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RESULTS OF FOCUSED SURVEYS FOR THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOR THE VALLEY-IVYGLEN SUBTRANSMISSION LINE PROJECT, PHASE 1 RIVERSIDE COUNTY, CALIFORNIA

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AMEC Project No. 1255400498

EXECUTIVE SUMMARY

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

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ACRONYMS AND ABBREVIATIONS

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

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1.0 INTRODUCTION

At the request of Southern California Edison (SCE), AMEC Environment & Infrastructure, Inc. (AMEC) conducted focused surveys for the state and federally listed as endangered Least Bell's Vireo (*Vireo belli pusillus*) and Southwestern Willow Flycatcher (*Empidonax traillii extimus*). Surveys were conducted at suitable habitat patches along the Valley-Ivyglen Transmission Line Project, Phase 1 (see Appendix A, Figures 1-3). These patches are locations where these subspecies have not been detected in previous survey years (AMEC 2007, 2009, 2011, 2012). The surveys were performed to satisfy requirements of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) (Riverside County 2003). This report presents the findings of those focused surveys

1.1 Project Description

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

The proposed Phase 1 transmission line route (project) is located entirely in western Riverside County, California. It traverses portions of unincorporated county and the cities of Menifee, Perris, and Lake Elsinore (see Appendix A, Figure 1). The route traverses portions of the Lake Elsinore and Romoland United States Geological Survey (USGS) 7.5-minute series topographic quadrangles (see Appendix A, Figures 2-1 and 2-2).

This report concerns focused surveys conducted within the Phase 1 portion of the project area; Phase 2 will not be discussed further. Appropriate habitat was surveyed along the proposed transmission line right-of-way (ROW) and a 500-foot buffer from the centerline of the proposed ROW (study area), with the exception of areas that already have established occurrences of Least Bell's Vireos.

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

1.2 Survey Areas

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

1. Goldenrod Avenue: approximate UTM of survey area: Zone 11, 478950E, 3732690N (NAD27). This point occurs on lands mapped on the USGS 7.5 minute *Romoland, Calif* quadrangle.

2. Alabaster Loop: approximate UTM of survey area: Zone 11, 475389E, 3733085N (NAD27). This point occurs on lands mapped on the USGS 7.5 minute *Romoland, Calif* quadrangle.
3. El Freso: approximate UTM of survey area: Zone 11, 478330E, 3732650N (NAD27). This point occurs on lands mapped on the USGS 7.5 minute *Lake Elsinore, Calif* quadrangle.
4. Peach Street: approximate UTM at north end of survey area: Zone 11, 472580E, 3730997N (NAD27); approximate UTM at south end of survey area: Zone 11, 472612E, 3730803N (NAD27). These points occur on lands mapped on the USGS 7.5 minute *Lake Elsinore, Calif.* quadrangle.
5. Wasson Canyon: approximate UTM at north end of survey area: Zone 11, 472339E, 3730799N (NAD27); approximate UTM at south end of survey area: Zone 11, 472425E, 3730494N (NAD27). These points occur on lands mapped on the USGS 7.5 minute *Lake Elsinore, Calif.* quadrangle. Report cover photo is of this survey area, taken from the south end looking north.
6. Rosetta Canyon: approximate UTM at west end of survey area: Zone 11, 469844E, 3729121N (NAD27); approximate UTM at east end of survey area: Zone 11, 469995E, 3729143N (NAD27). These points occur on lands mapped on the USGS 7.5 minute *Lake Elsinore, Calif.* quadrangle.

Maps of the survey areas can be found in Appendix A, and photos of the survey areas can be found in Appendix E.

1.3 Species Information: Least Bell's Vireo

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

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

1.4 Species Information: Southwestern Willow Flycatcher

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

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

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

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2.0 METHODS

2.1 Least Bell's Vireo and Southwestern Willow Flycatcher

In accordance with the currently accepted survey protocol for the Least Bell's Vireo (USFWS 2001), each site was surveyed eight times by AMEC biologists. The LBV protocol requires surveys to be conducted at least 10 days apart from 10 April to 31 July. The SWF protocol requires five surveys, and that the first survey be performed from 15 May to 31 May, the next two surveys from 1 June to 24 June, and the final two surveys from 25 June and 17 July (Sogge et al. 2010), with at least five days between surveys. 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 two target species. During the SWF surveys, recordings of their vocalizations were broadcast as required by protocol. All bird species detected during the surveys were recorded in field notes and a list of them was compiled for Appendix B. Field forms for the SWF are presented in Appendix C.

Due to the small size of the riparian patches, all areas were surveyed in a single morning on each visit. Surveys were performed by Stephen J. Myers (TE804203) and John F. Green (TE054011). Table 1 summarizes the surveys. The survey areas are illustrated in Appendix A on Figures 2-1 and 2-2 (USFWS required topographic maps) which correspond to Figures 3-1 through 3-6 (aerial photos).

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

Date	Observer	Time (PST)	Temp. (°F)	Wind (mph)	Sky (% cover)
10 April 2013	John F. Green	0800-1000	69-71	2-5	0
26 April 2013	John F. Green	0735-0940	63-76	0	0
8 May 2013	Stephen J. Myers	0830-1025	65-73	0-2	50-70
20 May 2013†	John F. Green	0650-0850	65-80	1-3	0
3 June 2013†	Stephen J. Myers	0440-0650	58-65	0-2	100-80
19 June 2013†	John F. Green	0520-0735	60-70	0-2	0
3 July 2013†	Stephen J. Myers	0445-0715	69-80	0	60-50
15 July 2013†	Stephen J. Myers	0520-0800	67-85	0	0

Notes:
† SWF and LBV surveys conducted concurrently. Other surveys were for LBV only.

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3.0 RESULTS

3.1 Habitat Description

The six survey areas are all vegetated with plants typical of lowland riparian areas in Southern California, including willows (*Salix* spp.), Mulefat (*Baccharis salicifolia*), and Fremont Cottonwoods (*Populus fremontii*).

The ***Goldenrod Avenue*** survey area was part of a poorly defined drainage in the past (judging from topographic maps and old aerial photos), but probably did not support riparian vegetation. Runoff from new housing developments has created and sustained this patch, and surface water was present throughout the survey season.

The ***Alabaster Loop*** survey area is on a former USGS mapped blueline intermittent stream, but again likely did not support riparian vegetation in the past. The drainage was highly modified by development, and the riparian patch is sustained by runoff. Surface water was present throughout the survey season.

The ***El Freso*** survey area is in a small, narrow canyon above a USGS mapped, intermittent, unnamed stream. It appears to be supported by groundwater and/or runoff from an adjacent rural residence, but no surface water was visible during the season.

The ***Peach Street*** survey area was also part of a poorly defined drainage in the past, which probably did not support riparian vegetation. It is split by Highway 74, which it crosses under through a culvert. Runoff from Highway 74 and rural residential in the area has sustained the riparian vegetation here, but drought conditions this year resulted in no surface water present during the survey season. Some riparian vegetation near Highway 74 was damaged/removed from the north patch prior to the survey season, possibly for flood control maintenance.

The ***Wasson Canyon*** survey area is in a relatively large and well defined drainage mapped by the USGS as an intermittent stream. It is split by Highway 74, which it crosses under through large culverts. It gains some water through runoff from Highway 74 and rural residences, but rarely contains surface water, and contained none during this season. It may have historically sustained riparian vegetation.

Finally, the ***Rosetta Canyon*** survey area was part of yet another poorly defined drainage in the past which probably did not support riparian vegetation. It is split by Highway 74, which it crosses under through a culvert. Runoff from Highway 74 and rural residences and businesses now sustain riparian vegetation on the north side of the highway, and a new patch has developed on the south side which was once scraped bare (several years ago). Surface water was present throughout the survey season.

Appendix A has maps of the survey areas and Appendix E has photographs of them.

3.2 Survey Results

Sixty-two bird species were detected during the 2013 Phase 1 riparian birds focused surveys. Among them were the following birds that are typical of lowland riparian habitats in southern California: Mourning Dove (*Zenaida macroura*), Black-chinned Hummingbird (*Archilochus alexandri*), Nuttall's Woodpecker (*Picoides nuttallii*), Black Phoebe (*Sayornis nigricans*), Bushtit (*Psaltriparus minimus*), House Wren (*Troglodytes aedon*), Yellow Warbler (*Setophaga petechia*), Common Yellowthroat (*Geothlypis trichas*), Song Sparrow (*Melospiza melodia*), and Lesser Goldfinch (*Spinus psaltria*). A complete list is attached as Appendix B.

3.2.1 Southwestern Willow Flycatcher

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

3.2.2 Least Bell's Vireo

A single, singing Least Bell's Vireo was detected on multiple survey days at the northern patch of the Rosetta Canyon survey area (see Appendix A, Figure 3-6). Only the singing male was ever seen/heard; breeding success is unknown.

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APPENDIX A

FIGURES

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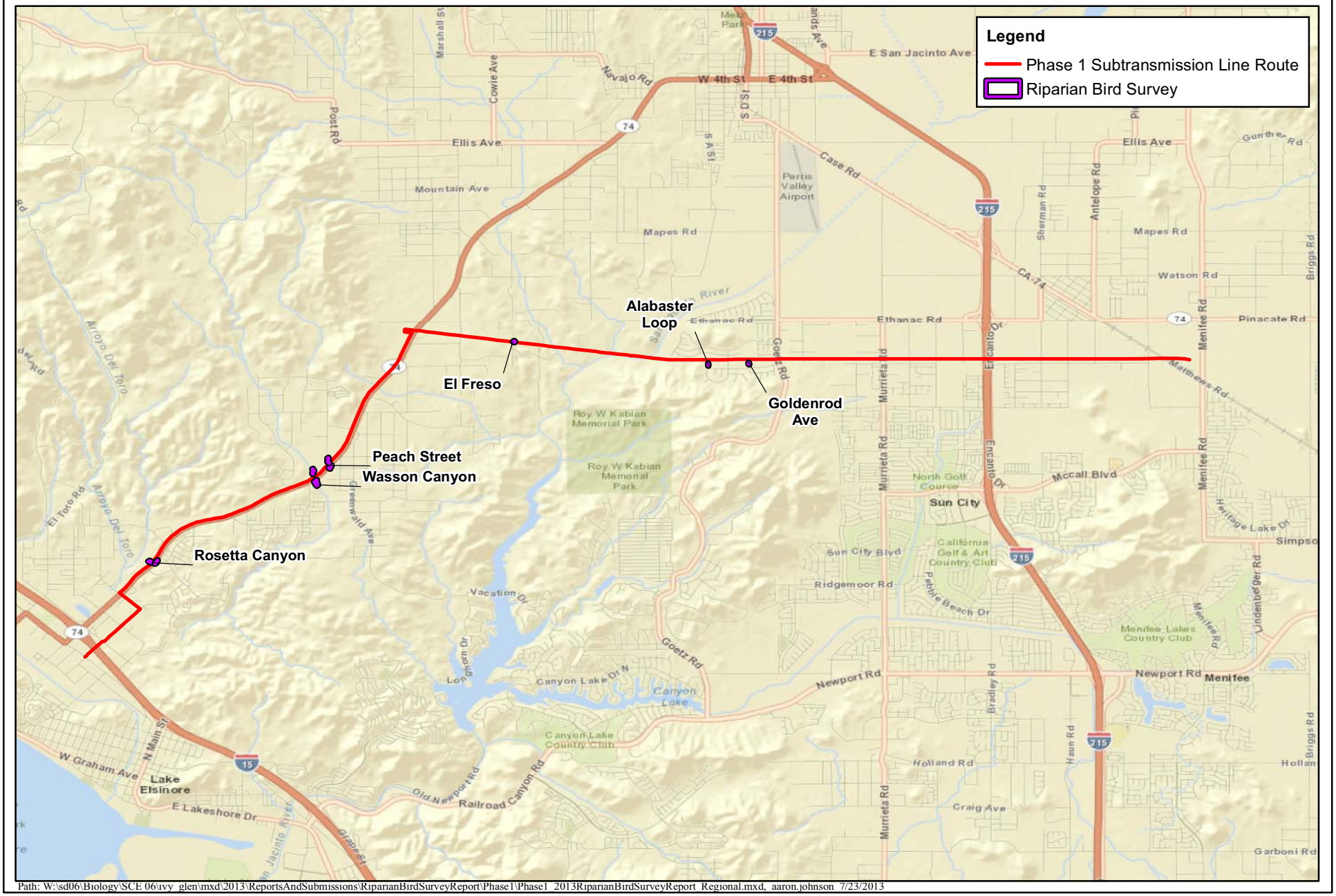

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Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, METI, TomTom, 2012

amec

Regional Map
2013 Riparian Bird Focused Surveys
Valley-Ivyglen Subtransmission Line Project: Phase 1
Riverside County, CA

1 inch = 1.5 miles
0 0.75 1.5 Miles

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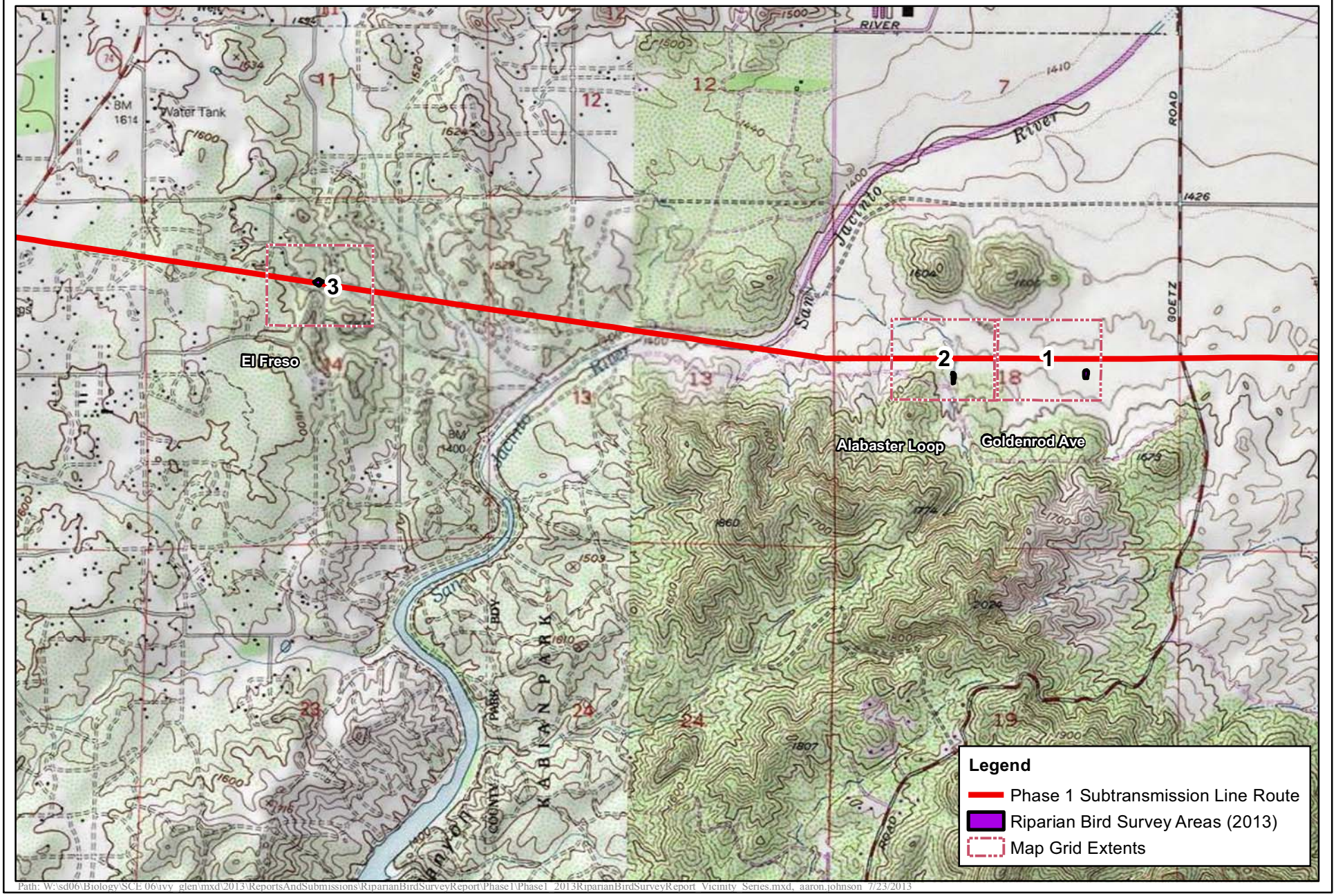
FIGURE
1



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Topo Source: 2011 National Geographic Society, i-cubed

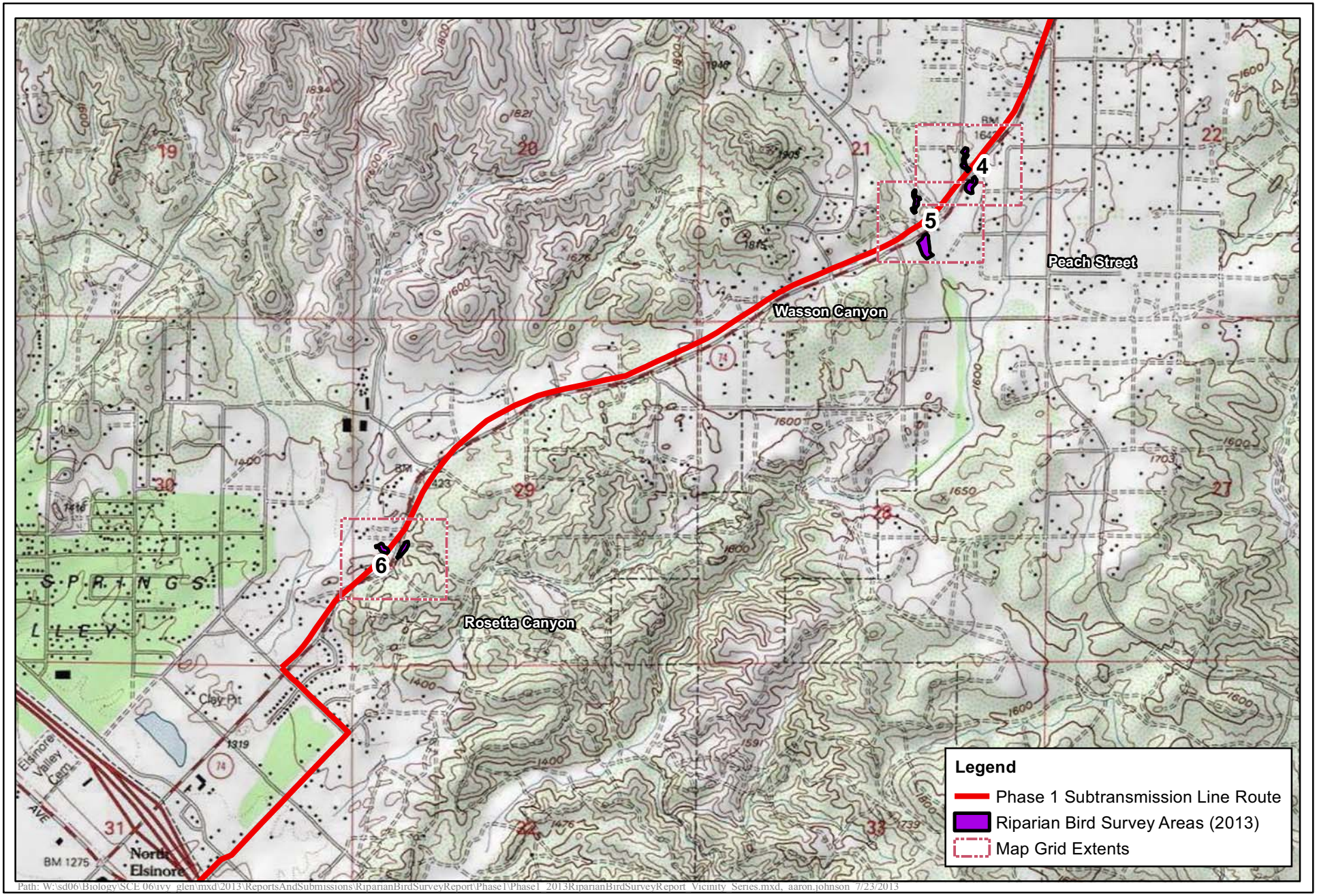
amec

Project Location
2013 Riparian Bird Focused Surveys
Valley-Ivyglen Subtransmission Line Project: Phase 1
Riverside County, CA

1 inch = 2,017.4 feet
0 1,000 2,000 Feet

N

FIGURE
2-1



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amec

Project Location
2013 Riparian Bird Focused Surveys
Valley-Ivyglen Subtransmission Line Project: Phase 1
Riverside County, CA

1 inch = 2,000 feet
0 1,000 2,000 Feet

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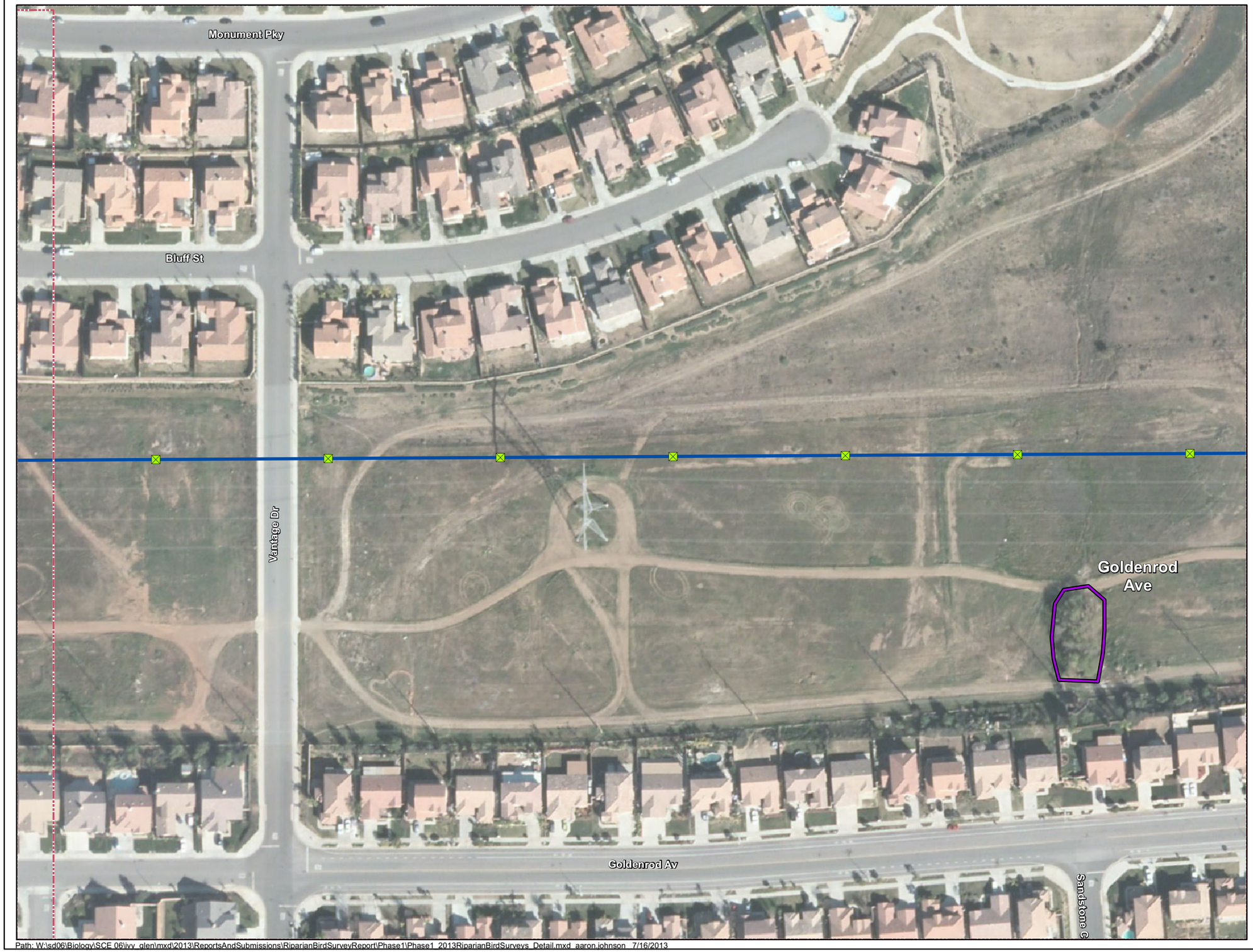
FIGURE
2-2



Legend

Project Features

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

Sensitive Species Data (AMEC)

- Sensitive Species (2013)

amec

1 inch = 125 feet

0 60 120 Feet

N

2013 Riparian Bird Focused Surveys
Valley - Ivyglen Subtransmission Line Project
Phase 1

Figure 3-1

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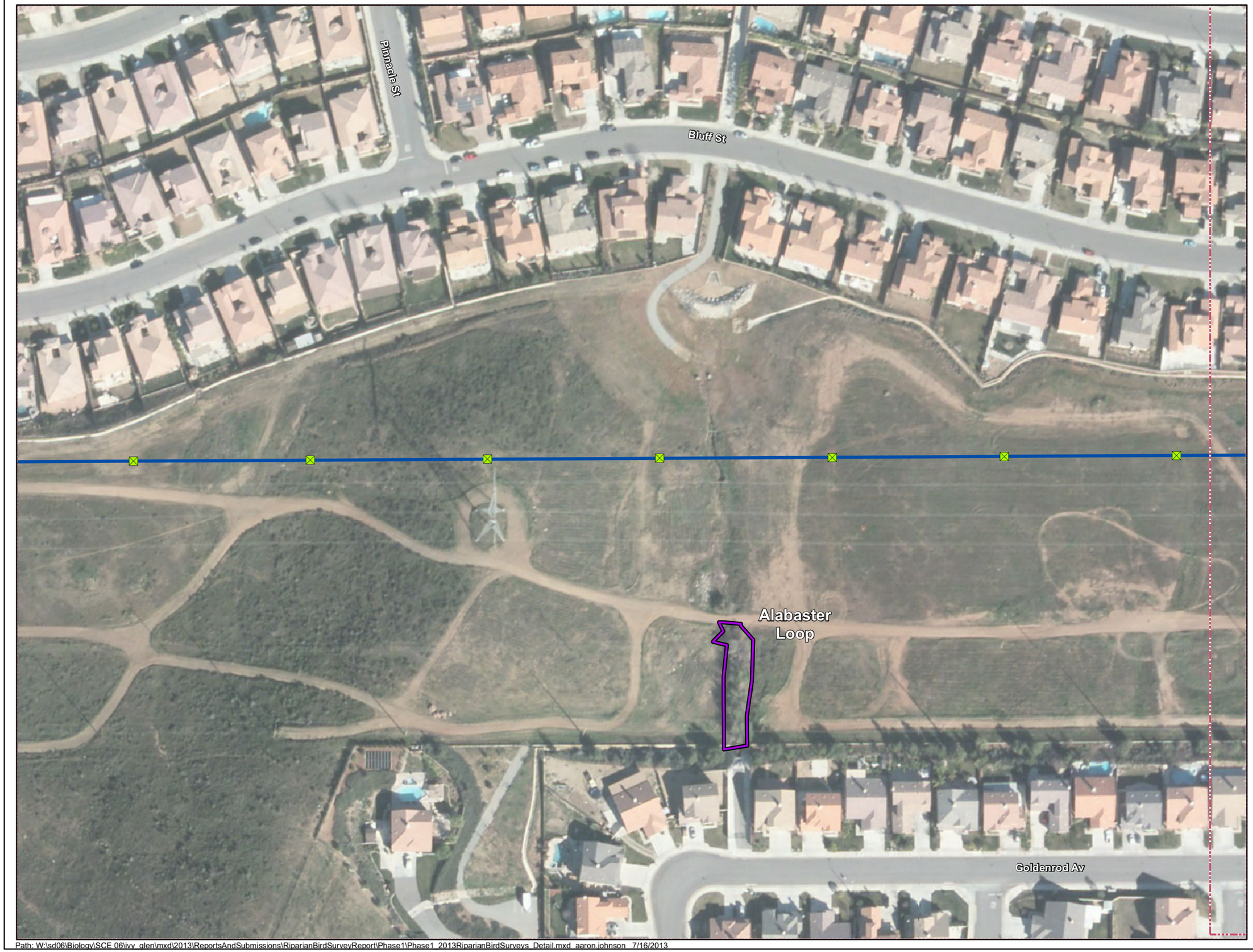

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Project Features

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

Sensitive Species Data (AMEC)

- Sensitive Species (2013)

1 inch = 125 feet

0 60 120 Feet

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2013 Riparian Bird Focused Surveys
Valley - Ivyglen Subtransmission Line Project
Phase 1

Figure 3-2

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Project Features

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

Sensitive Species Data (AMEC)

- Sensitive Species (2013)

1 inch = 125 feet

0 60 120 Feet

N

2013 Riparian Bird Focused Surveys
Valley - Ivyglen Subtransmission Line Project
Phase 1

Figure 3-3

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Legend

Project Features

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

Sensitive Species Data (AMEC)

- Sensitive Species (2013)

amec

1 inch = 125 feet

0 60 120 Feet

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2013 Riparian Bird Focused Surveys
Valley - Ivyglen Subtransmission Line Project
Phase 1

Figure 3-4

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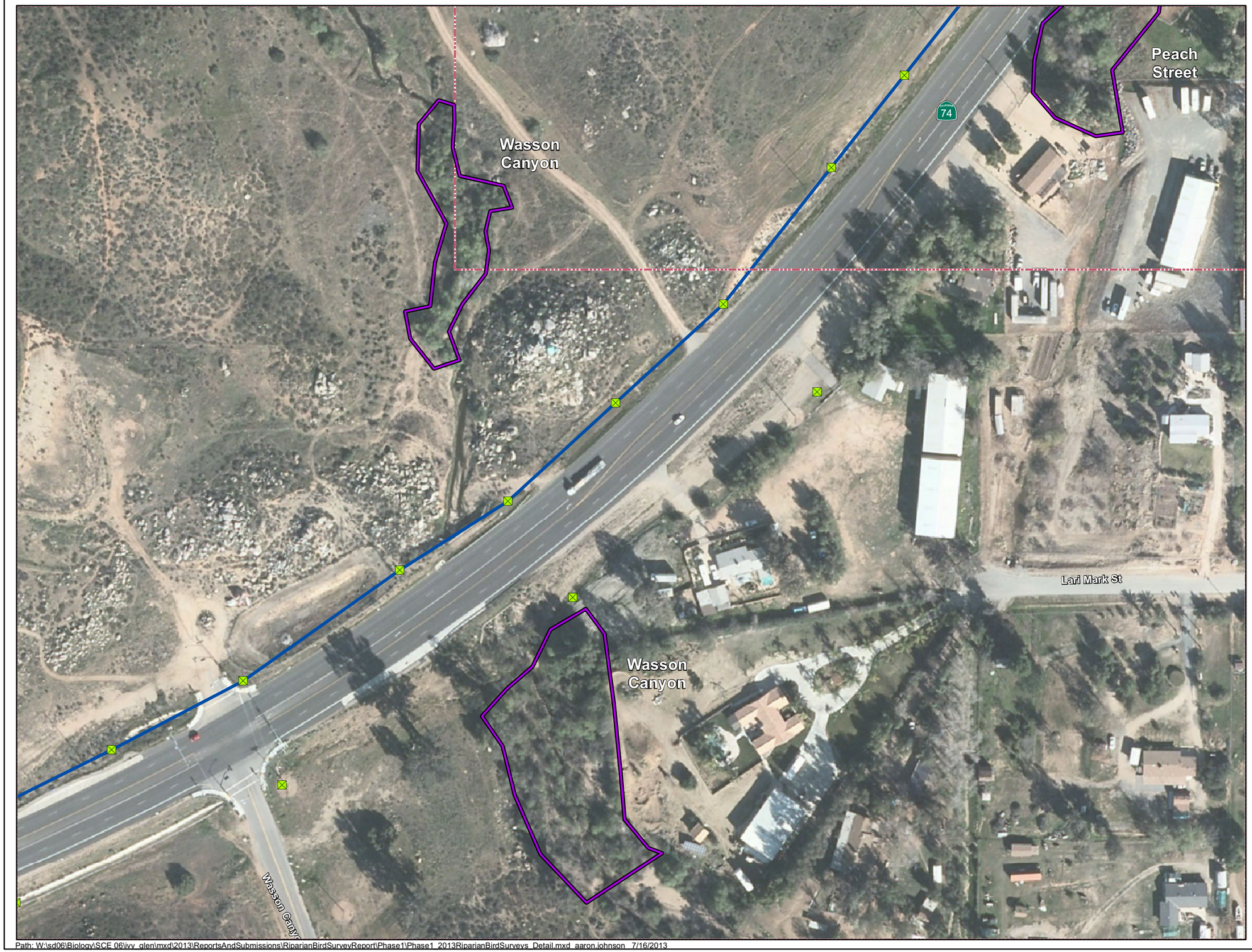

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Project Features

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

Sensitive Species Data (AMEC)

- Sensitive Species (2013)

1 inch = 125 feet

0 60 120 Feet

N

2013 Riparian Bird Focused Surveys
Valley - Ivyglen Subtransmission Line Project
Phase 1

Figure 3-5

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Legend

Project Features

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

Sensitive Species Data (AMEC)

- Sensitive Species (2013)

amec

1 inch = 125 feet

0 60 120 Feet

N

2013 Riparian Bird Focused Surveys
Valley - Ivyglen Subtransmission Line Project
Phase 1

Figure 3-6

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APPENDIX B

BIRD SPECIES LIST

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Appendix B
Bird Species List

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

SYMBOLS AND ABBREVIATIONS:

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

BIRDS	**AVES**
New World Quail	**Odontophoridae**
California Quail	*Callipepla californica*
Bitterns and Herons	**Ardeidae**
Great Blue Heron	*Ardea herodias*
Great Egret	*Ardea alba*
Snowy Egret	*Egretta thula*
American Vultures	**Cathartidae**
Turkey Vulture	*Cathartes aura*
Hawks, Kites, Eagles	**Accipitridae**
**Cooper's Hawk	*Accipiter cooperii*
Red-shouldered Hawk	*Buteo lineatus*
Red-tailed Hawk	*Buteo jamaicensis*
Plovers and Lapwings	**Charadriidae**
Killdeer	*Charadrius vociferus*
Pigeons and Doves	**Columbidae**
*Rock Pigeon	*Columba livia*
*Eurasian Collared-Dove	*Streptopelia decaocto*
Mourning Dove	*Zenaida macroura*
Cuckoos, Roadrunners, Allies	**Cuculidae**
Greater Roadrunner	*Geococcyx californianus*

Hummingbirds	**Trochilidae**
Black-chinned Hummingbird	*Archilochus alexandri*
Anna's Hummingbird	*Calypte anna*
Rufous / Allen's Hummingbird	*Selasphorus* sp.
Woodpeckers and Allies	**Picidae**
Nuttall's Woodpecker	*Picoides nuttallii*
Northern Flicker	*Colaptes auratus*
Falcons	**Falconidae**
American Kestrel	*Falco sparverius*
Flycatchers	**Tyrannidae**
Black Phoebe	*Sayornis nigricans*
Say's Phoebe	*Sayornis saya*
Cassin's Kingbird	*Tyrannus vociferus*
Western Kingbird	*Tyrannus verticalis*
Vireos	**Vireonidae**
**Least Bell's Vireo	*Vireo bellii pusillus*
Jays, Magpies and Crows	**Corvidae**
American Crow	*Corvus brachyrhynchos*
Common Raven	*Corvus corax*
Larks	**Alaudidae**
**Horned Lark	*Eremophila alpestris*
Swallows	**Hirundinidae**
Northern Rough-winged Swallow	*Stelgidopteryx serripennis*
Cliff Swallow	*Petrochelidon pyrrhonota*
Long-tailed Tits and Bushtits	**Aegithalidae**
Bushtit	*Psaltriparus minimus*
Wrens	**Troglodytidae**
House Wren	*Troglodytes aedon*
Bewick's Wren	*Thryomanes bewickii*
Thrushes	**Turdidae**
Western Bluebird	*Sialia mexicana*
Mockingbirds, Thrashers, and Allies	**Mimidae**
Northern Mockingbird	*Mimus polyglottos*
California Thrasher	*Toxostoma redivivum*

Starlings and Allies	**Sturnidae**
*European Starling	*Sturnus vulgaris*
Silky-flycatchers	**Ptilogonatidae**
Phainopepla	*Phainopepla nitens*
Wood-Warblers	**Parulidae**
Orange-crowned Warbler	*Oreothlypis celata*
Nashville Warbler	*Oreothlypis ruficapilla*
MacGillivray's Warbler	*Geothlypis tolmiei*
Common Yellowthroat	*Geothlypis trichas*
**Yellow Warbler	*Setophaga petechia*
Black-throated Gray Warbler	*Setophaga nigrescens*
Yellow-rumped Warbler	*Setophaga coronata*
Wilson's Warbler	*Cardellina pusilla*
Emberizines	**Emberizidae**
Spotted Towhee	*Pipilo maculatus*
**Southern California Rufous-crowned Sparrow	*Aimophila ruficeps canescens*
California Towhee	*Melozone crissalis*
Lark Sparrow	*Chondestes grammacus*
Song Sparrow	*Melospiza melodia*
White-crowned Sparrow	*Zonotrichia leucophrys*
Cardinals and Allies	**Cardinalidae**
Western Tanager	*Piranga ludoviciana*
Blue Grosbeak	*Passerina caerulea*
Blackbirds and Allies	**Icteridae**
Western Meadowlark	*Sturnella neglecta*
Brewer's Blackbird	*Euphagus cyanocephalus*
Brown-headed Cowbird	*Molothrus ater*
Hooded Oriole	*Icterus cucullatus*
Bullock's Oriole	*Icterus bullockii*
Finches and Allies	**Fringillidae**
House Finch	*Haemorhous mexicanus*
Lesser Goldfinch	*Spinus psaltria*
American Goldfinch	*Spinus tristis*
Old World Sparrows	**Passeridae**
*House Sparrow	*Passer domesticus*

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APPENDIX C

SWF SURVEY FORMS

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Appendix 1. Willow Flycatcher Survey and Detection Form

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

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

Site Name Valley-Ivyglen, Phase 1, Goldenrod Ave. State CA County Riverside
USGS Quad Name Romoland Elevation 440 (meters)
Creek, River, Wetland, or Lake Name unnamed
Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? *Yes* X *No* ___

Survey Coordinates: Start: E 478945 N 3732706 UTM Datum NAD27 (See instructions)
Stop: E 478941 N 3732645 UTM Zone 11
If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page.
** *Fill in additional site information on back of this page* **

Survey # / Observer(s) (Full Name)	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	GPS Coordinates for WIFL Detections (this is an optional column for documenting individuals, pairs, or groups of birds found on each survey). Include additional sheets if necessary.			
							# Birds	Sex	UTM E	UTM N
Survey # 1 Observer(s) John F. Green	Date 20 May Start 0650 Stop 0850 Total hrs 2	0	0	0	N	—				
Survey # 2 Observer(s) Stephen J. Myers TE804203	Date 3 Jun Start 0440 Stop 0650 Total hrs 2h, 10m	0	0	0	N	—				
Survey # 3 Observer(s) Green	Date 19 Jun Start 0520 Stop 0735 Total hrs 2h, 15m	0	0	0	N	—				
Survey # 4 Observer(s) Myers	Date 3 Jul Start 0445 Stop 0715 Total hrs 2h, 30m	0	0	0	N	—				
Survey # 5 Observer(s) Myers	Date 15 Jul Start 0520 Stop 0800 Total hrs 2h, 40m	0	0	0	N	—				

Overall Site Summary Totals do not equal the sum of each column. Include only resident adults. Do not include migrants, nestlings, and fledglings. Be careful not to double count individuals. 11 h., 35m. Total Survey Hrs	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatchers color-banded? Yes___ No ___ If yes, report color combination(s) in the comments section on back of form and report to USFWS. N/A
	0	0	0	0	

Reporting Individual John F. Green Date Report Completed 16 July 2013
US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # SC-001951 attachment

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

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

Reporting Individual John F. Green Phone # 951-369-8060
Affiliation AMEC E-mail john.f.green@amec.com
Site Name Valley - Ivyglen Phase 1, Goldenrod Ave. Date Report Completed 16 July 2013
Was this site surveyed in a previous year? Yes ✓ No ___ Unknown ___
Did you verify that this site name is consistent with that used in previous years? Yes ✓ No ___ Not Applicable ___
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 ___
Name of Management Entity or Owner (e.g., Tonto National Forest) Unknown

Length of area surveyed: 0.04 (km)

Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site:

✓ Native broadleaf plants (entirely or almost entirely, > 90% native)

___ Mixed native and exotic plants (mostly native, 50 - 90% native)

___ Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)

___ Exotic/introduced plants (entirely or almost entirely, > 90% exotic)

Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix spp., Baccharis salicifolia

Average height of canopy (Do not include a range): 5 (meters)

Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments.

Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if necessary.
Survey times are for full morning, including visits to other patches.
PDT = Pacific Daylight Time

Territory Summary Table. Provide the following information for each verified territory at your site.

Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)

Attach additional sheets if necessary

Appendix 1. Willow Flycatcher Survey and Detection Form

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

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

Site Name Valley-Ivyglen, Phase I, Alabaster Loop State CA County Riverside
USGS Quad Name Romoland Elevation 450 (meters)
Creek, River, Wetland, or Lake Name unnamed
Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? *Yes* X *No* ___

Survey Coordinates: Start: E 478334 N 3732688 UTM Datum NAD27 (See instructions)
Stop: E 478337 N 3732640 UTM Zone 11
If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page.
*** Fill in additional site information on back of this page ****

Survey # / Observer(s) (Full Name)	2013 PDT Date (m/d/y) Survey time see comments	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	GPS Coordinates for WIFL Detections (this is an optional column for documenting individuals, pairs, or groups of birds found on each survey). Include additional sheets if necessary.			
							# Birds	Sex	UTM E	UTM N
Survey # 1 Observer(s) John F. Green	Date 20 May Start 0650 Stop 0850 Total hrs 2	0	0	0	N	—				
Survey # 2 Observer(s) Stephen J. Myers TE804203	Date 3 Jun Start 0440 Stop 0650 Total hrs 2h, 10m	0	0	0	N	—				
Survey # 3 Observer(s) Green	Date 19 Jun Start 0520 Stop 0735 Total hrs 2h, 15m	0	0	0	N	—				
Survey # 4 Observer(s) Myers	Date 3 Jul Start 0445 Stop 0715 Total hrs 2h, 30m	0	0	0	N	—				
Survey # 5 Observer(s) Myers	Date 15 Jul Start 0520 Stop 0800 Total hrs 2h, 40m	0	0	0	N	—				

Overall Site Summary Totals do not equal the sum of each column. Include only resident adults. Do not include migrants, nestlings, and fledglings. Be careful not to double count individuals. 11h., 35m Total Survey Hrs	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatchers color-banded? Yes___ No ___ If yes, report color combination(s) in the comments section on back of form and report to USFWS. N/A
	0	0	0	0	

Reporting Individual John F. Green Date Report Completed 16 July 2013
US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # SC-001951 attachment
***Submit** form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.*

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

Reporting Individual John F. Green Phone # 951-369-8060
Affiliation AMEC E-mail john.f.green@amec.com
Site Name Valley - Ivyglen Phase 1, Alabaster Loop Date Report Completed 16 July 2013
Was this site surveyed in a previous year? Yes ✓ No ___ Unknown ___
Did you verify that this site name is consistent with that used in previous years? Yes ✓ No ___ Not Applicable ___
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 ___
Name of Management Entity or Owner (e.g., Tonto National Forest) Unknown

Length of area surveyed: 0.05 (km)

Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site:

✓ Native broadleaf plants (entirely or almost entirely, > 90% native)

___ Mixed native and exotic plants (mostly native, 50 - 90% native)

___ Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)

___ Exotic/introduced plants (entirely or almost entirely, > 90% exotic)

Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix spp., Baccharis salicifolia

Average height of canopy (Do not include a range): 5 (meters)

Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments.

Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if necessary.
Survey times are for full morning, including visits to other patches.
PDT = Pacific Daylight Time

Territory Summary Table. Provide the following information for each verified territory at your site.

Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)

Attach additional sheets if necessary

Appendix 1. Willow Flycatcher Survey and Detection Form

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

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

Site Name Valley-Ivyglen, Phase 1, El Freso State CA County Riverside
USGS Quad Name Lake Elsinore Elevation 470 (meters)
Creek, River, Wetland, or Lake Name unnamed
Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? *Yes* X *No* ___

Survey Coordinates: Start: E 475397 N 3733073 UTM Datum NAD27 (See instructions)
Stop: E 475389 N 3733102 UTM Zone 11
If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page.
*** Fill in additional site information on back of this page ****

Survey # / Observer(s) (Full Name)	2013 PDT Date (m/d/y) Survey time see comments	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	GPS Coordinates for WIFL Detections (this is an optional column for documenting individuals, pairs, or groups of birds found on each survey). Include additional sheets if necessary.			
							# Birds	Sex	UTM E	UTM N
Survey # 1 Observer(s) John F. Green	Date 20 May Start 0650 Stop 0850 Total hrs 2	0	0	0	N	—				
Survey # 2 Observer(s) Stephen J. Myers TE804203	Date 3 Jun Start 0440 Stop 0650 Total hrs 2h, 10m	0	0	0	N	—				
Survey # 3 Observer(s) Green	Date 19 Jun Start 0520 Stop 0735 Total hrs 2h, 15m	0	0	0	N	—				
Survey # 4 Observer(s) Myers	Date 3 Jul Start 0445 Stop 0715 Total hrs 2h, 30m	0	0	0	N	—				
Survey # 5 Observer(s) Myers	Date 15 Jul Start 0520 Stop 0800 Total hrs 2h, 40m.	0	0	0	N	—				

Overall Site Summary	Total Adult Residents	Total Pairs	Total Territories	Total Nests
Totals do not equal the sum of each column. Include only resident adults. Do not include migrants, nestlings, and fledglings. Be careful not to double count individuals. Total Survey Hrs 11h, 35m	0	0	0	0

Were any Willow Flycatchers color-banded? Yes___ No ___
If yes, report color combination(s) in the comments section on back of form and report to USFWS. N/A

Reporting Individual John F. Green Date Report Completed 16 July 2013
US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # SC-001951 attachment
***Submit** form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.*

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

Reporting Individual John F. Green Phone # 951-369-8060
Affiliation AMEC E-mail john.f.green@amec.com
Site Name Valley - Ivyglen Phase 1, El Freso Date Report Completed 16 July 2013
Was this site surveyed in a previous year? Yes ___ No X Unknown ___
Did you verify that this site name is consistent with that used in previous years? Yes ___ No ___ Not Applicable X
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. N/A
Did you survey the same general area during each visit to this site this year? Yes ✓ No ___ If no, summarize below.

Management Authority for Survey Area: Federal ___ Municipal/County ___ State ___ Tribal ___ Private ___
Name of Management Entity or Owner (e.g., Tonto National Forest) Unknown

Length of area surveyed: 0.03 (km)

Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site:

✓ Native broadleaf plants (entirely or almost entirely, > 90% native)

___ Mixed native and exotic plants (mostly native, 50 - 90% native)

___ Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)

___ Exotic/introduced plants (entirely or almost entirely, > 90% exotic)

Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix spp., Baccharis salicifolia

Average height of canopy (Do not include a range): 5 (meters)

Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments.

Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if necessary.
Survey times are for full morning, including visits to other patches.
PDT = Pacific Daylight Time

Territory Summary Table. Provide the following information for each verified territory at your site.

Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)

Attach additional sheets if necessary

Appendix 1. Willow Flycatcher Survey and Detection Form

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

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

Site Name Valley-Ivyglen, Phase 1, Peach St. State CA County Riverside
USGS Quad Name Lake Elsinore Elevation 500 (meters)
Creek, River, Wetland, or Lake Name unnamed
Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? *Yes* X *No* ___

Survey Coordinates: Start: E 472580 N 3730997 UTM Datum NAD27 (See instructions)
Stop: E 472612 N 3730803 UTM Zone 11
If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page.
*** Fill in additional site information on back of this page ****

Survey # / Observer(s) (Full Name)	2013 PDT Date (m/d/y) Survey time see comments	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	GPS Coordinates for WIFL Detections (this is an optional column for documenting individuals, pairs, or groups of birds found on each survey). Include additional sheets if necessary. # Birds	Sex	UTM E	UTM N
Survey # 1 Observer(s) John F. Green	Date 20 May Start 0650 Stop 0850 Total hrs 2	0	0	0	N	—				
Survey # 2 Observer(s) Stephen J. Myers TE804203	Date 3 Jun Start 0440 Stop 0650 Total hrs 2h, 10m	0	0	0	N	—				
Survey # 3 Observer(s) Green	Date 19 Jun Start 0520 Stop 0735 Total hrs 2h, 15m	0	0	0	N	—				
Survey # 4 Observer(s) Myers	Date 3 Jul Start 0445 Stop 0715 Total hrs 2h, 30m	0	0	0	N	—				
Survey # 5 Observer(s) Myers	Date 15 Jul Start 0520 Stop 0800 Total hrs 2h, 40m	0	0	0	N	—				
Overall Site Summary Totals do not equal the sum of each column. Include only resident adults. Do not include migrants, nestlings, and fledglings. Be careful not to double count individuals. Total Survey Hrs 11h., 35m.		Total Adult Residents: 0	Total Pairs: 0	Total Territories: 0	Total Nests: 0	Were any Willow Flycatchers color-banded? Yes___ No ___ If yes, report color combination(s) in the comments section on back of form and report to USFWS. N/A				

Reporting Individual John F. Green Date Report Completed 16 July 2013
US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # SC-001951 attachment
Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

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

Reporting Individual John F. Green Phone # 951-369-8060
Affiliation AMEC E-mail john.f.green@amec.com
Site Name Valley - Iuyglen Phase 1, Peach St. Date Report Completed 16 July 2013
Was this site surveyed in a previous year? Yes ✓ No ___ Unknown ___
Did you verify that this site name is consistent with that used in previous years? Yes ✓ No ___ Not Applicable ___
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 ___
Name of Management Entity or Owner (e.g., Tonto National Forest) unknown

Length of area surveyed: 0.22 (km)

Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site:

✓ Native broadleaf plants (entirely or almost entirely, > 90% native)

___ Mixed native and exotic plants (mostly native, 50 - 90% native)

___ Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)

___ Exotic/introduced plants (entirely or almost entirely, > 90% exotic)

Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix spp., Baccharis salicifolia

Average height of canopy (Do not include a range): 7 (meters)

Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments.

Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if necessary.
Survey times are for full morning, including visits to other patches.
PDT = Pacific Daylight Time

Territory Summary Table. Provide the following information for each verified territory at your site.

Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)

Attach additional sheets if necessary

Appendix 1. Willow Flycatcher Survey and Detection Form

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

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

Site Name Valley-Ivyglen, Phase I, Wasson Cyn State CA County Riverside
USGS Quad Name Lake Elsinore Elevation 495 (meters)
Creek, River, Wetland, or Lake Name unnamed
Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? *Yes* X *No* ___

Survey Coordinates: Start: E 472339 N 3730799 UTM Datum NAD27 (See instructions)
Stop: E 472425 N 3730494 UTM Zone 11
If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page.
** *Fill in additional site information on back of this page* **

Survey # / Observer(s) (Full Name)	2013 PDT Date (m/d/y) Survey time see comments	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	GPS Coordinates for WIFL Detections (this is an optional column for documenting individuals, pairs, or groups of birds found on each survey). Include additional sheets if necessary.			
							# Birds	Sex	UTM E	UTM N
Survey # 1 Observer(s) John F. Green	Date 20 May Start 0650 Stop 0850 Total hrs 2	0	0	0	N	Brown-headed Cowbird heard				
Survey # 2 Observer(s) Stephen J. Myers TE804203	Date 3 Jun Start 0440 Stop 0650 Total hrs 2h, 10m	0	0	0	N	—				
Survey # 3 Observer(s) Green	Date 19 Jun Start 0520 Stop 0735 Total hrs 2h, 15m	0	0	0	N	—				
Survey # 4 Observer(s) Myers	Date 3 Jul Start 0445 Stop 0715 Total hrs 2h, 30m	0	0	0	N	—				
Survey # 5 Observer(s) Myers	Date 15 Jul Start 0520 Stop 0800 Total hrs 2h, 40m	0	0	0	N	—				

Overall Site Summary	Total Adult Residents	Total Pairs	Total Territories	Total Nests
Totals do not equal the sum of each column. Include only resident adults. Do not include migrants, nestlings, and fledglings. Be careful not to double count individuals. Total Survey Hrs 11 h, 35 m.	0	0	0	0

Were any Willow Flycatchers color-banded? Yes___ No ___
If yes, report color combination(s) in the comments section on back of form and report to USFWS. N/A

Reporting Individual John F. Green Date Report Completed 16 July 2013
US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # SC-001951 attachment

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

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

Reporting Individual John F. Green Phone # 951-369-8060
Affiliation AMEC E-mail john.f.green@amec.com
Site Name Valley - Ivyglen Phase 1, Wasson Canyon Date Report Completed 16 July 2013
Was this site surveyed in a previous year? Yes ✓ No ___ Unknown ___
Did you verify that this site name is consistent with that used in previous years? Yes ✓ No ___ Not Applicable ___
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 ___
Name of Management Entity or Owner (e.g., Tonto National Forest) unknown

Length of area surveyed: 0.32 (km)

Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site:

✓ Native broadleaf plants (entirely or almost entirely, > 90% native)

___ Mixed native and exotic plants (mostly native, 50 - 90% native)

___ Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)

___ Exotic/introduced plants (entirely or almost entirely, > 90% exotic)

Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix spp., Baccharis salicifolia

Average height of canopy (Do not include a range): 12 (meters)

Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections; 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests; 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments.

Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features. Attach additional sheets if necessary.
Survey times are for full morning, including visits to other patches.
PDT = Pacific Daylight Time

Territory Summary Table. Provide the following information for each verified territory at your site.

Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)

Attach additional sheets if necessary

Appendix 1. Willow Flycatcher Survey and Detection Form

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

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

Site Name Valley-Ivyglen, Phase I, Rosetta Cyn State CA County Riverside
USGS Quad Name Lake Elsinore Elevation 425 (meters)
Creek, River, Wetland, or Lake Name unnamed
Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? *Yes* X *No* ___

Survey Coordinates: Start: E 469844 N 3729121 UTM Datum NAD27 (See instructions)
Stop: E 469995 N 3729143 UTM Zone 11
If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page.
*** Fill in additional site information on back of this page ****

Survey # / Observer(s) (Full Name)	2013 PDT Date (m/d/y) Survey time see comments	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	GPS Coordinates for WIFL Detections (this is an optional column for documenting individuals, pairs, or groups of birds found on each survey). Include additional sheets if necessary.			
							# Birds	Sex	UTM E	UTM N
Survey # 1 Observer(s) John F. Green	Date 20 May Start 0650 Stop 0850 Total hrs 2	0	0	0	N	—				
Survey # 2 Observer(s) Stephen J. Myers TE804203	Date 3 Jun Start 0440 Stop 0650 Total hrs 2h, 10m	0	0	0	N	—				
Survey # 3 Observer(s) Green	Date 19 Jun Start 0520 Stop 0735 Total hrs 2h, 15m	0	0	0	N	—				
Survey # 4 Observer(s) Myers	Date 3 Jul Start 0445 Stop 0715 Total hrs 2h, 30m	0	0	0	N	—				
Survey # 5 Observer(s) Myers	Date 15 Jul Start 0520 Stop 0800 Total hrs 2h, 40m	0	0	0	N	—				

Overall Site Summary Totals do not equal the sum of each column. Include only resident adults. Do not include migrants, nestlings, and fledglings. Be careful not to double count individuals. Total Survey Hrs 11h., 35m	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycatchers color-banded? Yes___ No ___ If yes, report color combination(s) in the comments section on back of form and report to USFWS. N/A
	0	0	0	0	

Reporting Individual John F. Green Date Report Completed 16 July 2013
US Fish and Wildlife Service Permit # TE054011 State Wildlife Agency Permit # SC-001951 attachment
***Submit** form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.*

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

Reporting Individual John F. Green Phone # 951-369-8060
Affiliation AMEC E-mail john.f.green@amec.com
Site Name Valley - Ivyglen Phase 1, Rosetta Cyn Date Report Completed 16 July 2013
Was this site surveyed in a previous year? Yes ✓ No ___ Unknown ___
Did you verify that this site name is consistent with that used in previous years? Yes ✓ No ___ Not Applicable ___
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 ___
Name of Management Entity or Owner (e.g., Tonto National Forest) Unknown

Length of area surveyed: 0.16 (km)

Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site:

✓ Native broadleaf plants (entirely or almost entirely, > 90% native)

___ Mixed native and exotic plants (mostly native, 50 - 90% native)

___ Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)

___ Exotic/introduced plants (entirely or almost entirely, > 90% exotic)

Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific names. Salix spp., Baccharis salicifolia

Average height of canopy (Do not include a range): 10 (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.
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Attach additional sheets if necessary

APPENDIX D

CERTIFICATION

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Appendix D
Certification Statement for the
United States Fish and Wildlife Service

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

Signed:_____

Date:_____

Signed:_____

Date:_____

Signed:_____

Date:_____

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APPENDIX E

PHOTOGRAPHS

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Photograph 1: Goldenrod Avenue survey area.

Photograph 2: Alabaster Loop survey area.

Draft Focused Surveys for Riparian Birds
Valley-Ivyglen Subtransmission Line Project, Phase 1
Project Photographs

Photograph 3: El Freso survey area.

Photograph 4: Peach Street survey area.

Photograph 5: Wasson Canyon survey area.

Photograph 6: Rosetta Canyon survey area. A Least Bell's Vireo was detected here.