

APPENDIX I
LEAST BELLS' VIREO AND SOUTHWESTERN WILLOW
FLYCATCHER SURVEY REPORT
(Report for 2012)

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September 14, 2012

Susie Tharratt
United States Fish and Wildlife Service
Carlsbad Field Office
6010 Hidden Valley Road, Suite 101
Carlsbad, CA 92011

Lyann Comrack
Nongame Wildlife Program
California Department of Fish and Game
1812 Ninth Street
Sacramento, CA 95811

Subject: Protocol Least Bell's Vireo and Southwestern Willow Flycatcher Survey Results
Southern California Edison West of Devers Project
City of Redlands in San Bernardino County
Cities of Calimesa, Beaumont, and Banning in Riverside County
April–July 2012 (LSA Project Number SCE1110)

Dear Ms. Tharratt and Ms. Comrack:

This letter report documents the results of protocol presence/absence surveys for the least Bell's vireo (*Vireo bellii pusillus*) (LBVI) and the southwestern willow flycatcher (*Empidonax traillii extimus*) (SWFL) conducted by LSA Associates, Inc. (LSA). The LBVI and the SWFL are both endangered species listed by the United States Fish and Wildlife Service (USFWS) and the California Department of Fish and Game (CDFG).

These surveys were conducted within suitable riparian habitat along the project alignment being considered by Southern California Edison (SCE) for the future West of Devers Project (Figures 1 and 2; all figures in Appendix A). The study area for the preliminary project alignment is generally located in southwestern San Bernardino County and northwestern Riverside County, California. The conceptual project would upgrade the existing transmission facilities to increase transmission capacity between the Devers Substation at the east end and the San Bernardino and Vista Substations at the west end.

Five areas were surveyed along the project alignment, resulting in the detection of a total of nine LBVI territories at San Timoteo Creek (Figure 3, Sheets 1–6).

STUDY AREA

The preliminary alignment being considered for the West of Devers Project occurs within an SCE Right-of-Way (ROW) and extends along an existing transmission line corridor from the Vista Substation in the City of Grand Terrace, San Bernardino County, to the Devers Substation, near North Palm Springs, Riverside County (Figure 1). The project also would include reconductoring and transmission facility upgrades extending as far as the San Bernardino Substation between the Cities of San Bernardino and Redlands, San Bernardino County. The riparian areas surveyed during these protocol surveys for LBVI and SWFL are located in the City of Redlands in San Bernardino

County and the Cities of Calimesa, Beaumont, and Banning in Riverside County (Figure 3, Sheets 1–6).

Five LBVI and SWFL survey areas including suitable riparian habitat were identified within the western 27 miles (mi) of the project area (Figure 2). The westernmost survey location has latitude/longitude (lat/long) coordinates of 34.01669, -117.207841 (North American Datum [NAD] 83 Zone 11S Universal Transverse Mercator [UTM] 480810 easting, 3764026 northing), while the easternmost location has lat/long coordinates of 33.946531, -116.859398 (NAD 83 Zone 11S UTM 512992 easting by 3756236 northing). Surveys were conducted in areas located on the *Redlands*, *El Casco*, *Beaumont*, and *Cabazon*, California 7.5-minute series United States Geological Survey (USGS) topographic maps. Elevation ranges from approximately 1,500 feet (ft) to 2,400 ft above mean sea level (amsl).

Land uses adjacent to and within the study area include small and large lot residential, plant nurseries, the San Bernardino County landfill, an aggregate mine (Robertson's Plant No. 66), several SCE transmission lines, open space areas (Riverside Land Conservancy), and the Morongo Indian Reservation. Portions of the study area occur within USFWS-designated SWFL Re-Proposed Critical Habitat (Figure 3, Sheets 1–6).

The five survey areas varied in both size and characteristics. They are each described below, from the westernmost to the east:

- An isolated pond receiving runoff from the San Bernardino County landfill supports mature willow woodland and standing water and is approximately 0.4 acres (ac) at 1,500 ft amsl. Central coordinates are at lat/long 34.01669, -117.207841 (UTM NAD83 11N 480810E, 3764026N) in Section 9, T2S, R3W on the *Redlands* topographic map (Figure 3, Sheet 1; Figure 4, Photo A).
- San Timoteo Creek, an approximately 1,000 ft corridor that includes San Timoteo Creek and the riparian woodland on the east side of San Timoteo Canyon Road (Figure 3, Sheets 2, 3 and 4). Willow woodland and grassy meadows vegetate these areas, which contain two transmission line ROWs and buffers on approximately 40 ac at 2,060 ft amsl. Central coordinates are at 33.96722, -117.073711 (UTM NAD83 11N 493190E, 3758524N) in the Land Grant: Tract between San Jacinto and San Gorgonio on the *El Casco* topographic map. Most of this area is owned/managed by the Riverside Land Conservancy and is USFWS Re-Proposed Critical Habitat (8/15/11) for SWFL (Figure 3, Sheets 2–4; Figure 4, Photos B and C).
- The deep, narrow, and densely-vegetated unnamed canyon just north of Theodore Street in the City of Banning, to be referred to as Theodore Street Canyon, spans the ROW and the 500 ft buffer and is approximately 3.3 ac at 2,730 ft amsl. Central coordinates are at 33.947344, -116.889373 (UTM NAD83 11N 510222E, 3756323N) in Section 33, T2S, R1E and Section 4, T3S, R1E on the *Beaumont* topographic map (Figure 3, Sheet 5; Figure 4, Photo D).
- The San Gorgonio River just north of the aggregate mine includes linear patches of willow scrub for a total of approximately 6 ac at 2,370 ft amsl. Central coordinates are at 33.94544, -116.864033 (UTM NAD83 11N 512564E, 3756115N) in Section 3, T3S, R1E on the *Cabazon* topographic map (Figure 3, Sheet 6; Figure 4, Photo E).
- Robertson's Plant No. 66, an aggregate mine, has patchy young willow scrub for a total of approximately 8 ac at 2,360 ft amsl. Central coordinates are at 33.944126, -116.860201 (UTM

NAD83 11N 512919E, 3755970N) in Section 3, T3S, R1E on the *Cabazon* topographic map (Figure 3, Sheet 6; Figure 4, Photo F).

Except for the San Gorgonio River, all of the riparian areas had some amount of flowing or ponded water.

METHODS

LSA senior biologists Ingri Quon and Stan Spencer, and/or LSA Associate biologists Denise Woodard, Wendy Walters, and Maria Lum conducted eight protocol surveys for LBVI from April 17 to July 24, 2012, and five for SWFL from May 15 to July 13, 2012 (see Table A). All survey visits were conducted within the project area ROW and within a 500 ft buffer of the ROW. Access was not restricted, so all potentially suitable habitats were surveyed.

Table A: Survey Schedule and Conditions

Date 2012	Locations	Time	Weather ¹	Surveyor (Initials)
April 16	Landfill, Creek, Canyon, River, Mine	0610–1100	Clear, 52 °F–70 °F, light air	SS
April 17	East of Morongo	0730–1130	Clear, 65 °F–75 °F, light air	IQ (Assess)
April 18	San Gorgonio River	0635–0710	Clear, 52 °F, light breeze	SS (Assess)
May 3	Landfill, Creek	0637–1100	Overcast (100%), 52 °F–60 °F, calm	SS
May 4	Canyon, River, Mine	0658–1100	Mostly cloudy (80%) – clear, 48–64 °F, light air – gentle breeze	SS, WW
*May 15	Creek, Landfill	0510–1035	Clear, 44 °F–76 °F, calm – light air	IQ, SS
*May 16	Canyon, River, Mine	0527–1000	Clear, 57 °F–78 °F, light air – gentle breeze	IQ, SS
*June 11	Creek, Landfill	0520–1015	Clear, 54 °F–81 °F, calm – gentle breeze	DW, SS
*June 12	Canyon, River, Mine	0520–0915	Clear, 64 °F–86 °F, light air – gentle breeze	DW, SS
*June 21	Creek, Landfill	0515–0915	Clear, 55 °F–75 °F, calm – light air	DW, SS
*July 22	Canyon, River, Mine	0515–0955	Clear, 59 °F–77 °F, light air – light breeze	DW, ML
*July 2	Creek, Landfill	0515–1045	Clear, 64 °F–85 °F, calm – light air	IQ, SS
*July 3	Canyon, River, Mine	0545–0925	Clear, 60 °F–84 °F, calm – gentle breeze	IQ, SS
*July 12	Creek, Landfill	0535–1130	Overcast, 80 °F–88 °F, moderate breeze – calm, 64% humidity, occasional light sprinkles	IQ, SS
*July 13	Canyon, River, Mine	0530–0900	Overcast, 71 °F–76 °F, light air	DW, SS
July 23	Creek, Landfill	0540–1000	Partly cloudy, 64 °F–84 °F, light air	DW, SS
July 24	Canyon, River, Mine	0535–0845	Clear, 64 °F–80 °F, light air – light breeze	DW, SS

* = Concurrent surveys for LBVI and SWFL

Locations: Landfill = County landfill; Creek = San Timoteo Creek; Canyon = Theodore Street Canyon; River = San Gorgonio River; Mine = Robertson's Plant No. 66

¹ Nautical terms for wind conditions.

°F = degrees Fahrenheit

LBVI = least Bell's vireo

SWFL = southwestern willow flycatcher

Surveyors: DW = Denise Woodard; IQ = Ingri Quon; ML = Maria Lum; SS = Stan Spencer; WW = Wendy Walters

April 17 = A habitat assessment of potential riparian bird locations identified by GANDA (2011) that occur east of Morongo. Habitat not suitable (sparse or scrub vegetation) for breeding LBVI and SWFL.

April 18 = A habitat assessment of potential riparian bird locations was assessed at San Gorgonio River and determined to be lacking (mature eucalyptus, dry drainage).

During each of the surveys, LSA biologists walked slowly along the edge of and, when appropriate, through potential LBVI and SWFL habitat, listening and looking for LBVI and SWFL. Per protocol guidelines, taped recordings of SWFL were played periodically along the survey route.

In addition, if detected, other special-status riparian birds were noted including yellow-billed cuckoo (*Coccyzus americanus*), yellow-breasted chat (*Icteria virens*), and yellow warbler (*Dendroica petechia*).

All surveys were conducted pursuant to Federal Fish and Wildlife Permit TE-777965-9 (April 8, 2008–April 7, 2012; renewal pending) and a letter permit from CDFG attached to Scientific Collecting Permit SC-000777 covering conditions for research on listed birds (July 23, 2009–April 12, 2012; renewal pending).

RESULTS

A total of five survey areas consisting of moderate- to high-quality willow riparian scrub or woodland vegetation communities were identified as potentially suitable for breeding LBVI and/or SWFL (Figures 2 [Survey Areas] and Figure 3 [Riparian Bird Survey Areas] and Figure 4 [Representative Photos]). Habitat areas varied in form and structure from linear and extensive (i.e., San Timoteo Creek, Theodore Street Canyon, San Gorgonio River) to isolated and pond-like (i.e., County landfill).

Male LBVI were detected at nine locations along San Timoteo Creek and the nearby riparian habitat (Figure 3, Sheets 2 and 3). In addition, three fledgling LBVI were detected on the east side of San Timoteo Canyon Road (two from adjacent territories on May 15 and one on July 12).

No endangered SWFL were detected during the focused surveys. The yellow-breasted chat and yellow warbler were detected at several of the survey locations, but no cuckoos were noted.

The brown-headed cowbird (*Molothrus ater*), a brood parasite of LBVI and other passerines, was detected in Theodore Street Canyon on June 22, 2012 (n=1).

Appendix B includes a complete list of the animal species detected during these surveys.

Appendix C includes copies of the California Native Species Field Survey forms for special-status species. These forms have been electronically submitted to CDFG.

Appendix D includes the Willow Flycatcher (WIFL) Survey and Detection Form for each survey location.

If you have any questions, please contact me or Art Homrighausen at (949) 553-0666.

Sincerely,

LSA ASSOCIATES, INC.

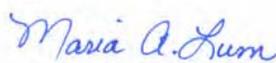


Ingri Quon
Senior Biologist

Attachments: Appendix A: Figures
Appendix B: Animal Species Detected
Appendix C: California Native Species Field Survey Forms
Appendix D: Willow Flycatcher (WIFL) Survey and Detection Form

cc: Tonya Moore, Southern California Edison
Scott Holbrook, Southern California Edison

I CERTIFY THAT THE INFORMATION IN THIS SURVEY REPORT AND ATTACHED EXHIBITS FULLY AND ACCURATELY REPRESENTS MY WORK:

SURVEYOR	PERMIT NUMBER	DATE
 Denise Woodard	TE-777965-9	September 13, 2012
 Ingri Quon	TE-777965-9	September 13, 2012
 Maria Lum	TE-777965-9	September 13, 2012
 Stanley Spencer	TE-777965-9	September 13, 2012
 Wendy Walters	TE-777965-9	September 13, 2012

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APPENDIX A

FIGURES

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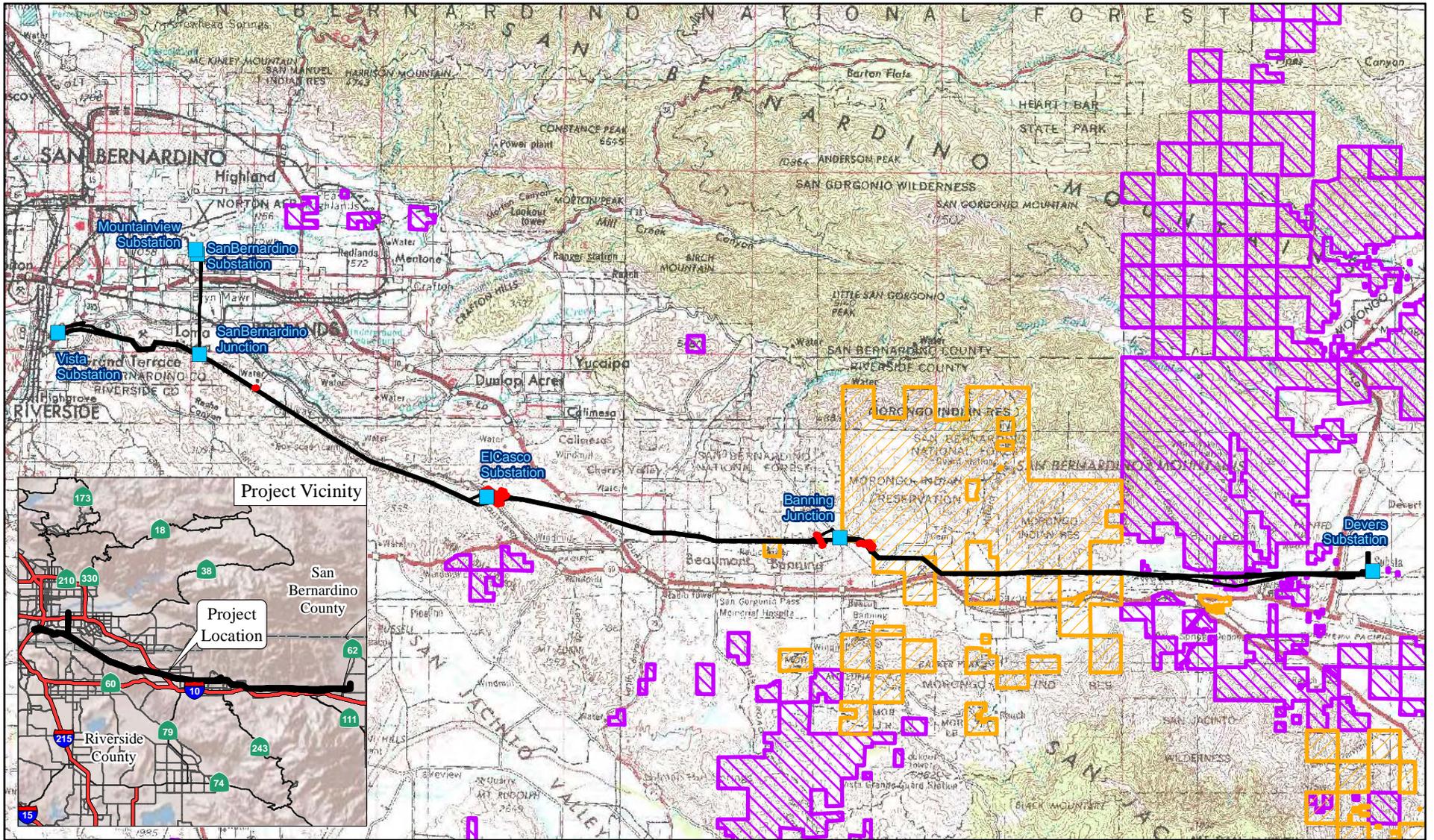


FIGURE 1

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

LEGEND

- Transmission Right-of-Way
- Substations/Junctions
- Riparian Bird Survey Area

0 2.25 4.5
MILES

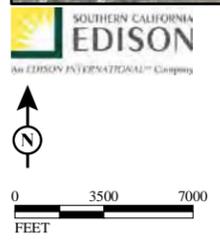
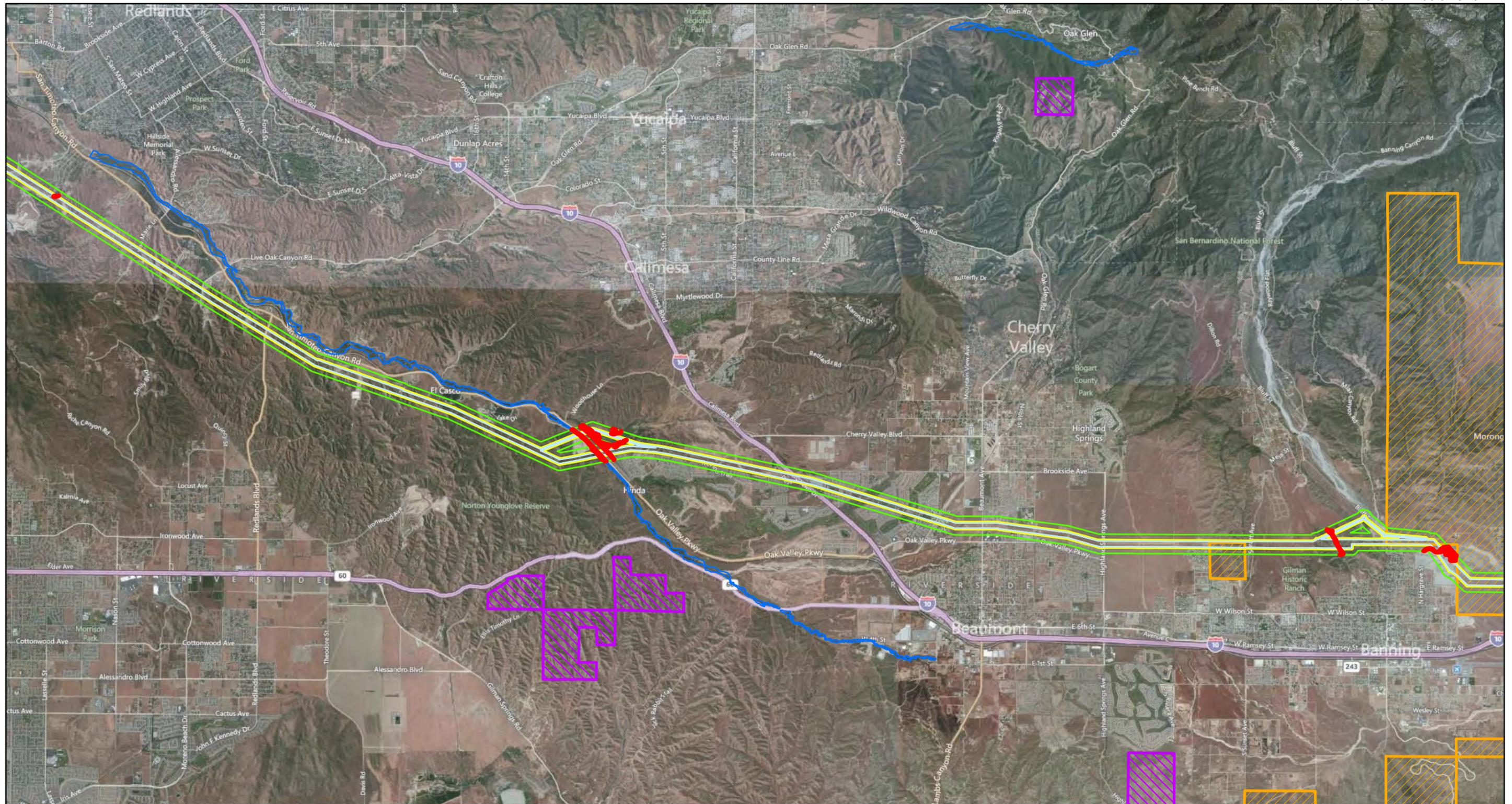
PROTECTED MATERIALS
Contains Critical Energy Infrastructure Information

West of Devers Project
Project Location Map

SOURCE: USGS 1:250,000-scale Quad: San Bernardino (1966) and Santa Ana (1980), CA

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LEGEND

- Riparian Bird Survey Area
- Transmission Line Right-of-Way
- 100 foot Buffer from ROW
- 500 foot Buffer from ROW
- Morongo Indian Reservation Lands
- U.S. Bureau of Land Management Lands
- Reposed Southwestern Willow Flycatcher Critical Habitat (2011)

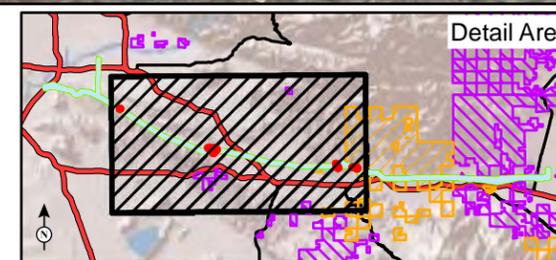


FIGURE 2

PROTECTED MATERIALS
Contains Critical Energy Infrastructure Information

West of Devers Project
Survey Areas

SOURCE: Bing Maps (c. 2010); SCE (12/2011)

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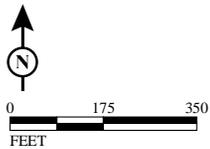
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LEGEND

- Riparian Bird Survey Area
- Least Bell's Vireo Territory
- Transmission Line Right-of-Way
- 100 foot Buffer from ROW
- 500 foot Buffer from ROW

- Morongo Indian Reservation Lands
- Re-proposed Southwestern Willow Flycatcher Critical Habitat (2011)



SOURCE: Bing (c. 2010); SCE (9/2011, 1/2012)

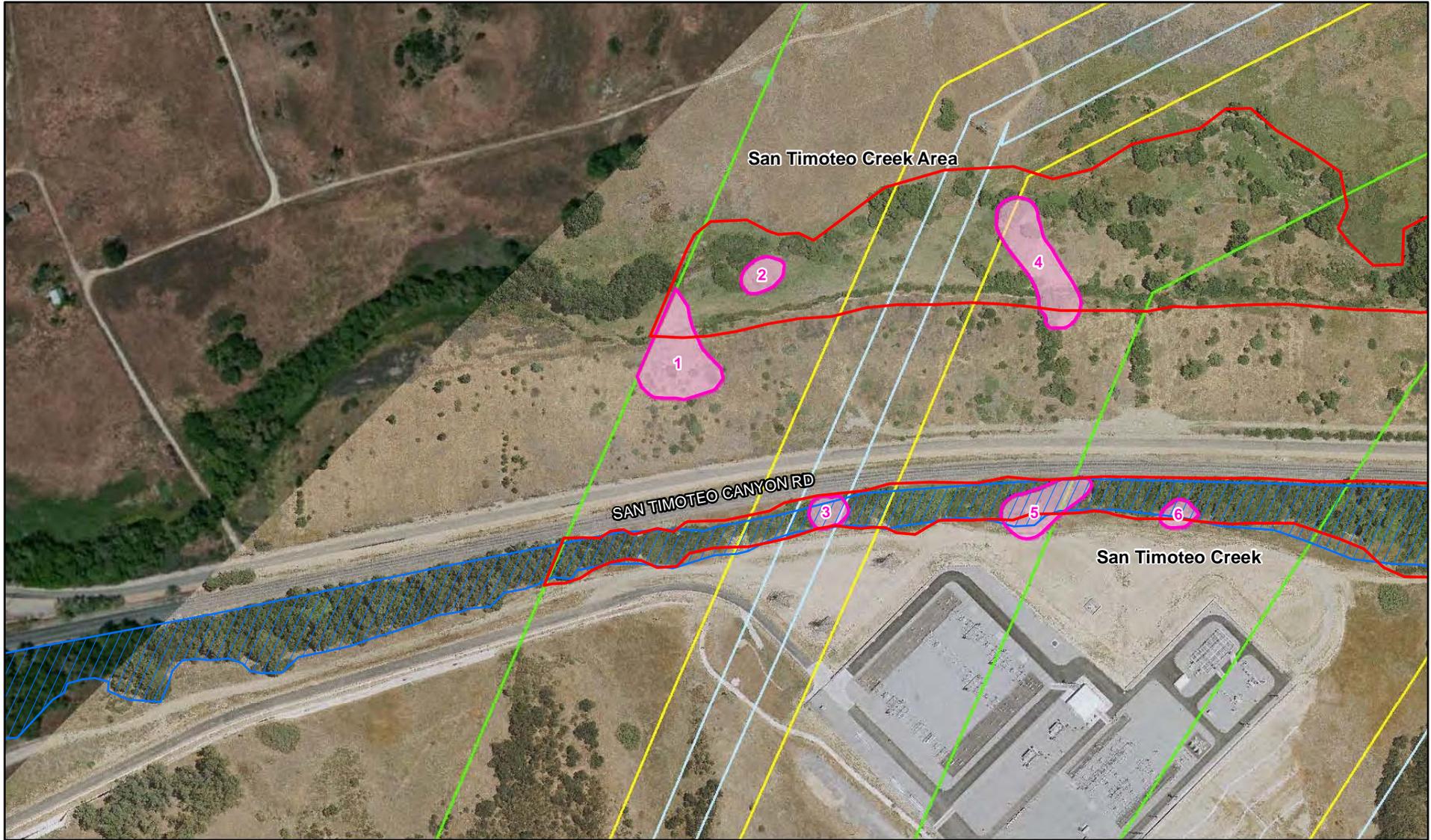
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FIGURE 3
Sheet 1 of 6

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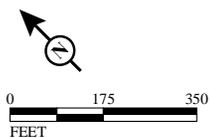
West of Devers Project
Riparian Bird Survey Areas



LEGEND

- Riparian Bird Survey Area
- Least Bell's Vireo Territory
- Transmission Line Right-of-Way
- 100 foot Buffer from ROW
- 500 foot Buffer from ROW

- Morongo Indian Reservation Lands
- Reproposed Southwestern Willow Flycatcher Critical Habitat (2011)



SOURCE: Bing (c. 2010); SCE (9/2011, 1/2012)

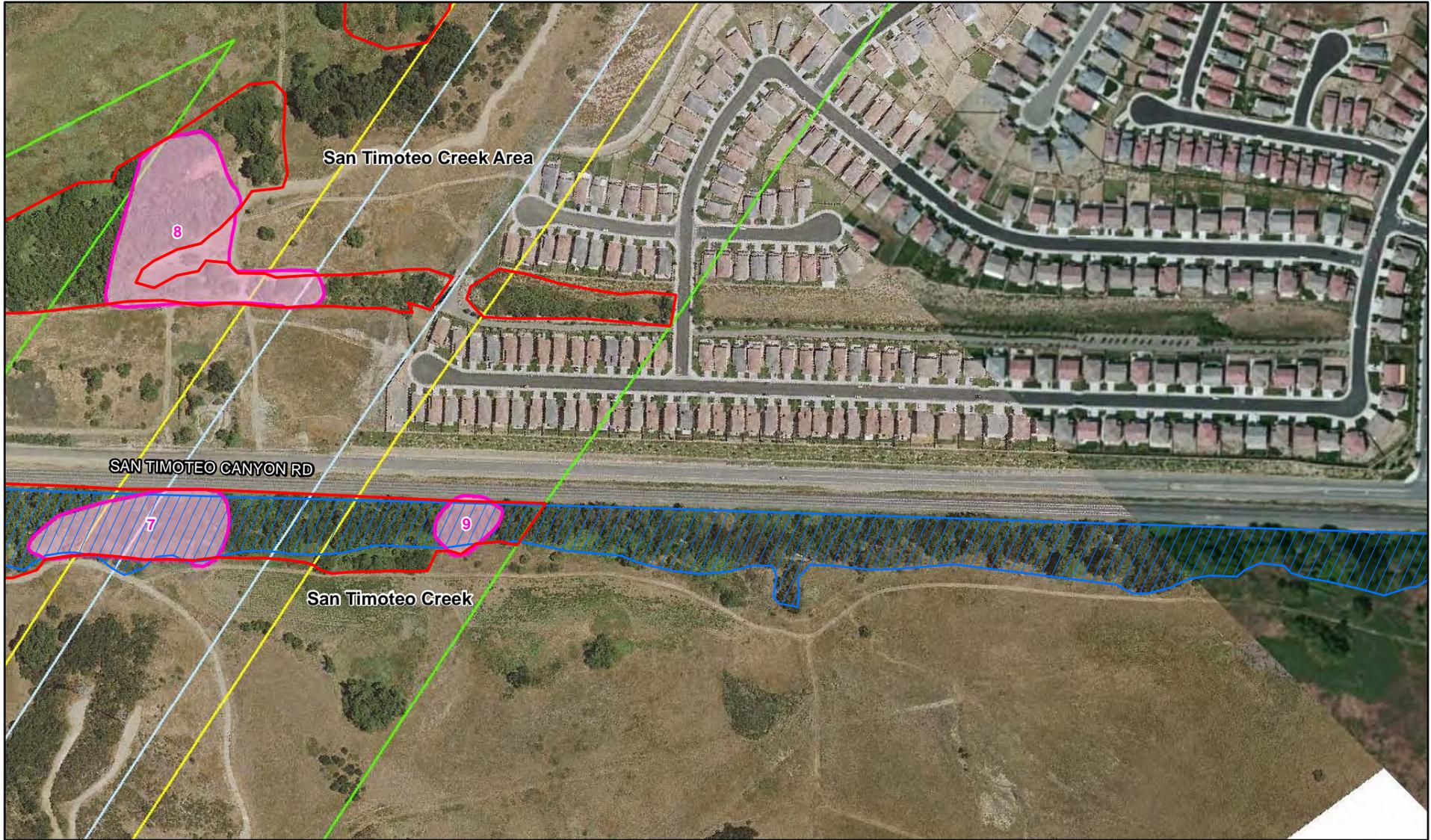
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FIGURE 3
Sheet 2 of 6

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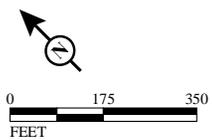
West of Devers Project
Riparian Bird Survey Areas



LEGEND

- Riparian Bird Survey Area
- Least Bell's Vireo Territory
- Transmission Line Right-of-Way
- 100 foot Buffer from ROW
- 500 foot Buffer from ROW

- Morongo Indian Reservation Lands
- Reproposed Southwestern Willow Flycatcher Critical Habitat (2011)



SOURCE: Bing (c. 2010); SCE (9/2011, 1/2012)

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FIGURE 3
Sheet 3 of 6

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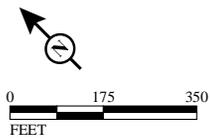
West of Devers Project
Riparian Bird Survey Areas



LEGEND

- Riparian Bird Survey Area
- Least Bell's Vireo Territory
- Transmission Line Right-of-Way
- 100 foot Buffer from ROW
- 500 foot Buffer from ROW

- Morongo Indian Reservation Lands
- Reproposed Southwestern Willow Flycatcher Critical Habitat (2011)



SOURCE: Bing (c. 2010); SCE (9/2011, 1/2012)

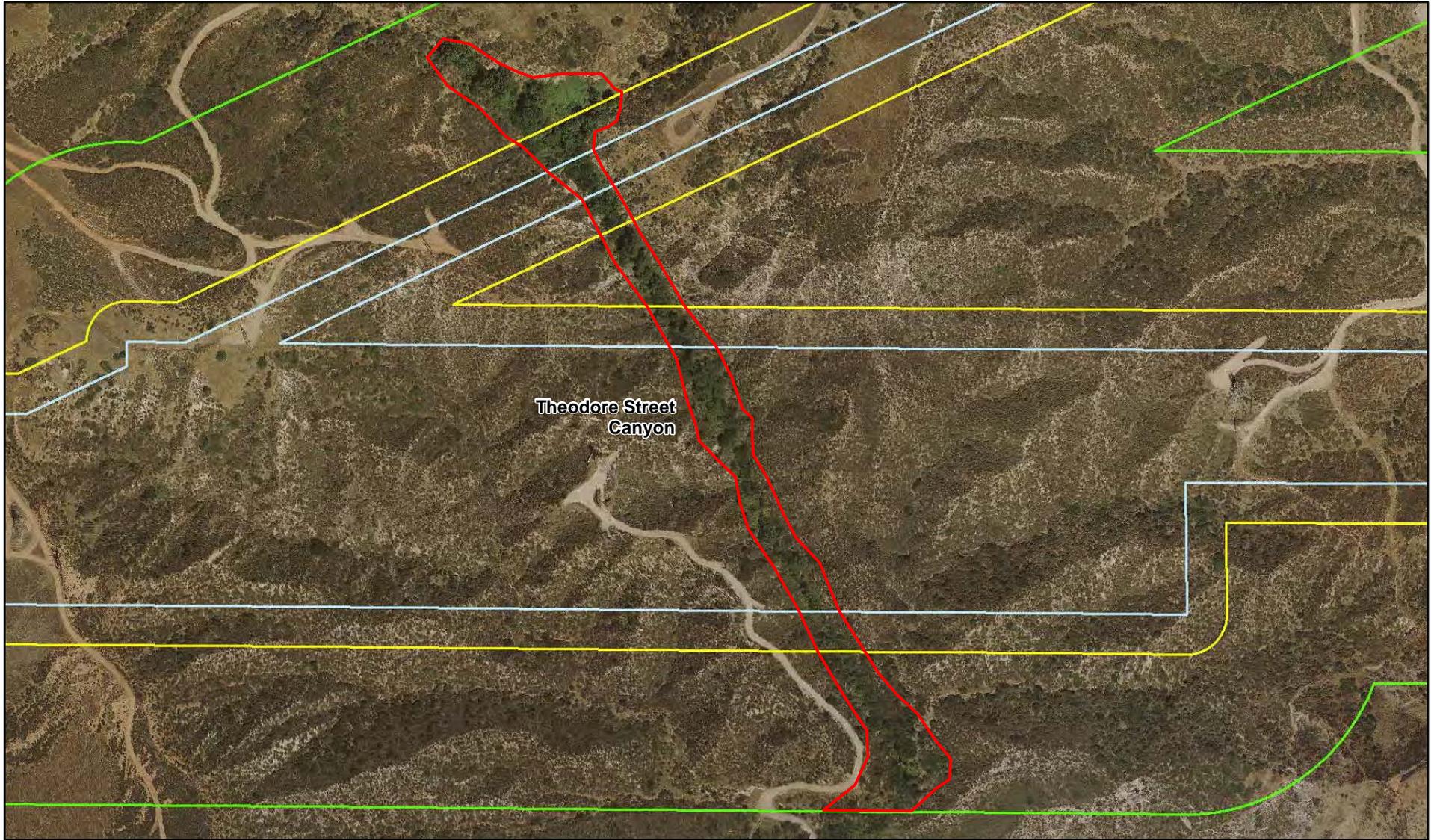
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FIGURE 3
Sheet 4 of 6

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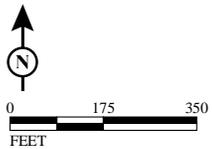
West of Devers Project
Riparian Bird Survey Areas



LEGEND

- Riparian Bird Survey Area
- Least Bell's Vireo Territory
- Transmission Line Right-of-Way
- 100 foot Buffer from ROW
- 500 foot Buffer from ROW

- Morongo Indian Reservation Lands
- Reproposed Southwestern Willow Flycatcher Critical Habitat (2011)



SOURCE: Bing (c. 2010); SCE (9/2011, 1/2012)

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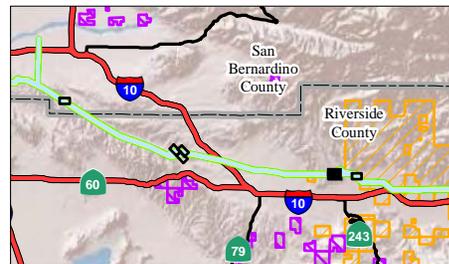
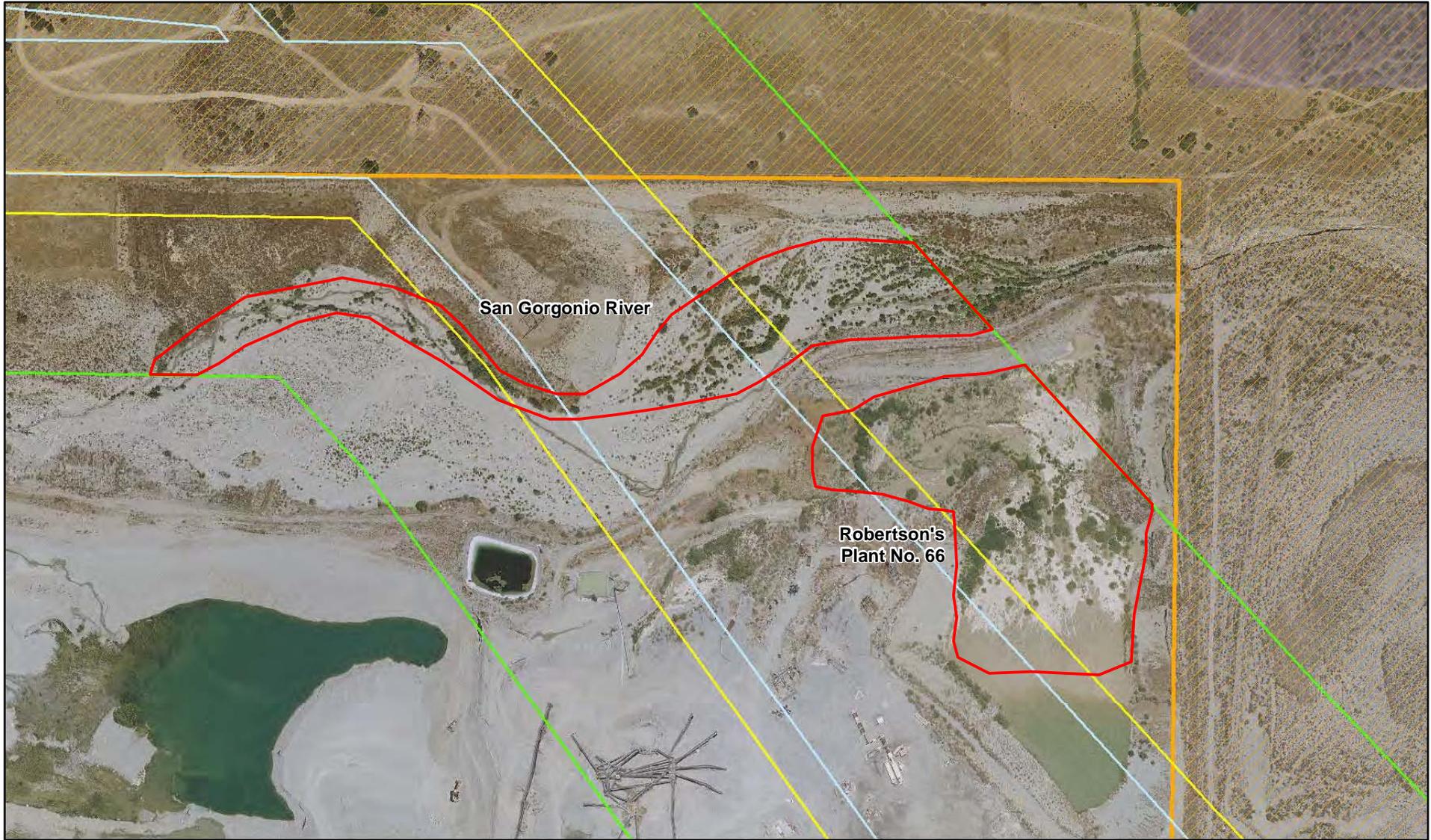


FIGURE 3
Sheet 5 of 6

PROTECTED MATERIALS
Contains Critical Energy Infrastructure Information

West of Devers Project
Riparian Bird Survey Areas



LEGEND

- Riparian Bird Survey Area
- Least Bell's Vireo Territory
- Transmission Line Right-of-Way
- 100 foot Buffer from ROW
- 500 foot Buffer from ROW

- Morongo Indian Reservation Lands
- Reproposed Southwestern Willow Flycatcher Critical Habitat (2011)



SOURCE: Bing (c. 2010); SCE (9/2011, 1/2012)

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FIGURE 3
Sheet 6 of 6

PROTECTED MATERIALS
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West of Devers Project
Riparian Bird Survey Areas



A. Landfill Pond: Mature willows (*Salix* spp.) and cattails (*Typha* sp.) in a small detention basin (7/24/2012).



B. San Timoteo Creek: Water flowing under dense willow riparian canopy along the drainage corridor averaging 150 ft wide (7/12/2012).



C. East tributary to San Timoteo Creek in southern part of survey area showing willows and mulefat (*Baccharis salicifolia*) (7/12/2012).



D. Theodore Street Canyon: View to the south showing western sycamore (*Platanus racemosa*), willows, and sage scrub vegetated canyon and transmission line tower. City of Banning in the distance (7/3/2012).



E. San Gorgonio River: Dry riverbed vegetated with willow species, western cottonwood (*Populus fremontii*), tamarisk (*Tamarix* sp.), and mulefat (4/15/2012).



F. Robertson's Plant No. 66: Open pit with mud and open water and vegetated with emerging tamarisk and willow species (4/15/2012).

LSA

FIGURE 4

West of Devers Project

Representative Site Photos

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APPENDIX B

ANIMAL SPECIES DETECTED

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APPENDIX B

ANIMAL SPECIES DETECTED

This is a list of the conspicuous aerial insects (i.e., damselflies, dragonflies, and butterflies), amphibians, reptiles, birds, and mammals noted in the study area by LSA biologists in 2012. Presence may be noted if a species is seen or heard, or is identified by the presence of tracks, scat, or other signs.

* Species not native to the study area

LEPIDOPTERA

Papilionidae

Papilio rutulus

Pieridae

Pontia protodice

* *Pieris rapae*

Nymphalidae

Liminitis lorquini

Danaus gilippus

AMPHIBIA

Hylidae

Pseudacris hypochondriaca

Ranidae

* *Lithobates catesbeianus*

REPTILIA

Phrynosomatidae

Sceloporus occidentalis

Uta stansburiana

AVES

Anatidae

Anas platyrhynchos

BUTTERFLIES

Swallowtails

Western tiger swallowtail

Whites and Sulphurs

Checkered white

Cabbage white

Brush-Footed Butterflies

Lorquin's admiral

Queen

AMPHIBIANS

Treefrogs and Relatives

Baja California treefrog

True Frogs

American bullfrog

REPTILES

Phrynosomatid Lizards

Western fence lizard

Common side-blotched lizard

BIRDS

Ducks, Geese, and Swans

Mallard

Odontophoridae*Callipepla californica***Ardeidae***Nycticorax nycticorax***Accipitridae***Elanus leucurus**Accipiter cooperii**Buteo lineatus**Buteo jamaicensis***Rallidae***Rallus limicola**Fulica americana***Charadriidae***Charadrius vociferus***Columbidae*** *Columba livia**Zenaida macroura***Tytonidae***Tyto alba***Trochilidae***Archilochus alexandri**Calypte anna**Calypte costae***Picidae***Melanerpes formicivorus**Picoides nuttallii***Falconidae***Falco sparverius***Tyrannidae***Contopus cooperi**Sayornis nigricans**Sayornis saya**Myiarchus cinerascens**Tyrannus vociferans**Tyrannus verticalis***New World Quail**

California quail

Hérons, Bitterns, and Allies

Black-crowned night-heron

Hawks, Kites, Eagles, and Allies

White-tailed kite

Cooper's hawk

Red-shouldered hawk

Red-tailed hawk

Rails, Gallinules, and Coots

Virginia rail

American coot

Plovers and Lapwings

Killdeer

Pigeons and Doves

Rock pigeon

Mourning dove

Barn Owls

Barn owl

Hummingbirds

Black-chinned hummingbird

Anna's hummingbird

Costa's hummingbird

Woodpeckers and Allies

Acorn woodpecker

Nuttall's woodpecker

Caracaras and Falcons

American kestrel

Tyrant Flycatchers

Olive-sided flycatcher

Black phoebe

Say's phoebe

Ash-throated flycatcher

Cassin's kingbird

Western kingbird

Laniidae*Lanius ludovicianus***Vireonidae***Vireo bellii pusillus***Corvidae***Aphelocoma californica**Corvus brachyrhynchos**Corvus corax***Hirundinidae***Stelgidopteryx serripennis**Petrochelidon pyrrhonota**Hirundo rustica***Paridae***Baeolophus inornatus***Aegithalidae***Psaltriparus minimus***Troglodytidae***Salpinctes obsoletus**Troglodytes aedon**Thryomanes bewickii***Regulidae***Regulus calendula***Sylviidae***Chamaea fasciata***Mimidae***Mimus polyglottos**Toxostoma redivivum***Sturnidae*** *Sturnus vulgaris***Ptilonotidae***Phainopepla nitens***Parulidae***Oreothlypis celata**Geothlypis trichas**Setophaga petechia***Shrikes**

Loggerhead shrike

Vireos

Least Bell's vireo

Crows and Jays

Western scrub-jay

American crow

Common raven

Swallows

Northern rough-winged swallow

Cliff swallow

Barn swallow

Chickadees and Titmice

Oak titmouse

Long-Tailed Tits and Bushtits

Bushtit

Wrens

Rock wren

House wren

Bewick's wren

Kinglets

Ruby-crowned kinglet

Sylviid Warblers

Wrentit

Mockingbirds and Thrashers

Northern mockingbird

California thrasher

Starlings

European starling

Silky-flycatchers

Phainopepla

Wood Warblers

Orange-crowned warbler

Common yellowthroat

Yellow warbler

Cardellina pusilla
Icteria virens

Emberizidae

Pipilo maculatus
Aimophila ruficeps
Melospiza crissalis
Chondestes grammacus
Melospiza melodia
Zonotrichia leucophrys

Cardinalidae

Piranga ludoviciana
Pheucticus melanocephalus
Passerina caerulea
Passerina amoena

Icteridae

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

Fringillidae

Haemorhous mexicanus
Spinus psaltria
Spinus lawrencei
Spinus tristis

MAMMALIA**Didelphidae**

* *Didelphis virginiana*

Sciuridae

Spermophilus beecheyi

Leporidae

Sylvilagus audubonii

Felidae

Lynx rufus

Wilson's warbler
Yellow-breasted chat

Emberizids

Spotted towhee
Rufous-crowned sparrow
California towhee
Lark sparrow
Song sparrow
White-crowned sparrow

Cardinals and Allies

Western tanager
Black-headed grosbeak
Blue grosbeak
Lazuli bunting

Blackbirds

Red-winged blackbird
Western meadowlark
Brewer's blackbird
Great-tailed grackle
Brown-headed cowbird
Hooded oriole
Bullock's oriole

Fringilline and Cardueline Finches and Allies

House finch
Lesser goldfinch
Lawrence's goldfinch
American goldfinch

MAMMALS**Opossums**

Virginia opossum

Squirrels, Chipmunks, and Marmots

California ground squirrel

Rabbits and Hares

Audubon's cottontail

Cats

Bobcat

Canidae*Canis latrans***Foxes, Wolves, and Allies**

Coyote

Mustilidae*Mustela frenata***Weasels and Allies**

Long-tailed weasel

Mephitidae*Mephitis mephitis***Skunks**

Striped skunk

Procyonidae*Procyon lotor***Raccoons and Allies**

Raccoon

Suidae* *Sus scrofa***Pigs**

Wild pig

Cervidae*Odocoileus hemionus***Deer, Elk, and Allies**

Mule deer

Taxonomy and nomenclature are based on the following.

Damselflies and dragonflies: Paulson, D. (2009, Dragonflies and Damselflies of the West, Princeton University Press, Princeton, New Jersey).

Butterflies: North American Butterfly Association (2001, NABA checklist and English Names of North American Butterflies, Second Edition, North American Butterfly Association, Morristown, New Jersey; see <http://www.naba.org/pubs/checklst.html>).

Amphibians and reptiles: Crother, B.I. ed. (2008, Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico. *Herpetological Circular 37*) for species taxonomy and nomenclature; Stebbins, R.C. (2003, A Field Guide to Western Reptiles and Amphibians, third edition, Houghton Mifflin, Boston) for sequence and higher order taxonomy.

Birds: American Ornithologists' Union (1998, The A.O.U. Checklist of North American Birds, Seventh Edition, American Ornithologists' Union, Washington D.C.; and supplements; see <http://www.aou.org/checklist/north/index.php>).

Mammals: Wilson, D.E., and D.M. Reeder, eds. (2005, Mammal Species of the World, 3rd ed., Johns Hopkins University Press, Baltimore, Maryland; see <http://www.vertebrates.si.edu/msw/mswcfapp/msw/index.cfm>).

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APPENDIX C

CALIFORNIA NATIVE SPECIES FIELD SURVEY FORMS

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Mail to:
 California Natural Diversity Database
 Department of Fish and Game
 1807 13th Street, Suite 202
 Sacramento, CA 95811
 Fax: (916) 324-0475 email: CNDDDB@dfg.ca.gov

For Office Use Only

Source Code _____ Quad Code _____
 Elm Code _____ Occ. No. _____
 EO Index No. _____ Map Index No. _____

Date of Field Work (mm/dd/yyyy): 04/16/2012

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: *Vireo bellii pusillus*

Common Name: least Bell's vireo

Species Found? Yes No _____ If not, why? _____
 Total No. Individuals 13 Subsequent Visit? yes no
Is this an existing NDDDB occurrence? _____ no unk.
Yes, Occ. #
 Collection? If yes: _____
Number Museum / Herbarium

Reporter: Ingri Quon
Address: 20 Executive Park, #200
Irvine, CA, 92614
E-mail Address: ingri.quon@lsa-assoc.com
Phone: (949) 553-0666

Plant Information

Phenology: _____% vegetative _____% flowering _____% fruiting

Animal Information

10 # adults 3 # juveniles _____ # larvae _____ # egg masses _____ # unknown _____

wintering breeding nesting rookery burrow site other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

San Timoteo Creek is an approximately 1,000 ft corridor that includes San Timoteo Creek and the riparian woodland on the east side of San Timoteo Canyon Road.

County: Riverside Landowner / Mgr.: Riverside Land Conservancy in SCE Right-of-Way
 Quad Name: El Casco; Land Grant: Tract between San Jacinto and San Gorgonio Elevation: 690
 T _____ R _____ Sec _____, _____ 1/4 of _____ 1/4, Meridian: H M S Source of Coordinates (GPS, topo. map & type): Topo Map
 T _____ R _____ Sec _____, _____ 1/4 of _____ 1/4, Meridian: H M S GPS Make & Model _____
DATUM: NAD27 NAD83 WGS84 Horizontal Accuracy _____ meters/feet
Coordinate System: UTM Zone 10 UTM Zone 11 OR Geographic (Latitude & Longitude)
Coordinates: Start: E492840, N3758894; Stop: E493507, 3758031

Habitat Description (plants & animals) plant communities, dominants, associates, substrates/soils, aspects/slope:

Animal Behavior (Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):
Riparian vegetation along San Timoteo Creek and the nearby willow habitat to the east consists of willow woodland and grassy meadows.
LBVI were observed calling during eight visits between April 16 and July 23, 2012. During which 9 male LBVI were detected, 1 paired female, and 3 fledges.
 Please fill out separate form for other rare taxa seen at this site. yellow-breasted chat, yellow warbler

Site Information Overall site/occurrence quality/viability (site + population): Excellent Good Fair Poor

Immediate AND surrounding land use: Transmission line right-of-way
 Visible disturbances: Nonnative plant and animal (American bullfrogs, grasses) species
 Threats: Nonnative species. This area is a conversation area - Riverside Land Conservancy.
 Comments:

Determination: (check one or more, and fill in blanks)

Keyed (cite reference): _____
 Compared with specimen housed at: _____
 Compared with photo / drawing in: _____
 By another person (name): _____
 Other: LSA permitted biologist

Photographs: (check one or more)

	Slide	Print	Digital
Plant / animal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diagnostic feature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

May we obtain duplicates at our expense? yes no

APPENDIX F: BIOLOGICAL RESOURCES

Mail to:
 California Natural Diversity Database
 Department of Fish and Game
 1807 13th Street, Suite 202
 Sacramento, CA 95811
 Fax: (916) 324-0475 email: CNDDDB@dfg.ca.gov

For Office Use Only	
Source Code _____	Quad Code _____
Elm Code _____	Occ. No. _____
EO Index No. _____	Map Index No. _____

Date of Field Work (mm/dd/yyyy): 06/22/2012

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: Lanius ludovicianus

Common Name: loggerhead shrike

Species Found? Yes No _____ If not, why? _____

Total No. Individuals 1 Subsequent Visit? yes no

Is this an existing NDDDB occurrence? _____ no unk.
Yes, Occ. #

Collection? If yes: _____
Number Museum / Herbarium

Reporter: Ingri Quon

Address: 20 Executive Park, #200
Irvine, CA, 92614

E-mail Address: ingri.quon@lsa-assoc.com

Phone: (949) 553-0666

Plant Information

Phenology: _____% vegetative _____% flowering _____% fruiting

Animal Information

1

# adults _____	# juveniles _____	# larvae _____	# egg masses _____	# unknown _____
<input type="checkbox"/> wintering	<input type="checkbox"/> breeding	<input type="checkbox"/> nesting	<input type="checkbox"/> rookery	<input type="checkbox"/> burrow site
<input type="checkbox"/> other				

Location Description (please attach map AND/OR fill out your choice of coordinates, below)
 Cobble and desert scrub habitat associated with the San Geronio River east of an aggregate mine (Robertson's Plant No. 66).

County: Riverside Landowner / Mgr.: Morongo Band of Mission Indians Reservation

Quad Name: Cabazon Elevation: 760

T 3S R 1E Sec 3, _____ ¼ of _____ ¼, Meridian: H M S Source of Coordinates (GPS, topo. map & type): Topo Map

T _____ R _____ Sec _____, _____ ¼ of _____ ¼, Meridian: H M S GPS Make & Model _____

DATUM: NAD27 NAD83 WGS84 Horizontal Accuracy _____ meters/feet

Coordinate System: UTM Zone 10 UTM Zone 11 OR Geographic (Latitude & Longitude)

Coordinates: 513013E, 3755741N

Habitat Description (plants & animals) plant communities, dominants, associates, substrates/soils, aspects/slope:
Animal Behavior (Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):
Grassland and desert scrub with cobble landscape. Gently sloping terrain in valley edge.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): Excellent Good Fair Poor

Immediate AND surrounding land use: Aggregate mine, tribal lands (natural habitat).

Visible disturbances: Nonnative plant species

Threats: Habitat loss. Nonnative plants.

Comments:

Determination: (check one or more, and fill in blanks)

Keyed (cite reference): _____

Compared with specimen housed at: _____

Compared with photo / drawing in: _____

By another person (name): _____

Other: LSA biologist - Denise Woodard, Maria Lum

Photographs: (check one or more)

Slide	Print	Digital
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

May we obtain duplicates at our expense? yes no

Mail to:
 California Natural Diversity Database
 Department of Fish and Game
 1807 13th Street, Suite 202
 Sacramento, CA 95811
 Fax: (916) 324-0475 email: CNDDDB@dfg.ca.gov

For Office Use Only

Source Code _____ Quad Code _____
 Elm Code _____ Occ. No. _____
 EO Index No. _____ Map Index No. _____

Date of Field Work (mm/dd/yyyy): 05/15/2012

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: Icteria virens

Common Name: yellow-breasted chat

Species Found? Yes No _____ If not, why?
 Total No. Individuals 1 Subsequent Visit? yes no
Is this an existing NDDDB occurrence? _____ no unk.
Yes, Occ. #
 Collection? If yes: _____
Number Museum / Herbarium

Reporter: Ingri Quon
Address: 20 Executive Park, #200
Irvine, CA, 92614
E-mail Address: ingri.quon@lsa-assoc.com
Phone: (949) 553-0666

Plant Information

Phenology: _____% vegetative _____% flowering _____% fruiting

Animal Information

1
 # adults # juveniles # larvae # egg masses # unknown
 wintering breeding nesting rookery burrow site other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

San Timoteo Creek Area is an approximately 1,000 ft corridor that includes San Timoteo Creek and the riparian woodland on the east side of San Timoteo Canyon Road.

County: Riverside Landowner / Mgr.: Riverside Land Conservancy in SCE Right-of-Way
 Quad Name: El Casco; Land Grant: Tract between San Jacinto and San Gorgonio Elevation: 690
 T _____ R _____ Sec _____, _____ ¼ of _____ ¼, Meridian: H M S Source of Coordinates (GPS, topo. map & type): Topo Map
 T _____ R _____ Sec _____, _____ ¼ of _____ ¼, Meridian: H M S GPS Make & Model _____
DATUM: NAD27 NAD83 WGS84 Horizontal Accuracy _____ meters/feet
Coordinate System: UTM Zone 10 UTM Zone 11 OR Geographic (Latitude & Longitude)
Coordinates: Start: E492840, N3758894; Stop: E493507, 3758031

Habitat Description (plants & animals) plant communities, dominants, associates, substrates/soils, aspects/slope:

Animal Behavior (Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):
Riparian vegetation along San Timoteo Creek and the nearby willow habitat to the east consists of willow woodland and grassy meadows.

Please fill out separate form for other rare taxa seen at this site. least Bell's vireo; yellow warbler

Site Information Overall site/occurrence quality/viability (site + population): Excellent Good Fair Poor

Immediate AND surrounding land use: Transmission line right-of-way
 Visible disturbances: Nonnative plant and animal (American bullfrogs, grasses) species
 Threats: Nonnative species. This area is a conversation area - Riverside Land Conservancy.
 Comments:

Determination: (check one or more, and fill in blanks)

Keyed (cite reference): _____
 Compared with specimen housed at: _____
 Compared with photo / drawing in: _____
 By another person (name): _____
 Other: LSA permitted biologist

Photographs: (check one or more)

Slide	Print	Digital
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

May we obtain duplicates at our expense? yes no

DFG/BDB/1747 Rev. 6/16/09

APPENDIX F: BIOLOGICAL RESOURCES

Mail to:
 California Natural Diversity Database
 Department of Fish and Game
 1807 13th Street, Suite 202
 Sacramento, CA 95811
 Fax: (916) 324-0475 email: CNDDDB@dfg.ca.gov

For Office Use Only	
Source Code _____	Quad Code _____
Elm Code _____	Occ. No. _____
EO Index No. _____	Map Index No. _____

Date of Field Work (mm/dd/yyyy): 06/21/2012

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: Setophaga petechia

Common Name: yellow warbler

Species Found? Yes No _____ If not, why? _____

Total No. Individuals 1 Subsequent Visit? yes no

Is this an existing NDDDB occurrence? _____ no unk.
Yes, Occ. #

Collection? If yes: _____
Number Museum / Herbarium

Reporter: Ingri Quon

Address: 20 Executive Park, #200
Irvine, CA, 92614

E-mail Address: ingri.quon@lsa-assoc.com

Phone: (949) 553-0666

Plant Information

Phenology: _____% vegetative _____% flowering _____% fruiting

Animal Information

1

# adults _____	# juveniles _____	# larvae _____	# egg masses _____	# unknown _____
<input type="checkbox"/> wintering	<input type="checkbox"/> breeding	<input type="checkbox"/> nesting	<input type="checkbox"/> rookery	<input type="checkbox"/> burrow site
<input type="checkbox"/> other				

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

Approximately 0.4 acres of riparian habitat along SCE's Right-of-Way.

County: Riverside Landowner / Mgr.: One Stop Landscape Supply Center

Quad Name: Redlands Elevation: 500

T 2S R 3W Sec 9, _____ ¼ of _____ ¼, Meridian: H M S

T _____ R _____ Sec _____, _____ ¼ of _____ ¼, Meridian: H M S

DATUM: NAD27 NAD83 WGS84

Source of Coordinates (GPS, topo. map & type): Topo Map

GPS Make & Model _____

Horizontal Accuracy _____ meters/feet

Coordinate System: UTM Zone 10 UTM Zone 11 OR Geographic (Latitude & Longitude)

Coordinates: 480810E, 3764026N

Habitat Description (plants & animals) plant communities, dominants, associates, substrates/soils, aspects/slope:

Animal Behavior (Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):

An isolated pond receiving runoff from the San Bernardino County landfill that supports mature willow woodland and standing water. Small detention basin with mature stand of willows and an understory of cattails.

Please fill out separate form for other rare taxa seen at this site.

Site Information Overall site/occurrence quality/viability (site + population): Excellent Good Fair Poor

Immediate AND surrounding land use: San Bernardino Co. Landfill, nursery (mulch piles).

Visible disturbances: Nonnative plant and animal species

Threats: Water level changes.

Comments: Heavy equipment traffic (occasional daily) surrounding the basin.

Determination: (check one or more, and fill in blanks)

Keyed (cite reference): _____

Compared with specimen housed at: _____

Compared with photo / drawing in: _____

By another person (name): _____

Other: LSA permitted biologist

Photographs: (check one or more)

Plant / animal	Slide <input type="checkbox"/>	Print <input type="checkbox"/>	Digital <input type="checkbox"/>
Habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diagnostic feature	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

May we obtain duplicates at our expense? yes no

Mail to:
 California Natural Diversity Database
 Department of Fish and Game
 1807 13th Street, Suite 202
 Sacramento, CA 95811
 Fax: (916) 324-0475 email: CNDDDB@dfg.ca.gov

For Office Use Only

Source Code _____ Quad Code _____
 Elm Code _____ Occ. No. _____
 EO Index No. _____ Map Index No. _____

Date of Field Work (mm/dd/yyyy): 06/21/2012

Reset

California Native Species Field Survey Form

Send Form

Scientific Name: Setophaga petechia

Common Name: yellow warbler

Species Found? Yes No _____ If not, why? _____
 Total No. Individuals 10 Subsequent Visit? yes no
Is this an existing NDDDB occurrence? _____ no unk.
 Yes, Occ. # _____
 Collection? If yes: _____
 Number _____ Museum / Herbarium _____

Reporter: Ingri Quon
Address: 20 Executive Park, #200
Irvine, CA, 92614
E-mail Address: ingri.quon@lsa-assoc.com
Phone: (949) 553-0666

Plant Information

Phenology: _____% vegetative _____% flowering _____% fruiting

Animal Information

10
 # adults # juveniles # larvae # egg masses # unknown
 wintering breeding nesting rookery burrow site other

Location Description (please attach map AND/OR fill out your choice of coordinates, below)

San Timoteo Creek Area is an approximately 1,000 ft corridor that includes San Timoteo Creek and the riparian woodland on the east side of San Timoteo Canyon Road.

County: Riverside Landowner / Mgr.: Riverside Land Conservancy in SCE Right-of-Way
 Quad Name: El Casco; Land Grant: Tract between San Jacinto and San Gorgonio Elevation: 690
 T _____ R _____ Sec _____, _____ ¼ of _____ ¼, Meridian: H M S Source of Coordinates (GPS, topo. map & type): Topo Map
 T _____ R _____ Sec _____, _____ ¼ of _____ ¼, Meridian: H M S GPS Make & Model _____
DATUM: NAD27 NAD83 WGS84 Horizontal Accuracy _____ meters/feet
Coordinate System: UTM Zone 10 UTM Zone 11 OR Geographic (Latitude & Longitude)
Coordinates: Start: E492840, N3758894; Stop: E493507, 3758031

Habitat Description (plants & animals) plant communities, dominants, associates, substrates/soils, aspects/slope:

Animal Behavior (Describe observed behavior, such as territoriality, foraging, singing, calling, copulating, perching, roosting, etc., especially for avifauna):
Riparian vegetation along San Timoteo Creek and the nearby willow habitat to the east consists of willow woodland and grassy meadows.

Please fill out separate form for other rare taxa seen at this site. least Bell's vireo; yellow-breasted chat

Site Information Overall site/occurrence quality/viability (site + population): Excellent Good Fair Poor

Immediate AND surrounding land use: Transmission line right-of-way
 Visible disturbances: Nonnative plant and animal (American bullfrogs, grasses) species
 Threats: Nonnative species. This area is a conversation area - Riverside Land Conservancy.
 Comments:

Determination: (check one or more, and fill in blanks)

Keyed (cite reference): _____
 Compared with specimen housed at: _____
 Compared with photo / drawing in: _____
 By another person (name): _____
 Other: LSA permitted biologist

Photographs: (check one or more)

Slide	Print	Digital
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

May we obtain duplicates at our expense? yes no

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APPENDIX D

WILLOW FLYCATCHER (WIFL) SURVEY AND DETECTION FORM

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

Site Name: SCE - West of Devers - Landfill State: CA County: San Bernardino
 USGS Quad Name: Redlands Elevation: 500 (meters)
 Creek, River, or Lake Name: Detention Basin

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

Survey Coordinates: Start: E 480810 N 3764026 UTM Datum: NAD 83 (See instructions)
 Stop: E N 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, <i>Diorhabda</i> spp.]. If <i>Diorhabda</i> 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): <u>Stan Spencer</u> <u>Ingrī Quon</u>	Date: <u>5/15/12</u> Start: <u>1025</u> Stop: <u>1035</u> Total hrs: <u>1/6</u>	\emptyset	\emptyset	\emptyset	\emptyset	<u>N/A</u>				
Survey # 2 Observer(s): <u>Stan Spencer</u> <u>Denise Woodard</u>	Date: <u>6/11/12</u> Start: <u>0945</u> Stop: <u>1015</u> Total hrs: <u>1/2</u>	\emptyset	\emptyset	\emptyset	\emptyset	<u>N/A</u>				
Survey # 3 Observer(s): <u>Stan Spencer</u> <u>Denise Woodard</u>	Date: <u>6/21/12</u> Start: <u>0845</u> Stop: <u>0915</u> Total hrs: <u>1/2</u>	\emptyset	\emptyset	\emptyset	\emptyset	<u>N/A</u>				
Survey # 4 Observer(s): <u>Ingrī Quon</u> <u>Stan Spencer</u>	Date: <u>7/2/12</u> Start: <u>0515</u> Stop: <u>0540</u> Total hrs: <u>1/2</u>	\emptyset	\emptyset	\emptyset	\emptyset	<u>N/A</u>				
Survey # 5 Observer(s): <u>Stan Spencer</u> <u>Ingrī Quon</u>	Date: <u>7/12/12</u> Start: <u>1100</u> Stop: <u>1130</u> Total hrs: <u>1/2</u>	\emptyset	\emptyset	\emptyset	\emptyset	<u>N/A</u>				
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: <u>2 1/6</u>		Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any WIFLs color-banded? Yes <u> </u> No <u>✓</u> If yes, report color combination(s) in the comments section on back of form and report to USFWS.				
		\emptyset	\emptyset	\emptyset	\emptyset					

Reporting Individual: Ingrī Quon Date Report Completed:
 US Fish & Wildlife Service Permit #: TE-777965-9 State Wildlife Agency Permit #: SC-000777

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

APPENDIX F: BIOLOGICAL RESOURCES

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

Reporting Individual Ingrì Quon Phone # 949-553-0666
 Affiliation LSA Associates Inc E-mail ingri-quon@lsa-assoc.com
 Site Name SCE - West of Devers - Landfill Date report Completed August 2012
 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 yrs? Yes No Not Applicable
 If name is different, what name(s) was used in the past? N/A
 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) One Stop Landscape Supply Center in SCE right of way
 Length of area surveyed: 0.17 (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 name.

Salix Gooddingii, Populus spp., Tamarix spp.

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.

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

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

Site Name: SE West of Devers - San Timoteo Creek State: CA County: Riverside
 USGS Quad Name: El Casco Elevation: 690 (meters)
 Creek, River, or Lake Name: San Timoteo Creek

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

Survey Coordinates: Start: E 492 840 N 3758894 UTM Datum: NAD 83 (See instructions)
 Stop: E 493 507 N 3758031 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 <i>Diorhabda</i> 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): Stan Spencer Ingrī Quon	Date: <u>5/15/12</u> Start: <u>0510</u> Stop: <u>1000</u> Total hrs: <u>4 5/6</u>	∅	∅	∅	∅	N/A				
Survey # 2 Observer(s): Stan Spencer Denise Woodard	Date: <u>6/11/12</u> Start: <u>0520</u> Stop: <u>0935</u> Total hrs: <u>4 1/4</u>	∅	∅	∅	∅	N/A				
Survey # 3 Observer(s): Stan Spencer Denise Woodard	Date: <u>6/21/12</u> Start: <u>0515</u> Stop: <u>0835</u> Total hrs: <u>3 1/3</u>	∅	∅	∅	∅	N/A				
Survey # 4 Observer(s): Ingrī Quon Stan Spencer	Date: <u>7/2/12</u> Start: <u>0600</u> Stop: <u>1045</u> Total hrs: <u>4 3/4</u>	∅	∅	∅	∅	N/A				
Survey # 5 Observer(s): Stan Spencer Ingrī Quon	Date: <u>7/12/12</u> Start: <u>0535</u> Stop: <u>1050</u> Total hrs: <u>4 1/4</u>	∅	∅	∅	∅	N/A				
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: <u>21 3/4</u>	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any WIFLs color-banded? Yes <u> </u> No <u>✓</u> If yes, report color combination(s) in the comments section on back of form and report to USFWS.					
	∅	∅	∅	∅						

Reporting Individual: Ingrī Quon
 US Fish & Wildlife Service Permit #: TE-777965-9

Date Report Completed: _____
 State Wildlife Agency Permit #: SC-000777

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

APPENDIX F: BIOLOGICAL RESOURCES

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

Reporting Individual Ingrj Quon Phone # 949-553-0666
 Affiliation LSA - Associates Inc. E-mail ingri-quon@lsa-assoc.com
 Site Name SCE - ROW - West of Devers - San Timoteo Creek Date report Completed August, 2012
 Was this site surveyed in a previous year? Yes X No ___ Unknown ___
 Did you verify that this site name is consistent with that used in previous yrs? Yes ___ No X Not Applicable ___
 If 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 X
 Name of Management Entity or Owner (e.g., Tonto National Forest) Riverside Land Conservancy in SCE
 Length of area surveyed: 1.2 (km) right of way

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

- X 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 name.

Salix Gooddingii, Populus spp.

Average height of canopy (Do not include a range): 6 (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 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

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

Site Name: SCE - West of Devers - Canyon State: CA County: Riverside
 USGS Quad Name: Beaumont Elevation: 830 (meters)
 Creek, River, or Lake Name: "Theodore Street" Canyon
 Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? Yes X No
 Survey Coordinates: Start: E 510 087 N 3756 587 UTM Datum: NAD 83 (See instructions)
 Stop: E 510 370 N 3756 063 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, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> 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): Stan Spencer Ingrī Quon	Date: 5/16/12 Start: 0527 Stop: 0645 Total hrs: 1 1/4	∅	∅	∅	∅	N/A				
Survey # 2 Observer(s): Stan Spencer Denise Woodard	Date: 6/12/12 Start: 0520 Stop: 0705 Total hrs: 1 3/4	∅	∅	∅	∅	N/A				
Survey # 3 Observer(s): Maria Lum Denise Woodard	Date: 6/22/12 Start: 0515 Stop: 0700 Total hrs: 1 3/4	∅	∅	∅	∅	N/A				
Survey # 4 Observer(s): Stan Spencer Ingrī Quon	Date: 7/3/12 Start: 0545 Stop: 0730 Total hrs: 1 3/4	∅	∅	∅	∅	N/A				
Survey # 5 Observer(s): Stan Spencer Denise Woodard	Date: 7/13/12 Start: 0745 Stop: 0900 Total hrs: 1 1/4	∅	∅	∅	∅	N/A				
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: <u>7 3/4</u>	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any WIFLs color-banded? Yes <u> </u> No <u>✓</u> If yes, report color combination(s) in the comments section on back of form and report to USFWS.					
	∅	∅	∅	∅						

Reporting Individual: Ingrī Quon Date Report Completed:
 US Fish & Wildlife Service Permit #: TE-777965-9 State Wildlife Agency Permit #: SC-000777

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

APPENDIX F: BIOLOGICAL RESOURCES

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

Reporting Individual Ingrí Quon Phone # 949-553-0666
 Affiliation LSA Associates Inc E-mail ingri.quon@lsa-assoc.com
 Site Name SCE - West of Devers - Canyon Date report Completed August 2012
 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 yrs? Yes No Not Applicable
 If 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) SCE right of way
 Length of area surveyed: 0.5 (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 name.

Salix Gooddingii, Populus spp.,

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.

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

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

Site Name: SCE - West of Devers - Mine State: CA County: Riverside
 USGS Quad Name: Cabazon Elevation: 760 (meters)
 Creek, River, or Lake Name: San Geronimo River & Adjacent Robertson's Mine
 Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? Yes X No
 Survey Coordinates: Start: E 512 192 N 3756 127 UTM Datum: NAD 83 (See instructions)
 Stop: E 512 962 N 3756 005 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, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> 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): Stan Spencer Ingrī Quon	Date: <u>5/16/12</u> Start: <u>0745</u> Stop: <u>1000</u> Total hrs: <u>2 ¼</u>	∅	∅	∅	∅	N/A				
Survey # 2 Observer(s): Stan Spencer Denise Woodard	Date: <u>6/12/12</u> Start: <u>0720</u> Stop: <u>0915</u> Total hrs: <u>2</u>	∅	∅	∅	∅	N/A				
Survey # 3 Observer(s): Maria Lum Denise Woodard	Date: <u>6/22/12</u> Start: <u>0700</u> Stop: <u>0955</u> Total hrs: <u>3</u>	∅	∅	∅	∅	N/A				
Survey # 4 Observer(s): Stan Spencer Ingrī Quon	Date: <u>7/3/12</u> Start: <u>0745</u> Stop: <u>0925</u> Total hrs: <u>1 ¾</u>	∅	∅	∅	∅	N/A				
Survey # 5 Observer(s): Stan Spencer Denise Woodard	Date: <u>7/13/12</u> Start: <u>0530</u> Stop: <u>0730</u> Total hrs: <u>2</u>	∅	∅	∅	∅	N/A				
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: <u>11</u>	Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any WIFLs color-banded? Yes <u> </u> No <u>✓</u> If yes, report color combination(s) in the comments section on back of form and report to USFWS.					
	∅	∅	∅	∅						

Reporting Individual: Ingrī Quon Date Report Completed:
 US Fish & Wildlife Service Permit #: TE-777965-9 State Wildlife Agency Permit #: 5C-000777

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

APPENDIX F: BIOLOGICAL RESOURCES

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

Reporting Individual Ingrj Quon Phone # 949-553-0866
 Affiliation USA Associates Inc E-mail ingri.quon@usa-associ.com
 Site Name sce-west of Devers-Mine Date report Completed August 2012
 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 yrs? Yes No Not Applicable
 If 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) Robertson's Plant No. 66 (mine)

Length of area surveyed: 1.2 (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 name.

Salix Gooddingii, Populus spp., Tamarisk, Bucharis Salicifolia

Average height of canopy (Do not include a range): 4 (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;
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Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features).
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Attach additional sheets if necessary