

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



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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.





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 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	tephen J. Myers LBV, SWF 0630-1050 53-67		0	20	
7 June	John F. Green	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





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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2010 Focused Surveys Valley-lvyglen Transmission Line Project September 2010



APPENDIX A BIRD SPECIES LIST

2010 Focused Surveys Valley-lvyglen Transmission Line Project September 2010





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

Wood Duck

Aix sp

Wood Duck
Gadwall
Anas strepera
Anas plat why nab

Mallard Anas platyrhynchos

Blue-winged Teal

Cinnamon Teal

*Redhead

Anas discor

Anas cyanoptera

Aythya americana

Ruddy Duck Aytnya americana

Oxyura jamaicensis

New World Quail Odontophoridae

Callipepla californica Callipepla californica

Grebes Podicipedidae

Pied-billed Grebe Podilymbus podiceps

Phalacrocoradidae Darters

*Double-crested Cormorant Phalacrocorax auritus

Pelecanidae Pelicans

American White Pelican Pelecanus erythrorhynchos

Bitterns and Herons Ardeidae

American Bittern Botaurus lentiginosus

Great Blue Heron Ardea herodias

Great Egret Ardea alba
Snowy Egret Egretta thula
Cattle Egret Bubulcus ibis

Green Heron Butorides virescens

Black-crowned Night-Heron Nycticorax nycticorax

Threskiornithidae Ibises and Spoonbills

White-faced Ibis Plegadis chihi



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

Pigeons and Doves

Rock Pigeon (nonnative)
Band-tailed Pigeon
Eurasian Collared-Dove (nonnative)
Mourning Dove
Common Ground-Dove

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 californicusl Hydroprogne caspia

Columbidae

Columba livia
Patagioenas fasciata
Streptopelia decaocto
Zenaida macroura
Columbina passerina



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

Vireos

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

Jays, Magpies and Crows

Western Scrub-Jay American Crow Common Raven

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

Vireonidae

Vireo bellii pusillus Vireo huttoni Vireo gilvus

Corvidae

Aphelocoma californica Corvus brachyrhynchos Corvus corax



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

Wood-Warblers

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

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

Parulidae

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



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

reliow-neaded Blackbi

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)

Emberizidae

Pipilo maculatus

Aimophila ruficeps canescens

Pipilo crissalis

Chondestes grammacus

Amphispiza belli belli

Passerculus sandwichensis

Melospiza melodia

Melospiza lincolnii

Cardinalidae

Piranga Iudoviciana

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 lawrencei

Spinus tristis

Passeridae

Passer domesticus

2010 Focused Surveys Valley-Ivyglen Transmission Line Project September 2010





APPENDIX B SOUTHWESTERN WILLOW FLYCATCHER SURVEY FORMS

2010 Focused Surveys Valley-lvyglen Transmission Line Project September 2010



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	ElevationS	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 Stream Totals do not equal each column. Inches resident adults. District programs, nestlings. Redglings.	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	
Site Name		ch "Bakers			Da	ate Report Completed_	
		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 fanagement 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 dete nests; 3) pl Comments	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	SCE I nd Name er, Wetland,	AKE ELS	inore			State <u>CA</u> Coun Elevation <u>38</u>	ty <u>R'</u> 35	weke	(me	eters)
						ightings attached (as requ	ired)?		Yes N	/o
Survey Co	ordinates: S S vey coordinat					UTM UTM UTM es for each survey in comm			See instru 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 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	oordinate 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) OHET MCAUGH	Date 2(MW) Start 0725 Stop 1010 Total hrs 2:45	0	O	0	8)		# Birds	Sex	UTM E	UTM N
Survey # 2 Observer(s) STEOMENS. MYCRS	Date GJONE Start 0635 Stop 1 (00 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 3030NE Start 640 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. Included the column and the column ach col	on the sum of the sum	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate	hers co	lor-bai	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 & FUVU			E-	-mail <u>Che</u>	tuegaugh (a) amor 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)			
	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	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	id Name La	KU Elsi	nore, A	Berhil	1	State <u>CA</u> Count Elevation <u>36</u> 5			(me	eters)
Creek, Riv <i>Is cop</i>	er, Wetland, y of USGS n	or Lake l nap mark	Name	cmesca urvey area	A Wash and WIFLs	ightings attached (as requi	ired)?	<u> </u>	'es V N	<i>To</i>
patches Survey Co.	ordinates: Si	5 top 40 5 top 40 tart: E 4 ton: F 11	7760 3730 E 63990 E	3	732280 N 3732040 N 3731100 N 3730(7	ightings attached (as requive N N N W UTM D N UTM	Datum Zone	NG58	(See instru	ctions)
If surv	ey coordinat	tes chang	ed betwee	n visits, en	ter coordinat	es for each survey in commenation 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, <i>Diorhabda</i> spp.]). If	(this is a individu each sur	GPS Coordinates for WIFL Detections (this is an optional column for documentin individuals, pairs, or groups of birds found each survey). Include additional sheets if necessary.		
Survey # 1 Observer(s)	Date 25 WAY						# Birds	Sex	UTM E	UTM N
CHET	Start 6635	6	0	0	ر د					
MEGAOGH	Stop 6950				11					
at ex	Total hrs 335									
Survey # 2	Date 7 June					DETERMINED TO BOA	# Birds	Sex	UTME	UTM N
Observer(s) CHET	Start OSS	1	O	0	. 1	LATE MIGRENT				
MIGAUGH	Stop 0945	•			N	(NOT EXTIMUS')				
PICANCISM	Total hrs 2055					based on sunsequent				
Survey # 3	Date 21 Juan					73	# Birds	Sex	UTM E	UTM N
Observer(s) CHET	Start 065°	U	0	D						
MEAUGH	Stop				N					
	Total hrs tos									
Survey # 4							# Birds	Sex	UTM E	UTM N
Observer(s)	Date (Juy Start 0650									
CHET	Stop 1050	0	2	0	N	:				<u> </u>
MEGAUGH	Total hrs34.									
C			***************************************							
Survey # 5 Observer(s)	Date 12 July						# Birds	Sex	UTM E	UTM N
ETEPHEN J.	Start 5 635	0	0	0	N					
Myers	Stop (320				``					
	Total hrs 3'45									
Overall Site St Totals do not equa each column. Inclu resident adults. D migrants, nestlings	l the sum of ide only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycate	hers co	lor-bar	nded? Yes	No
fledglings. Be careful not to dindividuals.		U	0	0	0	If yes, report color combines section on back of form an				
Total Survey Hrs_	1840		J		17	1				

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 Individual Stephen J. Myers						Phone # 957-369-8060 ext 111			
Reporting Individual Stephen J. Myers Affiliation AMEC Site Name Valley-Ivyglen Project (Lake Street)					E-1	Phone # 957-369-8060 ext III E-mail stephen: i-myers@amec, com Date Report Completed			
Was this site surveyed in a previous year? Yes V No Unknown									
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 u		al anno this visce	.0 17		TC		
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? Yes V No No Added a narrow strip of habitat SE of Alberhill							If no, summarize below. If no, summarize below.		
Manageme	nt Authority for	Survey Area:	Federal M	[unicipal/Count	y√ Sta	te 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:		
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 gooddingii, Solix latvigata, Eucalyptus spp.									
Average height of canopy (Do not include a range): (meters)									
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 o	ng survey site and location of fany detected WIFLs or their 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.									
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	on of How You Confirmed ory and Breeding Status ization type, pair interactions, ng attempts, behavior)		
						nosti			
ing Ang Selakat			* * * * * * * * * * * * * * * * * * * *						
		:							

		Willov	v Flycatch	ier (WIFI	L) Survey and	d Detection Form (revise	d April	2010)	•	
Site Name	SCE W	1 GLCH	" HOSTE	THER	ROAD"	State CA Cour	ntv RW	Clsil	le	
USGS Qua	d Name	ALBER	HILL			State 🔼 Cour Elevation 💈	365		(me	eters)
Creek, Riv	er, Wetland,	or Lake	Name	Temescal	_wash					
Is cop	y of USGS n	nap mark	ked with si	ırvey area	and WIFL s	ightings attached (as requ	uired)?		$Yes\underline{\times}$ N	o
Survey Co.	ordinates: S	tart: F	462250		N 3732) See No.	Datur	11/450	H (See instru	ctions)
Burvey Co.	ordinates: S S	top: E	461300		N 2737	2 800 UTM 2 800 UTM	Zone	115	<u>// (Bee msuu</u>	ctions)
If surv	rey coordinat	tes chang	ed betwee	n visits, er	iter coordinate	es for each survey in comr	nents se	ction c	n back of this	s page.
		**	Fill in ac	lditional	l site inforn	nation 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 Number of Territories		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 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	26 11 11					Coordinator	# Birds	Sex	UTM E	UTM N
Observer(s)	Date 28 May 2011				_		" Z. Kai	-	0 1111 D	O A IN TO
CHET	Start 5705	0	0	0	N					
MEANEH	Stop 10-15									
	Total hrs3.40						***************************************			
Survey # 2							# Birds	Sex	LITME	LUDANI
Observer(s)	Date 2 July						# Birds	Sex	UTM E	UTM N
	Start 6645	0		0	N					
STORIEN J.	Stop 1100		0		, ,		***************************************			
MYCRS	,									
	Total hrs 415			,						
Survey # 3	Date (Like						# Birds	Sex	UTM E	UTM N
Observer(s)	Start 6655		_		7					
STCPHENJ.		\circ	0	0	(7					
wers	Stop 1000									
	Total hrs3:05			ŧ			_			
Survey # 4	Date 2 Sixy						# Birds	Sex	UTM E	UTM N
Observer(s)	,				_					
sternen	Start 6645	0		0	N					
J. Wycks	Stop 1030									
•	Total hrs 3:45									
Survey # 5							# Birds	Sex	UTM E	UTM N
Observer(s)	Date 12 JLY			-			# Dilus	Sex	OTME	OTMIN
STONENS.	Start 6645	0	0	0	N					
well	Stop 1035									
, , . ,	·									
***************************************	Total hrs 3:50									
Overall Site St Totals do not equa each column. Incluresident adults. D migrants, nestlings	l the sum of ude only o not include	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato	chers co	lor-bar	nded? Yes	_No <u>X</u>
fledglings. Be careful not to condividuals.	ouble count	0	0	0	0	If yes, report color combi section on back of form a				

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

18:35

Total Survey Hrs

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

	Individual <u>Cti</u>				P1	ione # <u>95</u>	(36>-8060
Affiliation	MAKEC BAR	TH+ EVILLONIA	iental		E	-mail <u>cho</u>	function has also com
Site Name	SCE LYYGIC	W "HOSTETTLE	ir road"	× 7 4	D	ate Report C	ompleted
		previous year?					
				in previous ye	ars? Yes <u>≻</u>	No	Not Applicable
		at name(s) was u		al area this reas	-9 Van V	/ No	IC
		ar, did you surve			r Yes x		If no, summarize below. If no, summarize below.
Dia you su	rvey me same ge	eneral area during	g each visit to thi	s site tills year?	i es <u>p</u>	NO	II no, summarize below.
		Survey Area: ty or Owner (e.g.					ibal Private
Length of a	area surveyed:	,9 (km)				
Vegetation	Characteristics:	Check (only one	e) category that b	est describes th	e predomin	ant tree/shru	b foliar layer at this site:
N	ative 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 entirely	y, > 90% exotic	;)		
Identify the	e 2-3 predomina SALLY LAV	nt tree/shrub spec LEGATA SALLY	cies in order of d .Gcollubeu , s	ominance. Use	scientific r	names.	
Average he		Do not include a				(meters)
WIFL dete nests; 3) ph Comments	ctions; 2) sketch notos of the inter (such as start an	or aerial photo s ior of the patch, e	howing site local exterior of the pates as of survey area	tion, patch shap tch, and overall	e, survey ro site. Descri	oute, location be any uniqu	ning survey site and location of of any detected WIFLs or their e habitat features in Comments. al visits to sites, unique habitat
Territory S	ummary Table.	Provide the follo	owing informatio	n for each verif	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	Ten (e.g., voc	otion of How You Confirmed ritory and Breeding Status alization type, pair interactions, sting attempts, behavior)
					-		

Site Name USGS Qua Creek, Riv Is cop	Valley -I ad Name er, Wetland, y of USGS n	<u>vyglen</u> Lake E or Lake nap mark	Project Isinore Name_ red with si	t (Peac 2 Wn name urvey area	ch st. Outl	State CA Coun Elevation SC ightings attached (as requ	ty <u>R</u> O ired)?	ivers		eters)
Survey Co	ordinates: S S vey coordinat	tes chang	ed betwee:	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	1 ,	Nest(s) Found? Y or N If Yes, number of nests	potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If	(this is a	an option nals, pain rvey). In	es for WIFL Det 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	0	0	0	Ν		# Birds	Sex	UTM E	UTM N
Survey # 5 Observer(s) Chct Mc Gaugh	Date 14JJy 11 Start Stop Total hrs 0.33	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 onot 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 804	D -	section on back of form a Date Report Completed State Wildlife Agency I	nd repo	rt to U	SFWS.	.1
20 I 1911 gill			SFWS and	d State Wi	ldlife Agency	by September 1 st . Retain	a copy	for you	ur records.	

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

Reporting Affiliation	Individual SA	rephan I. / Yglen Praject previous year?	Myers		Ph E-	one # 951-369-8060, ext. III mail <u>stephen.j. myers@amec.</u> com ate Report Completed
Site Name Was this s	Valley - Iv	yglen Project previous year?	(Peach St.C YesNo V	ン Hiers) Unknown		
If site nam	erny that this site	hat name(s) was u	ent with that used ised in the past?	i ili previous yea	ars? Yes	No Not Applicable V
If site was	surveyed last ye	ar, did you surve eneral area during	y the same gener		? Yes _ Yes _	No If no, summarize below. No If no, summarize below.
Manageme Name of N	ent Authority for Management Enti	· Survey Area: ity or Owner (e.g.	Federal M., Tonto National	Iunicipal/Count Forest)	Sta	ate Tribal Private?
Length of	area surveyed: _	0.18 (km)			
Vegetation	n Characteristics	: Check (only one	e) category that b	est describes th	e predomin	ant tree/shrub foliar layer at this site:
<u>×</u> 1	Native broadleaf	plants (entirely o	r almost entirely	, > 90% native)		
1	Mixed native and	l exotic plants (m	ostly native, 50 -	90% native)		
1	Mixed native and	l exotic plants (m	ostly exotic, 50 -	90% exotic)		
		d plants (entirely			•	
Identify th	ie 2-3 predomina	int 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	n or aerial photo s	howing site loca	tion, patch shap	e, survey ro	ey area, outlining survey site and location of oute, location of any detected WIFLs or their be any unique habitat features in Comments.
		nd end coordinate I sheets if necessa		if changed amo	ng surveys,	supplemental visits to sites, unique habitat
Territory	Summary Table	Provide the follo	oving information	n for each verif	ad tarritor	/ at your gita
		·				
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)
	i .	*		1	,	
					,	
	. 14				,	

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 se	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	(this is a	an option als, pair rvey). Ir	es for WIFL Detenal column for d rs, or groups of b aclude additiona	ocumenting oirds 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> tte 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? The 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)	tySta	ite 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
<u> </u>	-						
Territory	Summary Table	Provide the follo	xvina informatio	on for each verif	Sad tarritar	ot vouve site	
Territory	All Dates	UTM E	UTM N	Pair	Nest		CHow Von Confirmed
Number	Detected	OIME	UIMIN	Confirmed? Y or N	Found? Y or N	Territory an (e.g., vocalizatio	How You Confirmed and Breeding Status type, pair interactions, tempts, behavior)
					,		
					<u>.</u> -		
				14. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	a a a		
with the second							

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 Gavgh	Date 14 Jviy 11 Start Stop Total hrs 0.25	0	0	0	N		# Birds	Sex	UTME	UTMN
Overall Site States Totals do not equal each column. Inclures ident adults. Displaying 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 combi section on back of form a				
Reporting	Individual _ id Wildlife S	ervice Pe	en I, p ermit#_¶ SFWS and	É 8042	l 03–9 Idlife Agency	Date Report Completed State Wildlife Agency I by September 1st. 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	

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	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>V</u> N	
Survey Co	ordinates: S S vey coordina	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	34 (See instru on back of thi	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 optio ials, pai rvey). I	es for WIFL Dete nal column for d rs, or groups of t nclude 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 McGaegh	Date 6June Start	0	0	0	N		# Birds	Sex	UTME	UTMN
, J	Stop Total hrs0.5				,					
Survey # 3 Dbserver(s) Chet McGavgh	Date 17 June 11 Start Stop Total hrs0.5	0	0	0	N		# Birds	Sex	UTM E	UTM N
Survey # 4 Dbserver(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 Gaugh	Date 4 July 11 Start Stop Total hrs 0.5	0	0	0	Ν		# Birds	Sex	UTM E	UTM N
Overall Site Stotals do not equal ach column. Included the column ach column	al the sum of ade only o not include	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 dondividuals. Cotal Survey Hrs.		0	0	0	0	If yes, report color combines section on back of form an				
Reporting	Individual d Wildlife S	Stephe ervice Pe	n J. M	yers = 8047.0	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 Stephen J. Myers Militation A. M. E. Site Name \(\frac{\pmath{\text{Min}}{\pmath{\text{Lyqlen}}} \) \(\frac{\pmath{\text{Poptent No. Myers}}{\pmath{\text{Poptent No. Myers}}} \) \(\frac{\pmath{\text{No. Move Unknown}}{\pmath{\text{Did you verify that this site name is consistent with that used in previous years? \(\pmath{\text{Yes}} \) \(\pmath{\text{No. Mov Unknown}} \) \(\pmath{\text{Did you verify that this site name is consistent with that used in previous years? \(\pmath{\text{Yes}} \) \(\pmath{\text{No. Mov Applicable V.}} \) \(\pmath{\text{If is the assure/yed last year, did you survey the same general area thin year? \(\pmath{\text{Yes}} \) \(\text{No. Mov Mov Move Move Move Move Move Move M	Attiliation	Individual 516	ephen J. M	yers		Pho	ne # 951	-369-8060 ext 111
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? Yes No Not Applicable ✓ 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? 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. 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: O. [3] (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 (mostly exotic, 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 2pp. Backwaris Salicitolia, Querces agrifolia 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, exterior of the patch, exterior 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, supplementa	Site Name	HAMEC True	alen Project (De Polma Ro	ad Outlier)	E-m Date	iails <u>tephen</u> e Report Cor	noleted
Did you verify that this site name is consistent with that used in previous years? Yes No Not Applicable / 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? 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 / No Management Entity or Owner (e.g., Tonto National Forest) Length of area surveyed: 0.13 (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 exotic, 50 - 90% native) Mixed native and exotic plants (mostly exotic, 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 200. Bacehous Salicino II a, Quercus agritolia 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. Territory Summary Table. Provide the following information for each verified territory at your site. Territory All Dates Number Detected Territory MIP	Was this s	ite surveyed in a	previous year?	Yes No V	Unknown			
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 Langth of area surveyed: O.13 (km) Wegetation 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 200. Bacehoris Salicitolia, Queccus agritolia 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. 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 Territory and Breeding Status. Yor N (e.g., vocalization type, pair interactions, Yor N (e.g., vocalization type, pair interactions, Yor N (e.g., vocalization type, pair interactions,	Did you ve	erify that this site	e name is consiste	ent with that used	in previous year	rs? Yes	_ No	Not Applicable <
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 Mame of Management Entity or Owner (e.g., Tonto National Forest) Length of area surveyed: O.13 (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 200. Bacchanis Salicitolia, Quercus agritolia 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. Territory Summary Table. Provide the following information for each verified territory at your site. Territory All Dates Number Detected UTME UTM Pair Nest Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, e.g., ovcalization type, pair interactions, e.g., ovcalization type, pair interactions,					al area this vear?	Yes	No	If no summarize below
Name of Management Entity or Owner (e.g., Tonto National Forest) Length of area surveyed:								
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Territory All Dates Number Detected UTM E UTM N Pair Nest Description of How You Confirmed Confirmed? Found? Found? Territory and Breeding Status Y or N Y or N (e.g., vocalization type, pair interactions,								
Number Detected Confirmed? Found? Territory and Breeding Status Y or N Y or N (e.g., vocalization type, pair interactions,	Territory S	Summary Table.	Provide the follo	wing informatio	n for each verifie	ed territory	at your site.	
Number Detected Confirmed? Found? Territory and Breeding Status Y or N Y or N (e.g., vocalization type, pair interactions,								ion of How Von Confirmed
According accompany contavior)	Territory			LIIMN	Pair	Nest		
	- 1	Detected	OTME	UIMN	Confirmed?	Found?	(e.g., vocal	ory and Breeding Status ization type, pair interactions,
	- 1	Detected	OTME	UIMN	Confirmed?	Found?	(e.g., vocal	ory and Breeding Status ization type, pair interactions,
	- 1	Detected	OTME	UIMN	Confirmed?	Found?	(e.g., vocal	ory and Breeding Status ization type, pair interactions,
	- 1	Detected	OTME	UIM N	Confirmed?	Found?	(e.g., vocal	ory and Breeding Status ization type, pair interactions,
	- 1	Detected	OTME	UIM N	Confirmed?	Found?	(e.g., vocal	ory and Breeding Status ization type, pair interactions,

Site Name USGS Qua	Valley -I				하늘 보이는 얼룩하셨다.	State CA Count Elevation 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	: "	Ph	one # 951 - 369 - 8060 ext (11
Affiliation	AMEC	0	T. 15 1	A 61: \	E-:	one # 951 -369 -8060 ext (11) mail stephen; myers@amec.com te Report Completed
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 the same go	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)		
l	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>						
						· · · · · · · · · · · · · · · · · · ·
				•		
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 sar bakel	

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				•	State A County Elevation 32 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	1804ZC	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		Ph	one # <u>951-</u>	369-8060 ex	<u>+11</u> 1
Site Name	Velley-Ivygle	en Project (Yard Outli	er)	E- Da	mail <u>stephen</u> ate Report Con	369-8060 cx nojomyers@a. apleted_	<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 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 estados.</u> O moração								MATERIAL 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			4.7			

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	evs		Pho	one # 957-369-	8060 ext 111 yers @amic.com
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					

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	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 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 Some Totals do not equal each column. Includes the 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 Standard AMEC NaViey - Ivyglaite surveyed in a	ephen J. My en Project (T previous year?)	iers iemescal 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 PROPE
					i i i i i i i i i i i i i i i i i i i	***************************************	

Site Name USGS Qua Creek, Riv	Valley -Ind Name	vyglen akc 1	<u>Project</u> <u>1athews</u> Name	- CBqsir	outlier)	State CA Count Elevation 3 Z			/de (me	eters)
				urvey area	and WIFL s	ightings attached (as requi	red)?	J	res√ N	To
Survey Co-	ordinates: S S vey coordina	tes chang	ed betwee	n visits, en	iter coordinate	720 UTM 660 UTM es for each survey in comm	ents sec	ction o	$\frac{\mathcal{H}}{\mathbf{H}}$ (See instrum) n back of this	ctions)
		**	Fill in ac	dditional	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, Diorhabda spp.]). If Diorhabda found, contact USFWS and State WIFL coordinator	(this is a	an option als, pair vey). Ir	es for WIFL Dete nal column for do s, or groups of b nclude additional	ocumenting irds found on
Survey # 1 Observer(s)	Date 24 May 11					- 00	# Birds	Sex	UTME	UTM N
Chet McGaugh	Start	0	0	0	<i></i> ₩	Start and mornings, at this s				
Survey # 2	Date					V 20 5	# Birds	Sex	UTM E	UTM N
Observer(s) Chet McGaugh	Start 655 Stop 1010 Total hrs 4	0	Ô	0	N	site is a				
Survey # 3 Observer(s) Chet Mc Gaugh	Date 17June II Start 0630 Stop 1130 Total hrs 5	0	6	0	Ν	t bottom o	# Birds	Sex	UTM E	UTM N
Survey # 4 Dbserver(s) Chet McGaugh	Date 28 June II Start 0645 Stop II 15 Total hrs 4.5	0	0	0	N	entire s to time tom.	# Birds	Sex	UTM E	UTMN
Survey #5 Dbserver(s) Chet McGaugh	Date 14 July 11 Start 06 25 Stop 1060 Total hrs 3-5	0	0	0	N	Spent	# Birds	Sex	UTM E	UTMN
Overall Site Si Totals do not equa ach column. Inclusives ident adults. Disignants, nestlings ledglings.	on the sum of the sum	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato				ANO_
Be careful not to dondrividuals. Total Survey Hrs		0	0	0	0	If yes, report color combines section on back of form and				
Reporting	Individual _	Stephe	n J. A	Nyers		I Date Report Completed			11	
US Fish ar	id Wildlife S <u>Submit</u> f	ervide Pe orm to U	ermit # <u>7</u> SFWS an	E' 8047 d State Wi	203-9 Idlife Agency	State Wildlife Agency I by September 1 st . Retain i	ermit #	for you	- 1951 ur records.	

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	ieß		Pho	one # 951-3	369-8060 ect 111
Affiliation	AMEC	entroject (Peri O II		E-1	nail stephen	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 🗸	Not Applicable
		nat name(s) was u ar, did you survey		al area this year	2 Van	/ No	If no, summarize below.
		ar, did you survey eneral area during					If no, summarize below. If no, summarize below.
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	r 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)			
1	Exotic/introduced	l plants (entirely o	or almost entirely	y, > 90% exotic)		
Identify th	ie 2-3 predomina × spp.	nt tree/shrub spec B <i>acchanis</i>	cies in order of d Salicitolia	ominance. Use , Tamari	scientific n	ames. Osissima	
	• •	Do not include a				(meters)	
WIFL detenests; 3) p	ections; 2) sketch hotos of the inter s (such as start ar	or aerial photo si ior of the patch, e	howing site locate xterior of the pate s of survey area	tion, patch shap ch, and overall	e, survey ro site. Describ	ute, location of se any unique	ing survey site and location of of any detected WIFLs or their habitat features in Comments. visits to sites, unique habitat
Tomitom	Common Table	Provide the follo		· · · · · · · · · · · · · · · · · · ·			
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)
						The state of the s	
	salika ji tuu						
				_ :			



APPENDIX C WESTERN YELLOW-BILLED CUCKOO SURVEY FORMS

2010 Focused Surveys Valley-lvyglen Transmission Line Project September 2010



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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 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

Facole Site Name: Backev Street Transect #: Survey Period: Visit #: Date: O 6 2	02011										Bree Cod			, , , , , , , , , , , , , , , , , , ,		27 							1,114,111				
Transect #: Start GPS acc. (m): Transect Start Tile	6 2					nc Gaugh																					
Transect #: Start Ame: Bafear Transect #: Start GPS acc. (m): Transect Start Transect Start Transect Start Transect Start T	Date:	ime:	me:	,		Chet 1	to Entry.	ita	rification:																		The same of the sa
te Code: Site Name: Bakev Street Transect #: Survey Period: Tainage: Habitat: GPS ac. (m): TM Stop N Start GPS ac. (m): State: State: Stop GPS ac. (m): Stop Start GPS ac. (m): State	it #:	t Start T	at Stop Ti	•	<u>.</u> .	bserver:	1				Be	aring (°)		ON THE PROPERTY OF THE PROPERT													The state of the s
rainage: Tainage: Tainage: TM Start E: TM Start N: TM Stop Dr. TM Stop Dr. TM Stop Dr. Todadcast te Owner: Start GPS Todadcast Time Todadcast Time Todadcast Todadcast Time Todadcast Todadcast Time Todadcast	-	1 1	Transec	Zone	NAD	0				art/stop:			+						-	3							
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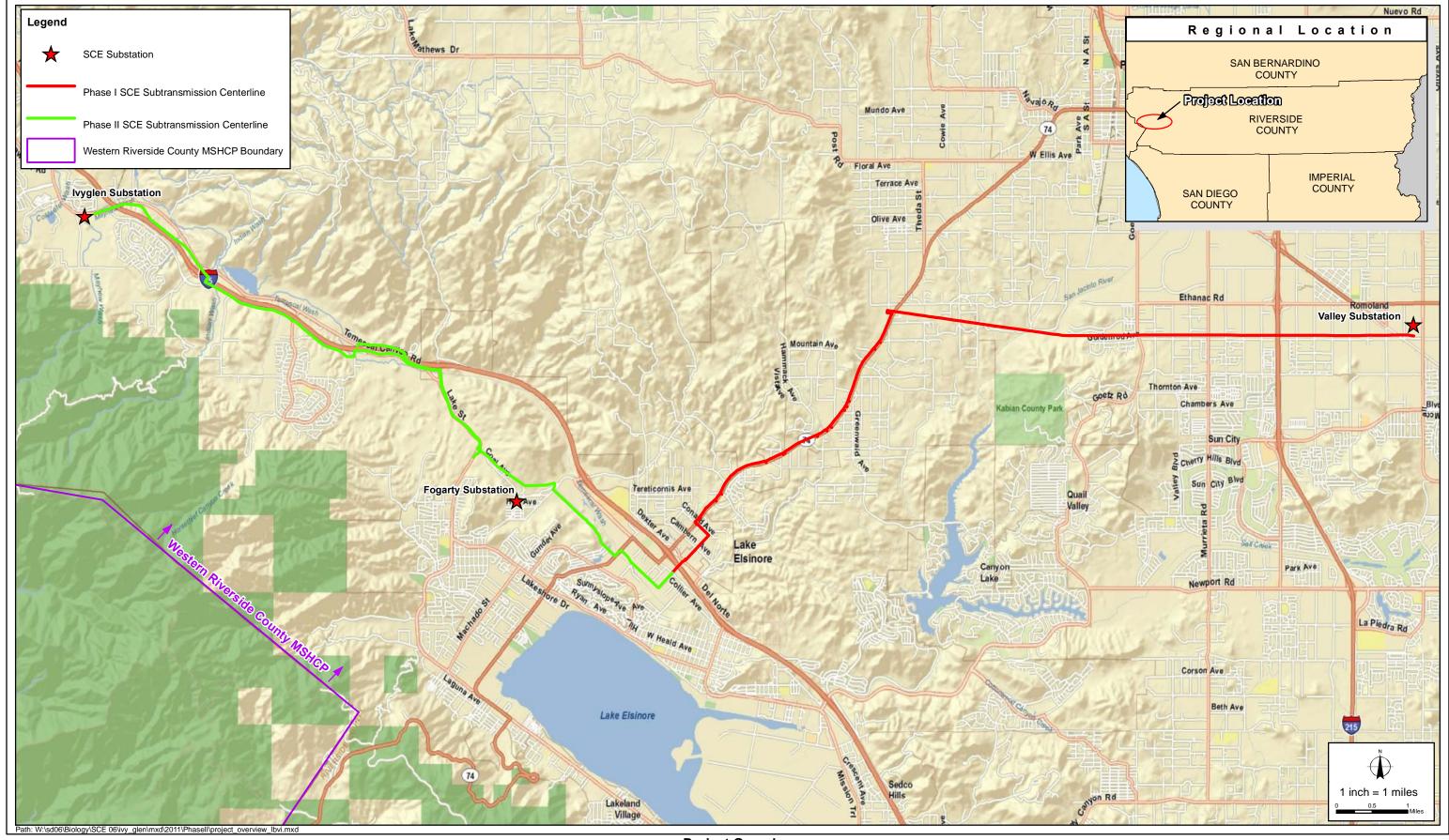


APPENDIX D MAPS OF SURVEY AREAS AND SURVEY RESULTS

2010 Focused Surveys Valley-lvyglen Transmission Line Project September 2010



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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

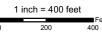


Locator Map



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

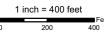
Least Bell's Vireo, Southwestern Willow Flycatcher and Western Yellow-billed Cuckoo Survey Area

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

