

September 28, 2015

Ms. Stacey Love Recovery Permits Coordinator Carlsbad Fish and Wildlife Office 2177 Salk Avenue, Suite 250 Carlsbad, California 92008

RE: 2015 SOUTHWESTERN WILLOW FLYCATCHER SURVEY SUMMARY REPORT FOR THE ENCINA HUB PORTION OF THE PROPOSED SAN DIEGO GAS & ELECTRIC COMPANY SYCAMORE TO PEÑASQUITOS 230 kV TRANSMISSION LINE PROJECT, SAN DIEGO COUNTY, CALIFORNIA

Ms. Love:

This letter report summarizes the results of the 2015 focused, protocol-level, presence/absence surveys for the federally and state-listed endangered southwestern willow flycatcher (*Empidonax traillii extimus*) for the Encina Hub portion of the proposed Sycamore to Peñasquitos 230 Kilovolt (kV) Transmission Line Project (Proposed Project). Busby Biological Services, Inc. (BBS) was contracted by Chambers Group, Inc. (Chambers) to conduct these surveys on behalf of the San Diego Gas & Electric Company (SDG&E) to evaluate the potential impacts of the Encina Hub portion of the Proposed Project in the City of Carlsbad, San Diego County, California (Appendix A: Figures 1 and 2).

BACKGROUND INFORMATION

A brief summary of the Proposed Project and southwestern willow flycatcher are provided in this section.

Proposed Project Location and Description

The Encina Hub portion of the Proposed Project is in the southern portion of the U.S. Geological Survey (USGS) 7.5-minute San Luis Rey topographic quadrangle (USGS 1968) in the City of Carlsbad, San Diego County, California (Appendix A: Figures 1 and 2). The Encina Hub contains gently sloping to moderately sloping topography, with elevations ranging from approximately 240 feet above mean sea level (amsl) to 40 feet amsl. Land use within the Encina Hub consists primarily of undeveloped land and natural preserve lands. Adjacent land use includes a municipal golf course, hotels, agriculture, and additional undeveloped land and preserve lands. The Encina Hub is dominated by the following vegetation communities: Diegan coastal sage scrub, disturbed habitat, and bare ground. Other vegetation communities present in smaller proportions include southern riparian scrub, southern willow scrub, mulefat scrub, nonnative grassland, native grassland, ornamental, and developed lands. An unnamed ephemeral drainage in the southwestern portion of Encina Hub runs north to connect with a

riparian corridor in an unnamed canyon drainage within the northeastern portion of Encina Hub.

The Proposed Project includes construction of a new, approximately 16.7-mile 230 kV transmission line between the existing SDG&E Sycamore Canyon and Peñasquitos substations; the consolidation of two existing 69 kV power lines onto new double-circuit, steel structures that would replace existing, predominantly wood structures; and re-routing at the Encina and Mira Mesa Hubs. An existing San Luis Rey–Mission 230 kV transmission line would be removed from service at the Encina Hub to create an open position for the proposed new 230-kV transmission line. The following steps would occur to reconfigure the 230 kV transmission lines at Encina Hub portion of the Proposed Project:

- Remove jumpers between existing towers
- Transfer the existing conductor between towers
- Install jumpers from towers
- Install new conductor from tower between three existing towers
- Install dead ends assemblies, dampers and spacers on existing towers

All new transmission line facilities would be located within existing SDG&E Right-of-Way or within franchise position within existing public roadways, and the entire Proposed Project is located within San Diego County (Appendix A: Figures 1 and 2).

Brief Survey Area Explanation

Focused southwestern willow flycatcher surveys were conducted for the Proposed Project within all suitable habitats within and adjacent to the current Proposed Project alignment. Because the Encina Hub portion of the Proposed Project is located in a geographically distinct location and is not within the immediate vicinity of the main alignment portion of the Proposed Project (Appendix A: Figure 1), two separate southwestern willow flycatcher survey summary reports were prepared for the spring 2015 surveys, one for the southwestern willow flycatcher surveys conducted at Encina Hub and one for the southwestern willow flycatcher surveys conducted along the main alignment. This report focuses on the results of the focused southwestern willow flycatcher surveys conducted at the Encina Hub portion of the Proposed Project.

Southwestern Willow Flycatcher Species Information

The southwestern willow flycatcher is a small, olive-colored, migratory songbird that is federally and state-listed as endangered. One of four subspecies of willow flycatcher it is distinguished by breeding distribution, song, call and plumage. The southwestern willow flycatcher is a neotropic migrant that is endemic to the Americas and is a summer breeding resident in the southwestern U.S., specifically within Arizona, New Mexico, southern California, southern portions of Nevada and Utah, southwestern Colorado, far western Texas, and extreme northwestern Mexico [U.S. Fish and Wildlife Service (USFWS) 2002]. It is the only race of willow flycatcher that is known to breed in southern California, ranging from Kern County to San Diego County. This species arrives on breeding territories by late April to early May and migrates southward again to wintering areas in southern Mexico, Central America, and northern South America in August and September. The two other subspecies of willow flycatcher (e.g., *E. t. brewsteri* and *E. t. adastus*) migrate through

southern California in the spring and fall to and from their breeding grounds in northern California.

The southwestern willow flycatcher typically breeds in patchy to dense, well-developed riparian woodlands along streams, rivers, lakes, or other wetlands, less that 8,000 feet in elevation, that provide surface water and/or saturated soil during mid-summer (Sedgwick 2000; Sogge et al. 1997; USFWS 2002). Typical breeding habitat for southwestern willow flycatcher is composed of native riparian species such as willows (*Salix* spp.) and mulefat (*Baccharis salicifolia*) in patches at least two acres or greater in extent, with linear-shaped habitats at least 10 meters (33 feet) wide (Sogge et al. 1997); however, the species has also been observed successfully breeding in riparian communities dominated by extensive patches of non-native species such as tamarisk (*Tamarix ramosissima*) and Russian olive (*Eleagnus angustifolia*) (USFWS 2002).

Once a common species in southern California, in the early 20th century the southwestern willow flycatcher population collapsed from the combined effects of habitat loss and nest parasitism by brown-headed cowbird (*Molothrus ater*) (Craig and Williams 1998; Garret and Dunn 1981; Sedgwick 2000; Unitt 2004; USFWS 2002). Currently, in southern California it breeds locally at 75 known sites within 18 drainages from San Diego to Santa Barbara and Kern counties and the Owens Valley, most notably within the San Luis Rey, Santa Ana, Santa Ynez, Owens, and Kern rivers which support approximately 70 percent of known territories (Sogge et. al. 2003). Currently, of the estimated 200 breeding pairs in southern California nearly half of them occur in San Diego County, primarily along the upper San Luis Rey River (Unitt 2004).

METHODS

A habitat assessment and focused, protocol-level, southwestern willow flycatcher surveys were performed within suitable habitat located within the Encina Hub portion of the Proposed Project and within a 500-foot buffer of the Encina Hub. The methods used for the habitat assessment and focused, protocol-level surveys are presented in this section.

Habitat Assessment Methods

Prior to initiating the focused, protocol-level southwestern willow flycatcher surveys at the Encina Hub, a USFWS-permitted biologist conducted a focused habitat assessment to identify locations of suitable habitat for the species both within and adjacent to the Encina Hub.

Initially, historical occurrence data for southwestern willow flycatcher that have been reported from within 5 miles of the Encina Hub were evaluated prior to conducting the habitat assessment field survey for southwestern willow flycatcher. A Geographic Information Systems (GIS) specialist generated a map from the most recent version of the CDFW *California Natural Diversity Database* (CNDDB; CDFW 2014) and other databases identifying reported southwestern willow flycatcher detections within a 5-mile buffer of the Encina Hub to allow the USFWS-permitted biologist to view the historic distribution of southwestern willow flycatcher within the vicinity of the Encina Hub.

Next, a USFWS-permitted biologist conducted a field habitat assessment within the Encina Hub and 500-foot buffer to identify potential southwestern willow flycatcher habitat. The

field habitat assessment was conducted by assessing the vegetation communities on foot to gain a closer look at the plant species composition within the potentially suitable habitat.

Polygons of suitable habitat were hand-drawn onto high-resolution aerial field maps. The polygons on these field maps were later screen-digitized in the office by a GIS specialist using ArcGIS software. Finally, survey boundaries were adjusted and potentially suitable southwestern willow flycatcher habitat was either added or eliminated from the survey area through closer investigation on foot during this first of five focused, protocol-level southwestern willow flycatcher surveys.

Focused Southwestern Willow Flycatcher Survey Methods

A USFWS-permitted biologist from BBS conducted protocol-level surveys for the southwestern willow flycatcher in accordance with the current USFWS survey protocol, titled *A Natural History Summary and Survey Protocol for the Southwestern Willow Flycatcher* (2010). The survey protocol entails intensive surveys of suitable habitat as well as detailed datasheets documenting detections, habitat, and other information about the southwestern willow flycatcher.

Five surveys were conducted during the three survey periods, including one survey conducted during the first period (May 15 to June 1), two surveys conducted during the second period (June 1 to June 24), and two surveys conducted during the third period (June 24 to July 17). All surveys were conducted between approximately 5:30am and 10:30am and avoided periods of adverse weather conditions (e.g., excessively hot or cold temperatures, high winds, steady rain, dense fog, and other inclement weather conditions) that would impede detection of the southwestern willow flycatcher.

Surveyors slowly walked throughout the suitable habitat within the survey area and used visual and auditory cues to detect the southwestern willow flycatcher. Various routes were utilized to conduct an unbiased survey of the potentially suitable habitat within the survey area. Pre-recorded southwestern willow flycatcher vocalization playbacks were used only to elicit initial calls from the southwestern willow flycatcher and were not used frequently or to elicit further behaviors. Pre-recorded vocalizations were played for a period of 10 to 15 seconds and were generally repeated approximately every 70 to 100 feet within the surveyed habitat. No more than approximately 0.6 mile of suitable habitat was surveyed per day by the USFWS-permitted biologist.

The Willow Flycatcher Survey and Detection Form was completed during each survey. For each willow flycatcher detection, surveyors recorded the approximate location electronically using a hand-held Global Positioning Systems (GPS) device and by hand onto a high-resolution aerial image of the survey area. Surveyors also estimated the age, sex, and number of individuals detected and included notes about each detection. In addition, surveyors recorded other wildlife species observed directly or detected indirectly by sign, including scat, tracks, calls, and other evidence. Surveyors specifically recorded numbers and locations of parasitic brown-headed cowbirds and sensitive species within and adjacent to the survey area.

RESULTS

The results of the habitat assessment and focused, protocol-level southwestern willow flycatcher surveys are presented in this section.

Habitat Assessment Results

A USFWS-permitted BBS biologist, Laurie Gorman, conducted a field habitat assessment for southwestern willow flycatcher within and adjacent to the Encina Hub during fall 2014. The initial assessment of potentially suitable southwestern willow flycatcher habitat within the Encina Hub and a 500-foot buffer was further refined by Ms. Gorman through closer investigation on foot during the first focused, protocol-level southwestern willow flycatcher survey. A total of approximately 12.52 acres of potentially suitable southwestern willow flycatcher habitat was surveyed within the 500-foot buffer adjacent to the Encina Hub (Appendix A: Figure 3).

Potentially suitable habitat for the southwestern willow flycatcher that required surveys was present along an unnamed ephemeral drainage located in the 500-foot survey buffer north of the Proposed Project site. As part of the Agua Hedionda Watershed, this ephemeral drainage is tributary to Agua Hedionda Creek and is approximately 0.3 mile upstream of Agua Hedionda Lagoon. The potentially suitable habitat for southwestern willow flycatcher consisted of southern riparian scrub and southern willow scrub, with mulefat scrub intermixed. Within the survey area, the vegetation communities listed above have a closed canopy dominated by willows (*Salix* spp.) and/or mulefat (*Baccharis salicifolia*) ranging in height from approximately 5 to 15 feet and a dense shrub and herbaceous understory dominated by California bulrush (*Schoenoplectus californicus*), broadleaf cattail (*Typha latifolia*), and/or coyote brush (*Baccharis pilularis*).

Vegetation communities excluded from the focused, protocol-level southwestern willow flycatcher surveys because they were determined through field reconnaissance not to contain suitable habitat for the species include various upland vegetation communities, such as coastal sage scrub, chaparral, grassland, bare ground, developed lands, ornamental vegetation, and disturbed habitat.

Focused Southwestern Willow Flycatcher Survey Results

A total of five protocol-level southwestern willow flycatcher surveys were conducted within approximately 12.52 acres of potentially suitable habitat between May 19 and July 9, 2015 (Appendix A: Figure 3). Each survey took one day to complete because the habitat was easily accessible and contiguous throughout the survey area. All surveys were conducted during appropriate weather conditions by USFWS-permitted BBS biologist Laurie Gorman (TE-233367-2). Appendix B provides a summary of survey conditions, including survey times, weather conditions, and name of surveyor. Appendix C contains photographs of the southwestern willow flycatcher survey area.

A total of two willow flycatchers were detected during the focused surveys. Both of these individuals were detected during the second focused survey on June 3, 2015, approximately 0.25 mile apart from each other (see Table 1, below; Appendix A: Figures 4 and 5). These individuals were observed foraging and heard making "whit" and "fitz-bew" vocalizations in response to the pre-recorded vocalization playbacks. No willow flycatchers

were detected during the subsequent three surveys. Therefore, the two willow flycatchers detected were determined to be migrating individuals, likely of the little willow flycatcher subspecies (*Empidonax traillii brewsteri*), which have a peak migration in San Diego County during early June (Unitt 2004). The breeding range of the little willow flycatcher is found further north than the southwestern willow flycatcher, extending from Tulare County, California into Vancouver Island, Canada (Craig et al. 1998, Sogge et al. 2010). No breeding southwestern willow flycatchers were detected during the surveys. Appendix D contains the Willow Flycatcher Survey and Detection Form that was completed during each survey and that contains details on the two willow flycatcher detections.

WIEL*	Survey	Survey	GPS Location (NAD 83, Zone 11S)		
Detection #	#	Date	Northing	Easting	Notes
1	2	6/03/15	33.13280	-117.30374	One willow flycatcher observed foraging. Heard making "whit" and "fitz-bew" vocalizations in response to playback tape. Otherwise only made an occasional shy "whit."
2	2	6/03/15	33.13531	-117.30695	One willow flycatcher observed foraging. Heard making "whit" and "fitz-bew" vocalizations in response to playback tape. Otherwise only made an occasional shy "whit."

Table 1. Summary of Willow Flycatcher Detections

*WIFL: willow flycatcher

In addition to the willow flycatcher, 54 other wildlife species were detected during the focused southwestern willow flycatcher surveys or incidentally during access to and from the survey area (Appendix E). Of these 54 species, the coastal California gnatcatcher (*Polioptila californica californica*) is listed as federally threatened by the USFWS and as a Species of Special Concern by the CDFW, and the yellow-breasted chat (*Icteria virens*), yellow warbler (*Dendroica petechia*), and the Clark's marsh wren (*Cistothorus palustris clarkae*) are considered Species of Special Concern by the CDFW. Appendix F provides GPS locations of sensitive species detected during the focused surveys. In addition, one male brown-headed cowbird was detected calling east of the survey area during the first focused survey on May 19, 2015, at GPS location (NAD83) 33.133565 degrees North, -117.304547 degrees West.

Detection locations of sensitive species and brown-headed cowbirds are depicted on an aerial map of the survey area in Figure 4 of Appendix A. Figure 5 of Appendix A displays the locations of willow flycatcher detections on a USGS quadrangle map. It should be noted that the list of sensitive species presented in Appendix F and locations of sensitive species presented in Figures 4 and 5 of Appendix A were either detected during the focused southwestern willow flycatcher surveys or incidentally during access to and from the survey area and may reflect repeated detections of the same individuals of a species from one survey to the next. Therefore, these Appendices are intended to show the type and general location of sensitive species detected, not quantity of individuals present.

SUMMARY

No southwestern willow flycatcher were detected during the 2015 focused, protocol-level southwestern willow flycatcher surveys conducted at the Encina Hub.

Please do not hesitate to contact Melissa Busby at <u>melissa@busbybiological.com</u> or 858.334.9507 or me at <u>darin@busbybiological.com</u> or 858.334.9508 if you have any questions.

Sincerely,

Darin Busby Owner/Principal Biologist Busby Biological Services, Inc.

APPENDICES

- Appendix A: Figures
- Appendix B: Survey Conditions
- Appendix C: Photographs
- Appendix D: Willow Flycatcher Survey and Detection Form
- Appendix E: Wildlife Species Detected
- Appendix F: Incidental Sensitive Species Detected

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 - 1968 7.5-minute San Luis Rey Topographic Quadrangle (Photorevised 1975)
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PROJECT BIOLOGIST SIGNATURE PAGE

All biologists performing focused, protocol-level, southwestern willow flycatcher (*Empidonax traillii extimus*) surveys for the Encina Hub portion of the proposed Sycamore to Peñasquitos Substation 230 kilovolt transmission line project (Proposed Project) were permitted to survey for this species under Section 10(a)(1)(A) of the Endangered Species Act (ESA). The undersigned Proposed Project biologist certifies this report to be a complete and accurate account of the findings and conclusions of surveys for southwestern willow flycatcher conducted for the Proposed Project during spring 2015.

Laurie Jomas

Laurie Gorman Senior Biologist/Project Manager Busby Biological Services, Inc. ESA Permit Number TE-233367-2

APPENDIX A – Figures







		Sycam	ore to Peñ	asquitos 230 kV Transmiss	ion Line Project
				Survey Area M	1ap - Encina Hub
Potential Southwestern Willow F	lycatcher Hal	oitat			Figure 3
Encina Hub 500ft Buffer	0	300	600	900 ******* TOPOLLE OTE	RC <u>SDG</u>
				Feet //9/2015	A Sempra Energy"utility



3.13DGE_3AZFQdHuTL090T/3DGE_3uHHSe3A	PQUWAD/F0CusedSWFLSurvey_070215(SAt0PQ_busbyF0CusedSWFLSurvey_SpeciesDetectionWap_Fig4.fitxu
Species Detections	Sycamore to Peñasquitos 230 kV Transmission Line Project
Brood Parasite	Species Detection Map - Encina Hub
Brown-headed Cowbird	
Sensitive Species	Figure 4
Clark's Marsh Wren	
Coastal California Gnate	atcher
Willow Flycatcher	
Yellow Warbler	Potential Southwestern Willow Flycatcher Habitat
Yellow-breasted Chat	Encina Hub 500ft Buffer



 Sycamore to Peñasquitos 230 kV Transmission Line Project

 Willow flycatcher Detections

 Willow Flycatcher Detection Site

 Potential Southwestern Willow Flycatcher Habitat

 Encina Hub 500ft Buffer

 0
 400
 800
 1,200
 Transmission Line Project

 Villow Flycatcher Detection Site
 0
 400
 800
 1,200
 Transmission Line Project

APPENDIX B – Survey Conditions

				Temp	Wind	Clouds		
Survey #	Date	Ti	me	(°F)	(mph)	(%)	Precip	Surveyors
1	5/10/15	Start	0535	55	0-1	30	0	Laurie
1	5/19/15	End	1000	67	1-5	25	0	Gorman
2	6/2/15	Start	0600	63	0-1	100	0	Laurie
2	0/3/13	End	1045	70	2-6	50	0	Gorman
2	6/11/15	Start	0600	62	0-1	100	0	Laurie
3	0/11/13	End	1030	68	0-3	100	0	Gorman
4	C/07/4E	Start	0645	67	0-1	100	0	Laurie
4	0/27/15	End	1040	74	1-5	70	0	Gorman
-	7/0/15	Start	0630	65	0-2	95	0	Laurie
5	1/9/15	End	1035	72	0-4	50	0	Gorman

Appendix B – Survey Conditions

APPENDIX C – Photographs

Appendix C – Photographs



APPENDIX D – Willow Flycatcher Survey and Detection Form

Appendix 1. Willow Flycatcher Survey and Detection Form

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

		Willow	v Flycatch	ner (WIFI	L) Survey and	d Detection Form (revised	l April	2010)		
Site Name	Encin	a Hi	ub le la	A . A	Sugar Sec.	State CA Count	y So	m	Diego	
Creek, Riv	er, Wetland,	or Lake	Name Tr	ibilta	y to Ar	a Hediorda Cr	ek	[1.]	melesymet	ers)
Is cop Survey Co	y of USGS n ordinates: Si S	tart: E 4 top: E 5	ed with so 17154 17105	1.77 7.39	N_3666	ightings attached (as requi 126.12 UTM 663.02 UTM	Datum	NAT	Yes X N See instruc	tions)
11 SULL	ey coordinal	tes chang	ed between Fill in ad	n visits, et ditional	l site inform	nation on back of this	page	**	on dack of un	s page.
Survey # Observer(s) (Full Name)	Date (m/d/y) Survey time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior, evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> found, contact USFWS and State WIFL coordinator	GPS Co (this is individ each su necessa	oordinat an optio uals, pa urvey). ary.	tes for WIFL Deta onal column for d irs, or groups of b Include additional	ections ocumenting pirds found on I sheets if
Survey #1	Date /	and the second			and the second	one brown-header	# Birds	Sex	UTME	UTM N
Observer(s)	5/19/15 Start		0		N	E se survey area	-	A	51A	
Laune	0535 Stop	0	0	0	1.	PGPS NAD 83 ILS		1	11	
Gorman	1000 Total hrs 4	11.00	Sec. all	1.11	LANK	471595ME				
Survey #2	Deta			1	1.272	Both individuals	# Birds	Sex	UTME	UTM N
Observer(s)	6/3/15			-		vocalizing "whit"	1	Unk	471668	3666050
Linan	Start 0600	2	0	0	N	in response to tape	1	MK	47 1370	3666330
Gorno	Stop 1045			180	Sec. 1	but onewise not				
Survey #3	Total hrs				1. 100 100	moving ather hear	# Birds	Sex	UTME	UTM N
Observer(s)	6/11/15			1.1.1	1998				- /	
1.	Startowoo	00	0	ON N/A	NIA	-	IN	A	1000	
Gorman	Stop 630	-		12.9	Contraction of	10/14	-			
0	Total hrs 7.	-					# Diada	Car	UTME	UTMN
Survey # 4 Observer(s)	Date 6/27/15					2 Walter M	# Blius	JOEA	C I	UIMIN
L.	Start Db45	0	0	0	N	NI			1/A	
Gorman	Stop 40	0	0	0		14	-	1	17	
G	Total hrs 4	-		1.5			-		/	
Survey # 5	Date,		1.14.54	194.0			# Birds	Sex	UTM E	UTM N
Joserver(s)	1/9/15 Start		-	0			-	Af	1	100 St. 201
C.	0630 Stop	0	0	0	N	N/A	-	1V	VA	
Gormon	(03) Total hrs 4				100.0	1.	-	1		
Overall Site Summary Totals do not equal the sum of each column. Include only resident adults. Do not include migrants, nestlings, and fledglings. Be careful not to double count individuals.		Total Adult Residents	Total Pairs	Total Territories	Total Nests	Were any Willow Flycato	thers co	olor-ba	nded? Yes_	_No_X
		0	0	0	0	If yes, report color combi section on back of form a	ination(s) in the comments and report to USFWS.			
Total Survey Hrs	2.2.4	1.1.1			41.2		1			and the second
D		101		Gan		Data Banart Completer	1 1	19	115	

US Fish and Wildlife Service Permit # <u>TE-233367-2</u> <u>Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.</u>

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

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

Reporting Individual Laurie Gorman	Phone # 949-933-9432
Affiliation Busby Biological Services, Inc.	E-mail Laurie@busbybiologicalice
Site Name Encina Hub	Date Report Completed 7-9-15
Did you verify that this site name is consistent with that used in previous years? If site name is different, what name(s) was used in the past? N/A	Yes No Not Applicable 🗡
If site was surveyed last year, did you survey the same general area this year?	Yes No If no, summarize below.
Did you survey the same general area during each visit to this site this year?	Yes X No If no, summarize below.
Management Authority for Survey Area : Federal Municipal/County / Name of Management Entity or Owner (e.g., Tonto National Forest)	ef Carlsbac Private
Length of area surveyed: <u>124</u> (meters)	
Vegetation Characteristics: Mark the category that best describes the predominar $\cancel{1}$ Native broadleaf plants (entirely or almost entirely, > 90% native, inclu	nt tree/shrub foliar layer at this site (check one): ides high-elevation willow)
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 scien	ntific name.
Average height of canopy (Do not include a range): 3.66 (22 feet	(meters)
A trach conv of USGS quad/tonographical map (REQUIRED) of survey area out	lining survey site and location of WIFL detections.

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

Comments (attach additional sheets if necessary)
The 2 willow Aycatcher detections were 2 toraging individuals
during survey # 2 that were approx. 0.25 mile apart. No willow
furatchers were detected in subsequent surveys. Therefore,
The willow frycatchers detected in the second survey were
determined to be migrating individuals.

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

Territory Number	All Dates Detected	UTM N	UTM E	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)
N/A			1. 19. 19.			
and and						
				1		

Attach additional sheets if necessary

APPENDIX E – Wildlife Species Detected

INVERTEBRATES		
Class: Insecta		Insects
Order: Lepidoptera		Butterflies
Family Papilionidae		Parnassians and Swallowtails
	Papilio eurvmedon	Pale Swallowtail
Family Nymphalidae		Brush-footed Butterflies
	Danaus plexippus	Monarch
Class: Sauropsida		
Order: Squamata	P	Snakes and Lizards
Family Phrynosomati		Spiny Lizards
	Uta stansburiana	Common Side-blotched Lizard
VERTEBRATES		
Class: Aves		Birds
Order Galliformes		Gallinaceous Birds
Family Odontophorid	ae	New World Quail
	Callipepla californica	California Quail
Order Ciconiiformes		Herons, Ibises, Storks, American Vultures, and Allies
Family Accipitridae		Hawks, Kites, Eagles, and Allies
	Pandion haliaetus	Osprey
	Buteo jamaicensis	Red-tailed Hawk
Order Columbiformes	5	Pigeons and Doves
Family Columbidae		Pigeons and Doves
	Zenaida macroura	Mourning Dove
Order Apodiformes		Swifts and Hummingbirds
Family Apodidae		Swifts
	Aeronautes saxatalis	White-throated Swift
Family Trochilidae		Hummingbirds
	Calypte anna	Anna's Hummingbird
	Calypte costae	Costa's Hummingbird
	Selasphorus sasin	Allen's Hummingbird
Order Piciformes		Woodpeckers and Allies
Family Picidae		Woodpeckers
	Picoides nuttallii	Nuttall's Woodpecker
	Colaptes auratus	Northern Flicker
Order Passeriformes		Perching Birds
Family Tyrannidae		Tyrant Flycatchers
	Contopus sordidulus	Western Wood-Pewee
	Empidonax traillii	Willow Flycatcher
	Empidonax difficilis	Pacific-slope Flycatcher
	Sayornis nigricans	Black Phoebe
	Tyrannus vociferans	Cassin's Kingbird
Family Corvidae		Crows and Jays
	Aphelocoma californica	Western Scrub-Jay

Appendix E - Wildlife Species Detected

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	Corvus brachyrhynchos	American Crow
	Corvus corax	Common Raven
Family Hirundinidae		Swallows
	Stelgidopteryx serripennis	Northern Rough-winged Swallow
	Hirundo pyrrhonota	Cliff Swallow
Family Aegithalidae		Bushtits
	Psaltriparus minimus	Bushtit
Family Troglodytidae		Wrens
	Thryomanes bewickii	Bewick's Wren
	Troglodytes aedon	House Wren
	Cistothorus palustris clarkae	Clark's Marsh Wren
Family Sylviidae		Gnatcatchers
	Polioptila caerulea	Blue-gray Gnatcatcher
	Polioptila californica	Coastal California Gnatcatcher
Family Timaliidae		Babblers
	Chamaea fasciata	Wrentit
Family Mimidae	•	Mockingbirds and Thrashers
	Mimus polyglottos	Northern Mockingbird
	Toxostoma redivivum	California Thrasher
Family Sturnidae	•	Starlings
	Sturnus vulgaris	European Starling
Family Ptilogonatidae)	Silky-flycatchers
	Phainopepla nitens	Phainopepla
Family Parulidae	· · · ·	Wood-Warblers
	Vermivora celata	Orange-crowned Warbler
	Dendroica petechia	Yellow Warbler
	Geothlypis trichas	Common Yellowthroat
	Icteria virens	Yellow-breasted Chat
Family Emberizidae		Emberizids
	Pipilo maculatus	Spotted Towhee
	Pipilo crissalis	California Towhee
	Melospiza melodia	Song Sparrow
Family Cardinalidae		Cardinals and Allies
	Pheucticus melanocephalus	Black-headed Grosbeak
Family Icteridae		Blackbirds
	Agelaius phoeniceus	Red-winged Blackbird
	Molothrus ater	Brown-headed Cowbird
Family Fringillidae		Fringilline and Cardueline Finches and Allies
	Carpodacus mexicanus	House Finch
	Carduelis psaltria	Lesser Goldfinch

Appendix E - Wildlife Species Detected (Continued)

Family Estrildidae		Estrildid Finches
	Lonchura puntulata	Scaly-breasted Munia
Class: Mammalia		Mammals
Order Lagomorpha		Rabbits, Hares, and Pikas
Family Leporidae		Rabbits and Hares
	Sylvilagus audubonii	Desert Cottontail
Order Rodentia		Rodents
Family Sciuridae		Squirrels and Chipmunks
	Spermophilus beecheyi	California Ground Squirrel
Family Muridae		Mice, Rats, and Voles
	Neotoma lepida	Desert Woodrat
Order Carnivora		Carnivores
Family Canidae		Dogs and foxes
	Canis familiaris	Domestic Dog
	Canis latrans	Coyote
Family Procyonidae		Raccoons and Relatives
	Procyon lotor	Raccoon
Order Artiodactyla		Even-toed Ungulates
Family Cervidae		Deer and Elk
	Odocoileus hemionus	Mule Deer

Appendix E - Wildlife Species Detected (Continued)

APPENDIX F – Incidental Sensitive Species Detected

		Species		# of	GPS Location (Decimal Degrees)	
Survey #	Date	Type*	Status**	Individuals	Northing	Easting
1	5/19/15	CAGN	FT, SSC	1	33.136045	-117.309608
1	5/19/15	CAGN	FT, SSC	2	33.138372	-117.307792
1	5/19/15	YBCH	SSC	1	33.138196	-117.307726
1	5/19/15	YEWA	SSC	1	33.138486	-117.308418
1	5/19/15	CAGN	FT, SSC	2	33.135843	-117.312189
1	5/19/15	CMWR	SSC	1	33.136605	-117.307447
2	6/03/15	YEWA	SSC	1	33.133521	-117.304732
2	6/03/15	YBCH	SSC	1	33.133159	-117.303767
2	6/03/15	YEWA	SSC	1	33.135146	-117.306363
2	6/03/15	CAGN	FT, SSC	1	33.133968	-117.307876
3	6/11/15	CAGN	FT, SSC	2	33.132674	-117.304550
3	6/11/15	YBCH	SSC	2	33.133210	-117.304464
3	6/11/15	YBCH	SSC	1	33.134504	-117.306095
3	6/11/15	YEWA	SSC	1	33.135201	-117.306728
3	6/11/15	YBCH	SSC	1	33.138080	-117.309281
4	6/26/15	CAGN	FT, SSC	1	33.135993	-117.308552
4	6/26/15	CAGN	FT, SSC	5	33.134655	-117.308101
4	6/26/15	CAGN	FT, SSC	1	33.133535	-117.308257
5	7/09/15	CAGN	FT, SSC	1	33.135788	-117.307704
5	7/09/15	CAGN	FT, SSC	1	33.133094	-117.305167
5	7/09/15	CAGN	FT, SSC	1	33.133869	-117.306384
5	7/09/15	CAGN	FT, SSC	2	33.134081	-117.308182
5	7/09/15	YBCH	SSC	1	33.133275	-117.304625

Appendix F – Incidental Sensitive Species Detected

*Species Codes:

CAGN = coastal California gnatcatcher (*Polioptila californica californica*) YBCH = yellow-breasted chat (*Icteria virens*) YEWA = yellow warbler (*Dendroica petechia*) CMWR = Clark's marsh wren (*Cistothorus palustris clarkae*)

**Status:

FT = Federally Threatened (USFWS)

SSC = Species of Special Concern (CDFW)