show	ing site locat	ion, patch shap	e, survey ro	rey area, outlining survey site and location oute, location of any detected WIFLs or the ibe any unique habitat features in Commen	eir
features.	Attach additional	I sheets if no	ecessary.				s, supplemental visits to sites, unique habit	
					<i>J</i> ′			_
	North	vest		urvey	1 01	rea)		_
Territory S	Summary Table.	Provide the	e followin	g informatior	n for each verif	ied territory	y at your site.	
Territory Number	All Dates Detected	UTM I	E.	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interaction nesting attempts, behavior)	
t yang karangan	n en 1800 Transport					egarentigi Partigi		

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	USGS Qua	d Name A	berhil	1	-		ShestState CA Elevation		KIV	511	(mete	ers)
	Is copy	of USGS m	ap mark	ed with si	urvey area	and WIFL s	ightings attached (as	s require	ed)?		Yes X No	<u></u>
	Survey Coo	ordinates: Sta Sta ey coordinate	art: E46 op: E46 es change	6055 6046 d betwee	n visits, er	N 3732 N 3732 nter coordinat	964 U' -642 U' es for each survey in	TM Zc	ne -	11	7 (See instruct n back of this	,
		·					nation on back of					
	Survey# Observer(s) (Full Name)	2013 Date (m/d/y) Survey time PST	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird beh evidence of pairs or bree- potential threats [livestoc cowbirds, Diorhabda spp Diorhabda found, contac USFWS and State WIFL coordinator	ding; (tek, inc.]). If each	his is a idividu	n option als, pain vey). In	es for WIFL Detectional column for do so, or groups of binclude additional	cumenting irds found or
	Survey # 1 Observer(s)	Datel 5 May						#	Birds	Sex	UTM E	UTM N
:	Green (see below)	Start 0450 Stop 0915 44, 25m Total hrs	0	0	0	\sim						
· v	Survey # 2 Observer(s)	Date 4 Jun Start 0 510						#	Birds	Sex	UTM E	UTM N
	Green	Stop 0905 34, 55m Total hrs	0	4	0	N	Management and control and an artist and a final and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a second and a se	otoops, .				
	Survey#3 Observer(s) Stephen Myers TE 804203	Date 20 Jm Start 0440 Stop 0900 44, 20 m Total hrs	0	0	0	N	procession we also assessed assessed as a large section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sec	#	Birds	Sex	UTM E	UTM N
2	Survey # 4 Observer(s)	Date Jul Start 0450		· · · · ·	ζ	i i i i i i i i i i i i i i i i i i i		#	Birds	Sex	UTM E	, ŲŢŅ Ņ
	Green	Stop OS40 3h, 50m Total hrs_	10	4	4	No sediment						
		Date/6 Jul Start 0445 Stop 0850 44,5 m Total hrs	6	D	0	N			Birds	Sex	UTM E	UTM N
	Overall Site Sur Totals do not equal each column. Include resident adults. Do migrants, nestlings,	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Fl	lycatche	rs col	or-ban	ded? Yes	No
	fledglings. SCE COMM Be careful not to do individuals. 20 h, 3! Total Survey Hrs		0	0	Ð	0	If yes, report color c section on back of fo					~/A

US Fish and Wildlife Service Permit # TE054011
State Wildlife Agency Permit # SC-001951 a Hack ment
Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Number Detected Confirmed? Y or N Y or N (e.g., vocalization type, pair interactions, nesting attempts, behavior)	If site nan If site was Did you s Managem Name of I Length of Vegetatio	ne is different, we surveyed last ye urvey the same gent Authority for Management Entitarea surveyed: n Characteristics: Native broadleaf	hat name(s) was tear, did you surve eneral area during Survey Area: ity or Owner (e.g.	ey the same gener g each visit to this Federal M., Tonto National Me) category that but almost entirely,	ral area this year is site this year funicipal/Coun Forest) est describes the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of the set of th	r? Yes A? Yes Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy Structy		, summarize below. , summarize below. Private	
Average height of canopy (Do not include a range): (meters) Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments. Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if necessary. Survey times are for Full rapring, including visits to other patches. Ferritory Summary Table. Provide the following information for each verified territory at your site. Ferritory All Dates UTM E UTM N Pair Confirmed? Yor N Yor N (e.g., vocalization type, pair interactions, nesting attempts, behavior)		Mixed native and	exotic plants (m	ostly exotic, 50 -	90% exotic)				
Average height of canopy (Do not include a range): (meters) Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments. Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if necessary. Survey times are for Full marning, including visits to other patches. Ferritory Summary Table. Provide the following information for each verified territory at your site. Ferritory All Dates UTM E UTM N Pair Nest Description of How You Confirmed Territory and Breeding Status Detected Yor N Yor N Yor N (e.g., vocalization type, pair interactions, nesting attempts, behavior)		Exotic/introduced	l plants (entirely	or almost entirely	y, > 90% exotic	:)			
Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments. Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if necessary. Survey +i-mes gre for Full morning, including wisits to other patches. Ferritory Summary Table. Provide the following information for each verified territory at your site. Ferritory All Dates Detected UTM E UTM N Pair Confirmed? Found? Y or N Y or N Y or N Pair Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)	Identify th	ne 2-3 predomina	nt tree/shrub spec	cies in order of de	ominance. Use	scientific r	ames. Salix spp	., Baccharis salicit	3//.
WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments. Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if necessary. Survey + i-mes gre for Full ryprning, including visits to other patches. Territory Summary Table. Provide the following information for each verified territory at your site. Territory All Dates Detected UTM E UTM N Pair Confirmed? Found? Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)	Average h	eight of canopy	(Do not include a	range):	5		(meters)		
Perritory All Dates Number Detected Detected Detected Detected Detected Detected Detected Promise (e.g., vocalization type, pair interactions, nesting attempts, behavior)	WIFL detenests; 3) p Comments features	ections; 2) sketch hotos of the inter s (such as start ar	or aerial photo s ior of the patch, e and end coordinate	howing site locat exterior of the pate es of survey area	ion, patch shap ch, and overall if changed amo	e, survey ro site. Descri ong surveys,	ute, location of any do be any unique habitat supplemental visits t	etected WIFLs or their features in Comments. o sites, unique habitat	
Perritory All Dates Number Detected Detected Detected Detected Detected Detected Pound: Number Detected Detected Detected Pound: Yor N Pair Confirmed: Yor N Pair Found: Yor N (e.g., vocalization type, pair interactions, nesting attempts, behavior)			· · · · · · · · · · · · · · · · · · ·						
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Perritory All Dates Number Detected Detected Detected Detected Detected Detected Pound: Number Detected Detected Detected Pound: Yor N Pair Confirmed: Yor N Pair Found: Yor N (e.g., vocalization type, pair interactions, nesting attempts, behavior)									
Number Detected Confirmed? Y or N Y or N (e.g., vocalization type, pair interactions, nesting attempts, behavior)					n for each verif	ied territory	at your site.		
	Territory Number		UTM E	UTM N	Confirmed?	Found?	Territory and (e.g., vocalization	Breeding Status type, pair interactions,	
	• , 1				,				
							 		
Attach additional sheets if necessary	Na sakasa		. 3			registere ()			

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					-	d Detection Form (revised	and the			•
Site Name_ USGS Qua	Valley-I	vygler	n, Phase	e 2, #	orsethiet	Elevation Gount	y Riv	ersi	<u>de</u> (mete	rs)
Is copy	er, Wetland, v of USGS m	or Lake r ap mark	vame <u>//</u> ed with si	urvey area	and WIFL s	ightings attached (as requi	ired)?		Yes 🗶 No)
						7/7 UTM 467 UTM es for each survey in comm				ions)
		** <i>I</i>	ill in a	dditional	site inforn	nation on back of this	page	**		1.0
Survey # Observer(s) (Full Name)	2013 Date (m/d/y) Survey time PST	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is individ	an opticuals, par rvey).	es for WIFL Detec onal column for do irs, or groups of bi include additional	cumenting rds found on
Survey # 1 Observer(s)	Date 15 May						# Birds	Sex	UTM E	UTM N
Green (see below)	Start 0450 Stop 0915 44, 25m Total hrs	0	0	0	\mathcal{N}					
Survey # 2	Date 4 Jun						# Birds	Sex	UTM E	UTM N
Observer(s)	Start 0510 Stop 0905 3h, 55m, Total hrs	-0-	0	4	N					
Survey # 3	 						# Birds	Sex	UTM E	UTM N
Observer(s) Stephen Myers TE 804203	Start 0440 Stop 0900 Th., 20 m Total hrs	0	4	0	N			Jex .		O.M.N.
Survey # 4 Observer(s)	Date Jul	1.			i jiri		# Birds	Sex	UTM E	ЙЙЙЙ
Sierver(s)	Start 0450 Stop 0840 36, 50m Total hrs	0	0	0						
Survey # 5	Date 16 Jul						# Birds	Sex	UTM E	UTM N
Observer(s) Myers	Start 0445 Stop 0850 44,5 m Total firs	Ø	D	0	N					
Overall Site Sur Fotals do not equal each column. Include esident adults. Do nigrants, nestlings,	the sum of de only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatch	hers co	lor-ba	nded? Yes	No
ledglings. SEC COMM Be careful not to do ndividuals. 20 h Total Survey Hrs		0	0	0	0	If yes, report color combir section on back of form ar				MA
Reporting In	ndividual J	ohn	F. G	reen		Date Report Completed State Wildlife Agency P	19	Au	auist 2013	
	l Wildlife Se				11	State Wildlife Agency P	ermit #	SC	001951	abtacka

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September Ist</u>. Retain a copy for your records.

Reporting Individual John F. Green Affiliation AMEC Site Name Valley - Tuyglen Phase 2, Horselhief East Was this site surveyed in a previous year? Yes No Unknown Did you verify that this site name is consistent with that used in previous years	Phone # 951-369-8060 E-mail john. F. green @ arnec.com This post Completed 19 his gust 2013
If site name is different, what name(s) was used in the past?	
If site was surveyed last year, did you survey the same general area this year? Did you survey the same general area during each visit to this site this year? **larger area surveyed this year Management Authority for Survey Area: Federal Municipal/County	Yes No If no, summarize below. Yes No If no, summarize below. State Tribal Private
Name of Management Entity or Owner (e.g., Tonto National Forest) Length of area surveyed: 9,37 (km)	Unknown
Vegetation Characteristics: Check (only one) category that best describes the p	oredominant tree/shrub foliar layer at this site:
Native broadleaf plants (entirely or almost entirely, > 90% native)	
Mixed native and exotic plants (mostly native, 50 - 90% native)	
Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)	
Exotic/introduced plants (entirely or almost entirely, > 90% exotic)	
Identify the 2-3 predominant tree/shrub species in order of dominance. Use so	ientific names. Salix Spp., Baccharis salicifolic
Average height of canopy (Do not include a range):	(meters)
Attach the following: 1) copy of USGS quad/topographical map (REQUIRED WIFL detections; 2) sketch or aerial photo showing site location, patch shape, snests; 3) photos of the interior of the patch, exterior of the patch, and overall site	survey route, location of any detected WIFLs or their
Comments (such as start and end coordinates of survey area if changed among features. Attach additional sheets if necessary. Survey times are for Full marning, inclu	
(Northwest Survey area)	
Territory Summary Table. Provide the following information for each verified	territory at your site.
	Nest Description of How You Confirmed ound? Territory and Breeding Status Y or N (e.g., vocalization type, pair interactions, nesting attempts, behavior)

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/ southwest/es/arizona/) for the most up-to-date version.

	Lallou T					d Detection Form (revised	75	4 1	5.74) .*
Creek, Rive	er, Wetland,	or Lake N	Name <u>un</u>	named	+ Walker	State CA Count Elevation 38 Canyon / Termese	al b	Vash	1	
						ightings attached (as requ			Yes <u>X</u> N	
Survey Coo	ordinates: St St	art: E <u> 4</u> op: E <u> 4</u>	6365 647;	9 27	N 37318	399 UTM 095 UTM	Datum Zone _	NAD2	-7(See instruc	tions)
If surve	ey coordinate					es for each survey in comm nation on back of this			on back of this	page.
Survey # Observer(s) (Full Name)	2013 Date (m/d/y) Survey time PST	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	GPS Co (this is individ	oordinate an optio uals, pai irvey). I	es for WIFL Dete nal column for do rs, or groups of b nclude additional	ocumenting irds found on
Survey # 1 Observer(s)	Date 20 Maj					Some habitat	# Birds	Sex	UTM E	UTM N
Green (sëe below)	Start 0430 Stop 0635 Qh, 5 m Total hrs	4	0	0	\vee	was cleared, reducing survey area				
Survey#2 Observer(s) Stephen Myers TE 804203	Date 3 Jun Start 0700 Stop 9915 2,25 Total hrs	-0-	0	4	N		# Birds	Sex	UTM E	UTM N
Survey # 3 Observer(s) G-reen	Date 19 Jun Start 0740 Stop 0850 1 h, 10m Total hrs	0	0	0	Ν		# Birds	Sex	UTM E	UTM N
Survey # 4 Observer(s) Myers	Date 3 Jul Start ATS Stop 0715 Total hrsl.5	0	0	0			# Birds	Sex	UTM E	. ŲŢM N
Survey # 5 Observer(s) MYEF5	Date 15 Jul Start 07/0 Stop 0855 1,75 Total hrs	D	D	0	$ \wedge $		# Birds	Sex	UTM E	UTM N
Overall Site Sur Totals do not equal each column. Include esident adults. Do nigrants, nestlings,	the sum of le only not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatol	ners co	lor-bar	nded? Yes	_No
ledglings. See commen Be careful not to do ndividuals.		0	0	0	0	If yes, report color combir section on back of form ar				N/A
Total Survey Hrs Reporting Ir	~~~~	660	F. G	reen		D. C. T.	10	1.	i et a a a	
US Fish and					11	Date Report Completed State Wildlife Agency P	/	7/4 50	94 <u>51 AVIS</u>	0 0 4 + 0 - 1 -

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. Submit form by September I^{st} . Retain a copy for your records.

Reporting	g Individual <u>J</u>	ohn F.	Green		Ph	none # 951-369-8060	
Affiliatio	MEC			7 -1	E-	-mail john. f. green @amec.com	
Site Nam	e <u>Valley - I</u>	cuyglen F	hase 2, L	ake stre	Da Da	ate Report Completed 19 August 2013	
Was this	site surveyed in a	a previous year?	Yes No	Unknown			
	Affiliation A MEC Tayler Phase 2, Lake Street Date Report Completed [9] Nonet 2013 Take Report Completed [9] Nonet 2013 Take Report Completed [9] Nonet 2013 Take Report Completed [9] Nonet 2013 Take Report Completed [9] Nonet 2013 Take Report Completed [9] Nonet 2013 Take Report Completed [9] Nonet 2013 Take Afrect Male In the Info. summarize below. Nonet Applicable Siste was surveyed list year, did you survey the same general area this year? Yes Nonet If no, summarize below. If no, summarize below. Take Tribal Private Info. Tribal Private Info. Tribal Private Info. Tribal Private Info. Tribal Private Info. Tribal Private Info. Mixed native and exotic plants (mostly active, 50 - 90% native) Mixed native and exotic plants (mostly active, 50 - 90% exotic) Exotic/introduced plants (entirely or almost entirely, > 90% exotic) Exotic/introduced plants (entirely or almost entirely, > 90% exotic) Exotic/introduced plants (entirely or almost entirely, > 90% exotic) Entify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix Spp., Bacchar's Salicifali, verage height of canopy (Do not include a range): (meters) that the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of IFIL detections; 2) sketch or acrial photo showing site location, patch shape, survey route, location of any detected WIFLs or their ests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments. The private of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments. The private of the patch, and overall site. Describe any unique habitat features in Comments. The private of the patch, and overall site. Describe any unique habitat features in Comments. The private of the patch, and overall site of the patch, and overall site. Describe any unique habitat features. The private of the patch, exterior of the patch						
Did you s	urvey the same g	general area durin					
* large	r area fl	his year					
Managem	ent Authority for	r Survey Area:			-		
Name of	Management Ent	ity or Owner (e.g	., Tonto National	Forest)	VI.	nknown-	
Length of	area surveyed: _	<u>2.3</u> (km	ı)				
Vegetatio	n Characteristics	: Check (only one	e) category that b	est describes th	ne predomir	nant tree/shrub foliar layer at this site:	
	Native broadleaf	plants (entirely o	r almost entirely,	, > 90% native))		
	Mixed native and	l exotic plants (m	ostly native, 50 -	90% native)			
	Mixed native and	l exotic plants (m	ostly exotic, 50 -	90% exotic)			
	Exotic/introduced	d plants (entirely	or almost entirely	y, > 90% exotic	c)		
Identify th	ne 2-3 predomina	ant tree/shrub spe	cies in order of d	ominance. Use	e scientific 1	names Salix Spp. , Baccharis salicit	3//
Average h	neight of canony	(Do not include a	range):	5	·	(meters)	
3	8	((motors)	
WIFL det	ections; 2) sketcl	n or aerial photo s	howing site locat	ion, patch shap	e, survey ro	oute, location of any detected WIFLs or their	
повы, э / р	notes of the inter	ioi of the paten, e	xicitor of the put	cii, and overair	SRC. DOSCII	toe any unique naonat leatures in Comments.	
Comment	s (such as start a	nd end coordinate	es of survey area	if changed amo	ong surveys	s, supplemental visits to sites, unique habitat	
features.	Attach additional	l sheets if necessa	iry.		1 /.	1-21	
Durvey	times	are for	HULL DYAL	ning, ino	luding	visits to other patches.	
			·			7	
	1 and	Lent		2 / 2 5	~ 12 12	N/ 0)	
	1 2001	*N(1)>1	SULVE	7 1	CO1 -	- Mase 2)	
				/			
Territory S	Summary Table.	Provide the follo	wing information	n for each veril	fied territor	y at your site.	
Territory		UTM E	UTM N	Pair	Nest	Description of How You Confirmed	
Number	Detected			1	1		
				Y or N	Y or N		
						nesting attempts, behavior)	
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	. ga e eks				es come		
				25	Section 1		
A ++ 1 1 -	litional chaota if				E. A. W.		

Always check the U.S. Fish and Wildlife Service Arizona Ecological Services Field Office web site (http://www.fws.gov/ southwest/es/arizona/) for the most up-to-date version.

Cita Nama	Vallou-T					d Detection Form (revised				
USGS Qua	d Name La	Ke E	Isino)	re. Ci	4	State CA Count Elevation 39	y <u>NIV</u> O	E / - 5/	(met	ers)
Creek, Rive	er, Wetland,	or Lake N	Vame 🕢	2000	1 e d	ightings attached (as requi				·
									Yes <u>X</u> N	
Survey Coo	ordinates: St	art: E <u></u>	08446	<u> </u>	N 3726	999 UTM	Datum _:	NAD:	27 (See instruc	tions)
If surv	ey coordinate	es change	d betwee	n visits, er dditional	nter coordinate	UTM UTM UTM es for each survey in communation on back of this	zone _ ients se	ction **	on back of this	s page.
Survey # Observer(s) (Fuli Name)	2013 Date (m/d/y) Survey time P5T	Number of Adult WIFLs	Estimate d Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior, evidence of pairs or breeding; potential threats [livestock, cowbirds, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	GPS Co (this is individu	oordinat an optic uals, pa rvey).	tes for WIFL Dete onal column for de irs, or groups of b Include additional	ocumenting irds found on
rvey # 1 server(s)	Date 20 May						# Birds	Sex	UTM E	UTM N
reen	Start 0430	a	2	9	. /					
below)	Stop 0 635		7	-0	\sim	,				
be low)	24 5m Total hrs									
rvey # 2	Date3June						# Birds	Sex	UTM E	UTM N
server(s) ephen	Start 0-709	er g								
lyers		0	1	-0	N					
<u>'</u>	Stop 0915		3	-						
4203	7.25 Total hrs									
rvey # 3 erver(s)	Date 19 Jun					Brown-headed	# Birds	Sex	UTM E	UTM N
Sreen	Start 0740	2	a-	2	. A. I	Cawbird X3				
210611	Stop(7850	4	16	4)	/V					
	1h, 10m Total hrs									
vey # 4						A Property of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Con	*# Birds	Sex	UTM E	UTMN
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	Stop 0715	•			/ V					
	1.5 M Total hrs				*					
vey # 5	Date 15 Jul						# Birds	Sex	UTM E	UTM N
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column. Includient adults. Do		Adult Residents	Pairs	Territories	Nests	Were any Willow Flycatch	iers co	lor-ha	nded? Ves	No
rants, nestlings,						•				
gungs. Comm areful not to do viduals.		0	0	0	0	If yes, report color combin section on back of form an				MA
ıl Survey Hrs 🛭	1,75									
	ndividual J		F. G	reen		_ Date Report Completed_	101	Δ.,	guist 2013)

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. <u>Submit form by September 1st</u>. Retain a copy for your records.

Affiliation A MEC Site Name Valley - Turglen Phase 2 Pasaden Date Report Completed 19 Nignet 2013 Was this site surveyed in a previous year? Yes No Unknown Did you verify that this site name is consistent with that used in previous years? If site name is different, what name(s) was used in the past? If site was surveyed last year, did you survey the same general area this year? If site was surveyed last year, did you survey the same general area this year? Mo If no, summarize below. Did you survey the same general area during each visit to this site this year? Yes No If no, summarize below. Did you survey the same general area during each visit to this site this year? Yes No If no, summarize below. Management Authority for Survey Area: Federal Municipal/County State Tribal Private Name of Management Entity or Owner (e.g., Tonto National Forest) Length of area surveyed: 9.0 (km) Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site: Native broadleaf plants (entirely or almost entirely, > 90% native) Mixed native and exotic plants (mostly native, 50 - 90% exotic) Exotic/introduced plants (entirely or almost entirely, > 90% exotic) Exotic/introduced plants (entirely or almost entirely, > 90% exotic) Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix Spp., Baccharis Salicialia. Average height of canopy (Do not include a range): Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments. Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if	Reporting Individual	ohn F.	Green		Pho	ne # 951-369-8060	***************************************
Did you verify that this site name is consistent with that used in previous years? No No Not Applicable if site name is different, what name(s) was used in the past? If site mane is different, what name(s) was used in the past? If site was surveyed last year, did you survey the same general area this year? Yes No If no, summarize below. Did you survey the same general area during each visit to this site this year? Yes No If no, summarize below. Management Authority for Survey Area: Federal Municipal/County State Tribal Private Name of Management Entity or Owner (e.g., Tonto National Forest) Unknown Length of area surveyed: (Am) Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site: Native broadleaf plants (entirely or almost entirely, > 90% native) Mixed native and exotic plants (mostly native, 50 - 90% exotic) Exotic/introduced plants (entirely or almost entirely, > 90% exotic) Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix spp., Baccharis salicially. Average height of canopy (Do not include a range): (meters) Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments.	Site Name Valley -	Eurglen F	Chase 2, F	Pasaden	E-n Dat	te Report Completed 19 hugu	2013
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(Southeast Survey Men-Phase 2)	South	cast	Surve	1 - 1	100	-Phase Z)	
Territory Summary Table. Provide the following information for each verified territory at your site.	Torritory Summery Toble	Drovido the felle	aving information	for each verif	Find to with a second		
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Number Detected Confirmed? Found? Territory and Breeding Status Y or N Y or N (e.g., vocalization type, pair interactions, nesting attempts, behavior)				Confirmed?	Found?	Territory and Breeding (e.g., vocalization type, pair	Status interactions,
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APPENDIX E AVIAN SPECIES LIST



BIRD SPECIES LIST

This list reports only bird species which were observed along the Phase 2 project alignment during 2013 focused riparian bird surveys. Nomenclature and taxonomy for birds observed on site follows the American Ornithologists' Union Checklist (1998) and its supplements.

SYMBOLS AND ABBREVIATIONS:

- Identified only to genus; species unknown (plural = spp.) sp.
 - Non-native species
 - Sensitive species (State or Federally Listed as Threatened or Endangered, or a CDFG Species of Special Concern / Watch List Species, or a USFWS Bird of Conservation Concern). Birds that are tracked as sensitive only for nesting colonies have not been marked, as no nesting colonies were found.

BIRDS AVES Swans, Geese, and Ducks

Mallard

New World Quail California Quail

Cormorants

Double-crested Cormorant

Pelicans

American White Pelican

Bitterns and Herons Great Blue Heron **Great Egret**

Snowy Egret

Black-crowned Night-Heron

American Vultures **Turkey Vulture**

Ospreys **Osprey

Hawks, Kites, Eagles **Cooper's Hawk Red-shouldered Hawk

Red-tailed Hawk

Plovers and Lapwings

Killdeer

Stilts and Avocets Black-necked Stilt

Anatidae

Anas platyrhynchos

Odontophoridae Callipepla californica

Phalacrocoracidae Phalacrocorax auritus

Pelecanidae

Pelecanus erythrorhynchos

Ardeidae Ardea herodias Ardea alba Egretta thula

Nycticorax nycticorax

Cathartidae Cathartes aura

Pandionidae Pandion haliaetus

Accipitridae Accipiter cooperii Buteo lineatus Buteo jamaicensis

Charadriidae

Charadrius vociferus

Recurvirostridae Himantopus mexicanus



American Avocet

Sandpipers, Phalaropes, and Allies Dowitcher sp.

Gulls, Terns, and Skimmers

California Gull Caspian Tern Forster's Tern

Pigeons and Doves

*Rock Pigeon
Band-tailed Pigeon
*Eurasian Collared-Dove
Mourning Dove

Cuckoos, Roadrunners, Allies

Greater Roadrunner

Swifts

White-throated Swift

Hummingbirds

Black-chinned Hummingbird Anna's Hummingbird Costa's Hummingbird Rufous / Allen's Hummingbird

Woodpeckers and Allies

Acorn Woodpecker Nuttall's Woodpecker Downy Woodpecker Northern Flicker

Falcons

American Kestrel

Flycatchers

Western Wood-Pewee Pacific-slope Flycatcher Black Phoebe Say's Phoebe Ash-throated Flycatcher Cassin's Kingbird Western Kingbird

Vireos

**Least Bell's Vireo Cassin's Vireo Hutton's Vireo Warbling Vireo

Recurvirostra americana

Scolopacidae *Limnodromus* sp.

Laridae

Larus californicus Hydroprogne caspia Sterna forsteri

Columbidae

Columba livia
Patagioenas fasciata
Streptopelia decaocto
Zenaida macroura

Cuculidae

Geococcyx californianus

Apodidae

Aeronautes saxatalis

Trochilidae

Archilochus alexandri Calypte anna Calypte costae Selasphorus sp.

Picidae

Melanerpes formicivorus Picoides nuttallii Picoides pubescens Colaptes auratus

Falconidae

Falco sparverius

Tyrannidae

Contopus sordidulus Empidonax difficilis Sayornis nigricans Sayornis saya Myiarchus cinerascens Tyrannus vociferus Tyrannus verticalis

Vireonidae

Vireo bellii pusillus Vireo cassinii Vireo huttoni Vireo gilvus



Jays, Magpies and Crows

Western Scrub-Jay American Crow Common Raven

Swallows

Violet-green Swallow Tree Swallow Northern Rough-winged Swallow Cliff Swallow Barn Swallow

Chickadees and Titmice

**Oak Titmouse

Long-tailed Tits and Bushtits

Bushtit

Wrens

Rock Wren House Wren Marsh Wren Bewick's Wren

Gnatcatchers and Gnatwrens

Blue-gray Gnatcatcher

Sylviid Warblers

Wrentit

Thrushes

Western Bluebird Swainson's Thrush Hermit Thrush

Mockingbirds, Thrashers, and Allies

Northern Mockingbird California Thrasher

Starlings and Allies

*European Starling

Silky-flycatchers

Phainopepla

Wood-Warblers

Orange-crowned Warbler Common Yellowthroat **Yellow Warbler

Yellow-rumped Warbler (two subspecies)

Wilson's Warbler

Corvidae

Aphelocoma californica Corvus brachyrhynchos Corvus corax

Hirundinidae

Tachycineta thalassina Tachycineta bicolor Stelgidopteryx serripennis Petrochelidon pyrrhonota Hirundo rustica

Paridae

Baeolophus inornatus

Aegithalidae

Psaltriparus minimus

Troglodytidae

Salpinctes obsoletus Troglodytes aedon Cistothorus palustris Thryomanes bewickii

Polioptilidae

Polioptila caerulea

Sylviidae

Chamaea fasciata

Turdidae

Sialia mexicana Catharus ustulatus Catharus guttatus

Mimidae

Mimus polyglottos Toxostoma redivivum

Sturnidae

Sturnus vulgaris

Ptilogonatidae

Phainopepla nitens

Parulidae

Oreothlypis celata Geothlypis trichas Setophaga petechia Setophaga coronata Cardellina pusilla



Emberizines

Spotted Towhee

**Southern California Rufous-crowned Sparrow

California Towhee Lark Sparrow Song Sparrow

Lincoln's Sparrow

White-crowned Sparrow

Cardinals and Allies

Western Tanager

Black-headed Grosbeak

Blue Grosbeak Lazuli Bunting

Blackbirds and Allies

Red-winged Blackbird Western Meadowlark Brewer's Blackbird Great-tailed Grackle Brown-headed Cowbird

Hooded Oriole Bullock's Oriole

Finches and Allies

House Finch Lesser Goldfinch **Lawrence's Goldfinch American Goldfinch

Old World Sparrows

*House Sparrow

Emberizidae

Pipilo maculatus
Aimophila ruficeps canescens
Melozone crissalis
Chondestes grammacus
Melospiza melodia
Melospiza lincolnii
Zonotrichia leucophrys

Cardinalidae

Piranga ludoviciana
Pheucticus melanocephalus
Passerina caerulea
Passerina amoena

Icteridae

Agelaius phoeniceus Sturnella neglecta Euphagus cyanocephalus Quiscalus mexicanus Molothrus ater Icterus cucullatus Icterus bullockii

Fringillidae

Haemorhous mexicanus Spinus psaltria Spinus lawrencei Spinus tristis

Passeridae

Passer domesticus



APPENDIX F CERTIFICATION



CERTIFICATION STATEMENT FOR THE UNITED STATES FISH AND WILDLIFE SERVICE

We certify that the information in the survey report and attached exhibits fully and accurately represents our work.

Signed:	 	
Date:	 	
Signed:		
Date:		
Signed:		
Date:		