

November 16, 2018 (2018-047.006)

Mr. Steve Gibson Senior Environmental Scientist (Specialist) CA Department of Fish and Wildlife 4665 Lampson Avenue, Suite C Los Alamitos, CA 90720

Subject: Protected Species Preconstruction Surveys for the Devil's Gate Reservoir Restoration Project, in the City of Pasadena, California

Dear Mr. Gibson,

This letter report has been prepared to present the results of preconstruction surveys for protected species conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Department of Public Works' (LACDPW) Devil's Gate Reservoir Restoration Project in the City of Pasadena, Los Angeles County, California. The preconstruction surveys for protected species were conducted to comply with Condition 2.10 in the California Department of Fish and Wildlife (CDFW) Streambed Alteration Agreement (SAA) 1600-2015-0263-R5 that was issued for the Devil's Gate Sediment Removal and Management Project (Project) on March 21, 2017.

According to the SAA, protected species are defined as "a species fully protected under state law; a species listed under the California Endangered Species Act (Fish and Game Code § 2050 et seq.) and/or Endangered Species Act (16 U.S.C. § 1531 et seq.); a species identified by CDFW as a species of special concern; or any other species for which take is prohibited under state or federal law". The protected species in the SAA are listed in Table 1 below.

Table 1. Protected Species in SAA

Common Name	Scientific Name	Special-Status Designation*
Plants		
Slender-horned spineflower	Dodecahema leptoceras	Fed: END CA: END
Reptiles and Amphibians	·	
Two-striped garter snake	Thamnophis hammondii	Fed: none CA: SSC
Coast range newt	Taricha torosa torosa	Fed: none CA: SSC
Western pond turtle	Actinemys marmorata	Fed: none CA: SSC
Coast patch-nosed snake	Salvadora hexalepis	Fed: none CA: SSC
Birds		
Burrowing owl	Athene cunicularia	Fed: none CA: SSC

Common Name	Scientific Name	Special-Status Designation*
Yellow warbler	Dendroica petechia	Fed: none CA: SSC
Southwestern willow flycatcher	Empidonax traillii extimus	Fed: END CA: END
Least Bell's vireo	Vireo bellii pusillus	Fed: END CA: END
Yellow breasted chat	Icteria virens	Fed: none CA: SSC
Loggerhead shrike	Lanius Iudovicianus	Fed: none CA: SSC
Bats		
Western mastiff bat	Eumops perotis californicus	Fed: none CA: SSC
Western yellow bat	Lasiurus xanthinus	Fed: none CA: SSC
Pallid bat	Antrozous pallidus	Fed: none CA: SSC

^{*} END – endangered; SSC – Species of Special Concern

Site Description

The Project is located within the City of Pasadena in the upper portion of the Arroyo Seco Watershed and within the City's Hahamongna Watershed Park. Downtown Los Angeles is approximately 14 miles to the south of the Project, the San Gabriel Mountains are located just north of the Project, and the City of La Cañada Flintridge and the unincorporated community of Altadena are located to the west and east, respectively (Figure 1. Project Vicinity, Figure 2. Project Location). The Project is located within the "Pasadena, California" 7.5-minute quadrangle.

The topography in the vicinity of the proposed Project consists of rolling terrain with a decline into the Arroyo Seco basin. The San Gabriel Mountains are located to the north of the proposed Project and are characterized by both the foothills and steep slopes associated with mountainous terrain. The ISRA is composed primarily of black willow thickets (*Salix gooddingii* Woodland Alliance) and mulefat thickets (*Baccharis salicifolia* Shrubland Alliance) towards the southern end and scalebroom scrub (*Lepidospartum squamatum* Shrubland Alliance) towards the northern end. Additionally, some areas towards the southern end of the ISRA were classified as disturbed and/or dominated by weedy species.

METHODS

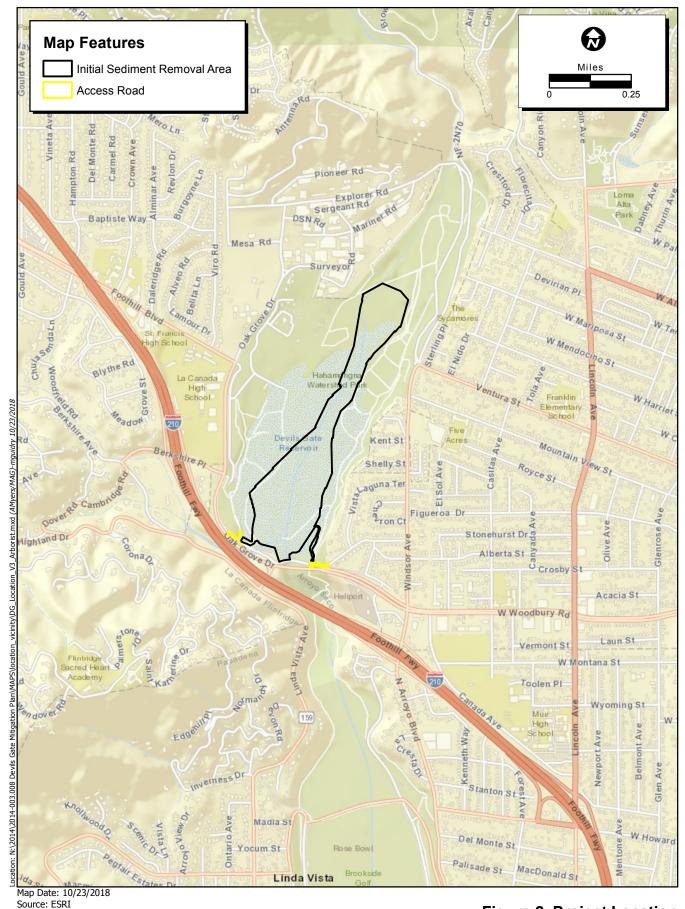
Preconstruction surveys for each protected species group (plants, reptiles and amphibians, birds, bats) were conducted following the survey techniques described in the Protected Species Survey Techniques Report submitted to CDFW on October 16, 2018 and approved by CDFW on October 18, 2018. (Attachment A).



wap Dave. 27272016 Service Layer Credits: Sources: USGS, ESRI, TANA, AND

Figure 1. Project Vicinity





ECORP Consulting, Inc. ENVIRONMENTAL CONSULTANTS

Figure 2. Project Location

RESULTS

The preconstruction surveys for protected species were each lead by CDFW-approved Designated Biologists for each appropriate species group. The dates, personnel, survey focus, and weather conditions for each survey are presented in Table 1. Representative photographs of the project site during surveys are provided in Attachment B, field survey datasheets are provided in Attachment C.

Table 1. Weather Conditions during Surveys

Date Survey Focus		Surveyors*	Tiı	ne	Tempe	rature	Clo Cove		Spo	ind eed ph)
			start	end	start	end	start	end	start	end
11/1/2018	Birds	LS, CL	0720	1400	59	83	0	65	0-1	0-1
11/1/2018	Plants	CL, LS	0720	1400	59	83	0	65	0-1	0-1
11/2/2018	Reptiles &	BZ, TD	1042	1354	88	90	0	0	1-4	0-1
	Amphibians									
11/6/2018	Bats	LS, TD	1100	1840	72	62	0	0	0-2	0-1
11/7/2018	Bats	LS, TD	1200	1815	70	60	0	0	0-1	1-4
11/8/2018	Bats	LS, TR	1625	1824	69	68	0	0	0-3	4-10
11/12/2018	Reptiles &	AS, TD	0800	1330	61	77	0	0	0-2	0-2
	Amphibians									

^{*}LS = Lauren Simpson, CL = Carley Lancaster, BZ = Brian Zitt, TD = Taylor Dee, TR = Torrey Rotellini, AS = Adam Schroeder

Plants

Slender-horned spineflower was not identified during the preconstruction surveys for protected species. A complete list of all plant species observed during the preconstruction surveys is provided in Attachment D.

Reptiles and Amphibians

No protected reptile or amphibian species listed in the SAA were identified during the preconstruction surveys for protected species. A juvenile coastal whiptail (*Aspidoscelis tigris stejnegeri*), a CDFW Species of Special Concern, was observed during the survey on November 2, 2018 at 12:35 pm on the eastern edge of the Project boundary (34.19140487, -118.17242617). The coastal whiptail is not a target protected species listed in the SAA. A California Natural Diversity Database (CNDDB) California Native Species Field Survey Form will be prepared and submitted for the observation. A complete list of all reptiles, amphibians, and other wildlife species observed during the preconstruction surveys is provided in Attachment E.

Birds

No protected bird species were identified during the preconstruction surveys for protected species. A complete list of all birds and other wildlife observed during the preconstruction surveys is provided in Attachment E. Three additional preconstruction surveys for least Bell's vireo (*Vireo pusillus bellii*) will be conducted on three separate days within one week prior to project initiation.

Bats

No protected bat species were identified during the focused preconstruction bat surveys. The results of the preconstruction surveys for bats are described in the Preconstruction Bat Survey Report for the Project transmitted to CDFW on November 16, 2018.

Discussion

No protected species listed in the SAA were observed during any of the preconstruction surveys. Based on the negative findings of the pre-construction presence/absence surveys, it was determined that protected species listed in the SAA were not present on the Project site and Project activities will not affect these protected species at this time. Measures implemented during biological monitoring during initial vegetation removal activities should provide adequate protection to avoid impacts to coastal whiptail during Project activities.

If you have any questions regarding the contents of this letter report, please contact me at (714) 648-0630 or <a href="mailto:lister-letter-l

DATE: November 16, 2018

SIGNED:

Lauren Simpson Staff Biologist

ECORP Consulting, Inc.

1801 Park Court Place, Building B. Ste 103.

Santa Ana, CA 92701

Attachments:

Attachment A: Devil's Gate Protected Species Survey Techniques

Attachment B: Representative Site Photos

Attachment C: Field Datasheets Attachment D: Plant Compendium Attachment E: Wildlife Compendium

ATTACHMENT A

Devil's Gate Protected Species Survey Techniques



October 16, 2018 (2018-047.006)

Mr. Steve Gibson Senior Environmental Scientist (Specialist) CA Department of Fish and Wildlife 4665 Lampson Avenue, Suite C Los Alamitos, CA 90720

Subject: Protected Species Survey Techniques for the Devil's Gate Reservoir

Sediment Removal and Management Project, in the City of Pasadena,

California.

Dear Mr. Gibson,

This letter report has been prepared to provide survey techniques for protected species in accordance with Condition 2.10 in the California Department of Fish and Wildlife (CDFW) Streambed Alteration Agreement (SAA) 1600-2015-0263-R5 that was issued for the Devil's Gate Sediment Removal and Management Project (Project) on March 21, 2017.

ECORP is proposing the following survey techniques for approval by the CDFW for the protected species listed in the SAA. According to the SAA, protected species are defined as "a species fully protected under state law; a species listed under the California Endangered Species Act (Fish and Game Code § 2050 et seq.) and/or Endangered Species Act (16 U.S.C. § 1531 et seq.); a species identified by CDFW as a species of special concern; or any other species for which take is prohibited under state or federal law". The protected species found in the SAA are listed in Table 1 below.

Table 1. Protected Species in SAA

Common Name	Scientific Name	Special-Status Designation*
Plants		
Slender-horned spineflower	Dodecahema leptoceras	Fed: END
		CA: END
Reptiles and Amphibians		
Two-striped garter snake	Thamnophis hammondii	Fed: none
· -		CA: SSC
Coast range newt	Taricha tarosa tarosa	Fed: none
		CA: SSC
Western pond turtle	Actinemys marmorata	Fed: none
		CA: SSC
Coast patch-nosed snake	Salvadora hexalepis	Fed: none
		CA: SSC
Birds		
Burrowing owl	Athene cunicularia	Fed: none
		CA: SSC

Common Name	Scientific Name	Special-Status Designation*
Yellow warbler	Dendroica petechia	Fed: none CA: SSC
Southwestern willow flycatcher	Empidonax traillii extimus	Fed: END CA: END
Least Bell's vireo	Vireo bellii pusillus	Fed: END CA: END
Yellow breasted chat	Icteria virens	Fed: none CA: SSC
Loggerhead shrike	Lanius Iudovicianus	Fed: none CA: SSC
Bats		
Western mastiff bat	Eumops perotis californicus	Fed: none CA: SSC
Western yellow bat	Lasiurus xanthinus	Fed: none CA: SSC
Pallid bat	Antrozous pallidus	Fed: none CA: SSC

^{*} END – endangered; SSC – Species of Special Concern

Survey Techniques

Plants

Survey techniques for slender-horned spineflower (*Dodecahema leptoceras*) will include pedestrian transect surveys spaced approximately 30 feet apart within areas of suitable habitat in the project impact areas and 100-foot buffer. Survey techniques will be consistent with the accepted methodologies outlined by the United States Fish and Wildlife Service (USFWS 1996)¹, CDFW (CDFW 2018)², and the California Native Plant Society (CNPS 2001)³, but the timeframe will be altered to adhere to the project schedule and conditions of Project permits.

Reptiles and Amphibians

Survey techniques for the three protected reptile species (two-striped garter snake [*Thamnophis hammondii*], western pond turtle [*Actinemys marmorata*], and coast patch-nosed snake [*Salvadora hexalepis*]), and one protected amphibian species (coast range newt [*Taricha tarosa tarosa*]) will include visual encounter surveys to be conducted within the proposed work areas and a 500-foot buffer.

¹ United States Fish and Wildlife Service (USFWS). 1996. Guidelines for Conducting and Reporting Botanical Inventories for Federally Listed, Proposed, and Candidate Plants. Available at http://www.fws.gov/sacramento/es/Survey-Protocols-Guidelines/Documents/Listed_plant_survey_guidelines.pdf

² California Department of Fish and Wildlife (CDFW). 2018. Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities. State of California, California Natural Resources Agency Department of Fish and Wildlife. March 20, 2018.

³ California Native Plant Society (CNPS). 2001. CNPS Botanical Survey Guidelines. California Native Plant Society, Sacramento, CA. December 9, 1983. Revised June 2, 2001. Available at http://www.cnps.org/cnps/rareplants/pdf/cnps_survey_guidelines.pdf.

In accordance with Mitigation Measure (MM) BIO-3 for the Project (Chambers Group 2014⁴) and SAA 2.10, qualified biologists will conduct a survey for sensitive wildlife within 90 days prior to the commencement of ground disturbing activities. In general, visual encounter techniques for protected herpetofauna will follow accepted methodologies for western pond turtle by Holland (1991, 1994)^{5,6} and the United States Geological Society (2006)⁷. Two surveys will be conducted by CDFW-approved designated biologists familiar with the identification, life history, and behaviors of each species. Each survey will be conducted on a separate day and will be conducted when weather conditions are favorable. The habitat requirements for each species, as described on CaliforniaHerps.com⁸ and Stebbins (2003)⁹ will be reviewed prior to conducting surveys.

Surveys will focus on searching all potential habitats using binoculars and/or spotting scopes, as well as looking under various natural or artificial cover objects. Biologists will scan areas ahead of them, searching from a distance, before proceeding in a slow and quiet manner. When turning cover objects, biologists will carefully return each cover object to its original location in an attempt to keep potential impacts to a minimum. All open water habitats, including potential basking or haul-out sites, will be searched. Survey transects performed during the survey will be captured with the tracking on a handheld global positioning system (GPS) unit. Documentation of the transects completed will be provided as an appendix to the preconstruction survey report.

To help prevent the spread of disease, fungus, and invasive species, all field equipment will be free of weeds and when entering aquatic habitats will go through the CDFW Aquatic Invasive Species Disinfection/Decontamination Protocols. Areas of suitable habitat and capture and transport techniques for each Protected Species shall be identified prior to conducting the survey to allow any Protected herpetofauna observed during the surveys to be captured and relocated effectively.

Birds

Survey techniques for the six protected bird species (burrowing owl [Athene cunicularia], yellow warbler [Dendroica petechia], southwestern willow flycatcher [Empidonax traillii extimus], least Bell's vireo [Vireo bellii pusillus], yellow breasted chat [Icteria virens], and loggerhead shrike

⁴ Chambers Group, Inc. 2014. Devil's Gate Reservoir Sediment Removal and Management Project Final Environmental Impact Report (FEIR), Los Angeles County, California. Submitted to Los Angeles County Flood Control District, Water Resources Division, October 2014.

⁵ Holland, D. C. 1991. A synopsis of the ecology and status of the western pond turtle (*Clemmys marmorata*) in 1991. Prepared for the U.S. Fish and Wildlife Service, National Ecology Research Center, San Simeon, CA.

⁶ Holland, D. C. 1994. The western pond turtle: Habitat and history. Prepared for: U.S. Dept. of Energy, Bonneville Power Administration. Portland, OR. 303 pp.

⁷ United States Geological Survey. 2006. DRAFT Western Pond Turtle Visual Survey Protocol for the Southcoast Ecoregion. Western Ecological Research Center, US Department of Interior, Sacramento, CA. 60 pp.

⁸ <u>CaliforniaHerps.com</u>: A Guide to the Amphibians and Reptiles of California. [web application] Accessed: September 27, 2018.

⁹ Stebbins, R. C. 2003. A field Guide to Western Reptiles and Amphibians. 3rd Edition. Boston: Houghton Mifflin Co. 533 pp.

[Lanius ludovicianus]) will include visual and auditory encounter surveys to be conducted within the proposed work areas and a 500-foot buffer.

Surveys for protected birds will begin at dawn and will continue until weather conditions become unfavorable for bird activity or until the bird activity level ceases. Surveys will focus on all potential habitats using binoculars and/or spotting scopes as necessary. Biologists will walk through the entire Project site and scan areas ahead of them, searching and listening from a distance, before proceeding in a slow and quiet manner. All birds observed both visually and audibly will be recorded and GPS points will be taken at all protected bird species observation locations. The surveys will be conducted by CDFW-approved designated biologists with experience surveying for sensitive riparian and upland bird species.

In addition to the surveys for protected bird species, three preconstruction surveys for least Bell's vireo will be conducted within seven days prior to Project initiation. These preconstruction surveys will be consistent with the methodologies in the least Bell's vireo survey protocol (USFWS 2001¹⁰) but the timeframe will be altered to adhere to the project schedule and conditions of Project permits (e.g. the three surveys will be conducted outside of the breeding season). The surveys will be conducted by a CDFW-approved designated biologist familiar with the identification, vocalizations, and behaviors of the species to determine the presence/absence of the species. Each survey will be conducted on a separate day and will be conducted between dawn and 11:00 a.m. when weather conditions are favorable.

Bats

Survey techniques for the three protected bat species (western mastiff bat [Eumops perotis californicus], western yellow bat [Lasiurus xanthinus], and pallid bat [Antrozous pallidus]) will include a daytime habitat and roost assessment and nighttime acoustic and emergence surveys to be conducted within the proposed work areas and a 300-foot buffer.

In accordance with MM BIO-5 and Condition 2.14 of the SAA, preconstruction bat surveys will be performed within 30 days prior to the commencement of vegetation or structure removal activities to avoid the direct loss of bats that could result from removal of trees and/or structures that may provide day or night roost habitat. CDFW-approved designated biologists will survey the project site, 300-foot buffer, and all trees and manmade structures (i.e. bridges, utility poles, kiosks, etc.) proposed to be directly impacted or removed to identify potential roost sites.

The initial bat survey will be performed in two parts, daytime surveys to identify potential roost sites within the impact area and evening surveys to perform emergence counts and acoustical monitoring of the potential roost sites. The diurnal portion of the survey will be done by a thorough visual inspection of the trees and structures within the impact areas to look for larger openings, cavities, crevices, loose bark, and other features that may provide roosting habitat.

⁹ US Fish and Wildlife Service. 2001. Least Bell's Vireo Survey Guidelines. Carlsbad Fish and Wildlife Office, CA. 3 pp.

The biologists will document any bat individuals or roosting colonies that are observed during the survey. Locations of potential roost trees will be recorded using a GPS unit in the field and discretely marked for biologists to revisit during the evening survey portion. Survey transects performed during the survey will be captured with the tracking on a handheld GPS unit. Documentation of the transects completed will be provided as an appendix to the bat survey report.

During the following evenings biologists will observe the potential roost trees using night-vision equipment to determine if the emergence of bats from the tree(s) occurs. Echometer Touch 2 PRO detectors will be used next to the trees during emergence to determine the species emerging, where possible. ECORP biologists will also collect acoustic data using passive AnabatTM detectors at various spots throughout the survey areas. Although these data will be imprecise as to the origin of detected bat species, the information will be useful as a tool to identify bat species that are foraging and may be roosting in the project site.

A second survey will be performed no later than seven days prior to construction activities. Designated biologists will conduct an exit survey with night vision equipment for any previously identified day-roosts (if applicable). Any occupied day roosts will be recorded and CDFW will be notified immediately to determine the next course of action and appropriate avoidance and minimization measures.

The surveys for protected bat species will be conducted separately from the other protected species surveys and a separate bat survey report will be generated and transmitted to CDFW prior to Project initiation.

General Survey Provisions

All surveys for protected wildlife will be conducted under favorable weather conditions. Surveys will not be conducted during extreme temperatures, sustained high winds, or heavy rain. All surveys for protected wildlife will be led by designated biologists that have been pre-approved by CDFW to survey for the appropriate species groups. Prior to conducting surveys, areas of suitable habitat and capture and transport techniques for each protected species shall be identified so capture and relocation can occur to keep protected species out of harm's way.

Biologists will record an inventory of searched habitats along with any species observed. All species detected during the surveys will be recorded on standardized field sheets, and when possible, photographs will be taken. Weather conditions at the start and end of the surveys will be recorded. Any protected species detected will be mapped on an aerial photo and the location will be recorded with a handheld GPS unit. The number of individuals, sex, age/size class, and any distinguishing features will be recorded for each sighting. All observations of protected species will be submitted to the CDFW's California Natural Diversity Database (CNDDB). Survey transects performed during the surveys will be captured using handheld GPS units track logging to ensure 100 percent coverage of the work areas and associated buffers.

Documentation of the transects completed will be provided as an appendix to the preconstruction survey report(s).

ECORP will prepare a report that presents the findings of the protected species surveys to be transmitted to CDFW prior to project initiation. The report will include methods used to conduct the surveys, a description of the existing biological conditions, and an analysis of any protected species that were found to or have the potential to occur within the project site. The report will also contain copies of field notes, survey maps, representative photographs of the site, and CNDDB forms for any protected special detected during the surveys.

If you have any questions regarding the contents of this letter report, please contact me at (714) 648-0630 or <a href="mailto:linescont/linescont

DATE: October 16, 2018

SIGNED:

Lauren Simpson Staff Biologist

ECORP Consulting, Inc.

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Santa Ana, CA 92701

ATTACHMENT B

Representative Site Photos



Photo 1. View of initial sediment removal area, facing north



Photo 2. View of central portion of initial sediment removal area, facing south



Photo 3. View from the base of the northside of the dam, facing northwest



Photo 4. California striped racer shed skin found on project site.



Photo 5. View of native California buckwheat scrub, facing northwest



Photo 6. View of Riversidean alluvial fan scrub, facing northeast



Photo 7. View of dense black willow thickets, facing east



Photo 8. Side-blotched lizard observed on the project site

ATTACHMENT C

Field Datasheets



Surveyor Names: Carrey Cancaster & Lauren Simpson
Surveyor Names: Carrey Cancaster ? Canren Simpson
Location(s): Devil's Grate Project Agent Buffer
Targeted Species: Stender-homed Spineflower (Doderahema
(eptoceras)

SURVEY CONDITIONS				
	Time	Temp (F)	Wind (mph)	% Cloud Cover
START	0720	59	0-1	Ø
END	1100	41	8-1	20%

	SUITABLE HABITAT/SPECIES OBSERVATIONS?
TARGET SPECIES	NOTES (coordinates, photo numbers, # individuals, sex, age/size class behaviors)
None observed	- Habitat was present in the RATSS & CSS Portions of the project area & buffer. DODLET was not observed during the Survey
	~



Date: 11/1/18

				/ / / / /
(e.g.,	site description, existing	DDITIONAL NOTES: disturbances, other se	ensitive species identified	d?)
Plant speci FRAUHD MELAUB PLAPAC PUMCIPI QUEAGIR SALGOO BACSAL AMBIPSI EPITAS ARTCAL SALMEL HETCIPA BRANIG POPFRE APTORA DATWRI EROCIC	EPICAN MARVUL ARTDOU AR	LEPSON SALLAS STEVIR XANSTR EUCGLO EUCCAM OPULIT SALCOL RHACAL SALLAE HIRINC ARLUDON ACMELA RHASAT TOXDIN OPUENE AMARUS	PINFON HETARB PPUILI ENCEAR BACPIL SALAPI FICCAR CALDEC RUBURS CUSCAL ALNRHO BOUGANVILLA AJLACT PSUBEN CERBET CACSER CHUDAL	PLIBAUR TRITER ADEFAS SYAPON

		INCIDENTAL SPECIES OBSERVED (include sign: tracks, carcass, feathers, scat, etc.)	
ACWO WCSP CALT SOSP CASJ YRWA BENR BLPH ANHU RCKI	HOFI ELIST RTHA LEGO RSHA SAPH SPTO NOFL BUSH WEBL CAGL	CA ground squirrel dosert cottontail w.fence literd Common side-blotch literd bobat	



Surveyor Names: Brian Zitt; Taylor Dee	Date: _	02NOV2018
Location(s): Eastern portion of project area including 500' buffer		
Targeted Species: Western pond turtle, coast range next, two-stoped zo	rter snak	e, coast patch noved
Snake		

	SURVEY CONDITIONS					
	Time	Temp (F)	Wind (mph)	% Cloud Cover		
START	1042	88	1-4	0		
END	1354	90	0-1	0		

	SUITABLE HABITAT/SPECIES OBSERVATIONS?
TARGET SPECIES	NOTES (coordinates, photo numbers, # individuals, sex, age/size class behaviors)
Western pond turtle	NOT OBSERVED Open water habital observed along a drainage feature (runoff) adjacent dirt road to south, Pool approximately 10×30' with depths of 2', track littered the brakes of Floating surface. No basking habitat. Upland aestivation habitat present.
Coast range new+	NOT OBSERVED Habitats present although at reduced function due to disturbances
hio-striped gastersnake	NOT OBSERVED Habitat prevent
Coast patch-nosed snake	NOT OBSERVED - Suitable habitat exist mostly in surrounding buffer



Date: 02NOV 2018

ADDITIONAL NOTES:

(e.g., site description, existing disturbances, other sensitive species identified?)

Bosins (man-made) located to the eastern side of survey area are dry. Culvert/drainger feature contained moist soils/grasses. Basins were recently moved/maintained.

Several CA ground sovered burrows, large boulders mostly near flood gates between basins could provide shelter. Obs. backhoe operator transitioning along dirt road by basins. Equestrians, hikers, and tracks of bikes (motorized or mechanical) observed in wesh. All natural cover objects were inspected, most were brittle and dry. No animals were discovered under cover. Along the enstern slope its steep with oaks and chapparal, as you approach the dam there's a dense willow community with several drainage/erosion features. Undercotts, root masses, heavy canopy are all present within these drainage features. Along the dirt road on the southerst portion a culvert runoff fed a small pool (~10'x30'). The pool was littered of transh. No species were observed. This was the only standing water observed during the survey.

INCIDENTAL SPECIES OBSERVED

(include sign: tracks, carcass, feathers, scat, etc.)

100's of side blotched lizards (jw i adult); w. fence lizards, orange-threated whiptail, coertal whiptail described to the stail about cottonfail, CA grand squired, HUVI, BLDH, NDMO, CAKI, ACWO, CALT, LEGO (34.19440487,-118.172 42617)
NOFL, CATH, YRWA, WSJA, WCSP, MODO, HOFI, NUWO, WEME, COYE, BASH, SPTO, SOSP, TUVA, RTHA, AMCR



Surveyor Names: Adam Schroeder, Taylor Dec	Date: 11/12/2018
Location(s): Western and of project area including	500 FE BUFFER
Targeted Species: Western Pond Turtle, Coast Range New	st. Two-striped Garter
Snoke Coast patch-nosed snake	

	SURVEY CONDITIONS					
	Time Temp (F) Wind (mph) % Cloud Cover					
START	0800	61	0-2	0		
END	1330	77	0 - 2	0		

	SUITABLE HABITAT/SPECIES OBSERVATIONS?
TARGET SPECIES	NOTES (coordinates, photo numbers, # individuals, sex, age/size class behaviors)
Western Pond	- Not observed
Turtle	- No ponds or running water observed. Upland Acet votion habited present, but lack of water indicates species
Coast Range News	- Not observed - Not observed - No pends or running water observed. Upland habited present, but lack of waster indicates species not likely to be present.
Two striped	- Not observed
garter snake	- No ponds or running water observed. Upland habitat present, but lack of wester indicates species not likely to be present.
Coast patch -	- Not observed - Marginal habitat on site and there is potential for this species to occur.



Date: 11/12/2018

ADDITIONAL NOTES:

(e.g., site description, existing disturbances, other sensitive species identified?)

No sensitive species observed during the survey, terp Species observed included western tence lizard and side blotched Licard. Numbers of side blotched and fence lizards were low across the site based on what would be expected. Surveyed internal and external trails on west end of the site, surveyed the site, and retention basins on east end of the site. Surveyed through oak woodland, riparran woodland/scrub, and alluvial fan. Disturbances included unauthorized trail creation, various shelters/structures built w/ dead wood, equestion use, trash.

Additional herp species sign irreluded a shed snak skin, believed to be from a california striped racer found in the wash, and a partial careass of a western toad found in one of the retention basins.

INCIDENTAL SPECIES OBSERVED

(include sign: tracks, carcass, feathers, scat, etc.)

CA Striped Facer (Shed), Bobcard (tracks), Coyole (Sent, vocalizations), Woodrat (midden), Desert cottontail, RSHA, NOFL, NUWD, ROPT CALT, CSTA, CORA, BEWA, WHEN, EUST, WEME, ACWO, SPTO, HOFI, BUSH, AMER, ANHU, SOSP, LEGO, CAKI, WCSP, BLPH, COHA, YRWA, CA grand Squirrel, Side blotched lizard, Western Fence lizard, Western toad (careass),



Surveyor Names: Lauren Simpson, Cartey Lancaster

Location(s): Devil's Gate Referent + 500ft buffer

Targeted Species: Protected Birds: Burnowing owl, yellow Warbler, Southwestern willow Flycatcher, Leat Bells Virco, Yellow-breasted Chat, Loggerhead Shrike

SURVEY CONDITIONS				
	Time	Temp (F)	Wind (mph)	% Cloud Cover
START	0720	59	0-1	0
END	1400	83	0-1	65

	SUITABLE HABITAT/SPECIES OBSERVATIONS?
TARGET SPECIES	NOTES (coordinates, photo numbers, # individuals, sex, age/size class behaviors)
Burrowing	- Not observed - Potential habitat observed in basins with high ground squire! activity along SE portion of site. No sign observed.
Yellow worbler	- Not observed - Riparian woodlands on-site provide habitat but species is only expected in the region during breeding season/migration
. 0	- Not observed - Marginal habitat in riparian woodlands. Specifi not expected in-the region outside the breeding season.
Least Bellis Vireo	- Not observed Narginal habitat in ripanan woodlands scrub. species not expected in the region outside the breeding season
Yellow-breated Chart	- not observed - Riparian woodlands on site provide habitut but species is only expected in the region during the breeding season
Loggerhead Shrike	- Net observed - Woodland alluvial scrub habitats on-site may provide habitat



Date: 3018-11-01

ADDITIONAL NOTES:

(e.g., site description, existing disturbances, other sensitive species identified?)

No sensitive species observed.

- Surveyed-through alluvial fan, oak woodland, and riparian woodland scrub. Walked all external and internal trails.

- Disturbances on site include extensive hon-native species & equestrian used unauthorized trail creation.

INCIDENTAL SPECIES OBSERVED

(include sign: tracks, carcass, feathers, scat, etc.) parot sp. American Crow Coopers Hawk Mourningdove whiplail lizard Song sparrow Yellow-rumped worker Bewicks wen White-crowned sparrow Lewer goldfinen Europeanstarling Hutton Viveo Annas hummingbird pock pigeon Hermit-thrush Acorn woodpecker Rod-shouldered Howk Say's phoebe fed tailed hawk Northern Flicker California Quail Cassin's kinglaird Cottantail California ground Squinct Puly-crowned kinglet House finch Oaktimave Blackphoebe western-fencelizard a CALADORNIA SCRUBJAY Wrentit California Towner Bobcat Northern mockingbird Burtit Coyote (scat Nuttall woodpecker spotted towhere



Date: 2018-11-06 Surveyor Names: <u>Lauren Simpson</u>, Taylor Dee Location(s): Project Impact Area (sediment removal + access roads) + 800 ft buster
Targeted Species: Roosting Bats (sp PallidBat, western wastiff but, western yellow book)

		SURVEY	CONDITIONS	=
	Time	Temp (F)	Wind (mph)	% Cloud Cover
START	1100	72	0-2	0
END	1500	73	1-4	0

		SUITABLE HABITAT/SPECIES OBSERVATIONS?	
	TARGET SPECIES	NOTES (coordinates, photo numbers, # individuals, sex, age/size class behaviors)	
	-No Targeted	- I fan palm observed (potential yellow but habitat) within impact or	en.
	speares observe	d-no chiff-faces / boulder crevastres on site	
	Root Bridge 1	comes oak brove drive over Arroyo Seco. Abutments accessible from south side of bridge. Concentrated guano pives present but no ap	parent
34.185875.	9-118.17776581	day noosting features in bridge No bats/chatter observed. Likely night	frost locatu
	Root-Roder 2	carriel 1-218 over arroyo seco. Can only access northern abutment. scattered guaro present of features for day-rooting available (crevise in soint) but no bots Chatter observed.	
34.13609817	1-118.17870589	Derect Jones 100 most Chattel, OBParcy.	

ADDITIONAL NOTES:

(e.g., site description, existing disturbances, other sensitive species identified?)

-Both Bridges observed are potential night roosts, 1-210 bridge has day-roost features but no bats were observed. Both bridges are outside of the project impact area and would experience no direct impacts from the project. Both are above amoyo seco. -will check bridges for night roost we during hightime survey.

* See attached tree roots survey datasheet for tree root

INCIDENTAL SPECIES OBSERVED (include sign: tracks, carcass, feathers, scat, etc.) Bushtit Coopers Hawk OakTitmoute Acom woodpecker cassin's lengthird American Keltrel House Fireh Black phoebe white crowned sparrow Mourning Dove Guranian Collared-Dace western fence lizard fed shouldered hawk Lesser goldfinell Turkey vulture Commonraven Parotsp. European Starling Amas hummingbird califorma Scrub jay Bewick when U Yellow nump cotharbler California Tawhee! Ruby Crowned Kinglet Nuttall's woodpecker california Ground Squire Northern Flider Robcat

ROOST TREE ASSESSMENT DATASHEET

Project: Davil's Gate Date: 11/6/18 Personnel: Lauren Simpson, Taylor Dee

3018-047.006	- 17 67 16	
Tree	<u>Notes</u>	Ranking
ID/Coordinates		
001/34:18625132	Salix sp., 40 ft tall, coulties present, expoliating bark, large	Ú
-118.17724606	snag both 20+inches no evident bot sign present good sun exposure but branches may prevent use	2
002/34·18515417 -118·17291766	fan palm op., 25 ft tall, DBH 204 inches, untrimmed palm	2
003/34-18519556	coast, live ask sing, 15ff tall, cavities and expoliating bank present, medium sing, DBH 20t inches, tag #53	7
-118-17338412	_	2
004) 34.18596377 116.17647102	unknown go., strag, 20ft tall, expolicating bark present DBH < 20 inches	2
(05) 34.16725916 -118.17314146	The of \$ 15 encolyptus trees with expolipating bank. DBH 20+ inches for most. 30-50 ft tall.	3 Inch all E
006 34-18854911 -18-17238102	large enalyptus snag with expolicating bark, minor enevicing, 40 ft tall. DBH 30+ inches, organizer encolyptus of similar size is a class 3.	
007) 34.19212854 -118-17057702	2 large audyptus snogs with expolicating bank, chevices, within 30ff of each other, good expossure, 30-40 fair	
008 34.19204338 -118-17114975	Balix SP, 40ff tall, DBH 20t ft. crevice & expolicating book present.	2
34. 19409389 -118.17056704	Salix ep. medium snag. 20 ft tall, DBH 20+ inches crevices and expoliciting bourk present, good exposure	9
010] 34.19830689 -118.17014837	Galix sp. medium snag: 20 ft tall, DBH200* inches orevices and expolating bark present. fair exposure	7
) 		
· \		<u>L. </u>



Surveyor Names: <u>Lawren Simpson</u> & Taylor Dee

Date: 2018-11-06

Targeted Species: Loothy bats (Sp. Pallid Bat, western most H bat, western yellow bat

		NIGH	TTIME SURVEY	CONDITIONS		
	Time	Temp (F)	Wind (mph)	% Cloud Cover	Moon Phase	
START	CO CO CO CO CO	70	1-3	0	COLARO 1º/	6 waning
END	1840	62	0-1	0		prescent.

Sunset Time: 1655 Type of Equipment Used: Anabat Express (2) Echameter Town 2 Pro (2) Nightvishor (1)

	SUITABLE HABITAT/SPECIES OBSERVATIONS?
OBSERVER	NOTES (time of first bat observation, level of bat activity, approximate number of
LOCATION	bats observed and where, etc.)
A+ Tree ID	- No both observed a merging from palm tree. - 1st bot observed at 1644 approaching from SE direction and flying
602	Heard 2nd batat 1733.
untrimmed Fan	-General Bat activity low
Palm	-Artificial Street-lighting at tree high.
At Tree ID 001	- No bats observed emerging from target tree. - 1st bat observed at 1722 - Puping W to E coming from believed
Large Sally Snay	observer.
'	2 bats recorded acoustically near tree.
	- General activity Low.

Anabat 1 placed at 34.18623337, -118.17738264

Anabat 2 placed at 34.18521821, -118.17329594

After initial emergence period observers could no longer see out-Aights observers checked 2 bridges for north-routing lats. Asingle night routing Myotis sp. was observed beneath the oak groundrive bridge. No bats were observed beneath the 1-210 bridge.

- overall insect activity denerally sow - Myotis heard later in night - Artificial lighting high in study onea. - Myotis heard later in night

	INCIDENTAL SPECIES OBSERVED (include sign: tracks, carcass, feathers, scat, etc.)
MISW,	CALT, Parrot Sp., Bust, GHOW



Surveyor Names:	Lauren	Simpson	\$ Taylor I	Dee	Date:	2018-11-	-0 +

Location(s): Project Impact Area (Sediment Pernova) + Access Road) + 300 ft buffer

Targeted Species: Posting Bats (Pallid Bat, W. Yellow bat, W. Mattiff Bat)

		SURVEY	CONDITIONS	
	Time	Temp (F)	Wind (mph)	% Cloud Cover
START	1200	70	0-1	0
END	1530	68	2-6	0

	SUITABLE HABITAT/SPECIES OBSERVATIONS?		
TARGET SPECIES	OTES (coordinates, photo numbers, # individuals, sex, age/size class behaviors)		
No Target Spected obse	rvid continued to survey within survey onea		
,	for root trees and root structures.		
	bat sign roosts observed.		

ADDITIONAL NOTES:

(e.g., site description, existing disturbances, other sensitive species identified?)

- Most large/medium trees on the project site would be considered Type 3 trees and/orwould provide rootting habitat for follage rootting species (Hoary bat)

* See attached tree roost datasheet for info on potential roost-trees *

INCIDENTAL SPECIES OBSERVED (include sign: tracks, carcass, feathers, scat, etc.) Cassin's Kilyabird Yellow rumped warbler Spotted Towner Acom woodpecker California Tauher White-crowned sparrow Panotsp. Red-shouldered hawk Northan Flicker worn spa mow CA Ground Squing Bewicks when Lesser goldfinch Side-blotered lizard Annas hummingbird European Starling California ScribJay Blue-gray greatestever House Finch Nuttall's woodpelker wrentit Bushtit Common raven Cottontai

ROOST TREE ASSESSMENT DATASHEET

Personnel: Lauren Simpson, Taylor Dee Project: Devi \15 <u>Date:</u> Coate Tree **Notes** Ranking **ID/Coordinates** 2 medium salix so, snags asft tall. DBH L DOTTCHES crevices and expolipating bark, good exposure and minimal obstructions, some size is features 2 medium salix sp. snags. 1 is 15ft tall and other is 8ft. both have expolipating bark 34.19410789 J -118.17239556 34. 1965/693 and crevices, good exposure + no obstructions
I redium Salix op. snag. 15ft tall. Distl < 20 inches
no evident crevices but expolating bank present. 34.19226203 good exposure I medium salix sp. snag. 15ft tall. DBH & 20 inches explicating bank and crevices, good exposure and minimal to no obstructions 014 34.19074865 -118-17360089 I redum-large salix of oreg. 25ft tall. DBH & 20 inches 015 good crevicing, expoliating ybank, good exposure and arop down space, minor dostructions 2



Surveyor Names: Lauren Simpson + Taylor Dee

Date: 🎉 2018-11-07-

Targeted Species: Poorting Bats (sp. Pallid bat, w. mastiff bat, w. yellow bat)

		NIGH	TTIME SURVEY	CONDITIONS		
	Time	Temp (F)	Wind (mph)	% Cloud Cover	Moon Phase	
START	1630	65	1-4	0	Esservation news m	MON
END	1815	60	1-4	0	Cocalent	

Sunset Time: 1654 Type of Equipment Used: Avallat Express (2), Gehometer Touch 2 pro (2), Night Vision (1)

	SUITABLE HABITAT/SPECIES OBSERVATIONS?
OBSERVER	NOTES (time of first bat observation, level of bat activity, approximate number of
LOCATION	bats observed and where, etc.)
Tree ID 012 Salix Snags	- Nobats observed emerging from target trees - 1st bat heard at 1735 - 2 additional bats detected (1739+1747) - General bat activity very low
Tre 1D 014+015 Salix mays	-No bats observed emerging from target trees -Ist bat observed Neard at 1658 emerged from tall Eukanyptus tree-forest west of observerand-frew east (LACI) - approximately 4 to 5 additional bats observed foraging overhead within 15-20 mins after sunset

ADDITIONAL NOTES:

- Insect activity generally low.

- Artificial light level in the reservoir is extremely high due
to adjacent lighting of JPL parking lot and Htgh school
treld. Although no moon observers would see very well
without we of flushlights. Anabat 2 at: 34.196122647, -118.17363766964

- Myotis heard later in night Anabat 2 at: 84.1966201374, -118.17363766964

(1)	INCIDENTAL SPECIES OBSERVED include sign: tracks, carcass, feathers, scat, etc.)
California Towner	
Great Horned Owl	(Heard)
Cottontal	
Bushti+	
Spo Had Towhee	
Coyote	



Surveyor Names: Lawren Simpson + Torrey Rotellihi Date: 2018-11-08
Targeted Species: Roothy Bats (Sp. Pallichat, W. Yellow hat, W. martiff Bat

		NIGH	TTIME SURVEY	CONDITIONS	
	Time	Temp (F)	Wind (mph)	% Cloud Cover	Moon Phase
START	B 1025	69	0-3	0	1% waying
END	1824	68	4-10	0	crescent

Sunset Time: 1653 Type of Equipment Used: Anabat Express (2), Echometer Touch 2 Pro(2), Night Villian W

	SUITABLE HABITAT/SPECIES OBSERVATIONS?
OBSERVER	NOTES (time of first bat observation, level of bat activity, approximate number of
LOCATION	hats observed and where letc)
Tree ID 006 Large Eukalyphy Snag	
Tree ID 007 Two Large Eukayphy Eukayphy	-No bots observed emerging from targeted trees -Ist bat heard/observed flying west to East at 1635 -Appx 3 additional individuals detected acoustically - N 1730 one great-horned owl landed on branch of ore target tree

ADDITIONAL NOTES: - Hoons buts emerged very early (~ 30 mins before sunset) appear to be roosting in Eukalyptus trees. - Artificial lighting is high and great thorned owls have been present on each survey night. But predation risk in the reservoir is likely high. Anabat 1: 34.1883640341, -118.1741814875

Anabat 2: 34.19230410367, 418.172305030808

	INCIDENTAL SPECIES OBSERVED	
	(include sign: tracks, carcass, feathers, scat, etc.)	
Bushtit	& Coyote (Neard)	
American Kestrel	Red-snouldered hawk	
Cooper's Hawk	Great-horned owl	
Acom woodpecker	Common poorwill.	
Aeon woodpecker Yellow-rumped we	orbler	
1000		

ATTACHMENT D

Plant Compendium

PLANT SPECIES OBSERVED

Scientific Name	Common Name
VASCUL	AR PLANTS
ANGIOSPERMS	(DICOTYLEDONS)
Adoxaceae	Elderberry Family
Sambucus nigra ssp. cerulea (= S. mexicana)	blue elderberry
Agavaceae	Century Plant Family
Hesperoyucca whipplei	chaparral yucca
Amaranthaceae	Amaranth Family
Amaranthus albus*	tumbleweed
Anacardiaceae	Sumac or Cashew Family
Malosma laurina	laurel sumac
Schinus mole*	Peruvian pepper tree
Toxicodendron diversilobum	poison oak
Apiaceae	Carrot Family
Conium maculatum*	poison hemlock
Arecaceae	Palm Family
Syagrus romanzoffiana*	queen palm
Asteraceaea	Sunflower Family
Ambrosia psilostachya	western ragweed
Artemisia californica	California sagebrush
Artemisia dracunculus	tarragon
Artemisia douglasiana	California mugwort
Baccharis pilularis	coyote brush
Baccharis salicifolia	mulefat
Centaurea melitensis*	tocalote
Encelia farinosa	brittlebush
Erigeron canadensis	horseweed
Heterotheca grandiflora	telegraph weed
Lactuca serriola*	prickly lettuce
Lepidospartum squamatum	scale broom
Pseudognaphalium beneolens	cudweed
Stephanomeria virgata	twiggy wreath plant
Xanthium strumarium	cockleburr
Betulaceae	Birch Family
Alnus rhombifolia	white alder
Boraginaceae	Borage Family
Heliotropium curassavicum	salt heliotrope
Brassicacaeae	Mustard Family
Brassica nigra*	black mustard
<u>Hirschfeldia incana*</u>	short-pod mustard
Lepidium latifolium*	perennial pepperweed
Raphanus sativus*	wild radish
Cactaceae	Cactus Family
Opuntia engelmannii var. engelmannii	Engelmann prickly pear
Opuntia littoralis	coast prickly pear

Convolvulaceae	Morning-Glory Family
Cuscuta californica	dodder
Cupressaceae	Cypress Family
Calocedrus decurrens	incense cedar
Euphorbiaceae	Spurge Family
Ricinus communis*	castor bean
Fabaceae	Legume Family
Acmispon glaber (= Lotus scoparius)	deerweed
Melilotus albus	white sweetclover
Fagaceae	Oak Family
Quercus agrifolia	coast live oak
Geraniaceae	Geranium Family
Erodium cicutarium*	red-stemmed filaree
Grossulariaceae	Gooseberry Family
Ribes aureum	golden currant
Lamiaceae	Mint Family
Marrubium vulgare*	white horehound
Salvia apiana	white sage
Salvia columbariae	chia sage
Salvia mellifera	black sage
Moraceae	Mulberry Family
Ficus carica*	common fig
Myrtaceae	Myrtle Family
Eucalyptus camaldulensis*	red gum
Eucalyptus globulus*	blue gum
Nyctaginaceae	Four O'Clock Family
Bougainvillea spectabilis*	great bougainvillea
Oleaceae	Olive Family
Olea europaea*	olive
Fraxinus uhdei*	shamel ash
Pinaceae	Pine Family
Pinus ponderosa	Ponderosa pine
Plantanaceae	Sycamore Family
Platanus racemosa	western sycamore
Polygonaceae	Buckwheat Family
Eriogonum fasciculatum	California buckwheat
Rumex crispus*	curly dock
Rhamnaceae	Buckthorn Family
Frangula californica	California coffeeberry
Rosaceae	Rose Family
Adenostoma fasciculatum	chamise
Cercocarpus betuloides	mountain mahogany
Heteromeles arbutifolia	toyon
, , , , , , , , , , , , , , , , , , ,	1
Prunus ilicifolia	holly leaf cherry

Salicaceae	Willow Family
Populus fremontii	Fremont cottonwood
Salix gooddingii	black willow
Salix laevigata	red willow
Salix lasiolepis	Arroyo willow
Simaroubaceae	Simarouba Family
Ailanthus altissima*	tree of heaven
Solanaceae	Nightshade Family
Datura wrightii	jimson weed
Nicotiana glauca*	tree tobacco
Solanum nigrum*	black nightshade
Zygophyllaceae	Caltrop Family
Tribulus terrestris*	puncture vine
ANGIO	SPERMS (MONOCOTYLEDONS)
Poaceae	Grass Family
Arundo donax*	giant reed
Bromus madritensis*	red brome
Cynodon dactylon*	Bermuda grass

^{*}Nonnative species

^{**}CDFW California Species of Special Concern/CDFW Fully Protected Species/Watch List Species

^{***}Federally endangered or threatened/State endangered or threatened

ATTACHMENT E

Wildlife Compendium

WILDLIFE SPECIES OBSERVED

WILDLIFE SPECIES OBSERVED		
Scientific Name	Common Name	
	REPTILES	
Colubridae	Colubrid Snakes	
Coluber lateralis lateralis	California striped racer (shed skin)	
Phrynosomatidae	Spiny Lizards	
Sceloporus occidentalis	western fence lizard	
Uta stansburiana	common side-blotched lizard	
Teiidae	Whiptails	
Aspidoscelis tigris stejnegeri**	coastal whiptail	
Aspidoscelis hyperythra	orange-throated whiptail	
, , ,	AMPHIBIANS	
Bufonidae	True Toads	
Anaxyrus boreas	western toad (carcass)	
BIRDS		
Accipitridae	Hawks	
Accipiter cooperii*	Cooper's hawk	
Buteo jamaicensis	red-tailed hawk	
Buteo lineatus	red-shouldered hawk	
Aegithalidae	Bushtits	
Psaltriparus minimus	bushtit	
Thryomanes bewickii	Bewick's wren	
Apodidae	Swifts	
Aeronautes saxatalis	white-throated swift	
Caprimulgidae	Nightjars	
Phalaenoptilus nuttallii	common poorwill	
Cathartidae	Vultures	
Cathartes aura	turkey vulture	
Columbidae	Pigeons and Doves	
Columba livia	rock pigeon	
Streptopelia decaocto	Eurasian collared-dove	
Zenaida macroura	mourning dove	
Corvidae	Jays and Crows	
Aphelocoma californica	California scrub-jay	
Corvus corax	common raven	
Corvus brachyrhynchos	American crow	
Falconidae	Falcons and Caracaras	
Falco sparverius	American kestrel	
Fringillidae	Finches	
Spinus psaltria	lesser goldfinch	
Haemorhous mexicanus	house finch	
Icteridae	Blackbirds and Orioles	
Sturnella neglecta	western meadowlark	
Mimidae	Mockingbirds and Thrashers	
Mimus polyglottos	northern mockingbird	

Toxostoma redivivum	California thrasher
Odontophoridae	New World Quail
Callipepla californica	California quail
Paradoxornithidae	Wrentits
Chamaea fasciata	wrentit
Paridae	Titmice
Baeolophus inornatus	oak titmouse
Parulidae	New World Warblers
Geothlypis trichas	common yellowthroat
Setophaga coronata	yellow-rumped warbler
Passerellidae (previously Emberizidae)	Sparrows and Towhees
Melospiza melodia	song sparrow
Pipilo crissalis	California towhee
Pipilo maculatus	spotted towhee
Zonotrichia leucophrys	white-crowned sparrow
Picidae	Woodpeckers
Colaptes auratus	northern flicker
Dryobates nuttallii	Nuttall's woodpecker
Melanerpes formicivorus	acorn woodpecker
Psittacidae	Old World Parrots
Amazona sp.	parrot sp.
Regulidae	Kinglets
Regulus calendula	ruby-crowned kinglet
Strigidae	True Owls
Bubo virginianus	great horned owl
Sturnidae	Starlings
Sturnus vulgaris	European starling
Trochilidae	Hummingbirds
Calypte anna	Anna's hummingbird
Turdidae	Thrushes
Catharus guttatus	hermit thrush
Sialia mexicana	western bluebird
Tyrannidae	Tyrant Flycatchers
Sayornis nigricans	black phoebe
Sayornis saya	Say's phoebe
Tyrannus vociferans	Cassin's kingbird
Vireonidae	Vireos
Vireo huttoni	Hutton's vireo
M	AMMALS
Canidae	Dogs, Wolves, and Foxes
Canis latrans	coyote (scat and vocalizations)
Cricetidae	New World Rats and Mice
Neotoma sp.	woodrat sp. (midden)
Felidae	Cats
Lynx rufus	bobcat

Leporidae	Hares and Rabbits
Sylvilagus audubonii	desert cottontail
Sciuridae	Squirrels
Otospermophilus beecheyi	California ground squirrel

^{*}Nonnative species

^{**}CDFW California Species of Special Concern/CDFW Fully Protected Species/Watch List Species ***Federally endangered or threatened/State endangered or threatened