

**Devil's Gate Reservoir Restoration Project  
First Quarter Compliance Report  
Activities Occurring Between January 2020 and  
March 2020**

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## 1.0 INTRODUCTION

### 1.1 Purpose

This Quarterly Compliance Report was prepared to document the activities that occurred at the Devil's Gate Reservoir Restoration Project (Project) site located in the city of Pasadena, Los Angeles County, California during the first quarter of 2020 (January through March). This Quarterly Compliance Report satisfies Condition 6.7 in the Incidental Take Permit (ITP) No. 2081-2016-031-05 that was issued for the Project from the California Department of Fish and Wildlife (CDFW), dated July 16, 2018.

Condition 6.7 in the ITP states:

"The Designated Representative or Designated Biologist shall compile the observation and inspection records identified in Condition of Approval 6.6 into a Quarterly Compliance Report during time periods when Initial Sediment Removal and Habitat Restoration activities have occurred. Quarterly Compliance Reports and a copy of the MMRP table with notes showing the current implementation status of each mitigation measure shall be submitted to CDFW's Regional Representative and Headquarters CESA Program."

This is the sixth report (Quarterly Compliance Report Number 6) submitted in accordance with ITP Condition number 6.7. This report covers activities that were conducted at the Project site between January 1 and March 31, 2020.

## 2.0 COVERED ACTIVITIES

### 2.1 Breeding Season Surveys

Per Condition 7.3.4 of the ITP, if Covered Activities are proposed during the least Bell's vireo (*Vireo bellii pusillus*) breeding season (defined as March 1 to September 15) "the Designated Biologist(s) shall continue weekly focused surveys within 500 feet of Covered Activities in Covered Species habitat during the breeding season to determine the presence of Covered Species;"

Per Conservation Measure 11b of the USFWS Informal Section 7 Consultation, if sediment removal is conducted between March 15 and August 31 "twice weekly surveys for the vireo will be conducted by the biological monitor in areas of suitable habitat within 500 feet of proposed construction activities to determine the presence of vireo nest building activities, egg incubation activities, or brood rearing activities."

No sediment removal activities were conducted during the first quarter of 2020. As such, weekly breeding season focused least Bell's vireo surveys (per ITP Condition 7.3.4) were conducted beginning the first week of March 2020 prior to the start of preconstruction least Bell's vireo surveys (initiated March 16, 2020 to accommodate an anticipated Project start date of April 16, 2020). A total of two focused breeding season least Bell's vireo surveys were conducted between March 1 and March 15, 2020 by Designated Biologists approved by CDFW and USFWS. Beginning March 16, 2020, the preconstruction least Bell's vireo survey

schedule was initiated (see Section 2.2 below). Twice-weekly least Bell's vireo surveys will be initiated in the second quarter of 2020 after preconstruction least Bell's vireo surveys are completed, and sediment removal activities are initiated. Table 1 shows the weekly focused least Bell's vireo survey dates and the Designated Biologists that surveyed on each date.

<b>Date</b>	<b>Designated Biologist</b>
03/04/20	Lauren Simpson
03/12/20	Lauren Simpson

No least Bell's vireos were observed or detected during the focused breeding season surveys during the first quarter of 2020. The least Bell's vireo breeding season survey report for March 2020 is included in Appendix A.

## **2.2 Preconstruction Surveys**

Per Condition 7.3.2 of the ITP, "The Designated Biologist(s) shall begin surveys 30 days before Covered Activities begin (or after a substantial break in construction monitoring) and shall continue on a weekly basis with one (1) survey conducted no more than (3) days prior to initiation of Covered Activities."

Per Conservation Measure 11a of the USFWS Informal Section 7 Consultation "Surveys by the biological monitor will be conducted a minimum of three times on separate days to determine the presence of vireo nest building activities, egg incubation activities, or brood rearing activities within 300 feet of the project area. These surveys will be conducted within the week prior to the initiation of project activities. One survey will be conducted the day immediately prior to the initiation of project activities. If no nests, nesting behavior, or brood rearing activities are detected within 300 feet of the project area, work may commence."

Preconstruction surveys for least Bell's vireo started 30 days prior to the anticipated start of ground-disturbing construction activities to prepare the site for sediment removal, which was scheduled to occur on April 16, 2020. Surveys continued weekly, with two surveys occurring between March 16 and March 31, 2020. Table 2 shows the preconstruction least Bell's vireo survey dates during the first quarter 2020 reporting period and the Designated Biologists that surveyed on each date.

<b>Date</b>	<b>Designated Biologist</b>
03/16/20	Taylor Dee
03/25/20	Taylor Dee

No least Bell's vireos were observed or detected during the preconstruction surveys in the first quarter of 2020. The preconstruction least Bell's vireo surveys continued into the second quarter of 2020, and three surveys will occur during the week prior to the initiation of construction activities (with the final survey occurring 24 hours before). The preconstruction least Bell's vireo survey report will be prepared upon completion of the preconstruction least Bell's vireo survey schedule and will be included in the subsequent second quarter 2020 compliance report.

Preconstruction surveys for nesting birds were initiated on March 16, 2020 in accordance with the Nesting Bird Management Plan prepared for the Project. All conditions in the Nesting Bird Management Plan were adhered to during the first quarter of 2020 and active bird nests on the Project site were protected by no-work buffers enforced by Designated Biologists daily.

### 2.3 Biological Monitoring

Per Condition 6.6 in the ITP, "The Designated Biologist shall be on site daily when Covered Activities occur and when Covered Species are present, and weekly when Covered Species have potential to be present." Per Conservation Measure 10 of the USFWS Informal Section 7 Consultation "If construction occurs between September 1 to March 14 (outside of the vireo breeding and nesting season), a designated construction monitor will conduct twice weekly inspections of the project site."

No construction related activities (including site preparation for sediment removal or sediment removal activities) occurred during this reporting period. As such, no construction monitoring or inspections occurred during this reporting period.

Daily biological monitoring of restoration activities occurred whenever vegetation removal and/or plantings took place. Nesting bird season began towards the end of this reporting quarter and Designated Biologists began identifying active bird nests on the Project site and implementing appropriate no-work buffers around said nests. Table 3 shows Project working dates and the biological monitors that were present on each date.

<b>Table 3. Monitors Onsite During Work Days.</b>	
<b>Date</b>	<b>Restoration Monitors</b>
01/01/20	No Work- Holiday
01/02/20	NRMN
01/03/20	NRMN
01/06/20	NRMN
01/07/20	NRMN
01/08/20	NRMN
01/09/20	Taylor Dee
01/10/20	NRMN
01/13/20	NRMN
01/14/20	Carley Lancaster
01/15/20	Max Murray
01/16/20	Taylor Dee
01/17/20	Adam Schroeder
01/20/20	Carley Lancaster
01/21/20	Carley Lancaster
01/22/20	Adam Schroeder
01/23/20	Max Murray
01/24/20	Max Murray
01/27/20	Carley Lancaster
01/28/20	NRMN
01/29/20	NRMN
01/30/20	NRMN
01/31/20	NRMN
02/03/20	Carley Lancaster
02/04/20	Adam Schroeder

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02/05/20	Carley Lancaster
02/06/20	Brian Zitt
02/07/20	Max Murray
02/10/20	Kent Hughes
02/11/20	Kent Hughes
02/12/20	Kent Hughes
02/13/20	Carley Lancaster
02/14/20	Max Murray
02/17/20	No Work- Holiday
02/18/20	Adam Schroeder
02/19/20	Adam Schroeder
02/20/20	Max Murray
02/21/20	Max Murray
02/24/20	Max Murray
02/25/20	Kent Hughes
02/26/20	Kent Hughes
02/27/20	Kent Hughes
02/28/20	Kent Hughes
03/02/20	Max Murray
03/03/20	Kent Hughes
03/04/20	Kent Hughes
03/05/20	Kent Hughes
03/06/20	Kent Hughes
03/09/20	No Work - Weather
03/10/20	No Work - Weather
03/11/20	Kent Hughes
03/12/20	Kent Hughes
03/13/20	No Work - Weather
03/16/20	No Work - Weather
03/17/20	Kent Hughes
03/18/20	Kent Hughes
03/19/20	Kent Hughes
03/20/20	Temporary Suspension of Work – COVID-19
03/23/20	Temporary Suspension of Work – COVID-19
03/24/20	Max Murray
03/25/20	Kent Hughes
03/26/20	Kent Hughes
03/27/20	Kent Hughes
03/30/20	Kent Hughes
03/31/20	Kent Hughes

No construction monitoring occurred because no construction activities occurred during the first quarter 2020 reporting period.  
NRMN = No Restoration Monitor Needed. Days marked NRMN days outside of the nesting bird season when no vegetation removal was occurring (i.e. irrigation installation activities).

The Project and restoration activities conducted during this quarter are summarized in the sections below.

## 2.4 Project Activities

No construction related Project activities were conducted onsite during the first quarter 2020 reporting period.

## 2.5 Habitat Restoration Activities

The following habitat restoration activities were conducted onsite during this reporting period:

- Restoration activities continued from January 2, 2020 through March 31, 2020.

- Low-growing non-native plants (primarily perennial pepperweed [*Lepidium latifolium*], black mustard [*Brassica nigra*], common fig [*Ficus carica*], wild radish [*Raphanus sativus*], poison hemlock [*Conium maculatum*], riggut brome [*Bromus diandrus*], cheatgrass [*Bromus tectorum*], red stemmed filaree [*Erodium cicutarium*], tree tobacco [*Nicotiana glauca*], common barley [*Hordeum vulgare*], and wild oat [*Avena fatua*]) were removed from the DG-4 and DG-3A onsite restoration areas by hand pulling and using small hand tools, shovels, weed whips, hula hoes, and rakes. Small eucalyptus trees and regrowth of eucalyptus tree stumps were removed using chainsaws. Pulled plants were removed from restoration sites daily and placed into onsite dumpsters that were emptied regularly.
- A weed steamer machine (Weedtechnics SW900) was used in DG-4 to target nonnative plants including perennial pepperweed, poison hemlock, and black mustard in lieu of permission to apply herbicide. The weed steamer machine uses a hose with a nozzle or a hood to target only the nonnative species. The hot water vapor from the steamer machine shocks the target plant species causing dieback in the plant.
- Arroyo willow (*Salix lasiolepis*) and Goodding's black willow (*Salix gooddingii*) stakes and mulefat (*Baccharis salicifolia*) cuttings were collected in the upper Arroyo Seco north of the Project site as well as within the Project site restoration areas. Willow and mulefat stakes were installed in DG-4 using hand tools. Willow cuttings were harvested and installed according to the Final Habitat Restoration Plan for the Project and Permit PW-11-19.
- Irrigation systems were installed in DG-4 in preparation for the installation of willow stakes and mulefat cuttings.
- Container plants were installed in DG-3A, in accordance with the final Habitat Restoration Plan for the Project. Holes for container plants were hand-dug. Container plants installed included the following species: California mugwort (*Artemisia douglasiana*), coyote brush (*Baccharis pilularis*), Fremont's cottonwood (*Populus fremontii*), California wildrose (*Rosa californica*), California blackberry (*Rubus ursinus*), red willow (*Salix laevigata*), and blue elderberry (*Sambucus nigra* ssp. *caerulea*).

Habitat restoration monitoring logs for this quarter detailing daily activities are included in Appendix B.

### **3.0 SATISFACTION OF ITP CONDITIONS**

All provisions in the ITP were adhered to during Project activities conducted during this reporting period. No non-compliances were documented during this reported period. No direct or indirect take to listed species or Covered Species occurred during this reporting period. The next Quarterly Compliance Report will cover the next reporting period from April 1, 2020 to June 30, 2020.

### **4.0 MITIGATION MONITORING AND REPORTING PROGRAM**

Per Condition 6.7 of the ITP, Table 4 presents the Mitigation Monitoring and Reporting Program table that was prepared for the Recirculated Portions of the Final Environmental Impact Report with notes showing the current implementation status of each mitigation measure.

**Table 4. Devil's Gate Mitigation Monitoring and Reporting Program**

MITIGATION MONITORING AND REPORTING PROGRAM Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
<b>BIOLOGICAL RESOURCES</b>							
<b>MM BIO – 1:</b> A qualified biological monitor shall be present during initial ground- or vegetation-disturbing project-related activities to provide measures and monitor for wildlife in harm's way. This includes initial ground- or vegetation-disturbing project-related activities at the annual start of each year of sediment removal or maintenance activities. Following initial project-related activities, a qualified monitoring biologist shall be present as necessary to maintain the implemented protection measures and monitor for additional species in harm's way. These protection measures shall include, as appropriate: redirecting wildlife, identifying areas that may require exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Any captured species shall be relocated to adjacent appropriate habitat that is contiguous to adjacent habitat and not impacted by project-related disturbance activities.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	No initial ground- or vegetation-disturbing construction related activities occurred during the 2020 first quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2020 first quarter reporting period. See Table 3 for details.
<b>MM BIO – 2:</b> Within 90 days prior to ground-disturbing activities, a sensitive species educational briefing shall be conducted by a qualified biologist for construction personnel. The biologist will identify all sensitive resources that may be encountered onsite, and construction personnel will be instructed to avoid and report any sightings of sensitive species to the Los Angeles County Flood Control District (LACFCD) or the monitoring biologist. Educational briefings shall be repeated annually for the duration of the sediment removal.	Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/28/18 - ongoing	An initial training was conducted on the first day of construction (Nov 28, 2018). Additional trainings were provided on an as-needed basis to new project personnel afterwards during the 2020 first quarter reporting period.
<b>MM BIO – 3:</b> Within 90 days prior to ground-disturbing activities, a preconstruction survey shall be conducted by a qualified biologist for the presence of any sensitive species in harm's way, including coast range newt, southwestern pond turtle, and two-striped garter snake. If sensitive species are observed in harm's way, the qualified biologist will develop and implement appropriate protection measures for that species. These protection measures shall include, as appropriate: redirecting the species, constructing exclusionary devices (e.g., fencing), or capturing and relocating wildlife outside the work area. Preconstruction surveys shall be repeated annually for the duration of the sediment removal. Observations of special status species made during these surveys shall be recorded onto a California Natural Diversity Database (CNDDDB) field data sheet and submitted to CDFW for inclusion into the CNDDDB.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/01/18 - 11/27/18, 3/15/19 - 4/14/19, 3/1/20 - ongoing	No construction ground-disturbing activities occurred during the first quarter of 2020. As such, no preconstruction surveys for sensitive wildlife species took place during the first quarter of 2020. Breeding season surveys for least Bell's vireo were initiated during the first week of March 2020. Preconstruction least Bell's vireo surveys began 30 days prior to the anticipated Project start date of April 16, 2020 (later postponed) and continued through the end of the 2020 first quarter reporting period. Least Bell's vireo were not documented during the first quarter 2020 reporting period. The implementation of this measure will be completed during the second quarter 2020 reporting period and will be discussed in the subsequent quarterly report (Quarter 2 2020).
<b>MM BIO – 4:</b> LACFCD, in consultation with a qualified biologist, will employ bird exclusionary measures	Final Plans and	Pre-Sediment Removal;	Los Angeles County Flood	Less than significant		3/15/19 - 4/14/19,	Preconstruction surveys for

**Table 4. Devil's Gate Mitigation Monitoring and Reporting Program**

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Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
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<p>(e.g., mylar flagging) prior to the start of bird breeding season to prevent birds nesting within established boundaries of the project.</p> <p>Prior to commencement of sediment removal activities within bird breeding season (March 1-August 31), a preconstruction bird nesting survey shall be conducted by a qualified biologist for the presence of any nesting bird within 300 feet of the construction work area. The surveys shall be conducted 30 days prior to the disturbance of suitable nesting habitat by a qualified biologist with experience in conducting nesting bird surveys. The surveys shall continue on a weekly basis with the last survey being conducted no more than three days prior to the initiation of clearance/construction work. Preconstruction surveys shall be repeated annually for the duration of the sediment removal.</p> <p>If an active nest is found, the qualified biologist will develop and implement appropriate protection measures for that nest. These protection measures shall include, as appropriate, construction of exclusionary devices (e.g., netting) or avoidance buffers. The biologist shall have the discretion to adjust the buffer area as appropriate based on the proposed construction activity, the bird species involved, and the status of the nest and nesting activity; but shall be no less than 30 feet. Work in the buffer area can resume once the nest is determined to be inactive by the monitoring biologist.</p>	<p>Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Sediment Removal; Reservoir Management</p>	<p>Control District</p>			<p>3/16/20 - ongoing</p>	<p>nesting birds started 30 days prior to the initiation of ground-disturbing activities inside the reservoir which was anticipated to occur on April 16, 2020 (later postponed). Active bird nests within 500 feet of the Project site were documented and appropriate no-work buffers were established. Designated Biologists monitored restoration activities daily during the nesting season during the first quarter 2020 reporting period. The implementation of this measure will be completed during the second quarter 2020 reporting period and will be discussed in the subsequent quarterly report (Quarter 2 2020).</p>
<p><b>MM BIO – 5:</b> Within 30 days prior to commencement of vegetation or structure removal activities, a preconstruction bat survey shall be conducted by a qualified biologist for the presence of any roosting bats. Acoustic recognition technology shall be used if feasible and appropriate. If either a bat maternity roost or hibernacula (structures used by bats for hibernation) are present, a qualified biologist will develop and implement appropriate protection measures for that maternity roost or hibernacula. These protection measures shall include, as appropriate: safely evicting non-breeding bat hibernacula, establishment of avoidance buffers, or replacement of roosts at a suitable location. These measures shall also include as appropriate:</p> <ul style="list-style-type: none"> <li>• To the extent feasible, trees that have been identified as roosting sites shall be removed or relocated between October 1 and February 28.</li> <li>• When trees must be removed during the maternity roost season (March 1 to September 30), a qualified bat specialist shall conduct a preconstruction survey to identify those trees proposed for disturbance that could provide hibernacula or nursery colony roosting habitat for bats.</li> <li>• Trees identified as potentially supporting an active nursery roost shall be inspected by a qualified biologist no greater than seven days prior to tree disturbance to determine presence or absence of roosting bats.</li> <li>• Trees determined to support active maternity roosts will be left in place until the end of the maternity season (September 30).</li> <li>• If bats are not detected in a tree, but the qualified biologist determined that roosting bats may still be present, trees shall be removed as follows: <ul style="list-style-type: none"> <li>○ Pushing the tree down with heavy machinery instead of felling the tree with a chainsaw.</li> <li>○ First pushing the tree lightly two to three times with a pause of 30 seconds in between each nudge to allow bats to become active, and then pushing the tree to the ground slowly.</li> <li>○ Allowing the tree to remain in place for 24 to 48 hours until inspected by the qualified biologist for presence or absence of roosting bats.</li> </ul> </li> </ul> <p>The qualified biologist shall document all bat survey, monitoring, and protection measure activities and</p>	<p>Final Plans and Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>11/06/2018 – 11/08/2018</p>	<p>Preconstruction bat surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this measure were required during the 2020 first quarter reporting period.</p>

**Table 4. Devil's Gate Mitigation Monitoring and Reporting Program**

MITIGATION MONITORING AND REPORTING PROGRAM							
Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
prepare a summary report for LACFCD.							
<p><b>MM BIO – 6:</b> Riversidean Alluvial Fan Sage Scrub habitat shall be restored and/or enhanced at a 1:1 ratio by acreage. LACFCD, with the help of professional restoration ecologists, will develop the means and methods of successful restoration and enhancement of this sensitive habitat. Measures to achieve not less than a 1:1 replacement, or no net loss, of Riversidean Alluvial Fan Sage Scrub shall include but not be limited to the following:</p> <ul style="list-style-type: none"> <li>• Conduct a vegetation survey within the impact area prior to commencement of vegetation removal activities to verify the impact acreage of Riversidean Alluvial Fan Sage Scrub.</li> <li>• Identify and map the selected mitigation areas where Riversidean Alluvial Fan Sage Scrub will be enhanced or restored using aerial photographs. Priority for mitigation site locations shall be onsite, offsite within Arroyo Seco subwatershed, and offsite within the greater Los Angeles River watershed.</li> <li>• Select offsite reference sites where Riversidean Alluvial Fan Sage Scrub is the established plant community. The reference sites will be used to establish the necessary performance standards to which the mitigation site will be measured. Performance standard parameters will include percent cover of native plant species, percent cover of nonnative and invasive plant species, and native plant species richness (number of different plant species).</li> <li>• Prepare and implement a site-specific Habitat Restoration Plan that will result in the successful restoration and enhancement at the selected mitigation sites. The Habitat Restoration Plan, at a minimum, shall include guidelines and specifications for the following: <ul style="list-style-type: none"> <li>○ Site-specific container plant (if applicable) and seed palettes,</li> <li>○ Irrigation plan,</li> <li>○ Nonnative and invasive plant species removal,</li> <li>○ Maintenance and monitoring schedule,</li> <li>○ Qualitative and quantitative monitoring methodologies,</li> <li>○ Selection criteria of reference sites,</li> <li>○ Performance standards of the mitigation sites,</li> <li>○ Monitoring reports and annual reports schedule,</li> <li>○ Mitigation long-term management plan, and</li> <li>○ Funding description for implementation and long-term management.</li> </ul> </li> <li>• Prepare an as-built plan after the installation of the plant and seed materials has been completed to document the acreage of each restored or enhanced plant community on the mitigation sites and to show that not less than a 1:1 replacement of sensitive habitats has been achieved.</li> <li>• Quantitatively monitor the mitigation sites until the performance standards have been met and restoration and enhancement of not less than 1:1 replacement of Riversidean Alluvial Fan Sage Scrub has been achieved. Implement adaptive management measures if, during monitoring, the mitigation sites do not demonstrate measurable progress toward achieving the necessary performance standards or if unforeseen circumstances damage the mitigation sites. Adaptive management measures will include but not be limited to: <ul style="list-style-type: none"> <li>○ Correctively re-grade areas if hydrologic or other conditions negatively affect the mitigation sites,</li> <li>○ Add soil amendments if problem soils may be inhibiting plant growth,</li> <li>○ Replant if plant survival is low or to increase plant species cover or diversity,</li> <li>○ Install different plant species for plant species that are not surviving, and</li> <li>○ Close trails or install barriers if human-caused impacts are damaging the mitigation sites.</li> </ul> </li> <li>• Implement and monitor the required mitigation at alternative sites, chosen based on same priority methodology, if the mitigation sites do not achieve the performance standards after the implementation of adaptive management measures. LACFCD shall conduct qualitative and annual quantitative monitoring and prepare annual monitoring reports until the established</li> </ul>	<p>Reservoir Management</p> <ul style="list-style-type: none"> <li>• Prepare Habitat Restoration Plan</li> <li>• Identify/Map Mitigation Sites</li> <li>• Install Plant Materials</li> <li>• Monitor Installation</li> <li>• Install Irrigation, if Necessary</li> <li>• Prepare As-Built Report</li> <li>• Conduct Maintenance</li> <li>• Prepare Monitoring Reports</li> </ul>	<p>Reservoir Management</p> <ul style="list-style-type: none"> <li>• Identify Reference Sites</li> <li>• Conduct Qualitative and Quantitative Monitoring</li> <li>• Conduct Maintenance</li> <li>• Implement Adaptive Management Measures, if Necessary</li> <li>• Prepare Monitoring Reports</li> <li>• Prepare Annual Reports</li> <li>• Achieve Mitigation Site Sign- Off</li> </ul>	Los Angeles County Flood Control District	Less than significant		11/19/18 - ongoing	Restoration activities were continued during the 2020 first quarter reporting period.

**Table 4. Devil's Gate Mitigation Monitoring and Reporting Program**

MITIGATION MONITORING AND REPORTING PROGRAM							
Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
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<p>performance standards are achieved.</p> <ul style="list-style-type: none"> <li>Ensure the allocation and encumbrance of the funding necessary to implement the Habitat Restoration Plan, adaptive management measures, alternative mitigation sites (if necessary), and long-term management and protection of the mitigation sites.</li> </ul>							
<p><b>MM BIO – 7:</b> Within 90 days prior to ground-disturbing activities, a qualified biologist shall conduct a tree survey within the project footprint to identify native city-protected trees that would be removed or potentially affected by the Proposed Project, native city-protected trees that can be avoided, and native city-protected trees that will require root zone protection. LACFCD would replace native city-protected trees that cannot be avoided. The replacement is expected to be at a 1:1 ratio by canopy acreage. The biological monitor shall implement measures to protect the root zone of oak trees that may be impacted immediately adjacent to the project site and along access roads. The acreage occupied by the canopies of the native city-protected trees to be removed will determine the appropriate level of tree replacement. LACFCD shall identify tree replacement areas that are no less than the acreage of the native city-protected tree canopies to be removed. Priority for tree replacement locations shall be onsite, offsite within Arroyo Seco subwatershed, and offsite within the greater Los Angeles River watershed. The number of replacement trees installed by LACFCD will be greater than the number of trees to be removed should the replacement tree be smaller and younger than the tree to be removed. LACFCD shall monitor the survival of the replacement trees for five years and replace those that do not survive within the monitoring period, ensuring that not less than 1:1 ratio of replacement, or no net loss, has been achieved.</p>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p> <ul style="list-style-type: none"> <li>Conduct Tree Survey</li> <li>Identify and Protect Oak Tree Root Zones</li> <li>Identify/Map Mitigation Sites</li> <li>Prepare Habitat Restoration Plan</li> <li>Install Plant Materials</li> <li>Monitor Installation</li> <li>Install Irrigation, if Necessary</li> <li>Prepare As-Built Report</li> <li>Conduct Maintenance</li> <li>Prepare Monitoring Reports</li> </ul>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p> <ul style="list-style-type: none"> <li>Identify Reference Sites</li> <li>Conduct Qualitative and Quantitative Monitoring</li> <li>Conduct Maintenance</li> <li>Implement Adaptive Management Measures, if Necessary</li> <li>Prepare Monitoring Reports</li> <li>Prepare Annual Reports</li> <li>Achieve Mitigation Site Sign-Off</li> </ul>	Los Angeles County Flood Control District	Less than significant		10/02/2018 – 10/05/2018	Preconstruction tree surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this measure were required during the 2020 first quarter reporting period.
<p><b>MM BIO – 8:</b> A combination of onsite and offsite habitat restoration, enhancement, and exotic plant removal shall be implemented by LACFCD at a 1:1 ratio for impacted riparian habitat, sensitive natural communities, and jurisdictional waters. Habitat restoration/enhancement shall include use of willow cuttings and exotic plant species removal. Non-native, weedy habitats within the basin shall be utilized whenever possible as mitigation sites. LACFCD, with the help of professional restoration ecologists, will develop the means and methods of successful restoration and enhancement of riparian habitat, sensitive natural communities, and jurisdictional waters. Measures to achieve not less than a 1:1 replacement, or no net loss, of riparian habitat, sensitive natural communities, and jurisdictional waters shall include but not be limited to the following:</p> <ul style="list-style-type: none"> <li>Conduct a vegetation survey within the impact area prior to commencement of vegetation removal activities to verify the impact acreages of riparian habitat (Riparian Woodland and Mule Fat Thickets), sensitive natural communities (Coastal Sage Scrub), and jurisdictional waters (federally protected wetlands).</li> <li>Identify and map the selected mitigation areas where riparian habitat, sensitive natural communities, and federally protected wetlands will be enhanced or restored. Priority for mitigation site locations shall be onsite, offsite within Arroyo Seco subwatershed, and offsite within the greater Los Angeles River watershed.</li> <li>Select offsite reference sites where riparian habitats (Riparian Woodland and Mule Fat Thickets) and sensitive natural communities (coastal sage scrub) are the established plant communities and where federally protected wetlands are present. The reference sites will be used to establish the necessary performance standards to which the mitigation site will be measured. Performance standard parameters will include percent cover of native plant species, percent cover of nonnative and invasive plant species, native plant species richness (number of different plant species), structural patch richness, and wildlife use.</li> <li>Prepare and implement a site-specific Habitat Restoration Plan that will result in the successful restoration and enhancement at the selected mitigation sites. The Habitat Restoration Plan, at a minimum, shall include guidelines and specifications for the following: <ul style="list-style-type: none"> <li>Site-specific container plant and seed palettes,</li> <li>Irrigation plan,</li> </ul> </li> </ul>	<p>Reservoir Management</p> <ul style="list-style-type: none"> <li>Prepare Habitat Restoration Plan</li> <li>Identify/Map Mitigation Sites</li> <li>Install Plant Materials</li> <li>Monitor Installation</li> <li>Install Irrigation, if Necessary</li> <li>Prepare As-Built Report</li> <li>Conduct Maintenance</li> <li>Prepare Monitoring Reports</li> </ul>	<p>Reservoir Management</p> <ul style="list-style-type: none"> <li>Identify Reference Sites</li> <li>Conduct Qualitative and Quantitative Monitoring</li> <li>Conduct Maintenance</li> <li>Implement Adaptive Management Measures, if Necessary</li> <li>Prepare Monitoring Reports</li> <li>Prepare Annual Reports</li> <li>Achieve Mitigation Site Sign-Off</li> </ul>	Los Angeles County Flood Control District	Less than significant		11/19/18 - ongoing	Restoration activities were continued during the 2020 first quarter reporting period.

**Table 4. Devil's Gate Mitigation Monitoring and Reporting Program**

MITIGATION MONITORING AND REPORTING PROGRAM Devil's Gate Reservoir Sediment Removal and Management Project							
Mitigation Measure	Implementation Phase*	Monitoring Phase*	Enforcement Agency	Level of Significance After Mitigation	Verification of Compliance		
					Initial	Date	Remarks
<ul style="list-style-type: none"> <li>○ Nonnative and invasive plant species removal,</li> <li>○ Maintenance and monitoring schedule,</li> <li>○ Qualitative and quantitative monitoring methodologies,</li> <li>○ Selection criteria of reference sites,</li> <li>○ Performance standards of the mitigation sites,</li> <li>○ Monitoring reports and annual reports schedule,</li> <li>○ Mitigation long-term management plan, and</li> <li>○ Funding description for implementation and long-term management.</li> <li>● Prepare an as-built plan after the installation of the plant and seed materials has been completed to document the acreage of each restored or enhanced plant community on the mitigation sites to show that the sites contain not less than a 1:1 replacement of riparian habitats, sensitive natural communities, and federally protected wetlands has been achieved.</li> <li>● Quantitatively monitor the mitigation sites until the performance standards have been met and restoration and enhancement of not less than 1:1 replacement of riparian habitats, sensitive natural communities, and federally protected wetlands has been achieved.</li> <li>● Implement adaptive management measures if, during monitoring, the mitigation sites do not demonstrate measurable progress achieving the necessary performance standards or if unforeseen circumstances damage the mitigation sites. Adaptive management measures will include but not be limited to: <ul style="list-style-type: none"> <li>○ Correctively re-grade areas if hydrologic or other conditions negatively affect the mitigation sites,</li> <li>○ Add soil amendments if problem soils may be inhibiting plant growth,</li> <li>○ Replant if plant survival is low or to increase plant species cover or diversity,</li> <li>○ Install different plant species for plant species that are not surviving, and</li> <li>○ Close trails or install barriers if human-caused impacts are damaging the mitigation sites.</li> </ul> </li> <li>● Implement and monitor the required mitigation at alternative sites if the mitigation sites do not achieve the performance standards after the implementation of adaptive management measures. LACFCD shall conduct qualitative and annual quantitative monitoring and prepare annual monitoring reports until the established performance standards are achieved.</li> <li>● Ensure the allocation and encumbrance of the funding necessary to implement the Habitat Restoration Plan, adaptive management measures, alternative mitigation sites (if necessary), and long-term management and protection of the mitigation sites.</li> <li>● Submit a report of the monitoring results annually following implementation of the restoration and enhancement activities at the mitigation sites, to resource agencies as required by the Section 401 Certification, Section 404 permit, and a Streambed Alteration Agreement until the mitigation sites have met the performance standards.</li> </ul>							

\*The Implementation and Monitoring phases are broken down into four categories: Final Plans and Specifications; Pre- Sediment Removal; Sediment Removal; and Reservoir Management. "Final Plans and Specifications" indicates that the mitigation measure must be incorporated into the final approved design, plans, and specifications for the project. "Pre- Sediment Removal" refers to measures that are required prior to the start of the sediment removal phase. "Sediment Removal" refers to all aspects of the Sediment Removal phase. "Reservoir Management" refers to all aspects of the Reservoir Management phase.

## **LIST OF APPENDICES**

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Appendix A – Least Bell’s Vireo Breeding Season Survey Report – March 2020

Appendix B – Habitat Restoration Monitoring Logs

Least Bell's Vireo Breeding Season Survey Report – March 2020

May 13, 2020  
(2018-047.019/004)

Mr. Mark Gim  
County of Los Angeles Department of Public Works  
Stormwater Engineering Division  
Via Email: [Tgim@dpw.lacounty.gov](mailto:Tgim@dpw.lacounty.gov)

**Subject: March 2020 Summary of Least Bell's Vireo Breeding Season Surveys for the Devil's Gate Reservoir Restoration Project, in the City of Pasadena, California**

Dear Mr. Gim,

This letter report has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*) conducted in March 2020 by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys for least Bell's vireo were conducted to comply with Condition 7.3.4 in the California Department of Fish and Wildlife (CDFW) Incidental Take Permit (ITP) No. 2081-2016-031-05 that was issued for the Devil's Gate Reservoir Restoration Project (Project) which states that if Covered Activities are proposed during the least Bell's vireo breeding season (defined as March 1 to September 15):

"The Designated Biologist(s) shall continue weekly focused surveys within 500 feet of Covered Activities in Covered Species habitat during the breeding season to determine the presence of Covered Species;"

Per Conservation Measure 11b of the USFWS Informal Section 7 Consultation, if sediment removal is conducted between March 15 and August 31 "twice weekly surveys for the vireo will be conducted by the biological monitor in areas of suitable habitat within 500 feet of proposed construction activities to determine the presence of vireo nest building activities, egg incubation activities, or brood rearing activities."

No sediment removal activities were conducted during March of 2020. As such, weekly breeding season focused least Bell's vireo surveys (per ITP Condition 7.3.4) were conducted beginning the first week of March 2020 prior to the start of preconstruction least Bell's vireo surveys (initiated March 16, 2020 to accommodate an anticipated start date of April 16, 2020, currently ongoing). Twice-weekly least Bell's vireo surveys per the Section 7 will begin after preconstruction least Bell's vireo surveys are completed, and sediment removal activities are initiated.

## **SURVEY METHODS**

Focused breeding season surveys for least Bell's vireo were conducted in compliance with ITP Condition 7.3.4 and Section 7 Conservation Measure CM 11b for Project activities that are to occur during the vireo's breeding season (March 1 to August 31). Surveys were conducted between dawn and 11 a.m. when weather conditions were favorable in accordance with USFWS 2001 protocol (nesting season) guidelines.<sup>1</sup> Meandering transects were walked throughout suitable least Bell's vireo habitat areas within 500 feet of the Project boundaries to visually and audibly detect the presence of least Bell's vireo. All bird and wildlife species detected during the survey were recorded on standardized data sheets. All surveys were conducted in compliance with the Nesting Bird Management Plan prepared for the Project.<sup>2</sup>

## **RESULTS**

Two focused breeding season surveys for least Bell's vireo were conducted during the first two weeks of March 2020. Beginning March 16, preconstruction least Bell's vireo surveys were initiated and continued through the end of March (results to be presented in the Preconstruction Least Bell's Vireo Survey Report). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates, personnel, and weather conditions for each survey are presented in Table 1. Field survey datasheets are provided in Attachment A.

Date	Surveyors*	Time		Temperature (°F)		Cloud Cover (%)		Wind Speed (mph)	
		start	end	start	end	start	end	start	end
03/04/20	LS	0615	1030	42	67	0	15	0-3	0-3
03/12/20	LS	0700	1045	50	56	0	100	0-3	1-4

LS = Lauren Simpson

No least Bell's vireos were detected during the March 2020 breeding season surveys.

Brown-headed cowbirds were not observed during March 2020 breeding season surveys.

## **DISCUSSION**

Two focused breeding season surveys for least Bell's vireo conducted in March 2020 did not detect least Bell's vireo in or within 500 feet of the Project site. Preconstruction least Bell's vireo surveys are ongoing until project activities begin, at which point twice-weekly focused breeding season surveys at the Project site will continue until the end of the breeding season (September 15).

<sup>1</sup> U.S. Fish and Wildlife Service (USFWS). 2001. Least Bell's Vireo Survey Guidelines. U.S. Department of the Interior. Carlsbad, CA, USFWS, 3 pp.

<sup>2</sup> ECORP Consulting, Inc (ECORP). 2019. Nesting Bird Management Plan, Devil's Gate Reservoir Restoration Project, Los Angeles County, California. Prepared for the Los Angeles Department of Public Works, Water Resource Division. March 2019.

If you have any questions regarding the contents of this letter report, please contact me at (714) 648-0630 or [lsimpson@ecorpconsulting.com](mailto:lsimpson@ecorpconsulting.com).

SIGNED: 

Lauren Simpson  
Staff Biologist  
ECORP Consulting, Inc.  
2861 Pullman Street  
Santa Ana, CA 92705

DATE: May 13, 2020

**Attachments:**

Attachment A: Survey Datasheets

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**ATTACHMENT A**

Survey Datasheets

# Least Bell's Vireo Log for Devils Gate (Environmental Conditions)

Submitted by: SoCal\_Bio

Submitted time: Mar 4, 2020, 12:11:21 PM

Survey Date

**Mar 4, 2020**

Observer Name

**Lauren Simpson**

Survey Conditions

Start Time

**06:15**

Start Temperature

**42**

Start Wind Speed

**0-3**

Start Cloud Cover

**0**

End Time

**10:30**

End Temperature

**67**

End Wind Speed

**0-3**

End Cloud Cover

**15**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Incidental Species Observed

**SPTO CASJ lego WCSP BEWR Cora ACWO, NUWO cago parrot sp, AMCR, MODO, ANHU, webI CALT hofi, SOS P Coye, CATH, Ecco, CAQU EUST Bush caki bggn RTHA, RCKI, wren Greg, BLPH Ca ground squirrel, kill, NRW S mall Euwi WTSW cottontail, NOFL, YRWA ALHU dowo Deju howr**

Additional Notes

**No lbv observed**

Log Completed?

**Yes**

# Least Bell's Vireo Log for Devils Gate (Environmental Conditions)

Submitted by: SoCal\_Bio

Submitted time: Mar 12, 2020, 11:43:33 AM

Survey Date

**Mar 12, 2020**

Observer Name

**Lauren Simpson**

Survey Conditions

Start Time

**07:00**

Start Temperature

**50**

Start Wind Speed

**0-3**

Start Cloud Cover

**0**

End Time

**10:45**

End Temperature

**56**

End Wind Speed

**1-4**

End Cloud Cover

**100**

Were Least Bell's Vireo Observed

**No**

Brown-Headed CowBird Observations

Number of Individuals

**0**

Incidental Species Observed

**Parrot sp. MODO BEWR ACWO WCSP BUSH HOWR CAGO SOSP COYE SPTO CORA LEGO CALT ANHU BLPH  
CASJ OATI MALL NRWS YRWA DEJU NUWO RCKI HOFI WTSW PSFL CATH WREN CAQU HETH CAKI RTHA N  
OFL ALHU coyote (heard)**

Additional Notes

**No lbv observed. Bird activity high. Rain began at 1040**

Log Completed?

**Yes**

Habitat Restoration Monitoring Logs

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/28/2020 10:01 PM

## Date

Jan 9, 2020

## Monitor Name

Taylor Dee

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

06:45

## Start Temperature

46

## Start Cloud Cover

30

## Start Wind Speed

0-1

## End Time

23:07

## End Temperature

57

## End Cloud Cover

20

## **End Wind Speed**

0-1

## **Construction Activity and Personnel**

Nature's Image crew of 16 led by foreman Ron, conducted eucalyptus and nonnative plant removal. Crew removed nonnative vegetation by hand and with hand tools. Eucalyptus was removed with a chainsaw.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

ACWO, WREN, WCSP, LEGO, CALT, BUSH, desert cottontail, SOSP, parrot sp., HOFI, AMCR, coyote (scat), CSJA, MALL, RUDU, KILL, MODO, BLPH, RTHA, gull sp., scaup sp.

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

**Log Entry**

0645 onsite on east side of project. 0703 Crew arrived. Discussed plan for the day with foreman. 0739 surveyed work area. No biological concerns detected. 0750 nonnative plant removal began. Target species included tree tobacco, perennial pepperweed, wild radish, lady's thumb, and mustard. 0830 two crew members began using chainsaw to cut down eucalyptus sprouts. 1026 Accompanied 2 crew members to west side to inspect and then monitor removal of small eucalyptus trees. 1100 crew finished removing eucalyptus on west side. 1107 Surveyed a large tree tobacco and surrounding area for any biological concerns. No issues or concerns. Tree was planned for removal later that day. Notified foreman about status of trees on west side. Crew was done with vegetation removal and would be cleaning up vegetation debris for the rest of the day. 1115 Biologist left for the day. No biological impacts to special-status resources were observed.

**Log Entry - Photos taken?**

Yes

**Log Entry Photo A**



**Log Entry Photo B**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of several overlapping, slanted strokes.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/14/2020 1:06 PM

## Date

Jan 14, 2020

## Monitor Name

Carley Lancaster

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

45

## Start Cloud Cover

0

## Start Wind Speed

1-3

## End Time

13:30

## End Temperature

61

## End Cloud Cover

0

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to collect arroyo willow stakes in the upper Arroyo Seco north of the Devil's Gate Project area. Crew consisted of one foreman (Ron Crawford) and five laborers. Willow cuttings were harvested according to the Final Habitat Restoration Plan and Permit PW-11-19.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

CALT, SPTO, YRWA, BLPH, RCKI, RTHA, HOFI, CATH, NOMO, MODO, EUST, CORA, WCSP, CASJ, ANHU, coyote

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

### **Log Entry**

0700, conducted pre-collection sweep. 0730, crew began using hand tools to collect willow stakes. 1330, crew done collecting and biologist left for the day.

### **Log Entry - Photos taken?**

Yes

### **Log Entry Photo A**



### **Log Entry Photo B**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of several fluid, connected strokes that are difficult to decipher as specific letters.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/15/2020 3:44 PM

## Date

Jan 15, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

08:08

## Start Temperature

40

## Start Cloud Cover

20

## Start Wind Speed

1-3

## End Time

13:56

## End Temperature

64

## End Cloud Cover

40

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to collect arroyo willow stakes in the upper Arroyo Seco north of the Devil's Gate Project area. Crew consisted of one foreman (Sonny) and four laborers. Willow cuttings were harvested according to the Final Habitat Restoration Plan and Permit PW-11-19.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

CORA, MODO, HOFI, BLPH, RTHA, CASJ, BUSH, ANHU, YRWA, CALT, BEWR, OATI, NUWO, LEGO, NOFL, RCKI,

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

### **Log Entry**

0700 - arrive onsite 0730 - meet with Natures Image crew 0745 - mobilize to arroyo willow sampling site 0800 - begin monitoring arroyo willow cutting 1345 - begin load out of cuttings 1350 - leave site

### **Log Entry - Photos taken?**

Yes

### **Log Entry Photo A**



**Log Entry Photo B**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of several stylized, overlapping loops and lines.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/28/2020 10:01 PM

## Date

Jan 16, 2020

## Monitor Name

Taylor Dee

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

06:45

## Start Temperature

46

## Start Cloud Cover

10

## Start Wind Speed

1-4

## End Time

13:30

## End Temperature

64

## End Cloud Cover

55

## **End Wind Speed**

1-5

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to collect mulefat stakes in the upper Arroyo Seco north of the Devil's Gate Project area. Crew consisted of one foreman (Sony) and seven laborers. Willow cuttings were harvested according to the Final Habitat Restoration Plan and Permit PW-11-19.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

Parrot sp., WREN, CSJA, MODO, desert cottonail, NUWO, SOSPO, CALT, RCKI, SAPH, NOFL, OATI, SPTO, NOMO, BUSH, YRWA, LEGO, western fence lizard

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

**Log Entry**

0645 arrived onsite to monitor willow/mulefat cuttings. Surveyed ahead of crew and no special-status resources were impacted. 0745 NI crew arrived after filling up water tank for cuttings and biologist followed crew to the harvest site. 0758 arrived at the harvest location and work began. 1035 Ron (another NI foreman) dropped off two additional staff to help with collection. 1325 Crew finished collection for the day and planned to finish the day with cleaning up vegetation debris. The crew also would continue with the mulefat and willow collection for the following day. 1330 Biologist left site. No special-status species were impacted

**Log Entry - Photos taken?**

No

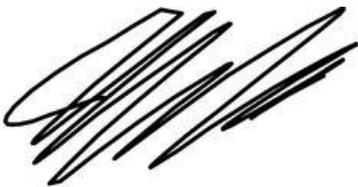
**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of several overlapping, sweeping strokes that form a cursive, illegible name.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/17/2020 1:47 PM

## Date

Jan 17, 2020

## Monitor Name

Adam Schroeder

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

43

## Start Cloud Cover

30

## Start Wind Speed

0-2

## End Time

13:46

## End Temperature

60

## End Cloud Cover

60

**End Wind Speed**

1-3

**Construction Activity and Personnel**

1. One water truck, hand tools. 2. Six personnel (Nature's Image, Ron/Sonny)

**What type of monitoring is being conducted?**

Restoration Monitoring

**Covered Species Observed?**

No

**Which species were observed?**

N/A

**Were any least Bell's Vireo detected?**

No

**Include details of any least Bell's Vireo detected?**

N/A

**Other Wildlife Species Observed**

ANHU, SPTO, CALT, ACWO, BEWR, CATH, CASJ, CORA, RSHA, desert cottontail

**Were Any Non-compliance Issues Observed?**

No

**Please State What Non-compliance Issues Occurred:**

N/A

**Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0755- Monitored Nature's Image crew using hand tools to collect black willow and mulefat stakes in DG-4. Crew consisted of one foreman (Sonny) and five laborers. Willow and mule fat cuttings were harvested according to the Final Habitat Restoration Plan and Permit PW-11-19.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**



# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/27/2020 7:40 AM

## Date

Jan 20, 2020

## Monitor Name

Carley Lancaster

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

53

## Start Cloud Cover

15

## Start Wind Speed

1-3

## End Time

13:00

## End Temperature

71

## End Cloud Cover

10

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to install willow and mulefat stakes in DG-4. Crew consisted of one foreman (Ron Crawford) and 12 laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

CASJ, YRWA, WCSP, BEWR, MODO, CATH, CALT, SPTO, NOMO, CORA, coyote, California ground squirrel

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0700, conducted pre-work sweep. 0715, crew began installing stakes in DG-4. Stakes were installed according to the Final Habitat Restoration Plan.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



**Log Entry Photo B**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/27/2020 7:48 AM

## Date

Jan 21, 2020

## Monitor Name

Carley Lancaster

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

52

## Start Cloud Cover

40

## Start Wind Speed

1-3

## End Time

13:00

## End Temperature

69

## End Cloud Cover

20

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to install willow and mulefat stakes in DG-4. Crew consisted of one foreman (Ron Crawford) and 12 laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

CALT, SPTO, CATH, MODO, NOMO, ROPI, EUST, RTHA, YRWA, BEWR, WCSP, coyote, California ground squirrel, desert cottontail

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0700, conducted pre-work sweep. 0715, crew began installing stakes in DG-4. Stakes were installed according to the Final Habitat Restoration Plan. 1300, biologist left for the day.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

Handwritten signature in black ink.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/22/2020 2:25 PM

## Date

Jan 22, 2020

## Monitor Name

Adam Schroeder

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

19:00

## Start Temperature

46

## Start Cloud Cover

80

## Start Wind Speed

1-3

## End Time

13:00

## End Temperature

65

## End Cloud Cover

30

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

1. Hand tools. 2. 11 personnel (Nature's Image, Ron Crawford)

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

ANHU, WCSP, CATH, RLPA, CORA, CASJ, CALT, BLPH, LEGO, WEBL, EUST, COYE, WEKI, Western fence lizard

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0720- Monitored Nature's Image crew using hand tools to plant black willow and mule fat stakes in DG-4. Crew consisted of one foreman (Ron Crawford) and 10 laborers. Willow and mule fat cuttings were harvested and planted according to the Final Habitat Restoration Plan and Permit PW-11-19.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Log Entry Photo C**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to be "Ryan [unclear]".

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/23/2020 2:01 PM

## Date

Jan 23, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

47

## Start Cloud Cover

5

## Start Wind Speed

0-1

## End Time

13:58

## End Temperature

77

## End Cloud Cover

0

## **End Wind Speed**

3-5

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to collect black willow and mulefat stakes in DG-4 of the Devil's Gate Project area. Crew consisted of one foreman (Sonny) and six laborers. Cuttings were harvested according to the Final Habitat Restoration Plan and Permit PW-11-19.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

CORA, WEBL, BLPH, AMCR, HOFI, LEGO, CATH, BEWR, YRWA, ANHU, WCSP, NOFL, MODO, CASJ, CALT, NUWP, RCKI, ACWP, SAPH, WEKI, RTHA, RSHA, western fence lizard, side blotch lizard, coyote

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

**Log Entry**

0700 - arrive on site 0730 - begin monitoring 1355 - end monitoring

**Log Entry - Photos taken?**

Yes

**Log Entry Photo A**



**Log Entry Photo B**



**Log Entry Photo C**



**Log Entry Photo D**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

Handwritten signature in black ink.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 01/30/2020 11:06 AM

## Date

Jan 24, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

08:03

## Start Temperature

45

## Start Cloud Cover

0

## Start Wind Speed

0-1

## End Time

13:00

## End Temperature

70

## End Cloud Cover

10

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to collect black willow stakes in the DG-4 area of the Devil's Gate Project area. Crew consisted of one foreman (Marvin) and six laborers. Cuttings were harvested according to the Final Habitat Restoration Plan and Permit PW-11-19.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

NOFL, AMCR, NUWP, RBSA, LEGO, WCSP, YRWA, RCKI, ACWP, RTHA, RSHA, BUSH, BEWR, CAJS, CALT

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

**Log Entry**

0700 - arrive onsite. 0715 - scout DG-4 for more black willows for cuttings. 1300 - end monitoring.

**Log Entry - Photos taken?**

Yes

**Log Entry Photo A**



**Log Entry Photo B**



**Log Entry Photo C**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to be the initials 'NDM'.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/03/2020 9:53 AM

## Date

Jan 27, 2020

## Monitor Name

Carley Lancaster

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

53

## Start Cloud Cover

25

## Start Wind Speed

3-5

## End Time

12:00

## End Temperature

68

## End Cloud Cover

10

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to collect willow stakes in the Arroyo Seco. Stakes were collected according to permit PW-11-19. Crew consisted of one foreman and four laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

CASJ, YRWA, WCSP, BEWR, CORA, AMCR, RSHA, CALT, SPTO, ACWO, RCKI, CATH, California ground squirrel, coyote

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0700, conducted pre-work sweep. 0715, crew began collecting willow stakes. 1200, crew done collecting stakes and biologist left for the day.

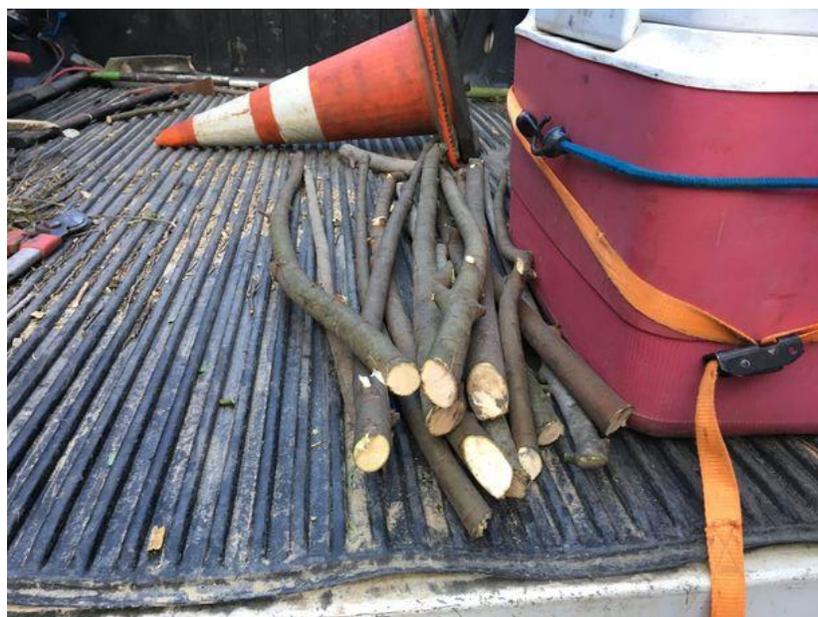
## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Log Entry Photo C**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/03/2020 9:53 AM

## Date

Feb 3, 2020

## Monitor Name

Carley Lancaster

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

49

## Start Cloud Cover

20

## Start Wind Speed

5-10

## End Time

13:00

## End Temperature

63

## End Cloud Cover

10

## **End Wind Speed**

3-6

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to collect and install willow and mulefat stakes. Stakes were collected according to permit number PW-11-19. Crew consisted of one foreman (Ron Crawford) and 10 laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

YRWA, WCSP, AMCR, RTHA, BEWR, CASJ, ROPI, GBHE, CALT, SPTO, RCKI, ACWO, COHA

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0700, conducted pre-work sweep. 0730, crew began collecting willow stakes in the Arroyo Seco and installing stakes in DG-4. 1300, biologist conducted final sweep and left for the day.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Log Entry Photo C**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/05/2020 1:58 PM

## Date

Feb 4, 2020

## Monitor Name

Adam Schroeder

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

47

## Start Cloud Cover

0

## Start Wind Speed

2-5

## End Time

13:00

## End Temperature

65

## End Cloud Cover

0

## **End Wind Speed**

2-5

## **Construction Activity and Personnel**

1. Hand tools. 2. 14 personnel (Nature's Image, Ron Crawford)

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

CORA, CASJ, ANHU, CATH, CALT, YRWA, EUST, MODO, RTHA, RCKI, BEWR, BLPH, RSHA, SAPH, WCSP, LEGO, Western fence lizard, common side-blotched lizard

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0714, Monitored Nature's Image crew using hand tools to plant black willow and mule fat stakes in DG-4. Crew consisted of one foreman (Ron Crawford) and 13 laborers. Willow and mule fat cuttings were harvested and planted according to the Final Habitat Restoration Plan and Permit PW-11-19.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**



# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/07/2020 3:59 PM

## Date

Feb 5, 2020

## Monitor Name

Carley Lancaster

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

51

## Start Cloud Cover

15

## Start Wind Speed

3-6

## End Time

13:00

## End Temperature

69

## End Cloud Cover

0

## **End Wind Speed**

3-6

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to dig holes for willow and mulefat stakes. Crew consisted of one foreman and 10 laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

RTHA, RSHA, COHA, WEBL, RCKI, ACWO, YRWA, LEGO, ANHU, CALT, SPTO, HOFI, CORA, ROPI, coyote

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0700, conducted pre-work sweep. 0715, crew began digging holes. 1300, biologist left for the day.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of a large, stylized initial 'C' followed by a series of connected, fluid strokes that suggest the letters 'M' and 'N'.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/06/2020 11:13 AM

## Date

Feb 6, 2020

## Monitor Name

Brian Zitt

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

06:45

## Start Temperature

39

## Start Cloud Cover

0

## Start Wind Speed

2-3

## End Time

11:15

## End Temperature

62

## End Cloud Cover

0

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image restoration crew (12 people) digging holes and running irrigation lines using hand tools.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

Coyote, cottontail rabbit, side-blotched lizard, CaTo, SoSp, BIPh, AmCr, LeGo, BeWr, WScrubjay, AnHu, Bush, Mall, RSHa, AcWo

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0710 swept the work areas for biological resources, none identified. 0720 crew started work activities in DG4 (digging holes and running irrigation lines) 1000 discussed trash/housekeeping with foreman 1115 departed

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/07/2020 12:35 PM

## Date

Feb 7, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

43

## Start Cloud Cover

0

## Start Wind Speed

0-1

## End Time

12:33

## End Temperature

67

## End Cloud Cover

0

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to collect mule fat stakes in the DG-4 restoration area of the Devil's Gate Project area. Crew consisted of one foreman (Ron Crawford) and fifteen laborers. Cuttings were harvested according to the Final Habitat Restoration Plan and Permit PW-11-19.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

CAQU, CASJ, ACWP, HOFI, BEWR, LEGO, CALT, SAPH, BLPH, BGGN, CATH, NOFL, RSHA, western fence lizard, and California ground squirrel

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the pre-designated work areas.**

N/A

### **Log Entry**

0700 - arrive on site 0708 - begin a pre-construction survey 1100 - observed frisbee golfers (5 individuals) walking through restoration area 1130 - observed frisbee golfers (3 individuals) walking through the restoration area 1230 - end restoration monitoring

### **Log Entry - Photos taken?**

Yes

### **Log Entry Photo A**



**Log Entry Photo B**



**Log Entry Photo C**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of the letters 'NOM' in a stylized, cursive font.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/10/2020 8:00 PM

## Date

Feb 10, 2020

## Monitor Name

Kent Hughes

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

54

## Start Cloud Cover

7

## Start Wind Speed

Gusts to 20 mph.

## End Time

03:00

## End Temperature

68

## End Cloud Cover

5

**End Wind Speed**

5-10

**Construction Activity and Personnel**

12 persons, 2 crews = one crew installing irrigation, one crew collecting willow cuttings

**What type of monitoring is being conducted?**

Restoration Monitoring

**Covered Species Observed?**

No

**Which species were observed?**

N/A

**Were any least Bell's Vireo detected?**

No

**Include details of any least Bell's Vireo detected?**

N/A

**Other Wildlife Species Observed**

Coyote, California towhee, raven, peromyscus sp.

**Were Any Non-compliance Issues Observed?**

No

**Please State What Non-compliance Issues Occurred:**

N/A

**Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

Photo A- installing irrigation Photo B- installing irrigation again. Photo C- collected willow cuttings.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Log Entry Photo C**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to be "J. H. [unclear]". The signature is written in a cursive style.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/12/2020 7:18 AM

## Date

Feb 11, 2020

## Monitor Name

Kent Hughes

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

49

## Start Cloud Cover

21

## Start Wind Speed

5-10

## End Time

15:00

## End Temperature

70

## End Cloud Cover

5

**End Wind Speed**

5-10

**Construction Activity and Personnel**

12 persons, 2 crews = one crew installing irrigation, one crew collecting willow cuttings

**What type of monitoring is being conducted?**

Restoration Monitoring

**Covered Species Observed?**

No

**Which species were observed?**

N/A

**Were any least Bell's Vireo detected?**

No

**Include details of any least Bell's Vireo detected?**

N/A

**Other Wildlife Species Observed**

Coyote, California towhee, raven, California Ground squirrel

**Were Any Non-compliance Issues Observed?**

No

**Please State What Non-compliance Issues Occurred:**

N/A

**Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

Photo A - Collected willow cuttings Photo B- Crew collecting willow cuttings.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



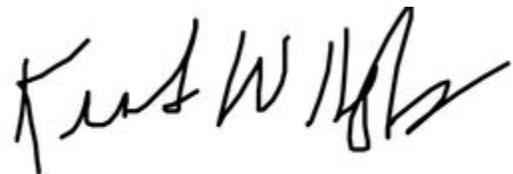
**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to read "Kurt W. H. B.", written in a cursive style.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/20/2020 6:10 AM

## Date

Feb 12, 2020

## Monitor Name

Kent Hughes

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

34

## Start Cloud Cover

9

## Start Wind Speed

0

## End Time

03:00

## End Temperature

68

## End Cloud Cover

5

**End Wind Speed**

5-10

**Construction Activity and Personnel**

Crew installing irrigation

**What type of monitoring is being conducted?**

Restoration Monitoring

**Covered Species Observed?**

No

**Which species were observed?**

N/A

**Were any least Bell's Vireo detected?**

No

**Include details of any least Bell's Vireo detected?**

N/A

**Other Wildlife Species Observed**

California towhee, raven

**Were Any Non-compliance Issues Observed?**

No

**Please State What Non-compliance Issues Occurred:**

N/A

**Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

Photo A- installing irrigation, Photo B- installing irrigation again.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to be "K. A. M. S.", written in a cursive style.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/14/2020 10:16 AM

## Date

Feb 13, 2020

## Monitor Name

Carley Lancaster

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

52

## Start Cloud Cover

15

## Start Wind Speed

2-4

## End Time

11:00

## End Temperature

68

## End Cloud Cover

10

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to install container plants at DG-3A and install willow stakes in DG-4. Crew consisted of one foreman (Ron Crawford) and 15 laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

WEBL, CALT, CASJ, SPTO, YRWA, SOSP, BEWR, ACWO, RTHA, RSHA, COHA, CAQU, CORA, ROPI, ANHU, desert cottontail

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0700, conducted pre-work sweep. 0715, crew began installing willow stakes in DG-4. 1000, crew began installing container plants at DG-3A. 1100, conducted final sweep and biologist left for the day.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Log Entry Photo C**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

Handwritten signature in black ink.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/18/2020 7:32 AM

## Date

Feb 14, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

45

## Start Cloud Cover

0

## Start Wind Speed

0-1

## End Time

11:30

## End Temperature

65

## End Cloud Cover

0

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to plant arroyo willow, black willow, and mule fat stakes in the DG-4 area of the Devil's Gate Project area. Crew consisted of one foreman (Ron Crawford) and fifteen laborers. Willow cuttings were harvested according to the Final Habitat Restoration Plan and Permit PW-11-19.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

ACWP, AMCR, CAQU, CALT, CORA, HOFI, LEGO, BEWR, YRWA, RCKI, BLPH, BGGN, ANHU, SOSP, CATH, WEBL, CASJ, ANHU, SPTO, DEJU, WCSP, NUWO

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

**Log Entry**

0700 - arrive on site 0710 - begin monitoring 1130- end monitoring

**Log Entry - Photos taken?**

Yes

**Log Entry Photo A**



**Log Entry Photo B**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to be the initials 'MOM' with a stylized, overlapping design.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/18/2020 3:58 PM

## Date

Feb 18, 2020

## Monitor Name

Adam Schroeder

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

46

## Start Cloud Cover

20

## Start Wind Speed

0-2

## End Time

14:00

## End Temperature

74

## End Cloud Cover

75

## **End Wind Speed**

2-4

## **Construction Activity and Personnel**

1. Hand tools. 2. 14 personnel (Nature's Image, Ron Crawford)

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

SPTO, RLPA, SOSP, COHA, NUWO, YRWA, ANHU, CALT, BEWR, LEGO, CORA, ROPI, RCKI, NOFL, COYE, LEWO, BGGN, WEKI, BLPH, MODO, WCSP, ACWO, CATH, EUST, CASJ, NOMO, RTHA, CAQU, BUSH, Western fence lizard, common side-blotched lizard

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

**Log Entry**

0714, Monitored Nature's Image crew using hand tools to remove weeds in DG-4. Crew consisted of one foreman (Ron Crawford) and 13 laborers. 0725, Identified one new nest (ANHU-2020-1).

**Log Entry - Photos taken?**

No

**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**A handwritten signature in black ink, appearing to be "R. Crawford", written in a cursive style.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/19/2020 3:12 PM

## Date

Feb 19, 2020

## Monitor Name

Adam Schroeder

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

50

## Start Cloud Cover

0

## Start Wind Speed

0-2

## End Time

13:40

## End Temperature

74

## End Cloud Cover

0

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

1. Hand tools. 2. 14 personnel (Nature's Image, Ron Crawford)

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

BLPH, SPRO, COYE, ACWO, CORA, CALT, CASJ, HETH, HOFI, SOSP, YRWA, BEWR, BUSH, RCKI, DEJU, NUWO, WTSW, MODO, RSHA, Western fence lizard, CA ground squirrel, common side-blotched lizard

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0725, Monitored Nature's Image crew using hand tools to remove weeds in DG-4. Crew consisted of one foreman (Ron Crawford) and 13 laborers. 0753, Identified one new ALHU nest (ALHU-2020-1).

## Log Entry - Photos taken?

No

## Log Entry Photo A



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

Handwritten signature of Ron Crawford.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/20/2020 2:11 PM

## Date

Feb 20, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

53

## Start Cloud Cover

0

## Start Wind Speed

0-1

## End Time

14:09

## End Temperature

77

## End Cloud Cover

0

## **End Wind Speed**

0-1

## **Construction Activity and Personnel**

Nature's Image crews used hand tools for weeding in the southern portion of DG-4 near valve 23. Crew consisted of 10 laborers and one foreman (Ron Crawford).

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

YRWA, BUSH, BEWR, HOFI, SPTO, CALT, NUWP, AMCR, CORA, RCKI, LEGO, ANHU, CASJ, BLPH, WREN, SOSP, WTSW, ACWP, western fence lizard.

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0700 - arrive on site 0710 - pre-con survey 0730 - begin monitoring 1000 - observe bushtit collecting nesting material and building nest 1005 - set up 75 foot buffer around BUSH-2020-1 1409 - end restoration monitoring

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



**Log Entry Photo B**



**Log Entry Photo C**



**Log Entry Photo D**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

Handwritten signature in black ink, appearing to read 'NOM'.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/21/2020 2:08 PM

## Date

Feb 21, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

06:45

## Start Temperature

50

## Start Cloud Cover

80

## Start Wind Speed

0-1

## End Time

14:04

## End Temperature

76

## End Cloud Cover

50

## **End Wind Speed**

0-1

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to weed in the southern portion of the DG-4 restoration area. Work occurred near valves 22 and 21 as well as the northern portion of the restoration site near valve 20 within the Devil's Gate Project area. Crew consisted of one foreman (Ron Crawford) and 18 laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

REKI, HOFI, ROPI, CORA, ALHU, ANHU, DEJU, YRWA, LEGO, BEWR, ACWP, WCSP, SOSP, BUSH, CASJ, RTHA, CATH, CALT, SPTO, COHA, RSHA, western fence lizard

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

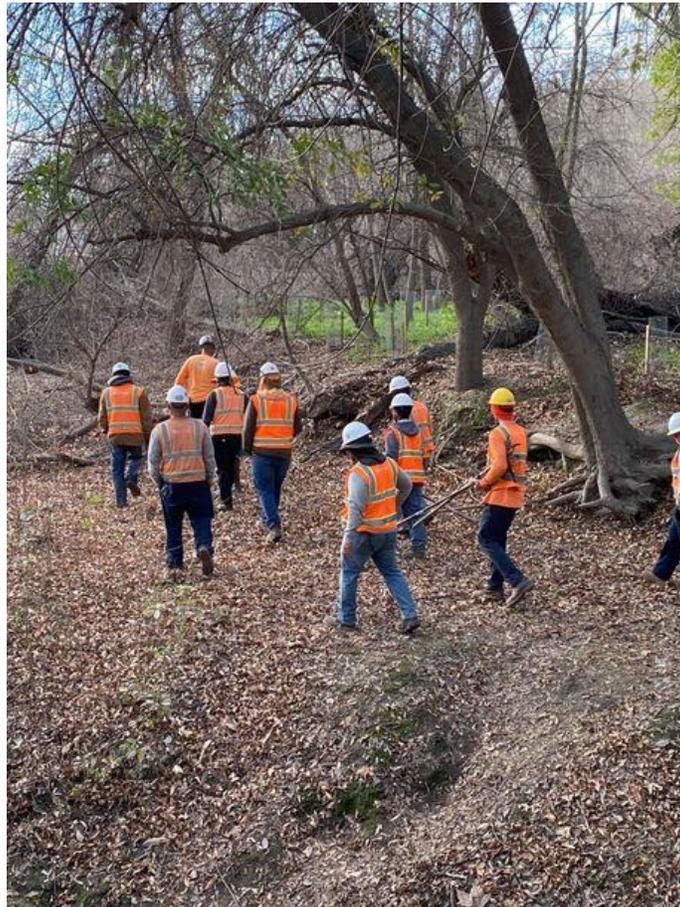
### **Log Entry**

0645 - arrive on site 0650 - pre-con survey 0700 - coordinate with Ron from Natures Image about avoiding nesting birds 0745 - observed bushtits collecting nesting material and building nest near valve 20. Established buffer and notified crew. BUSH-2020-2 1400 - end monitoring.

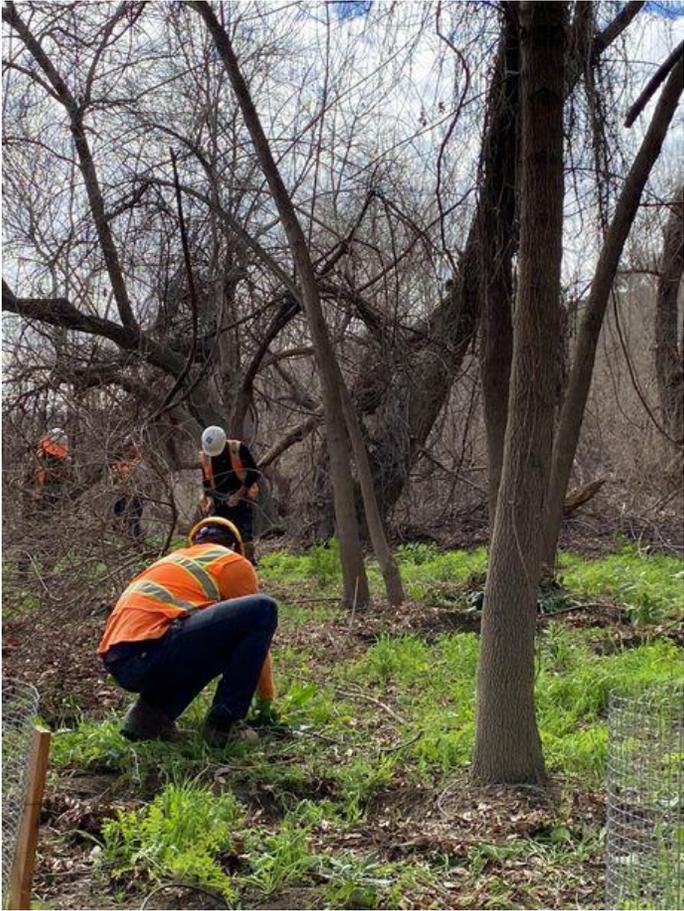
### **Log Entry - Photos taken?**

Yes

### **Log Entry Photo A**



**Log Entry Photo B**



**Log Entry Photo C**



**Log Entry Photo D**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

MOM

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/24/2020 2:02 PM

## Date

Feb 24, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

06:50

## Start Temperature

38

## Start Cloud Cover

5

## Start Wind Speed

0-1

## End Time

14:01

## End Temperature

77

## End Cloud Cover

10

## **End Wind Speed**

1-3

## **Construction Activity and Personnel**

Nature's Image crew used hand tools to remove weeds in the DG-4 restoration area (valve 19) of the Devil's Gate Project area. Crew consisted of one foreman (Ron Crawford) and eleven laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

CORA, BEWR, RTHA, RSHA, BLPH, WCSP, SOSP, WREN, BUSH, CASJ, ACWP, CALT, RCKI, SPTO, HOFI, ANHU, LEGO, NUWP, BGGN, CATH, OATI

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

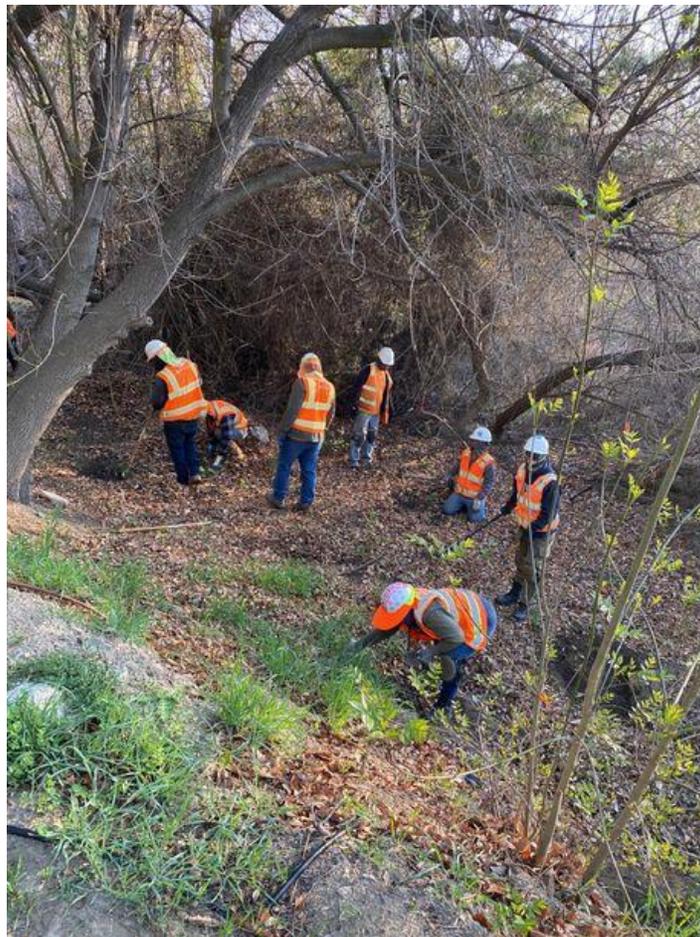
### **Log Entry**

0650 - arrive on site 0650 - begin pre-con survey 0715 - begin restoration monitoring 1245 - observed LEGO building nest (LEGO-2020-1) 1400 - end restoration monitoring

### **Log Entry - Photos taken?**

Yes

### **Log Entry Photo A**



**Log Entry Photo B**



**Log Entry Photo C**



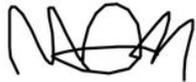
**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to be the name 'NOM' or similar, written in a stylized, cursive font.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/26/2020 8:39 AM

## Date

Feb 25, 2020

## Monitor Name

Kent Hughes

## Are Additional Monitors Present?

No

## List Additional Monitors Present

## Start Time

07:00

## Start Temperature

41

## Start Cloud Cover

0

## Start Wind Speed

0

**End Time**

15:30

**End Temperature**

84

**End Cloud Cover**

0

**End Wind Speed**

0

**Construction Activity and Personnel**

12 persons clearing planted areas of non-native vegetation.

**What type of monitoring is being conducted?**

Restoration Monitoring

**Covered Species Observed?**

No

**Which species were observed?**

N/A

**Were any least Bell's Vireo detected?**

No

**Include details of any least Bell's Vireo detected?**

N/A

**Other Wildlife Species Observed**

Cottontail, parrots, California towhee, common raven, California scrub jay

**Were Any Non-compliance Issues Observed?**

No

**Please State What Non-compliance Issues Occurred:**

N/A

**Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

**Log Entry**

A. Crew weeding. B. Crew weeding again. C. New growth on willow cutting 2 weeks after planting. D. Irrigation control box filled with soil by ants.

**Log Entry - Photos taken?**

Yes

**Log Entry Photo A**



**Log Entry Photo B**



**Log Entry Photo C**



**Log Entry Photo D**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

Signature

A handwritten signature in black ink, appearing to read "Kas Hight". The signature is written in a cursive style with a prominent vertical stroke on the right side.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/28/2020 7:52 AM

## Date

Feb 26, 2020

## Monitor Name

Kent Hughes

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

37

## Start Cloud Cover

0

## Start Wind Speed

0

## End Time

15:30

## End Temperature

79

## End Cloud Cover

0

**End Wind Speed**

0

**Construction Activity and Personnel**

13 persons clearing planted areas of non-native vegetation.

**What type of monitoring is being conducted?**

Restoration Monitoring

**Covered Species Observed?**

No

**Which species were observed?**

N/A

**Were any least Bell's Vireo detected?**

No

**Include details of any least Bell's Vireo detected?**

N/A

**Other Wildlife Species Observed**

California thrasher, California towhee, common raven, California scrub jay, Nuttall's woodpecker

**Were Any Non-compliance Issues Observed?**

No

**Please State What Non-compliance Issues Occurred:**

N/A

**Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

A. Crew weeding. B. Crew weeding again.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to read "Kurt Nyberg". The signature is written in a cursive, flowing style with some loops and flourishes.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/28/2020 7:57 AM

## Date

Feb 27, 2020

## Monitor Name

Kent Hughes

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

42

## Start Cloud Cover

0

## Start Wind Speed

0

## End Time

15:30

## End Temperature

83

## End Cloud Cover

0

**End Wind Speed**

0

**Construction Activity and Personnel**

13 persons clearing planted areas of non-native vegetation.

**What type of monitoring is being conducted?**

Restoration Monitoring

**Covered Species Observed?**

No

**Which species were observed?**

N/A

**Were any least Bell's Vireo detected?**

No

**Include details of any least Bell's Vireo detected?**

N/A

**Other Wildlife Species Observed**

California thrasher, California towhee, common raven, California scrub jay

**Were Any Non-compliance Issues Observed?**

No

**Please State What Non-compliance Issues Occurred:**

N/A

**Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

A. Crew weeding. B. Crew weeding again.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to be "K. A. W. B. /". The signature is written in a cursive, somewhat stylized font.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 02/29/2020 5:14 PM

## Date

Feb 28, 2020

## Monitor Name

Kent Hughes

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

07:00

## Start Temperature

54

## Start Cloud Cover

26

## Start Wind Speed

0

## End Time

15:30

## End Temperature

83

## End Cloud Cover

0

**End Wind Speed**

0

**Construction Activity and Personnel**

13 persons clearing planted areas of non-native vegetation.

**What type of monitoring is being conducted?**

Restoration Monitoring

**Covered Species Observed?**

No

**Which species were observed?**

N/A

**Were any least Bell's Vireo detected?**

No

**Include details of any least Bell's Vireo detected?**

N/A

**Other Wildlife Species Observed**

California thrasher, California towhee, common raven, California scrub jay, black phoebe

**Were Any Non-compliance Issues Observed?**

No

**Please State What Non-compliance Issues Occurred:**

N/A

**Did work activities occur outside predesignated work areas?**

No

**Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

A. Area DG-5A before clearing. B. Area DG-5A during clearing.

## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, appearing to be "K. A. H. J.", written in a cursive style.

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 03/02/2020 3:54 PM

## Date

Mar 2, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

06:45

## Start Temperature

54

## Start Cloud Cover

90

## Start Wind Speed

10-20

## End Time

14:49

## End Temperature

70

## End Cloud Cover

15

## **End Wind Speed**

3-5

## **Construction Activity and Personnel**

Nature's Image crew used hand tools, line trimmers and a steamer to remove weeds in the Devil's Gate Project restoration areas. Crew consisted of one foreman (Marvin) and 12 laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

NUWP, ACWP, AMCR, RSHA, RTHA, CORA, ANHU, HOFI, LEGO, CALT, CATH, SPTO, CAQU, CASJ, MODO, WEBL, MODO, BEWR, OATI, YRWA, WCSP,

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0645 - arrive on site and conduct pre-construction survey 0700 - coordinate with Marvin 0715 - begin monitoring 0900 - observed HOWR building nest in a willow tree cavity (HOWR-2020-1) 1445 - end restoration monitoring

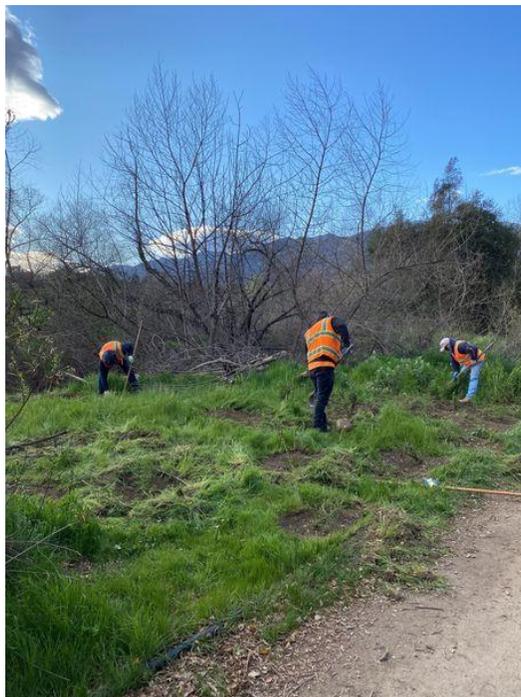
## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Log Entry Photo C**



**Log Entry Photo D**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of several stylized, overlapping loops and lines, positioned below the 'Signature' label.

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 3, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	43 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	82 °F	0-3 MPH	6 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas; 2 Persons eradicating weeds With steam.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow,

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

N/A

**Signature**





**photo\_1- Weeds eradicated by steam..jpg**  
-118.1724 34.19368



**photo\_2- Crew weeding..jpg**  
-118.17621 34.19179

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	38 °F	0-3 MPH	8 %
End of Day	15:30	82 °F	0-3 MPH	6 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons eradicating weeds with steam.

Did you observe any special-status species?  Yes  No

Were any least Bell's Vireo detected?  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow, spotted towhee

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

N/A

Signature





photo\_1. Before.jpg  
-118.17444 34.19146



photo\_2- After..jpg  
-118.17444 34.19147

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	39 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	78 °F	0-3 MPH	21 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons eradicating weeds with steam;  
Foreman: Marvin Sanchez

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow, common yellowthroat, Anna's hummingbird

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

No photos.

Signature



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 6, 2020**

	<b>Time</b>	<b>Temperature (°F)</b>	<b>Wind Range (MPH)</b>	<b>Cloud Cover (%)</b>
<b>Start of Day</b>	07:00	39 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	78 °F	0-3 MPH	21 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons eradicating weeds with steam;  
Foreman: Marvin Sanchez

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow, common yellowthroat, Anna's hummingbird

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

N/A

**Additional Comments**

N/A

Signature





**photo\_1-nonnative plant removal.jpg**  
-118.17739 34.18872



**photo\_2-crew weeding.jpg**  
-118.17724 34.18773

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	09:00	55 °F	0-3 MPH	100 %
End of Day	15:30	67 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; Foreman: Ron Crawford

Did you observe any special-status species?  Yes  No

Were any least Bell's Vireo detected?  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow, common yellowthroat.

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Monitored vegetation clearing; 0900 - observed a pair of scrub jays collecting nesting material and carrying it to a mulefat/cottonwood thicket. They continued this activity throughout the day.

**Additional Comments**

N/A

Signature





**photo\_1 Crew clearing weeds..jpg**  
-118.17428 34.19387



**photo\_2-Crew clearing weeds again..jpg**  
-118.17405 34.19408

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 12, 2020**

	<b>Time</b>	<b>Temperature (°F)</b>	<b>Wind Range (MPH)</b>	<b>Cloud Cover (%)</b>
<b>Start of Day</b>	07:00	55 °F	0-3 MPH	33 %
<b>End of Day</b>	03:30	67 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons steaming weeds. Foreman: Ron Crawford

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, California ground squirrel, white crowned sparrow, California thrasher.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored vegetation clearing; 0900 - observed a pair of scrub jays collecting nesting material and carrying it to a mulefat/cottonwood thicket. They continued this activity throughout the day.

**Additional Comments**

N/A

**Signature**





photo\_ Weeding..jpg  
-118.17416 34.19399



photo\_2 More weeding.jpg  
-118.17214 34.19369



photo\_3- Contrast between area "steamed" (left) and area left untouched by any weeding method (right).jpg  
-118.17223 34.19358

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	47 °F	0-3 MPH	50 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	40 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

13 persons clearing non-native species (weeds) from planted areas

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, common yellowthroat, Say's phoebe, red-tailed hawk

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**Photo crew weeding.JPG**  
-118.17323 34.19346

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	41 °F	0-3 MPH	0 %
<b>End of Day</b>	03:30	67 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons steaming weeds. Foreman: Ron Crawford

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, California ground squirrel, California thrasher.

**Did You Observe any Non-Compliance Issues?**  Yes  No

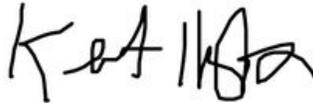
**Log Entry**

Monitored vegetation clearing, weed steaming.

**Additional Comments**

N/A

**Signature**





**Photo 1: Crew Removing Weeds**  
-118.17318 34.19393



**Photo 2: Weed Steaming Equipment**  
-118.17294 34.19395

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	39 °F	0-3 MPH	17%
<b>End of Day</b>	15:30	78 °F	0-3 MPH	100%

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

19 persons clearing non-native species (weeds) from planted areas (7 forepersons); 2 persons eradicating weeds with steam

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, white-crowned sparrow, common yellowthroat, Anna's hummingbird, Say's phoebe, red-tailed hawk

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**





photo\_1-crew at work.jpg  
-118.17331 34.1935



photo\_2-weed steamers at work.jpg  
-118.17227 34.19384

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max Murray**  
**Date of Log: March 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	48 °F	0-1 MPH	80%
<b>End of Day</b>	12:51	63 °F	1-3 MPH	90%

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew using hand tools to remove pepper weed in DG-4. Crew consisted of 9 laborers and one foreman (Ron).

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

SPTO, CATH, desert cottontail, CASJ, ACWO, ANHU, red-crowned parrot, CALT, coyote, HOFI, CANG, BEWR, SOSP, COYE, WCSP, YRWA, LEGO, NUWO, RCKI, OATI, BUSH, WEBL, MODO, AMCR, CORA, EUST, Dryobates sp., AMCO, HOWR, RTHA, RSHA

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630 - arrive on site, coordinate with Alexandra Dorough (shadow)  
0645 - coordinate with Ron (Natures Image) about planned work for the day. Begin pre-construction clearance  
0700 - begin restoration monitoring  
0830 - Recorded CALT-1 nest  
1000 - update BUSH-2 and BUSH-1  
1250 - end monitoring

**Additional Comments**

**Signature**





**Photo\_1- Pepper weed clearance**  
34.1904095, -118.1750121



**Photo\_2- Pepper weed haul out**  
34.1903047, -118.1747788

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	47 °F	0-3 MPH	50 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

13 persons clearing non-native species (weeds) from planted areas

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, white-crowned sparrow, common yellowthroat, Say's phoebe, red-tailed hawk

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**photo\_1- Crew weeding.jpg**  
-118.17506 34.19035



**photo\_2- Crew weeding again.jpg**  
-118.17502 34.19064

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	35 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	33 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

13 persons clearing non-native species (weeds) from planted areas

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, parrots, white-crowned sparrow, Say's phoebe, California thrasher

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**photo\_1- Weeding activities.jpg**  
-118.17527 34.19105



**photo\_2- Weeding activities.jpg**  
-118.1753 34.19095

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 27, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	35 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	47 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

13 persons clearing non-native species (weeds) from planted areas

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, yellow-rumped warbler, Say's phoebe, California thrasher, California scrub jay, turkey vulture

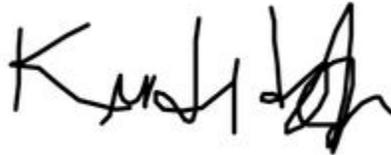
**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**photo\_1- Current day's work site.jpg**  
-118.17332 34.19358



**photo\_2- Crew and equipment preparing to begin day's work.jpg**  
-118.17332 34.19358

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	37 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	47 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

3 persons clearing non-native species (weeds) from Area DG-3; 2 persons steaming weeds.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, red-tailed hawk, California scrub jay

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**photo\_1- Weeding crew at work.jpg**  
-118.173423 34.186479



**photo\_2- Steaming weeds.jpg**  
-118.17326 34.19334

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 31, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	42 °F	0-3 MPH	15 %
<b>End of Day</b>	15:30	60 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing

Did you observe any special-status species?  Yes  No

Were any least Bell's Vireo detected?  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, Say's phoebe, California thrasher, California scrub jay, parrots, house finch, California quail, song sparrow

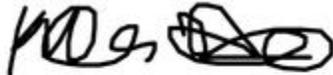
Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**photo\_1- Weed clearance.jpg**  
-118.17261 34.1943



**photo\_2- More weed clearance.jpg**  
-118.17255 34.19429