

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

Prepared for:
Southern California Edison Company

Prepared by:
AMEC Earth & Environmental, Inc.

December 2007Project No. 6151000801









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December 2007

Project No. 6151000801

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1.0 INTRODUCTION

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

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

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

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

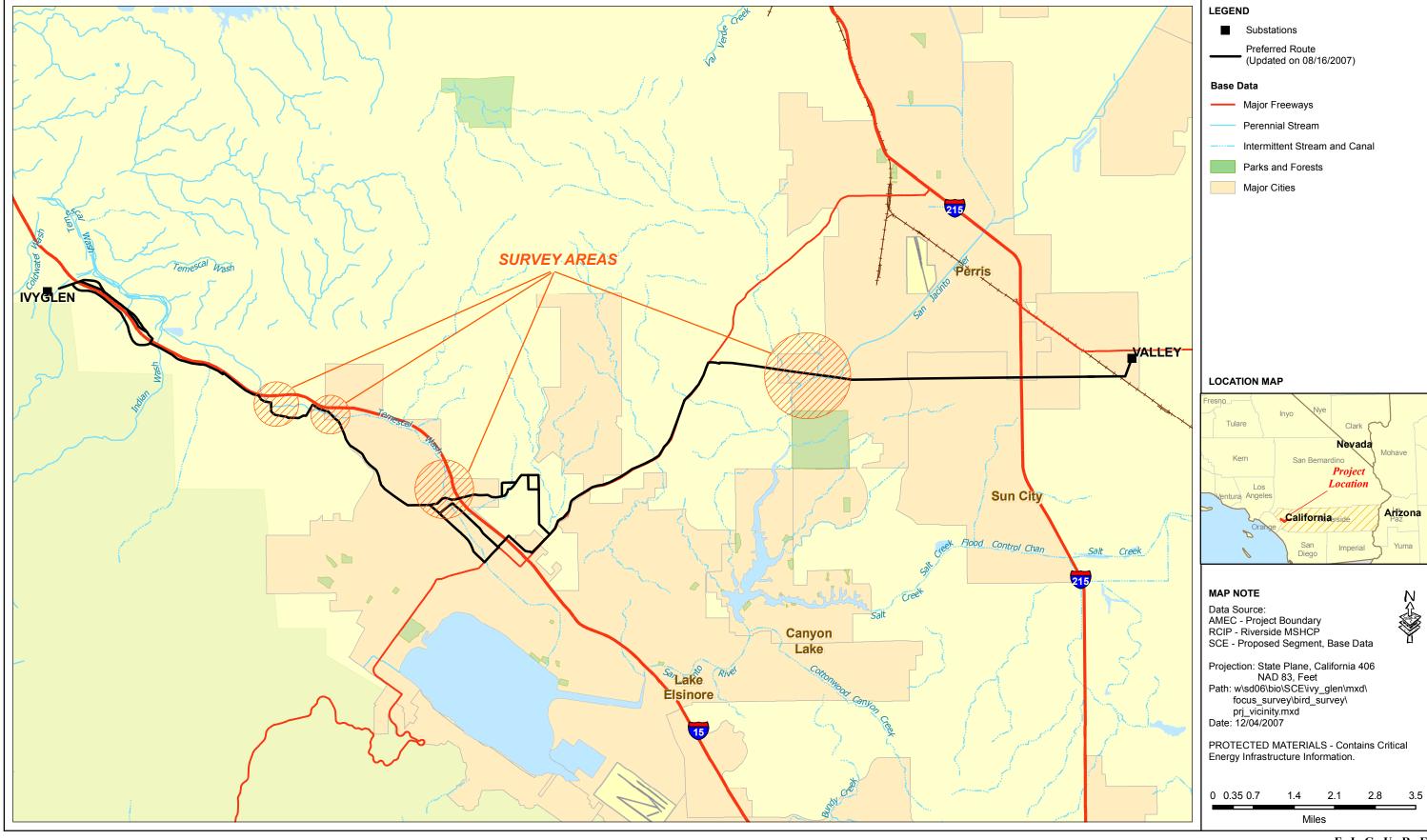
<u>Hostettler Road area (Temescal Wash)</u>: approximate UTM at east end of survey area: Zone 11, 462700E, 3732300N (NAD27); approximate UTM at west end of survey area: Zone 11, 461400E, 3732600N (NAD27); USGS 7.5 minute Alberhill, Calif. quadrangle (Figure 5).

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

1.1 Project Description

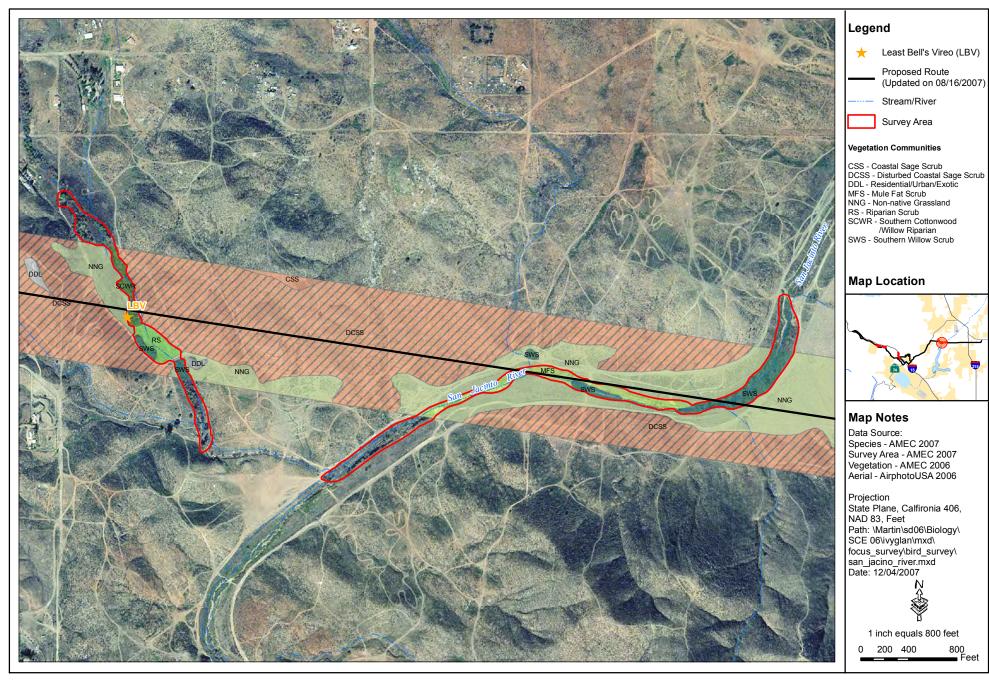
The Valley-Ivyglen Transmission Line Project involves the construction of a new 115kV transmission line which will connect the Valley Substation to the Ivyglen Substation. This transmission line will be installed in an existing right-of-way (ROW) where available, and new ROWs where none exist. The Valley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

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





F I G U R E



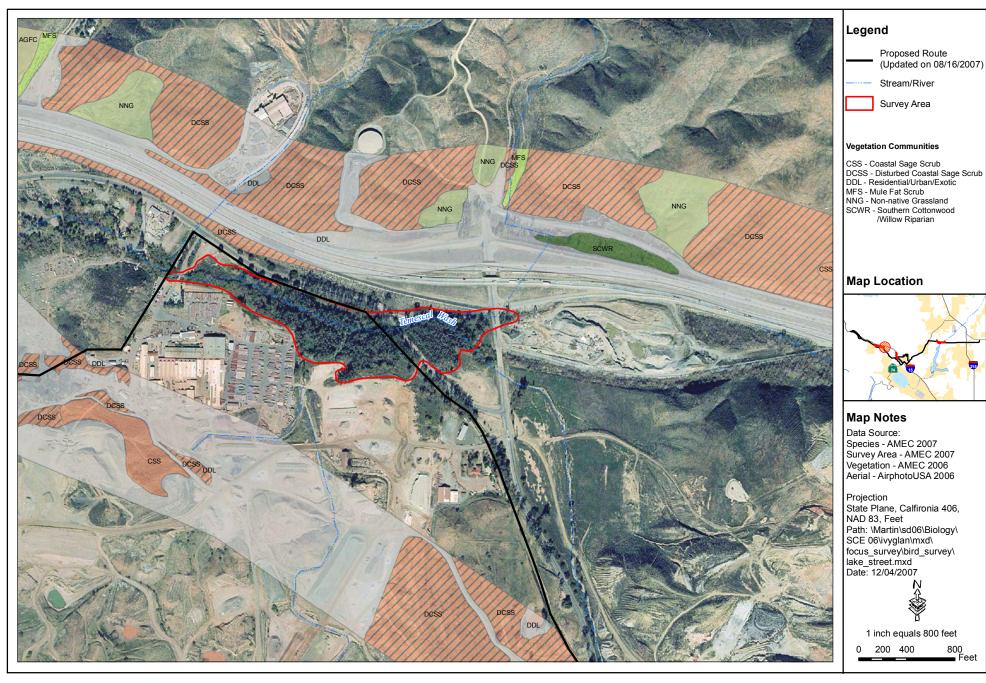


FIGURE





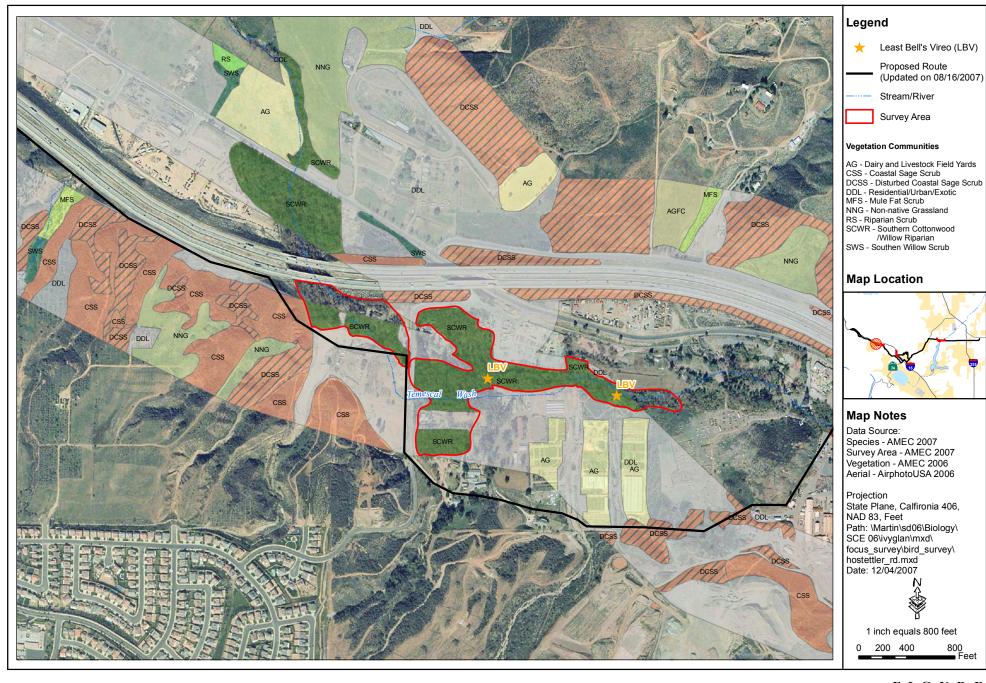
F I G U R E





FIGURE

4





FIGURE

5

1.2 Background on the Least Bell's Vireo

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

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

1.3 Background on Southwestern Willow Flycatcher

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

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

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

1.4 Western Yellow-billed Cuckoo

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

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

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

2.0 METHODS

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

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

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

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

Table 1. Survey Data for San Jacinto River Area

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

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

Table 2. Survey Data for Nichols Road Area

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

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

Table 3. Survey Data for Lake Street Area

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

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

Table 4. Survey Data for Hostettler Road Area

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

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

3.0 RESULTS

3.1 Habitat Descriptions

3.1.1 San Jacinto River Area

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

3.1.2 Nichols Road Area

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

3.1.3 Lake Street Area

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

3.1.4 Hostettler Road Area

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

3.2 Survey Results

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

3.2.1 Southwestern Willow Flycatcher

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

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

3.2.2 Least Bell's Vireo

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

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

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

3.2.3 Western Yellow-billed Cuckoo

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

3.2.4 Critical Habitat

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

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Appendix A Bird Species List

Appendix A Bird Species List

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

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

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

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

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

Appendix B SWF Survey Forms

To be provided.