

# **Annual Status Report 2020**

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## **Devil's Gate Reservoir Restoration Project**

### **Prepared for:**

Mr. Tae Uk (Mark) Gim  
Los Angeles County Public Works  
Stormwater Engineering Division  
900 South Fremont Avenue  
Alhambra, California 91803

### **Submitted to:**

Dr. David Lin  
California Department of Fish & Wildlife/R5  
4665 Lampson Avenue, Suite C  
Los Alamitos, California 90720

### **Prepared by:**

ECORP Consulting, Inc.  
2861 Pullman Street  
Santa Ana, California 92705

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## **1.0 INTRODUCTION**

### **1.1 Purpose**

This Annual Status Report (ASR) was prepared to document the activities that occurred at the Devil's Gate Reservoir Restoration Project (Project) site located in the City of Pasadena in Los Angeles County, California during the second year of Project Activities (January 2020 through December 2020). This ASR satisfies Condition 6.8 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 6.8 in the ITP states:

"Permittee shall provide CDFW with an Annual Status Report (ASR) initiating no later than July 31, 2018, and continuing every 12 months with issuance of this ITP and continuing for Term of this ITP, unless an altered frequency is approved before hand in writing by CDFW (e.g., email, letter, or fax). Each ASR shall include, at a minimum: (1) a summary of all Quarterly Compliance Reports for that year identified in Condition of Approval 6.7; (2) a general description of the status of the Project Area and Covered Activities, including actual or projected completion dates, if known; (3) a copy of the table in the MMRP with notes showing the current implementation status of each mitigation measure; (4) an assessment of the effectiveness of each completed or partially completed mitigation measure in avoiding, minimizing and mitigating Project impacts; (5) all available information about Project-related incidental take of the Covered Species; (6) an accounting of the number of acres subject to both interim and permanent disturbance, both for the prior calendar year, and a total since ITP issuance; and (7) information about other Project impacts on the Covered Species."

This is the second ASR submitted in accordance with ITP Condition number 6.8. This report covers activities that were conducted at the Project site between January 1, 2020 and December 31, 2020. All Quarterly Compliance Reports prepared to cover the second ASR reporting period per Condition 6.7 of the ITP are included in Appendix A.

## **2.0 PROJECT STATUS**

### **2.1 Project Area**

Covered activities that occurred during the second ASR reporting period were related to sediment removal activities, including Project access and staging, vegetation removal, potholing, and sediment removal within the boundaries of the Initial Sediment Removal Area (ISRA). Table 1 provides a summary of the acreage for the entire Project that were impacted during the initial vegetation removal during the first ASR reporting period. These areas are depicted in Figure 1.



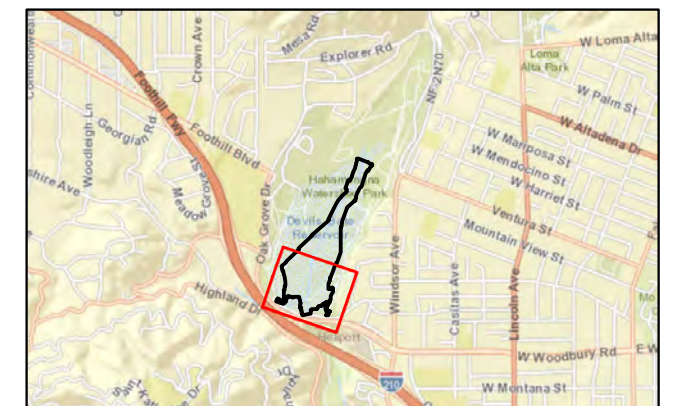


**Figure 1.**  
**Project Impact Limits**  
**Sheet Page 1 of 3**

**Map Features**

- Additional Impact Area Outside Clearing and Grubbing Limits
- Vegetation Removal per Final Design Plans (Clearing and Grubbing Limits)
- Vegetation Removal per Final Design Plans (Clearing and Grubbing Limits) at Altadea Drain
- Permitted Initial Sediment Removal Area

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community







Location: N:\2014\2014-003.008 Devils Gate Mitigation Plan\MapSVos\_and\_mitigation\_monitoring\monitoring\2018\_Sediment\_Removal\VDG\_Veg\_Clearing\_detail\_2020\209.mxd (MAG-nguidry 12/17/2020)

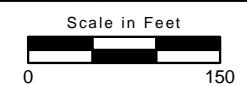
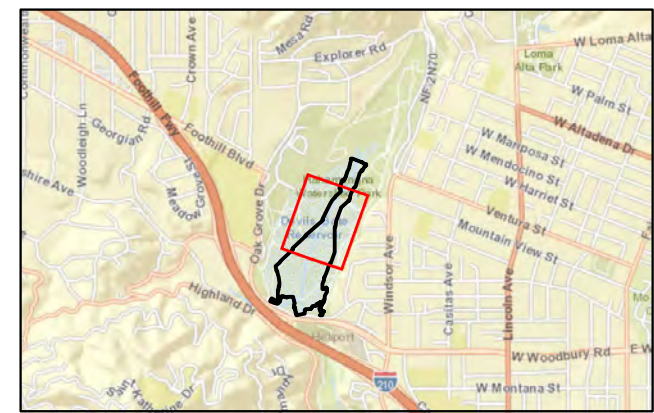


**Figure 1.**  
**Project Impact Limits**  
**Sheet Page 2 of 3**

**Map Features**

-  Vegetation Removal per Final Design Plans (Clearing and Grubbing Limits)
-  Permitted Initial Sediment Removal Area

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community









**Figure 1.**  
**Project Impact Limits**  
**Sheet Page 3 of 3**

**Map Features**

-  Vegetation Removal per Final Design Plans (Clearing and Grubbing Limits)
-  Permitted Initial Sediment Removal Area

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





The ISRA encompasses 51.35 acres of temporary and permanent impact areas and the additional temporary impact areas located around the perimeter of the ISRA and at Altadena Drain include 2.19 acres. Details about the vegetation removal around the perimeter were described in a memo appended to the Fourth Quarter Compliance Report for 2018 and included in the first ASR. The boundary of the Routine Annual Maintenance Area (RAMA), where permanent impacts will occur from annual sediment removal activities was reduced in 2020 as a result of the final settlement agreement. The terms agreed upon in the final settlement agreement include the conversion of some permanent impact areas in the RAMA to temporary impact areas. Details of the final settlement agreement and an application for an amendment to the Streambed Alteration Agreement (SAA) have been submitted to the CDFW. The amendment is expected to be finalized in 2021 so the 2021 ASR will provide the details on the changes to the Project resulting from the results of the legal settlement.

<b>Table 1. Summary of Initial Sediment Removal Area Activities</b>	
<b>Initial Sediment Removal Area</b>	<b>Acres Impacted</b>
Initial Sediment Removal Area	51.35
Temporary Impacts Around Perimeter	1.12
Temporary Impacts at Lower Altadena Drain	0.95
Temporary Impacts Outside of Permitted Boundary and Outside of Clearing and Grubbing Limits	0.12
<b>Total Impacts</b>	<b>53.54</b>

Covered activities that occurred during the second ASR reporting period also included onsite habitat restoration activities within the onsite mitigation areas. Table 2 provides a summary of the mitigation areas included in Phase 1 of the habitat restoration, associated acreages, and associated vegetation communities of onsite restoration activities that were completed in February 2020. The approved mitigation areas are depicted on Figure 2. The Phase 1 Mitigation Site As-Built Report is included as Appendix B.

Table 2. Summary of Phase 1 Mitigation Areas				
Restoration Area	Area Restored During Phase 1 (Acres)	Temporary Impacts Around Perimeter (Acres) <sup>1</sup>	Total Acres	Vegetation Communities
DG-1 (seeding only)	4.48	0.27	4.75	<i>Eriogonum fasciculatum</i> Shrubland Alliance <i>Lepidospartum squamatum</i> Shrubland Alliance
DG-1 WOUS (seeding only)	0.11	0.00	0.11	<i>Lepidospartum squamatum</i> Shrubland Alliance/ <i>Baccharis salicifolia</i> Shrubland Alliance
DG-2A	0.10	0.00	0.10	<i>Baccharis salicifolia</i> Shrubland Alliance
DG-2B	0.38	0.00	0.38	<i>Baccharis salicifolia</i> Shrubland Alliance
DG-3A	0.92	0.22 <sup>2</sup>	1.14	<i>Quercus agrifolia</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance
DG-4	26.64	0.43	27.07	<i>Salix gooddingii</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance <i>Artemisia californica</i> - <i>Eriogonum fasciculatum</i> Shrubland Alliance
DG-4B	0.54	0.00	0.54	<i>Baccharis salicifolia</i> Shrubland Alliance
DG-4C	0.45	0.00	0.45	<i>Salix gooddingii</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance
DG-5	0.26	0.00	0.26	<i>Salix gooddingii</i> Woodland Alliance
Total Acres			34.80 <sup>3</sup>	

<sup>1</sup> These areas will be restored following the completion of the side slopes configuration<sup>2</sup> This includes 0.03 acres of temporary impact areas around the perimeter and 0.20 acres of staging areas that will be restored following Project completion.<sup>3</sup> Total may vary slightly from Phase 1 As-built and LSAA Amendment as the As-built will be refined in early 2021 in conjunction with As-built for Phase 2.







Figure 3 shows additional habitat restoration activities initiated in a portion of the Phase 2 mitigation areas during the second ASR reporting period. The Phase 2 restoration areas primarily consist of the creation or restoration of Waters of the U.S. (WOUS) to satisfy the mitigation requirements of the Section 404 Permit from the U.S. Army Corp of Engineers. These activities included:

- removal of sediment from Johnson Field (DG-W-1) and the contouring of the channel and swale in Johnson Field;
- grading of two new channels (DG-2 New Channels) through mitigation area DG-2;
- widening of the existing channel (DG-2 WOUS) that runs on the east side of DG-2;
- grading of the new meandering channel through the Mining Pit (DG-W-2);
- grading of the channel connecting the Mining Pit with the channel running through mitigation area DG-4; and,
- recontouring of a portion of one of the channels in mitigation area DG-4 WOUS.

Additional activities associated with the restoration in the Phase 2 areas included non-native plant removal prior to the grading, irrigation system installation, and other site preparation such as digging holes for container plants. These activities are described in more detail in Section 2.3 below. Container planting will be implemented in early 2021. The as-built report for the Phase 2 areas will be completed in early 2021 after all the areas have been planted.



Location: N:\2014\2014-003.008 Devils Gate Mitigation Plan\WAPS\restoration\analysis\2020-09-15 Restoration\_Grading\DC\_Restoration\_Phasing\_20200918.mxd (MAG-nguldry 3/16/2021)



**Figure 3. Devil's Gate Reservoir  
Restoration Project Restoration Phasing**

**Map Features**

□ Final Design Boundary

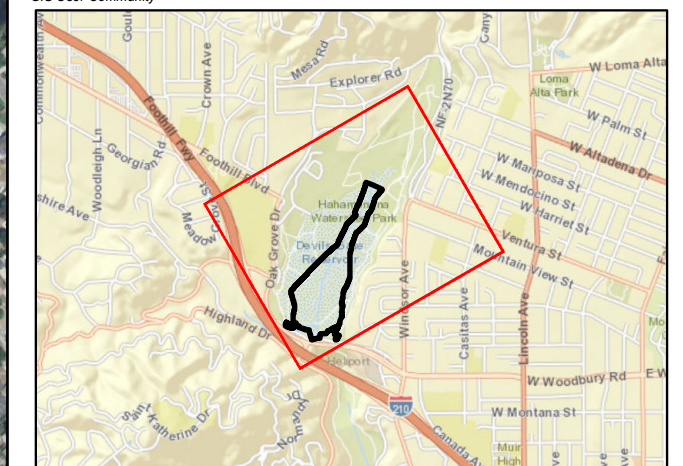
Restoration Phasing

■ Phase 1 - Completed

■ Future Phase 2

■ Future Phase 3

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## 2.2 Project Activities

The following Project activities were conducted onsite during the second ASR reporting period:

- Sediment removal-related Project activities (including site preparation activities) began on May 20, 2020 and continued through November 25, 2020.
- Environmentally Sensitive Area fencing was installed along the ISRA boundary.
- Site preparation activities including the installation of truck scales and a scale house, and the preparation of a staging area for water tanks and heavy equipment were conducted.
- Access roads to enter the reservoir at the eastern end and exit the reservoir at the western end were refined and maintained throughout the sediment removal period.
- Potholing took place at various designated locations within the ISRA boundary to test soil moisture levels.
- Sediment removal hauling activities began on June 4, 2020. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators and front loaders.
- Small areas of emergent vegetation were cleared using front loaders, skippers, and excavators in preparation for hauling activities, expansion of hauling routes within the site boundaries, and preparing the site for the winter storms. All areas were surveyed for nesting bird activity prior to removal. All vegetation removal was within the ISRA boundaries and monitored by the Designated Biologist onsite.
- Sediment removal hauling activities were completed for the season on November 20, 2020.
- Between November 25, 2020 and December 15, 2020, the construction contractor completed restoration grading activities to support onsite habitat restoration areas (see Section 2.3 below).
- Project demobilization activities occurred from December 15 through December 23, 2020.
- The Project is currently ahead of schedule and the projected completion date for Project hauling activities is November of 2021.

## 2.3 Habitat Restoration Activities

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

- Onsite habitat restoration activities resumed on January 2, 2020 and continued through December 31, 2020.
- Implementation of habitat mitigation was conducted according to the Final Habitat Restoration Plan (HRP) for the Project (dated November 2018), which addresses the impact areas associated with the Project and the onsite compensatory mitigation areas at the Project site. The Phase 1 Mitigation Site As-Built Report is included as Appendix B.

- During the first quarter of 2020, 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. Irrigation systems were installed in DG-4 in preparation for the installation of willow stakes and mulefat cuttings. Willow cuttings were harvested and installed according to the Final Habitat Restoration Plan for the Project and City of Pasadena Permit PW-11-19.
- During the first quarter of 2020 container plants were installed in DG-3A, in accordance with the HRP. The container planting effort was completed on February 13, 2020. Holes for container plants were hand-dug. Container plants installed included the following species: California mugwort (*Artemisia douglasiana*), coyote brush (*Baccharis pilularis*), Freemont's cottonwood (*Populus fremontii*), California wildrose (*Rosa californica*), California blackberry (*Rubus ursinus*), red willow (*Salix laevigata*), and blue elderberry (*Sambucus nigra* ssp. *caerulea*). A summary of the species and numbers of container plants installed during this period is provided in Appendix B.
- Implementation of habitat restoration for Phase 1 was conducted in mitigation areas DG-1, DG-1 WOUS, DG--2A, DG-2B, DG-3A, DG-4, DG-4B, DG-4C, and DG-5 and was completed on February 13, 2020. A total of six vegetation communities were included in the Phase 1 habitat restoration effort including Mulefat Thickets (*Baccharis salicifolia* Shrubland Alliance), Black Willow Thickets (*Salix gooddingii* Woodland Alliance), Coast Live Oak Woodland (*Quercus agrifolia* Woodland Alliance), California Buckwheat Scrub (*Eriogonum fasciculatum* Shrubland Alliance), Scale Broom Scrub (*Lepidospartum squamatum* Shrubland Alliance), and California Sagebrush – California Buckwheat Scrub (*Artemisia californica*-*Eriogonum fasciculatum* Shrubland Alliance).
- Follow-up weed abatement efforts commenced immediately following the completion of the initial weed abatement effort and were ongoing for the Phase 1 mitigation areas through the second ASR reporting period. In addition, weed abatement efforts for the Phase 2 mitigation areas commenced in March of 2020 and were ongoing through the Year 2 ASR reporting period. Maintenance and pre-planting nonnative and invasive plant removal was conducted using a combination of hand-pulling, weed whips, shovels, hula hoes, and rakes. Species targeted during nonnative and invasive plant removal included: sticky snakeroot (*Ageratina adenophora*), tree of heaven (*Ailanthus altissima*), pigweed (*Amaranthus albus*), arundo (*Arundo donax*), wild oat (*Avena fatua*), black mustard (*Brassica nigra*), ripgut brome (*Bromus diandrus*), red brome (*Bromus madritensis* ssp. *rubens*), cheatgrass (*Bromus tectorum*), Italian thistle (*Carduus pycnocephalus*), totalote (*Centaurea melitensis*), lamb's quarters (*Chenopodium album*), bull thistle (*Cirsium vulgare*), poison hemlock (*Conium maculatum*), feathered geranium (*Dysphania botrys*), Jesuit's tea (*D. ambrosioides*), clammy goosefoot (*D. pumilio*), hairy fleabane (*Erigeron bonariensis*), red-stemmed filaree (*Erodium cicutarium*), common fig (*Ficus carica*), French broom (*Genista monspessulana*), short podded mustard (*Hirschfeldia incana*), foxtail barely (*Hordeum murinum*), common barley (*Hordeum vulgare*), prickly lettuce (*Lactuca serriola*), perennial pepperweed (*Lepidium latifolium*), horehound (*Marrubium vulgare*), yellow sweetclover (*Melilotus indicus*), tree tobacco (*Nicotiana glauca*), Rose evening primrose (*Oenothera rosea*), Virginia creeper vines

(*Parthenocissus quinquefolia*), common passion flower (*Passiflora caerulea*), smilgrass (*Piptatherum miliaceum*), Indian plantain (*Plantago arenaria*), wild radish (*Raphanus sativus*), castor bean (*Ricinus communis*), Himalayan blackberry (*Rubus armeniacus*), curly dock (*Rumex crispus*), Russian thistle (*Salsola tragus*), London rocket (*Sisymbrium irio*), black nightshade (*Solanum nigrum*), and prickly sow thistle (*Sonchus asper*). Small eucalyptus trees (*Eucalyptus* sp.) and eucalyptus tree stumps were cut back using chainsaws. Pulled plants were removed from restoration sites daily and placed into onsite dumpsters that were emptied regularly.

- In the first quarter of 2019, the Los Angeles County Board of Supervisors placed a moratorium on the use of glyphosate at all County facilities until further notice and the moratorium was still in place at the time of this ASR preparation. No herbicide was applied during the period described in the second ASR.
- 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.
- Irrigation systems were maintained at existing on-site restoration areas throughout the second ASR reporting period.
- Implementation of restoration earthwork activities for the Phase 2 mitigation areas commenced on October 7, 2020 for mitigation areas DG-2, DG-2 New Channels, DG-2 WOUS, DG-W-1 (Johnson Field), DG-W-2 (Mining Pit), DG-W-2 (Mining Pit Outlet), DG-4 WOUS, and DG-4 WOUS Connections. On October 7, 2020, Griffith began removing vegetation in preparation for grading and recontouring the Phase 2 mitigation areas according to the Final Design Plans for the Project. The purpose of the grading and recontouring was to create new channels and to direct water-flow in a way that will support riparian habitats in the mitigation areas. The grading and recontouring of the restoration areas was deemed complete by the County on December 15, 2020.
- Immediately following the completion of the earthwork activities in the Phase 2 mitigation areas, installation of the irrigation line commenced and was ongoing throughout the remainder of the second ASR reporting period.

### 3.0 LEAST BELL'S VIREO SURVEYS

#### 3.1 Preconstruction Surveys

Per Condition 7.3.2 of the ITP, preconstruction surveys for least Bell's vireo (*Vireo bellii pusillus*) 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 three surveys occurring during the week prior to the initiation of activities (and the final survey occurring 24 hours before). Due to several iterations of postponement of the official start date of Project activities, a

total of 18 preconstruction least Bell's vireo surveys were conducted between March 16 and May 19, 2020. Surveys were conducted by Designated Biologists approved by CDFW and the U.S. Fish and Wildlife Service (USFWS).

Prior to the start of Project activities on May 20, 2020, a single breeding pair of least Bell's vireos was documented within 500 feet of the Project site during preconstruction surveys conducted during the 2020 breeding season. As of May 19, 2020, the pair was observed engaging in nest-building activities within the onsite habitat restoration area. A 300-foot no-work buffer was established around the nest location and enforced by Designated Biologists. Habitat restoration activities were not conducted within the buffer and no construction-related activities occurred or had the potential to occur within the buffer. The 300-foot buffer remained in place around the nesting location until the nesting cycle was complete, the fledglings were independent of the pair, and no additional signs of nesting were observed by the Designated Biologist. Upon approval from USFWS received on September 22, 2020, the buffer around the nest location was lifted. No other observations of least Bell's vireo were documented elsewhere on the Project site during the focused least Bell's vireo preconstruction surveys. The preconstruction least Bell's vireo survey report was included as an Appendix to the Second Quarter Compliance Report for 2020 included in Appendix A.

### **3.2 Breeding Season Surveys**

Per Condition 7.3.4 of the ITP, weekly breeding season surveys for least Bell's vireo 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). After the completion of the preconstruction surveys, twice-weekly focused surveys began and continued through the end of the breeding season (September 15) during the second ASR reporting period. Surveys were conducted by Designated Biologists approved by CDFW and USFWS. A total of 36 focused breeding season least Bell's vireo surveys were conducted during the 2020 breeding season.

The least Bell's vireo breeding pair that was documented during preconstruction surveys was also observed during focused breeding surveys conducted during the 2020 breeding season. The least Bell's vireo nest that was documented during preconstruction surveys was observed to be in the incubation stage during the survey conducted on May 21, 2020. During the survey conducted on June 8, 2020 four least Bell's vireo nestlings approximately 7 to 8 days old were observed within the nest. During the survey conducted on June 12, 2020 the nestlings were observed to have fledged and fledglings were heard nearby. During surveys conducted between June 15 and June 29, 2020 the family group was observed with both parents feeding begging fledglings. The family group remained onsite throughout the breeding season and was last observed during the focused survey conducted on August 28, 2020, at which point it is believed that the group departed the site for the season. No other observations of least Bell's vireo were documented elsewhere on the Project site during the focused breeding season surveys during the 2020 breeding season. The least Bell's vireo breeding season survey reports were included as appendices to the First, Second, and Third Quarter Compliance Reports for 2020, included in Appendix A.

## **4.0 ADHERENCE TO ITP CONDITIONS**

All provisions in the ITP were adhered to during Project activities conducted during the second ASR reporting period. No non-compliances occurred during the second ASR reporting period. No direct or indirect take of listed species or Covered Species occurred during this reporting period.

## **5.0 MITIGATION MONITORING AND REPORTING PROGRAM (MMRP)**

### **5.1 MMRP Implementation Status**

Per Condition 6.8 of the ITP, Table 3 lists the Mitigation Monitoring and Reporting Program (MMRP) 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 3. 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
BIOLOGICAL RESOURCES							
MM BIO – 1: 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		11/28/2018 – 12/31/2020	A qualified biologist was present during all initial vegetation-disturbing project-related activities during the second ASR reporting period. See Quarterly Compliance Reports presented in Appendix A which provide tables of qualified biologists present on each day during the reporting period. This measure was completed during the first ASR reporting period and will be repeated as required for the duration of the Project.
MM BIO – 2: 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		11/28/2018 - 12/31/2020	Due to the COVID-19 situation, the initial 2020 worker education training was provided for project personnel to view electronically prior to the start of Project activities on May 20, 2020. Personnel were required to certify under penalty of perjury that they had viewed and understood the training materials in their entirety. Additional trainings were provided on an as needed basis to new project personnel afterwards during the second ASR reporting period. This measure was completed during the second ASR reporting period and will be repeated annually for the duration of the Project.



Table 3. 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>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 (CNDDB) field data sheet and submitted to CDFW for inclusion into the CNDDB.	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Pre-Sediment Removal; Sediment Removal; Reservoir Management	Los Angeles County Flood Control District	Less than significant		11/01/2018 - 11/27/2018, 3/15/2019 - 4/14/2019 3/16/20 – 5/19/20	Preconstruction surveys for sensitive species and least Bell's vireo were conducted prior to the initiation of project activities in the second ASR reporting period. Preconstruction breeding season surveys for least Bell's vireo were conducted 30 days prior to the initiation of ground disturbing activities within the Reservoir during the breeding season. The preconstruction breeding season least Bell's vireo survey report was provided as an attachment to the Second Quarter Compliance Report for 2020 included in Appendix A. This measure was completed during the first ASR reporting period and will be repeated as required for the duration of the Project.
<b>MM BIO – 4:</b> LACFCD, in consultation with a qualified biologist, will employ bird exclusionary measures (e.g., mylar flagging) prior to the start of bird breeding season to prevent birds nesting within established boundaries of the project.  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.  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.	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		3/15/2019 - 4/14/2019 3/16/20 – 5/19/20	No bird exclusionary measures were implemented during the second ASR reporting period. Preconstruction surveys for nesting birds started 30 days prior to the initiation of ground-disturbing activities inside the reservoir which occurred on May 20, 2020. Active bird nests within 300 feet of the Project site were documented and appropriate no-work buffers were established. Designated Biologists monitored construction activities daily when ground disturbance occurred during the nesting season.

Table 3. 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
							Monitoring of active bird nests continued through the end of the nesting bird season during the third quarter of 2020. This measure was completed during the first ASR reporting period and will be repeated as required for the duration of the Project.
<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 prepare a summary report for LACFCD.</p>	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		11/06/2018 – 11/08/2018	Preconstruction bat surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. The Preconstruction bat survey report was transmitted directly to CDFW. No surveys related to this measure were required during 2020. This measure was completed during the first ASR reporting period and will be repeated as required for the duration of the Project.
<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>	Reservoir Management <ul style="list-style-type: none"> <li>Prepare Habitat Restoration Plan</li> <li>Identify/Map Mitigation</li> </ul>	Reservoir Management <ul style="list-style-type: none"> <li>Identify Reference Sites</li> <li>Conduct Qualitative and Quantitative Monitoring</li> </ul>	Los Angeles County Flood Control District	Less than significant		11/19/2018 – 12/31/2020	Restoration activities of Riversidean Alluvial Fan Sage Scrub habitat were initiated in November 2018 and were ongoing during

Table 3. 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>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.</li> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>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>	<ul style="list-style-type: none"> <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>					the second ASR reporting period. The Habitat Restoration Plan was prepared, mitigation sites were identified and mapped, plant materials and irrigation were installed, and an As-Built Report was prepared for Phase 1 restoration areas. The implementation of this measure was partially completed during the second ASR reporting period and is ongoing.

Table 3. 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
<p>annual quantitative monitoring and prepare annual monitoring reports until the established 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. Oak tree root protection zones were identified and delineated prior to the start of Project activities. The Habitat Restoration Plan was prepared, mitigation sites were identified and mapped, plant materials and irrigation were installed, and an As-Built Report was prepared for Phase 1 restoration areas. The implementation of this measure was partially completed during the first and second ASR reporting periods and is ongoing. No surveys related to this measure were required during the 2020 reporting period. Restoration activities were continued during the 2020 fourth 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</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> </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</li> </ul>	Los Angeles County Flood Control District	Less than significant		11/19/2018 – 12/31/2020	Restoration activities of riparian habitats, sensitive natural communities, and jurisdictional waters were initiated in November 2018 and were ongoing during the second ASR reporting period. The Habitat Restoration Plan was prepared, mitigation sites were identified and mapped,

Table 3. 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
<p>Fat Thickets), sensitive natural communities (Coastal Sage Scrub), and jurisdictional waters (federally protected wetlands).</p> <ul style="list-style-type: none"><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.<ul style="list-style-type: none"><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><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></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 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.<ul style="list-style-type: none"><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</li></ul></li></ul></li></ul>	<ul style="list-style-type: none"><li>Prepare As-Built Report</li><li>Conduct Maintenance</li><li>Prepare Monitoring Reports</li></ul>	<p>Reports</p> <ul style="list-style-type: none"><li>Prepare Annual Reports</li><li>Achieve Mitigation Site Sign- Off</li></ul>					plant materials and irrigation were installed, and an As-Built Report was prepared for Phase 1 restoration areas. The implementation of this measure was partially completed during the first and second ASR reporting period and is ongoing.

Table 3. 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
<div>sites.</div> <div><div><div>○ 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.</div><div>○ 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.</div></div><div><div>• 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.</div></div></div>							

\*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.



## 5.2 MMRP Effectiveness Evaluation

Per Condition 6.8 of the ITP, the effectiveness of each completed or partially completed mitigation measure in the MMRP in avoiding, minimizing, and mitigating Project impacts is assessed below. The precise wording of each measure is provided in Table 3 above.

### **MM BIO-1: Qualified Biological Monitor**

A qualified biological monitor (Designated Biologists approved by CDFW) was present during all initial ground-disturbing and vegetation-disturbing activities that occurred during the second ASR reporting period. This measure ensured that Designated Biologists were present to implement protection measures for sensitive biological resources and to monitor for additional species in harm's way. This measure was effective as written during the second ASR reporting period and ensured that impacts to biological resources were avoided and minimized, wildlife encountered during Project activities were relocated out of harm's way, and sensitive biological resources were protected during Project activities.

### **MM BIO-2: Worker Education Program**

A worker education program was prepared and delivered to all personnel that worked on the Project site during the second ASR reporting period. The worker education program included a PowerPoint presentation as well as educational handouts provided to each worker. Due to the COVID-19 situation, the 2020 initial worker education program was primarily delivered to workers electronically and remotely. However, workers were required to sign under penalty of perjury that they had viewed and understood the training materials and were given the opportunity to ask questions to the Designated Biologist onsite as necessary. This measure ensured that all personnel who worked on the Project during the second ASR reporting period were aware of the sensitive biological resources on the Project site, the measures required to protect those resources, and actions to take if those resources were encountered. The implementation of this measure provided for improved communication between Project personnel and the Designated Biologists to successfully protect biological resources during Project activities. This measure was effective as written during the second ASR reporting period.

### **MM BIO-3: Preconstruction Sensitive Wildlife Survey**

Preconstruction surveys for sensitive wildlife species, (including sensitive herpetofauna and least Bell's vireo), were conducted in accordance with the measure during the second ASR reporting period. Least Bell's vireo were observed during these surveys and a 300-foot no-work buffer was established around the least Bell's vireo breeding pair nest location. The 300-foot buffer was enforced by Designated Biologists and remained in place around the nesting location until the nest fledged, the fledglings were independent of the pair, and no additional signs of nesting were observed by the Designated Biologist. The implementation of these measures ensured that the breeding pair of least Bell's vireo were identified and protected during Project activities to ensure a successful nesting cycle. The implementation of these measures also ensured that other sensitive wildlife species were not present at the Project site prior to the start of Project activities, and as such, impacts to these species were avoided. This measure was effective as written during the second ASR reporting period.

**MM BIO-4: Preconstruction Nesting Bird Survey**

In consultation with the Designated Biologist, LACPW opted not to install bird exclusionary measures prior to the start of the breeding bird season during the second ASR reporting period as it was determined that the measures would not be a feasible means of preventing bird nesting around the Project boundary. Preconstruction nesting bird surveys were conducted in accordance with the measure during the second ASR reporting period. Numerous active bird nests were identified during preconstruction nesting bird surveys as well as during biological monitoring duties. Appropriate avoidance buffers were established by the Designated Biologist to ensure that impacts to active bird nests were avoided. This measure was effective as written during the second ASR reporting period.

**MM BIO-5: Preconstruction Bat Survey**

Preconstruction bat surveys were not conducted during the second ASR reporting period because no roosting bat habitat was to be affected during the second ASR reporting period. This measure was not necessary or implemented during the second ASR reporting period.

**MM BIO-6: Restoration of Riversidean Alluvial Fan Sage Scrub Habitat**

Restoration activities of Riversidean Alluvial Fan Sage Scrub (RAFSS) habitat were initiated during the first ASR reporting period and ongoing during the second ASR reporting period. The HRP was implemented during the second ASR reporting period. Phase 1 habitat restoration areas were planted and seeded during the first ASR reporting period and the As-Built Report for the Phase 1 areas was prepared (Attachment B) following the completion of Phase 1 habitat restoration implementation during the second ASR reporting period. Restoration of the RAFSS habitat is proceeding according to the HRP except for herbicide use during nonnative plant removal. The Los Angeles County Board of Supervisors placed a moratorium on the use of glyphosate at all County facilities until further notice and the moratorium is still in place. Due to this moratorium, all nonnative and invasive plant removal beginning on March 19, 2019 was conducted by hand, which has considerably slowed down the onsite restoration process. Decisions should be made soon concerning if and when herbicide use may be resumed. Restoration activities within the onsite mitigation areas helped to restore native vegetative cover and wildlife habitat near Project impacts. Overall, this measure was effective as written during the second ASR reporting period.

**MM BIO-7: City-Protected Tree Surveys**

Preconstruction City-protected tree surveys were conducted prior to the initiation of Project activities at the Project site. The requirement to replace impacted and removed canopy for native tree species at a 1:1 ratio was an effective way to mitigate for Project impacts to native tree species. Planting these trees within the onsite mitigation areas helped to restore native vegetative cover and wildlife habitat near Project impacts. Because the Fremont's cottonwood and coast live oak container plants used during restoration efforts were much smaller than the trees removed during Project activities, significantly more trees were planted than were removed. In addition, the planting areas for the native trees were larger than the acreage of the removed and impacted canopies. This measure was effective as written during the second ASR reporting period.



**MM BIO-8: Restoration and/or Enhancement of Riparian Habitats, Sensitive Natural Communities, and Jurisdictional Waters**

Restoration activities of riparian habitats (i.e. mulefat thickets and black willow thickets), sensitive natural communities, and jurisdictional waters were initiated during the first ASR reporting period and ongoing during the second ASR reporting period. The HRP continued to be implemented in the second ASR reporting period. Phase 1 habitat restoration areas were planted and seeded and the As-Built Report was prepared in the first ASR reporting period. Restoration of these habitats is proceeding according to the HRP except for herbicide use during nonnative plant removal. The Los Angeles County Board of Supervisors placed a moratorium on use of glyphosate at all County facilities until further notice and the moratorium is still in place. Due to this moratorium, all nonnative and invasive plant removal beginning on March 19, 2019 was conducted by hand, which has considerably slowed down the onsite restoration process. Decisions should be made soon concerning when herbicide use may be resumed. Restoration activities within the onsite mitigation areas helps to restore native vegetative cover and wildlife habitat near Project impacts. Overall, this measure was effective as written during the second ASR reporting period.

**5.3 Project-Related Incidental Take of the Covered Species**

Least Bell's vireos were observed at the Project site in 2020 and a successful nesting cycle by a breeding pair took place in the onsite habitat restoration areas. A 300-foot no-work buffer was established around an active least Bell's vireo breeding pair nest location. Habitat restoration activities were not conducted within the buffer and no construction-related activities occurred or had the potential to occur within the buffer. The 300-foot buffer remained in place around the nesting location until the nest fledged, the fledglings were independent of the pair, and no additional signs of nesting were observed by the Designated Biologist. As such, no Project-related incidental take of the Covered Species occurred during the second ASR reporting period.

**5.4 Project Impacts on the Covered Species**

No direct or indirect impacts on least Bell's vireo occurred during the second ASR reporting period. However, beneficial impacts to the least Bell's vireo habitat occurred as a result of the continued implementation of the HRP and completion of the installation of Phase 1 of the habitat restoration. The growth of native riparian plant species and removal of nonnative plant species has improved the habitat quality of the mitigation areas and will continue to improve the habitat as the plants mature. The habitat restoration activities have improved the habitat in the Phase 1 mitigation areas as evidenced by the nesting activities of least Bell's vireos in 2020.

## **LIST OF APPENDICES**

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Appendix A – Quarterly Compliance Reports (Quarter 1 2020 through Quarter 4 2020)

Appendix B – Phase 1 Mitigation Site As-Built Report

Quarterly Compliance Reports (Quarter 1 2020 through Quarter 4 2020)

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

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## **Submitted to:**

Dr. David Lin  
California Dept. of Fish & Wildlife/R5  
4665 Lampson Avenue, Suite C  
Los Alamitos, CA 90720

## **Prepared for:**

Mr. Tae Uk (Mark) Gim  
Los Angeles County Public Works  
Stormwater Engineering Division  
900 S. Fremont Avenue  
Alhambra, CA 91803

## **Prepared by:**

ECORP Consulting, Inc.  
2861 Pullman Street  
Santa Ana, CA 92705

**May 15, 2020**



**ECORP Consulting, Inc.**  
ENVIRONMENTAL CONSULTANTS

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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>Table 1. First Quarter 2020 Focused Breeding Season Least Bell's Vireo Survey Dates and Personnel.</b>	
<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>Table 2. First Quarter 2020 Preconstruction Least Bell's Vireo Survey Dates and Personnel.</b>	
<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*], ripgut 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
BIOLOGICAL RESOURCES							
MM BIO – 1: 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.
MM BIO – 2: 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.
MM BIO – 3: 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 (CNDDb) field data sheet and submitted to CDFW for inclusion into the CNDDb.	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).
MM BIO – 4: 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							
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
<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>	Specifications; Pre-Sediment Removal; Sediment Removal; Reservoir Management	Sediment Removal; Reservoir Management	Control District			3/16/20 - ongoing	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><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>	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		11/06/2018 – 11/08/2018	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.

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 forLACFCD. <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: <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>	Reservoir Management <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>	Reservoir Management <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
performance standards are achieved. <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>							
<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.	Pre-Sediment Removal; Sediment Removal; Reservoir Management <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>	Pre-Sediment Removal; Sediment Removal; Reservoir Management <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.
<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: <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>	Reservoir Management <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>	Reservoir Management <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.

<b>Table 1. Weather Conditions During Surveys</b>									
<b>Date</b>	<b>Surveyors*</b>	<b>Time</b>		<b>Temperature (°F)</b>		<b>Cloud Cover (%)</b>		<b>Wind Speed (mph)</b>	
		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).

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<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

**ATTACHMENT A**

Survey Datasheets

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**

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, parallel 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 a series of loops and strokes, positioned below the 'Signature' label.

## 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**

## 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, SOSP, 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

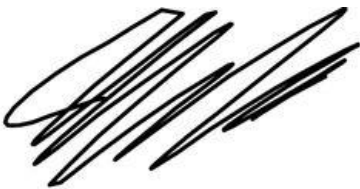
**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of several overlapping, slanted strokes that form a stylized, illegible mark.

## 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**

A handwritten signature in black ink, appearing to be 'C. M.' or similar, written in a cursive style.

## 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**

A handwritten signature in black ink, consisting of stylized, cursive letters.

## 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 'R. J. [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**

MDM



## 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 'NDH' with a stylized flourish.

## 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**

A handwritten signature in black ink, consisting of a stylized, cursive name followed by a vertical line.

## 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**

A handwritten signature in black ink, consisting of a stylized, cursive letter 'L' followed by a horizontal line.



## 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**

A handwritten signature in black ink, appearing to be 'Ron Crawford'.

## 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 'C' followed by a series of loops and a final flourish.

## 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 predesignated 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, appearing to be the letters 'NDM' 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. S.", written over a white background.



## 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.

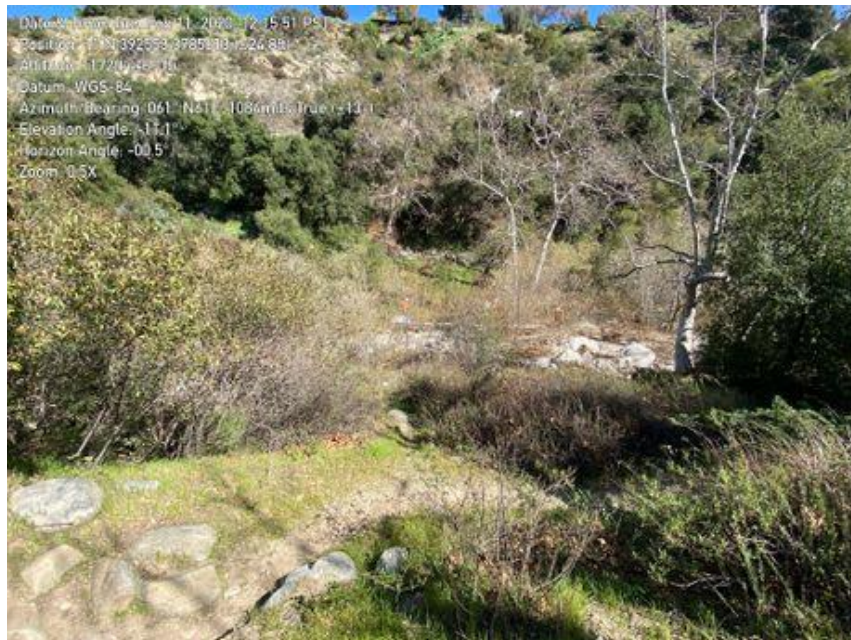
## Log Entry - Photos taken?

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." with a stylized flourish at the end.

## 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. H. M." or similar, 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**



## 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 'MOM' or similar, written in a stylized, cursive-like font.

## 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" or similar, 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?

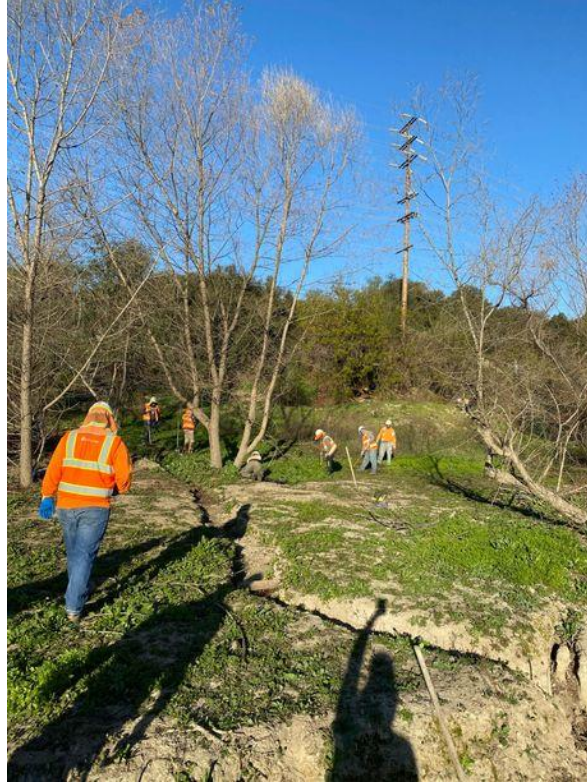
Yes

## 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**

NOA

## 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

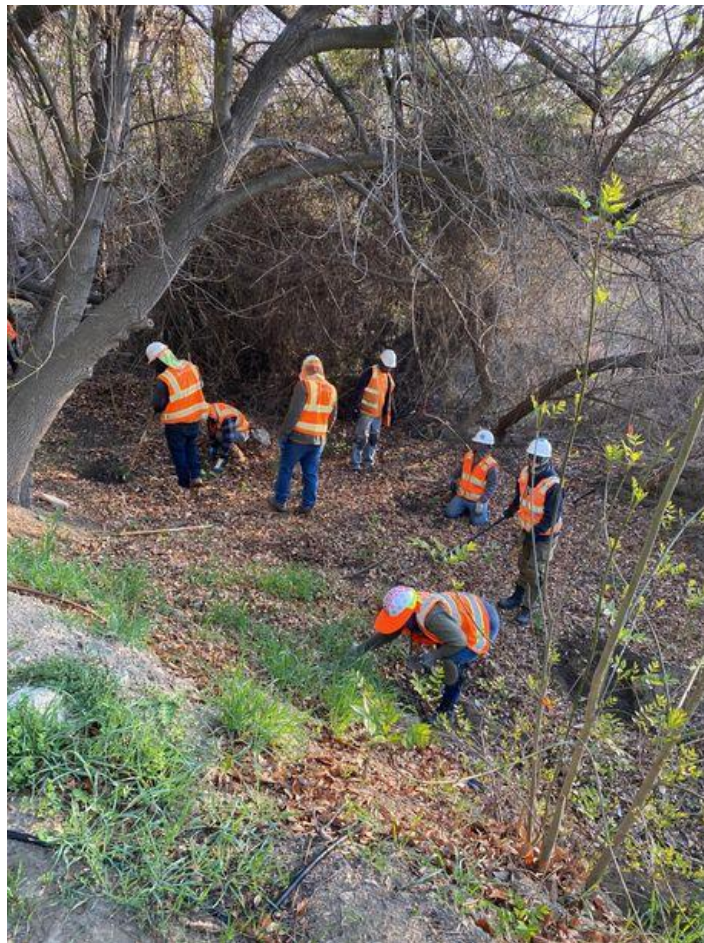
### **Log Entry**

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 "NOM" or similar, written in a stylized, cursive-like 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

Kath Light

## 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 Hyslop". The signature is written in a cursive, flowing style with some loops and a long horizontal stroke at the end.

## 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 read "K. H. W. B. L.", written in a cursive style.

## 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. Jr." or similar, 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

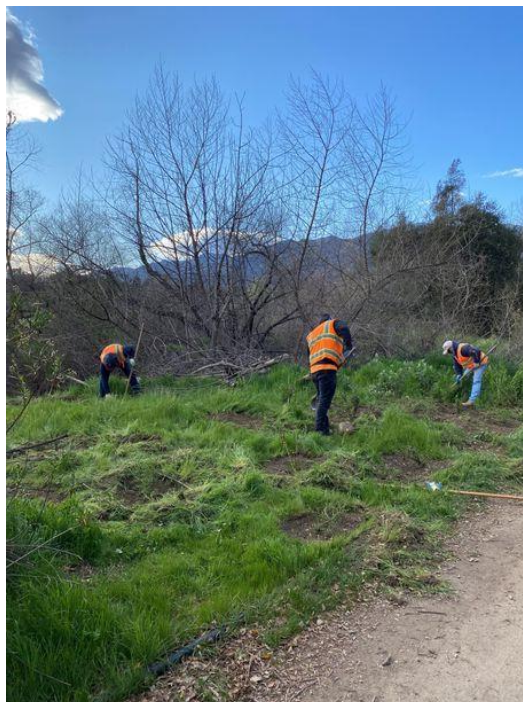
## Log Entry - Photos taken?

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 stylized, overlapping loops and lines, likely representing the initials or full name of the person who completed the log.

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	43 °F	0-3 MPH	0 %
End of Day	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 (%)
Start of Day	07:00	39 °F	0-3 MPH	0 %
End of Day	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**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	39 °F	0-3 MPH	0 %
End of Day	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**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	55 °F	0-3 MPH	33 %
End of Day	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 (%)
Start of Day	07:00	47 °F	0-3 MPH	50 %
End of Day	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

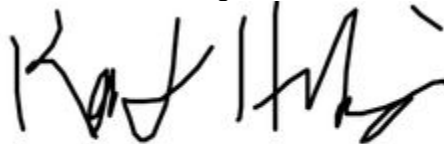
**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read 'Kent Hughes', written over a light gray grid background.





**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 (%)
Start of Day	07:00	41 °F	0-3 MPH	0 %
End of Day	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 (%)
Start of Day	07:00	39 °F	0-3 MPH	17%
End of Day	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 (%)
Start of Day	06:30	48 °F	0-1 MPH	80%
End of Day	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 Dorrough (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 (%)
Start of Day	07:00	47 °F	0-3 MPH	50 %
End of Day	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

A handwritten signature in black ink, appearing to read 'Kent Hughes', written in a cursive style.



**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 (%)
Start of Day	07:00	35 °F	0-3 MPH	0 %
End of Day	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

A handwritten signature in black ink, appearing to read 'Kent Hughes', written in a cursive style.





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 (%)
Start of Day	07:00	35 °F	0-3 MPH	0 %
End of Day	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

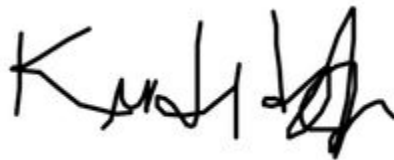
**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**

A handwritten signature in black ink, appearing to read 'Kent Hughes', written over a light gray rectangular background.



**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 (%)
Start of Day	07:00	37 °F	0-3 MPH	0 %
End of Day	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

A handwritten signature in black ink, appearing to be 'K. Hughes', written over a horizontal line.





**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 (%)
Start of Day	07:00	42 °F	0-3 MPH	15 %
End of Day	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

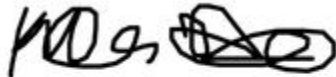
**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**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

# **Devil's Gate Reservoir Restoration Project Second Quarter Compliance Report Activities Occurring Between April 2020 and June 2020**

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## **Submitted to:**

Dr. David Lin  
California Dept. of Fish & Wildlife/R5  
4665 Lampson Avenue, Suite C  
Los Alamitos, CA 90720

## **Prepared for:**

Mr. Tae Uk (Mark) Gim  
Los Angeles County Public Works  
Stormwater Engineering Division  
900 S. Fremont Avenue  
Alhambra, CA 91803

## **Prepared by:**

ECORP Consulting, Inc.  
2861 Pullman Street  
Santa Ana, CA 92705

**July 22, 2020**



**ECORP Consulting, Inc.**  
ENVIRONMENTAL CONSULTANTS

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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 second quarter of 2020 (April through June). 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 seventh report (Quarterly Compliance Report Number 7) submitted in accordance with ITP Condition number 6.7. This report covers activities that were conducted at the Project site between April 1 and June 30, 2020.

## 2.0 COVERED ACTIVITIES

### 2.1 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 (*Vireo bellii pusillus*) 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 three surveys occurring during the week prior to the initiation of activities (and the final survey occurring 24 hours before). Due to several iterations of postponement of the official start date of Project activities, a total of 18 preconstruction least

Bell's vireo surveys were conducted between March 16 and May 19, 2020. Table 1 shows the preconstruction least Bell's vireo survey dates and the Designated Biologists that surveyed on each date.

<b>Table 1. Preconstruction Least Bell's Vireo Survey Dates and Personnel.</b>	
<b>Date</b>	<b>Designated Biologist</b>
<b>First Quarter 2020</b>	
03/16/20	Taylor Dee
03/25/20	Taylor Dee
<b>Second Quarter 2020</b>	
04/02/20	Taylor Dee
04/10/20	Jill Coumoutso
04/13/20	Christine Tischer
04/16/20	Jill Coumoutso
04/17/20	Jill Coumoutso
04/20/20	Jill Coumoutso
04/23/20	Jill Coumoutso
04/27/20	Jill Coumoutso
04/29/20	Jill Coumoutso
05/05/20	Christine Tischer
05/07/20	Shannan Shaffer
05/11/20	Shannan Shaffer
05/12/20	Jill Coumoutso
05/15/20	Shannan Shaffer
05/18/20	Jill Coumoutso
05/19/20	Jill Coumoutso

A single breeding pair of least Bell's vireos was documented within 500 feet of the Project site during preconstruction surveys conducted during the 2020 breeding season prior to the start of Project activities on May 20, 2020. As of May 19, 2020, the pair was observed engaging in nest-building activities within the onsite habitat restoration area. A 300-foot no-work buffer was established around the nest location and enforced by Designated Biologists. No habitat restoration activities occurred within the buffer. No construction-related activities occurred or had the potential to occur within the buffer. The 300-foot buffer will remain in place around the nesting location until the nest has fledged, the fledglings are independent of the pair, and no additional signs of nesting are observed by the Designated Biologist. No other observations of least Bell's vireo were documented elsewhere on the Project site during the focused least Bell's vireo preconstruction surveys. The preconstruction least Bell's vireo survey report is included in Appendix A.

Preconstruction surveys for nesting birds were conducted 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 second quarter of 2020 and active bird nests on the Project site were protected by no-work buffers enforced by Designated Biologists daily.

## 2.2 Breeding Season Surveys

Per Condition 7.3.4 of the ITP, 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."

After the completion of the preconstruction surveys, twice-weekly focused surveys began and continued through the end of the second quarter 2020 reporting period and into the third quarter. A total of 12 focused breeding season least Bell's vireo surveys were conducted by Designated Biologists approved by CDFW and USFWS during the second quarter of 2020. Table 2 shows the twice-weekly focused least Bell's vireo survey dates and the Designated Biologists that surveyed on each date.

<b>Table 2. Second Quarter 2020 Focused Breeding Season Least Bell's Vireo Survey Dates and Personnel.</b>	
<b>Date</b>	<b>Designated Biologist</b>
05/21/20	Shannan Shaffer
05/26/20	Shannan Shaffer
05/28/20	Shannan Shaffer
06/01/20	Jill Coumoutso
06/05/20	Lauren Simpson
06/08/20	Jill Coumoutso
06/12/20	Shannan Shaffer
06/15/20	Shannan Shaffer
06/18/20	Shannan Shaffer
06/22/20	Jill Coumoutso
06/26/20	Shannan Shaffer
06/29/20	Shannan Shaffer

The least Bell's vireo breeding pair that was documented during preconstruction surveys was also observed during focused breeding surveys conducted during the second quarter of 2020. The least Bell's vireo nest that was documented during preconstruction surveys was observed to be in the incubation stage during the survey conducted on May 21, 2020. During the survey conducted on June 8, 2020 four least Bell's vireo nestlings approximately 7 to 8 days old were observed within the nest. During the survey conducted on June 12, 2020 the nestlings were observed to have fledged and fledglings could be heard in a nearby mulefat shrub. During surveys conducted between June 15 and June 29, 2020 the family group was observed with both parents feeding begging fledglings.

No other observations of least Bell's vireo were documented elsewhere on the Project site during the focused breeding season surveys during the second quarter of 2020.

Weekly least Bell's vireo survey and monitoring memos were prepared beginning the week of May 18, 2020 and submitted to USFWS per Conservation Measure 11b of the USFWS Informal Section 7 Consultation. The weekly memos for the second quarter of 2020 reporting period are compiled and included in Appendix B.

## **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 Condition 2.10a of the Streambed Alteration Agreement "...the Permittee shall have the Designated Biologist on site daily when protected species may be present to ensure that no impacts occur to protected species that are not authorized"

Construction related activities (including site preparation for sediment removal or sediment removal activities) began on May 20, 2020. As such, construction monitoring began on May 20, 2020 and no construction monitoring or inspections took place prior to this date during the second quarter. Daily monitoring of restoration activities was ongoing during the second quarter.

Daily monitoring by a Designated Biologist occurred when ground-disturbing activities were taking place at the Project site during the nesting bird season. Construction monitoring personnel were scheduled to ensure that a least Bell's vireo approved Designated Biologist was present on the Project site daily during sediment removal activities, either as a construction monitoring and/or conducting focused least Bell's vireo breeding season surveys. Table 3 shows Project working dates and the biological monitors that were present on each date.

Table 3. Monitors Onsite During Work Days.		
Date	Construction Monitors	Restoration Monitors
04/01/20	No Construction Monitoring Occurred Prior to the Construction Activities Start Date of May 20, 2020.	Kent Hughes
04/02/20		Kent Hughes
04/03/20		Kent Hughes
04/06/20		No Work - Weather
04/07/20		Max Murray
04/08/20		Max Murray
04/09/20		No Work - Weather
04/10/20		No Work - Weather
04/13/20		Kent Hughes
04/14/20		Kent Hughes
04/15/20		Kent Hughes
04/16/20		Kent Hughes
04/17/20		Kent Hughes
04/20/20		Kent Hughes
04/21/20		Kent Hughes
04/22/20		Kent Hughes
04/23/20		Kent Hughes
04/24/20		Kent Hughes
04/27/20		Brian Zitt
04/28/20		Brian Zitt
04/29/20		Carley Lancaster
04/30/20		Christine Tischer*
05/01/20		Carley Lancaster
05/04/20		Kent Hughes
05/05/20		Kent Hughes
05/06/20		Kent Hughes
05/07/20		Max Murray
05/08/20		Max Murray
05/11/20		Kent Hughes
05/12/20		Kent Hughes
05/13/20		Kent Hughes
05/14/20		Kent Hughes
05/15/20		Kent Hughes
05/18/20		Kent Hughes

**Table 3. Monitors Onsite During Work Days.**

Date	Construction Monitors	Restoration Monitors
05/19/20		Kent Hughes
05/20/20	Lauren Simpson*, Jill Coumoutso*	Kent Hughes
05/21/20	Lauren Simpson*, Jessie Dubus	Kent Hughes
05/22/20	Lauren Simpson*, Jessie Dubus	No Work – Misc.
05/25/20	No Work - Holiday	No Work - Holiday
05/26/20	Lauren Simpson*, Jill Coumoutso*	Kent Hughes
05/27/20	Jill Coumoutso*, CJ Randel	Kent Hughes
05/28/20	Adam Schroeder, CJ Randel	Kent Hughes
05/29/20	Lauren Simpson*, Adam Schroeder	Kent Hughes
06/01/20	Lauren Simpson*	Kent Hughes
06/02/20	Jill Coumoutso*	Kent Hughes
06/03/20	Jill Coumoutso*	Kent Hughes
06/04/20*	Lauren Simpson*	Margie Pfeffer
06/05/20	Max Murray	Margie Pfeffer
06/08/20	Lauren Simpson*	Margie Pfeffer
06/09/20	Jill Coumoutso*	Margie Pfeffer
06/10/20	Jill Coumoutso*	Margie Pfeffer
06/11/20	Lauren Simpson*	Margie Pfeffer
06/12/20	Lauren Simpson*	Margie Pfeffer
06/15/20	Lauren Simpson*	Margie Pfeffer
06/16/20	Jill Coumoutso*	Margie Pfeffer
06/17/20	Jill Coumoutso*	Scott Werner
06/18/20	Jill Coumoutso*	Margie Pfeffer
06/19/20	Jill Coumoutso*	Scott Werner
06/22/20	Lauren Simpson*	Margie Pfeffer
06/23/20	Jill Coumoutso*	Scott Werner
06/24/20	Jill Coumoutso*	Scott Werner
06/25/20	Lauren Simpson*	Margie Pfeffer
06/26/20	Adam Schroeder	Margie Pfeffer
06/29/20	Adam Schroeder	Margie Pfeffer
06/30/20	Jill Coumoutso*	Scott Werner

\* = First Day of Sediment Removal Hauling Activities

\* = LBVI approved biologist

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

## 2.4 Project Activities

The following Project activities were conducted onsite during this reporting period:

- Project activities began on May 20, 2020 and continued through June 30, 2020.
- The Project site was prepared for resuming sediment removal activities. A scale house and haul truck weighing stations were installed within the reservoir.
- Small areas of emergent vegetation were cleared using skip loaders, backhoes, and bulldozers in preparation for hauling activities. All areas were surveyed for nesting bird activity prior to removal and all vegetation removal was within the Project boundaries and monitored by the Designated Biologist onsite.

- Emergent vegetation was removed along the Environmentally Sensitive Area (ESA) fence line and the ESA fence was installed around the perimeter of the Project site boundaries.
- Potholing took place at various designated locations within the Project boundary to test soil moisture levels.
- Sediment removal hauling activities began on June 4, 2020.
- Sediment removal hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.

Construction monitoring logs for this quarter detailing daily activities are included in Appendix C.

## 2.5 Habitat Restoration Activities

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

- Restoration activities continued from April 1, 2020 through June 30, 2020.
- Low-growing non-native plants (primarily perennial pepperweed [*Lepidium latifolium*], black mustard [*Brassica nigra*], wild radish [*Raphanus sativus*], poison hemlock [*Conium maculatum*], ripgut brome [*Bromus diandrus*], cheatgrass [*Bromus tectorum*], totalote [*Centaurea melitensis*], Italian thistle [*Carduus pycnocephalus*], yellow sweetclover [*Melilotus indicus*], Indian plantain [*Plantago arenaria*], black nightshade [*Solanum nigrum*], London rocket [*Sisymbrium irio*], curly dock [*Rumex crispus*], tree of heaven [*Ailanthus altissima*], and wild oat [*Avena fatua*]) were removed from the DG-2, DG-2A, DG-2B, DG-3A, DG-4, DG-4B, DG-4C, and DG-4 WOUS, onsite restoration areas by hand pulling and using small hand tools, shovels, weed whips, hula hoes, and rakes. Regrowth of eucalyptus tree stumps were treated using copper nails. 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.

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

## 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 July 1, 2020 to September 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.



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
BIOLOGICAL RESOURCES							
MM BIO – 1: 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	A qualified biologist was present during all initial ground- or vegetation-disturbing construction related activities occurred during the 2020 second quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2020 second quarter reporting period. See Table 3 for details.
MM BIO – 2: 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	Due to the COVID-19 situation, the initial 2020 worker education training was provided for project personnel to view electronically prior to the start of Project activities on May 20, 2020. Personnel were required to certify under penalty of perjury that they had viewed and understood the training materials in their entirety. Additional trainings were provided on an as-needed basis to new project personnel afterwards during the 2020 second quarter reporting period.
MM BIO – 3: 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 (CNDDB) field data sheet and submitted to CDFW for inclusion into the CNDDB.	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 – 5/19/20	Preconstruction surveys for sensitive species were conducted by qualified biologists on April 10, 13, and 14, 2020. Preconstruction least Bell’s vireo surveys were completed during the second quarter of 2020. Details on detections of least Bell’s vireo during surveys are provided in Sections 2.1 and 2.2 above.
MM BIO – 4: LACFCD, in consultation with a qualified biologist, will employ bird exclusionary measures (e.g., mylar flagging) prior to the start of bird breeding season to prevent birds nesting within established boundaries of the project. 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	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		3/15/19 - 4/14/19, 3/16/20 - 5/19/20	Preconstruction surveys for nesting birds were completed during the second quarter of 2020. Active bird nests within 500 feet of the Project site were documented and appropriate no-work buffers were established. Designated

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
three days prior to the initiation of clearance/construction work. Preconstruction surveys shall be repeated annually for the duration of the sediment removal. 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.							Biologists monitored Project and restoration activities daily during the nesting season during the second quarter 2020 reporting period.
<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: <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> The qualified biologist shall document all bat survey, monitoring, and protection measure activities and prepare a summary report for LACFCD.	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		11/06/2018 – 11/08/2018	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 second quarter reporting period.
<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: <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</li></ul>	Reservoir Management <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>	Reservoir Management <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 second 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
<p>percent cover of native plant species, percent cover of nonnative and invasive plant species, and native plant species richness (number of different plant species).</p> <ul style="list-style-type: none"><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.</li></ul> <p>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:</p> <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> <ul style="list-style-type: none"><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 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></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</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></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></ul>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>10/02/2018 – 10/05/2018</p>	<p>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 second quarter reporting period. Restoration activities were continued during the 2020 second 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
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.	<ul style="list-style-type: none"><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>	<ul style="list-style-type: none"><li>• Prepare Monitoring Reports</li><li>• Prepare Annual Reports</li><li>• Achieve Mitigation Site Sign-Off</li></ul>					
<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><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 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</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 second 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
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> <ul style="list-style-type: none"> <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 Preconstruction Survey Report

Appendix B – Weekly Least Bell’s Vireo Survey and Monitoring Memos

Appendix C – Construction Monitoring Logs

Appendix D – Habitat Restoration Monitoring Logs

Least Bell's Vireo Preconstruction Survey Report

July 6, 2020  
(2018-047.019)

Mr. Mark Gim  
Los Angeles County Public Works  
Stormwater Engineering Division  
Via Email: Tgim@dpw.lacounty.gov

**Subject: Least Bell's Vireo Preconstruction 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 present the results of preconstruction surveys for least Bell's Vireo (*Vireo bellii pusillus*) conducted 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 preconstruction surveys for least Bell's vireo were conducted to comply with Condition 7.3.2 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:

"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."

In addition, the surveys were conducted to comply with Conservation Measure 11a of the Informal Section 7 Consultation (Section 7) No. FWS-LA-14B0081-15I0477 for the Project, which states:

"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."

**SURVEY METHODS**

Preconstruction surveys for least Bell's vireo were conducted in compliance with ITP Condition 7.3.2 and Section 7 Conservation Measure CM 11a for Project activities that are to occur during the vireo's breeding season. 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

Preconstruction least Bell's vireo surveys began on March 16, 2020, 30 days prior to the originally scheduled start of Project activities which was planned for April 16, 2020. Surveys continued weekly, with three surveys occurring during the week prior to the start of Project activities and the final survey occurring the day prior to the start of Project activities. Due to several iterations of postponement of the official start date of Project activities, a total of 18 preconstruction least Bell's vireo surveys were conducted between March 16 and May 19, 2020. Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist. The dates, personnel, and weather conditions for each survey are presented in Table 1. 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
03/16/20	TD	0655	1030	55	59	80	70	0-1	4-6
03/25/20	TD	0645	1040	51	60	85	60	0-1	0-3
04/02/20	TD	0715	1100	61	65	75	70	0-1	0-2
04/10/20	JC	0710	0942	48	48	100	100	1-3	0
04/13/20	CT	0650	1100	59	57	75	100	0-1	0-2
04/16/20	JC	0715	1010	52	66	0	0	0	0
04/17/20	JC	0705	1001	54	57	100	100	0	0
04/20/20	JC	0715	1030	54	61	100	100	0	1-3
04/23/20	JC	0700	0940	61	73	20	5	0	1-3
04/27/20	JC	0715	1000	59	73	0	0	0	1-3
04/29/20	JC	0715	1000	63	68	50	50	0	1-3
05/05/20	CT	0615	1028	61	82	0	0	1-2	1-2
05/07/20	SS	0600	1056	64	79	20	10	0-1	1-3
05/11/20	SS	0610	1041	61	74	100	30	1-3	1-3
05/12/20	JC	0700	1045	55	66	40	95	0	1-3
05/15/20	SS	0608	1219	55	83	100	100	1-3	1-3
05/18/20	JC	0710	0945	63	63	100	100	1-3	1-3
05/19/20	JC	0705	1015	55	63	10	35	1-3	1-3

\* JC = Jill Coumoutso, TD = Taylor Dee, SS = Shannan Shaffer, LS = Lauren Simpson, CT = Christine Tischer

<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.

No least Bell's vireos were detected or observed during the first 13 focused preconstruction surveys between March 16 and May 7, 2020. Least Bell's vireo was detected during the remaining five focused preconstruction surveys between May 11 and 19, 2020.

A single male least Bell's vireo was documented incidentally by the ECORP restoration monitor on April 30, 2020. The male sang two complete songs before quickly leaving the area and was not detected for the remainder of the day. On May 8, 2020, a single male least Bell's vireo was documented incidentally by the ECORP restoration monitor. The male was observed consistently singing in the on-site restoration area throughout the morning. The restoration monitor ensured that no restoration work occurred within 300 feet of the observation.

On May 11, 2020, the least Bell's vireo Designated Biologist documented a pair of least Bell's vireo during the focused preconstruction survey. The observation was in the same area as the May 8 observation. The pair was observed foraging together and the male was observed singing.

On May 12, 2020, the least Bell's vireo Designated Biologist documented nest-building activities by the pair during the focused preconstruction survey. The nest was located in a mule fat (*Baccharis salicifolia*) shrub approximately 475 to 500 feet from the Project sediment removal area boundary but within the current onsite restoration areas. A 300-foot no-work buffer was established around this nest location with flagging and Environmentally Sensitive Area "ESA" signage. The no-work buffer was enforced by the Designated Biologist performing full-time daily monitoring for the restoration crew to ensure that the buffer was not encroached during restoration activities. No construction-related activities had the potential to occur within the buffer.

The least Bell's vireo pair was consistently observed during subsequent focused preconstruction surveys by least Bell's vireo Designated Biologists on May 15, 18, and 19, 2020. The least Bell's vireo Designated Biologists mapped the territory of the pair. The pair was documented foraging together and the male was documented singing within and along the edges of the territory. A figure depicting the location of the least Bell's vireo nest and territory is provided in Attachment B.

No other observations of least Bell's vireo were documented elsewhere on the Project site during preconstruction surveys.

Five brown-headed cowbird (*Molothrus ater*) individuals (one female, four males) were detected outside of brown-headed cowbird traps during the preconstruction surveys.

A complete list of all birds and other wildlife observed during the preconstruction surveys is provided in Attachment C.



## **DISCUSSION**

A single breeding pair of least Bell's vireos was documented within 500 feet of the Project site during preconstruction surveys conducted during the 2020 breeding season prior to the start of Project activities on May 20, 2020. As of May 19, 2020, the pair was observed engaging in nest-building activities. As of June 12, 2020, the nest had successfully fledged as determined by the surveying Designated Biologist and the fledglings were being fed by the pair adjacent to the nest location. A 300-foot no-work buffer was established around the nest location and enforced by Designated Biologists. No construction-related activities occurred or had the potential to occur within the buffer. The 300-foot buffer will remain in place around the nesting location until the nest has fledged, the fledglings are independent of the pair, and no additional signs of nesting are observed by the Designated Biologist. No other observations of least Bell's vireo were documented elsewhere on the Project site during the focused least Bell's vireo preconstruction surveys.

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: July 6, 2020

### **Attachments:**

Attachment A: Survey Datasheets

Attachment B: Figure 1. Least Bell's Vireo Nest and Territory Location

Attachment C: Wildlife Species Observed

**ATTACHMENT A**

Survey Datasheets

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Taylor Dee**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:55	55°F	0-1 MPH	80 %
<b>End of Day</b>	10:30	59 °F	4-6 MPH	70 %

**Date Observed**

03/16/2020

**Observer Name**

Taylor Dee

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

N/A

**Incidental Species Observed**

TUVU,BUSH,SOSP,BEWR,WCSP,DEJU,RSHA,ANHU,WREN,ACWO,COYE,desert cottontail, parrot sp., CA ground squirrel,HOFI,coyote,CASJ,CALT,AMCR,RCKI,EUST,YRWA,SPTO,BLPH,NUWO,LEGO,HOWR,CAQU,BGGN,MALL,NOMO,CAGO,CATH,ALHU,OCWA

**Additional Notes**

A pair of RSHA observed mating at top of willow tree west of project area. No nest was observed.

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Taylor Dee**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:45	51°F	0-1 MPH	85 %
<b>End of Day</b>	10:40	60 °F	0-3 MPH	60 %

**Date Observed**

03/25/2020

**Observer Name**

Taylor Dee

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

N/A

**Incidental Species Observed**

LISP,TUVU,WTSW,western fence

lizard,CALT,BEWR,CAQU,MODO,CASJ,SOSP,HOFI,RCKI,RSHA,CAGO,ACWO,BUSH,parrot

coyote,HUVI,OATI,NUWO,WEBL,ANHU,BBGN,SPTO,WCSP,AMCR,CORA,AMGO,DEJU,EUST,GREG,YRWA,NR  
WS,BLPH,KILL,MALL,LEGO,ALHU,CAKI,HETH,COHA,CA ground squirrel

**Additional Notes**

Identified BUSH (BUSH-03) nest on west of project area. Estbalished 50-foot no work buffer in the field.

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Taylor Dee**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:15	61°F	0-1 MPH	75 %
<b>End of Day</b>	11:00	65 °F	0-2 MPH	70 %

**Date Observed**

04/02/2020

**Observer Name**

Taylor Dee

**Number of Cowbird Individuals**

0

**Locations**

N/a

**Other Sensitive Species Observations**

N/A

**Incidental Species Observed**

MODO, ACWO, ANHU, BEWR, CASJ, WCSP, western fence lizard, AMGO, KILL, SOSP, parrot sp., COYE, SPTO, NUWO, WREN, WTSW, MALL, YRWA, CATH, BLPH, CALT, CAQU, BUSH, NRWS, LEGO, OCWA, HOFI, LISP, EUST, RCKI, California ground squirrel, desert cottontail, ALHU, COHA, BEWR, HOWR, AMCR, WEBL, RTHA, CAKI, PSFL

**Additional Notes**

N/A

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No



**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:10	48°F	1-3 MPH	100 %
<b>End of Day</b>	09:42	48 °F	0 MPH	100 %

**Date Observed**

04/10/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

OCWA AMCR BEWR CALT YRWA BHGR WCSP MODO SOSP HUVI RCKI SPTO DEJU PSFL BUSH ANHU  
HOWR NUWO YEWA CAJA BLPH HOFI ACWO CATH LISP BGGN CAGO MALL CAQU COYE Red crowned parrot  
Baja California tree frog Desert cottontail

**Additional Notes**

N/A

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Christine Tischer**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:50	59°F	0-1 MPH	75 %
<b>End of Day</b>	11:00	57 °F	0-2 MPH	100 %

**Date Observed**

04/13/2020

**Observer Name**

Christine Tischer

**Number of Cowbird Individuals**

4

**Locations**

Pair flew over from east to west just south of disc golf parking lot. 2 males sitting 100' apart on high tension lines near horse stables. Only 1 male in BHCO trap by stable, no BHCO in trap at south end.

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

3 singing male YEWA, HOWR, ACWO, COYE, CAQU, CALT, CATH, BUSH, SOSP, ANHU BEWR, BGGN, MODO, BHGR, YRWA, WCSP, EUST, WIWA, AMCR, KILL, CASJ, HOFI, LEGO, PUFI, MALL, WTSW, CLSW, NRWS, NUWO, PSFL, BLPH, BTPI, HOOR, RNDU, GREG, RUDU, ROPI, CORA, ATFL, SPTO, ALHU, OCWA, RSHA, WAVI, parrots, cottontail, bobcat, fox squirrel, CA ground squirrel, painted lady.

**Additional Notes**

BHCO and YWAR GPS locations recorded on Collector 2020 LBVI map.

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:15	52°F	0 MPH	0 %
<b>End of Day</b>	10:10	66 °F	0 MPH	0 %

**Date Observed**

04/16/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

BEWR BHGR SPTO CALT OCWA BUSH SOSP ANHU NUWO RCKI HUVI PSFL CORA YRWA YEWA CASJ BTGW  
OATI CATH HOFI ACWO WCSP CAQU ANHU ALHU BGGN COHA ATFL Red-crowned parrot Desert Cottontail CA  
ground Squirrel Western fence lizard

**Additional Notes**

N/A

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:05	54°F	0 MPH	100 %
<b>End of Day</b>	10:01	57 °F	0 MPH	100 %

**Date Observed**

04/17/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

WEBL BLPH BHGR HOWR SPTO BUSH RSHA SOSP BEWR DEJU YEWA NUWO NAWA OCWA PSFL ANHU  
COYE KILL BGGN HUVI WAVI CALT HOFI NRWS ATFL LEGO CATH LCSP WCSP CAJA ALHU WEWP CAQU  
CANG CORA MODO WBNU CA ground squirrel Red-crowned parrot Broad-footed mole

**Additional Notes**

N/A

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:15	54°F	0 MPH	100 %
<b>End of Day</b>	10:30	61 °F	1-3 MPH	100 %

**Date Observed**

04/20/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

1

**Locations**

391732E 3784027N

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

SPTO ANHU CALT HOFI BEWR BLPH HUVI CAQU SOSP HOWR WREN COYE PSFL BTGW ACWO LAGO CASJ  
YRWA MODO LISP OCWA ATFL BGGN LEGO CATH BHCO NUWO WIWA BHGR CANG WBNU YEWA NAWA  
CORA NOMO Red crowned parrot Coyote CA ground squirrel Desert Cottontail

**Additional Notes**

N/A

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No



**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	61°F	0 MPH	20 %
<b>End of Day</b>	09:40	73 °F	1-3 MPH	5 %

**Date Observed**

04/23/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

ACWO CALT YEWA ANHU BHGR CAJA CAQU ECDO WAVI BUSH PSFL CAGO WBNU NUWO HOWR WIWA  
ATFL MODO CORA HUVI LEGO WREN BGGN WEKI SOSP SPTO COYE OCWA BUOR CATH BEWR CHSP  
WEBL Western Fence Lizard Side-blotched lizard Red-crowned parrot Desert Cottontail California ground squirrel

**Additional Notes**

N/A

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:15	59°F	0 MPH	0 %
<b>End of Day</b>	10:00	73 °F	1-3 MPH	0 %

**Date Observed**

04/27/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

N/A

**Incidental Species Observed**

MODO PSFL ACWO NUWO BEWR NRWS COYE ALHU CATH CAJA WEKI Coyote WREN Desert cottontail HOWR  
California ground squirrel LEGO Red-crowned parrot BUSH WAVI CAQU CORA KILL HOFI HUVI BLPH ANHU  
CALT SOSP BHGR SPTO DEJU PSFL Western fence lizard

**Additional Notes**

N/A

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:15	63°F	0 MPH	50 %
<b>End of Day</b>	10:00	68 °F	1-3 MPH	50 %

**Date Observed**

04/29/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

BHGR CALT HOWR BUSH LEGO SPTO YEWA WBNU COYE ACWO SOSP PSFL BEWR EUST ANHU NUWO  
HUVI WREN CASJ CAQU MODO Red crowned parrot W. Fence lizard CA ground squirrel

**Additional Notes**

N/A

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Christine Tischer**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:15	61°F	1-2 MPH	0 %
<b>End of Day</b>	10:28	82 °F	1-2 MPH	0 %

**Date Observed**

05/05/2020

**Observer Name**

Christine Tischer

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

CAQU, ACWO, BEWR, BHGR, HOFI, CALT, NUWO, RUHU, CATH, WREN, SOSP, ANHU, ATFL, COYE, LEGO, CASJ, WAVI, WIWA, CAKI, BUSH, MODO, EUST, COHA, CORA, KILL, MALL, WTSW, YEWA, ALHU, PSFL, HOWR, parrot, Syl aud, W. tiger swallowtail, painted lady, Uta sta, Sce occ

**Additional Notes**

Tire washout has been coverrd to deter BLPH from nesting.

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Shannan Shaffer**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:00	64°F	0-1 MPH	20 %
<b>End of Day</b>	10:56	79 °F	1-3 MPH	10 %

**Date Observed**

05/07/2020

**Observer Name**

Shannan Shaffer

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

CALT, SPTO, HOFI, COHA, LEGO, NOMO, ANHU, BHGR, YEWA, ALHU, CORA, CASJ, BLPH, , CAQU, ACWO, BEWR, COYE, BUSH, BUOR, MODO, KILL, NRWS

**Additional Notes**

N/A

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

No



**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Shannan Shaffer**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:10	61°F	1-3 MPH	100 %
<b>End of Day</b>	10:41	74 °F	1-3 MPH	30 %

**Date Observed**

05/11/2020

**Observer Name**

Shannan Shaffer

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

KILL, BUSH, CALT, SOSP, CASJ, BLPH, COYE, green parrots, HOFI, CAQU, ANHU, SPTO, NOMO, RTHA, MODO, NRWS, BHGR, ACWO, ALHU, AMGO, CORA, YEWA, western whiptail, western fence lizard, desert cottontail, CA ground squirrel

**Additional Notes**

heard male LBVI singing in dense vegetation in willows and mulefat along bottom of drainage. LBVI stayed primarily on the opposite side of willows from viewing location and only briefly observed and unable to detect female.

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

Yes

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	55°F	0 MPH	40 %
<b>End of Day</b>	10:45	66 °F	1-3 MPH	95 %

**Date Observed**

05/12/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

BUSH CAQU HOWR HOFI COHA CALT LBVI SOSP MODO SPTO CASJ COYE BHGR YEWA OCWA NUWO  
CATH PSFL BLPH OATI Coyote Desert Cottontail CA ground squirrel Western fence lizard

**Additional Notes**

LBVI Pair nest building, low in small mulefat surrounded by Hemlock and pepper weed/mustard

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

Yes

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Shannan Shaffer**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:08	55°F	1-3 MPH	100 %
<b>End of Day</b>	12:19	83 °F	1~3 MPH	100 %

**Date Observed**

05/15/2020

**Observer Name**

Shannan Shaffer

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

N/A

**Incidental Species Observed**

CASJ, BUSH, COHA, CALT, SPTO, COYE, RSHA, WREN, SOSP, NRWS, HOFI, MODO, LEGO, CORA, ANHU, BLPH, BUOP, CATH, NOMO, BHGR, ACWO, ALHU, SAPH

**Additional Notes**

pair observed in vicinity of nest. pair foraging together near nest site. male also observed near outer edges of territory.

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

Yes

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:10	63°F	1-3 MPH	100 %
<b>End of Day</b>	09:45	63 °F	1-3 MPH	100 %

**Date Observed**

05/18/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

WIFL HOWR BEWR BUSH COYE CASJ SOSP LBVI SPTO CALT CAQU OATI BHGR ALHU SPTO BLPH OCWA  
PSFL YEWA WEKI NRWS WREN

**Additional Notes**

Male singing and staying close to the nest area, and sang twice from nest vegetation. Female foraging near restoration area and scolded at me in this area twice. vicinity near nest in open area with large patch of hemlock and mustard and in restoration area SE of nest

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

Yes

**Least Bell's Vireo Log for Devils Gate (Environmental Conditions)**  
**Submitted By: Jill Coumoutso**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	7:05	55°F	1-3 MPH	10 %
<b>End of Day</b>	10:15	63 °F	1-3 MPH	35 %

**Date Observed**

05/19/2020

**Observer Name**

Jill Coumoutso

**Number of Cowbird Individuals**

0

**Locations**

N/A

**Other Sensitive Species Observations**

YEWA

**Incidental Species Observed**

WIFL CALT ACWO HOWR BUSH SOSP SPTO CATH CAQU HOFI CASJ PSFL ATFL YEWA NUWO OCWA HUVI  
RSAH MODO CORA BEWR MALL Red crowned Parrot W. Fence lizard CA ground squirrel

**Additional Notes**

Adult LBVI scolding a CASJ

**Log Completed?**

Yes

**Were Least Bell's Vireo Observed**

Yes

Figure 1. Least Bell's Vireo Nest and Territory Location



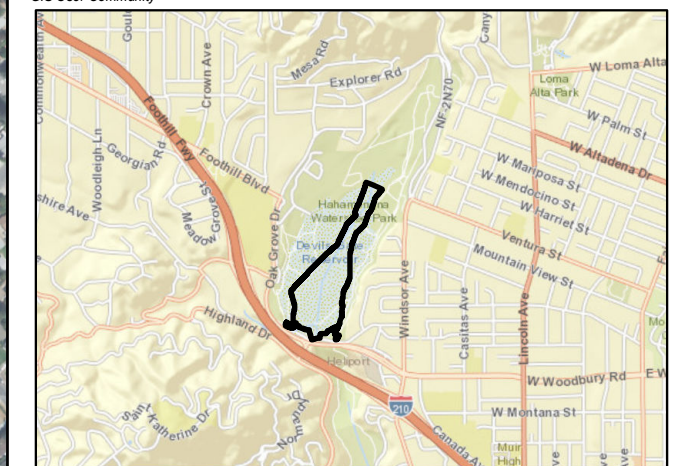


**Figure 1.**  
**Least Bell's Vireo Nest and**  
**Territory Location**

**Map Features**

-  Initial Project Footprint
-  Initial Project Footprint 500' Buffer
-  Least Bell's Vireo Nest
-  Least Bell's Vireo Territory
-  Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





## Wildlife Species Observed

Scientific Name	Common Name
<b>INSECTS</b>	
<b>Nymphalidae</b>	<b>Butterflies</b>
<i>Vanessa cardui</i>	painted lady
<b>Papilionidae</b>	<b>Swallowtail Butterflies</b>
<i>Papilio rutulus</i>	western tiger swallowtail
<b>REPTILES</b>	
<b>Phrynosomatidae</b>	<b>Spiny Lizards</b>
<i>Sceloporus occidentalis</i>	western fence lizard
<i>Uta stansburiana</i>	common side-blotched lizard
<b>Teiidae</b>	<b>Whiptails and Racerunners</b>
<i>Aspidozelis tigris stejnegeri</i> **	coastal whiptail
<b>AMPHIBIANS</b>	
<b>Hylidae</b>	<b>New World Tree Frogs</b>
<i>Pseudacris hypochondriaca</i>	Baja California tree frog
<b>BIRDS</b>	
<b>Accipitridae</b>	<b>Hawks</b>
<i>Accipiter cooperii</i>	Cooper's hawk
<i>Buteo jamaicensis</i>	red-tailed hawk
<i>Buteo lineatus</i>	red-shouldered hawk
<b>Aegithalidae</b>	<b>Bushtits</b>
<i>Psaltiriparus minimus</i>	bushtit
<b>Anatidae</b>	<b>Ducks, Geese, and Swans</b>
<i>Anas platyrhynchos</i>	mallard
<i>Anthya collaris</i>	ring-necked duck
<i>Branta canadensis</i>	Canada goose
<i>Oxyura jamaicensis</i>	ruddy duck
<b>Apodidae</b>	<b>Swifts</b>
<i>Aeronautes saxatalis</i>	white-throated swift
<b>Ardeidae</b>	<b>Bitterns, Egrets, and Herons</b>
<i>Ardea alba</i>	great egret
<b>Cardinalidae</b>	<b>Cardinals</b>
<i>Pheucticus melanocephalus</i>	black-headed grosbeak
<b>Cathartidae</b>	<b>Vultures</b>
<i>Cathartes aura</i>	turkey vulture
<b>Charadriidae</b>	<b>Plovers, Dotterels, and Lapwings</b>
<i>Charadrius vociferus</i>	killdeer
<b>Columbidae</b>	<b>Pigeons and Doves</b>
<i>Columba livia</i> *	rock pigeon
<i>Patagioenas fasciata</i>	band-tailed pigeon
<i>Streptopelia decaocto</i> *	Eurasian collared dove

Scientific Name	Common Name
<i>Zenaidura macroura</i>	mourning dove
<b>Corvidae</b>	<b>Jays and Crows</b>
<i>Aphelocoma californica</i>	California scrub-jay
<i>Corvus brachyrhynchos</i>	American crow
<i>Corvus corax</i>	common raven
<b>Fringillidae</b>	<b>Finches</b>
<i>Haemorhous mexicanus</i>	house finch
<i>Haemorhous purpureus</i>	purple finch
<i>Spinus lawrencei</i>	Lawrence's goldfinch
<i>Spinus psaltria</i>	lesser goldfinch
<i>Spinus tristis</i>	American goldfinch
<b>Hirundinidae</b>	<b>Swallows</b>
<i>Petrochelidon pyrrhonota</i>	cliff swallow
<i>Stelgidopteryx serripennis</i>	northern rough-winged swallow
<b>Icteridae</b>	<b>New World Blackbirds</b>
<i>Icterus bullockii</i>	Bullock's oriole
<i>Icterus cucullatus</i>	hooded oriole
<i>Molothrus ater</i>	brown-headed cowbird
<b>Mimidae</b>	<b>Mockingbirds and Thrashers</b>
<i>Mimus polyglottos</i>	northern mockingbird
<i>Toxostoma redivivum</i>	California thrasher
<b>Odontophoridae</b>	<b>Quails and Partridges</b>
<i>Callipepla californica</i>	California quail
<b>Paradoxornithidae</b>	<b>Wrentits</b>
<i>Chamaea fasciata</i>	wrentit
<b>Paridae</b>	<b>Titmice</b>
<i>Baeolophus inornatus</i>	oak titmouse
<b>Parulidae</b>	<b>Wood-warblers</b>
<i>Cardellina pusilla</i>	Wilson's warbler
<i>Geothlypis trichas</i>	common yellowthroat
<i>Leiothlypis ruficapilla</i>	Nashville warbler
<i>Oreothlypis celata</i>	orange-crowned warbler
<i>Setophaga coronata</i>	yellow-rumped warbler
<i>Setophaga nigrescens</i>	black-throated gray warbler
<i>Setophaga petechia**</i>	yellow warbler
<b>Passerellidae (previously Emberizidae)</b>	<b>Sparrows and Towhees</b>
<i>Ammodramus leconteii</i>	Le Conte's sparrow
<i>Junco hyemalis</i>	dark-eyed junco
<i>Melospiza lincolni</i>	Lincoln's sparrow
<i>Melospiza melodia</i>	song sparrow
<i>Melospiza crissalis</i>	California towhee
<i>Pipilo maculatus</i>	spotted towhee
<i>Spizella passerina</i>	chipping sparrow
<i>Zonotrichia leucophrys</i>	white-crowned sparrow
<b>Picidae</b>	<b>Woodpeckers</b>

Scientific Name	Common Name
<i>Picoides nuttallii</i>	Nuttall's woodpecker
<i>Melanerpes formicivorus</i>	acorn woodpecker
<b>Poplioptilidae (previously Silviidae)</b>	<b>Gnatcatchers</b>
<i>Poliophtila caerulea</i>	blue-gray gnatcatcher
<b>Psittacidae</b>	<b>Old World Parrots</b>
<i>Amazona</i> sp.*	parrot sp.
<i>Amazona viridigenalis</i> *	red-crowned parrot
<b>Regulidae</b>	<b>Kinglets</b>
<i>Regulus calendula</i>	ruby-crowned kinglet
<b>Sittidae</b>	<b>Nuthatches</b>
<i>Sitta carolinensis</i>	white-breasted nuthatch
<b>Sturnidae</b>	<b>Starlings</b>
<i>Sturnus vulgaris</i> *	European starling
<b>Trochilidae</b>	<b>Hummingbirds</b>
<i>Calypte anna</i>	Anna's hummingbird
<i>Selasphorus rufus</i>	Rufous hummingbird
<i>Selasphorus sasin</i>	Allen's hummingbird
<b>Troglodytidae</b>	<b>Wrens</b>
<i>Thryomanes bewickii</i>	Bewick's Wren
<i>Troglodytes aedon</i>	house wren
<b>Turdidae</b>	<b>Thrushes</b>
<i>Catharus guttatus</i>	hermit thrush
<i>Sialia mexicana</i>	western bluebird
<b>Tyrannidae</b>	<b>Tyrant Flycatchers</b>
<i>Contopus sordidulus</i>	western wood-pewee
<i>Empidonax difficilis</i>	Pacific-slope flycatcher
<i>Empidonax traillii</i>	willow flycatcher
<i>Myiarchus cinerascens</i>	ash-throated flycatcher
<i>Sayornis nigricans</i>	black phoebe
<i>Sayornis saya</i>	Say's phoebe
<i>Tyrannus verticalis</i>	western kingbird
<i>Tyrannus vociferans</i>	Cassin's kingbird
<b>Vireonidae</b>	<b>Vireos</b>
<i>Vireo bellii pusillus</i> ***	least Bell's vireo
<i>Vireo gilvus</i>	warbling vireo
<i>Vireo huttoni</i>	Hutton's vireo
<b>MAMMALS</b>	
<b>Canidae</b>	<b>Dogs, Wolves, and Foxes</b>
<i>Canis latrans</i>	coyote
<b>Felidae</b>	<b>Cats</b>
<i>Lynx rufus</i>	bobcat
<b>Leporidae</b>	<b>Hares and Rabbits</b>
<i>Sylvilagus audubonii</i>	desert cottontail
<b>Sciuridae</b>	<b>Squirrels</b>
<i>Otospermophilus beecheyi</i>	California ground squirrel

Scientific Name	Common Name
<i>Sciurus niger</i>	eastern fox squirrel
<b>Talpidae</b>	<b>Desmans, Moles, and Shrew-moles</b>
<i>Scapanus latimanus</i>	broad-footed mole

\*Nonnative species

\*\*CDFW California Species of Special Concern/CDFW Fully Protected Species

\*\*\* Federally and/or State-Listed Endangered or Threatened Species

Weekly Least Bell's Vireo Survey and Monitoring Memos



# Memorandum

To: Christine Medak, USFWS

Project: Devil's Gate Reservoir Restoration Project

From: Lauren Simpson

Date: May 23, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of May 18-May 22, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

Below is a summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020.

- Focused breeding season surveys and preconstruction surveys for least Bell's vireo by CDFW- and USFWS-approved least Bell's vireo Designated Biologists began on March 4, 2020 and continued until May 19, 2020, the day prior to the initiation of Project activities.
- No least Bell's vireo were detected or observed during 15 focused breeding and preconstruction surveys between March 4, 2020 and May 7, 2020. A single male least Bell's vireo was documented incidentally by the ECORP restoration monitor on April 30, 2020. The male sang two complete songs before quickly leaving the area and was not detected for the remainder of the day.
- On May 8, 2020, a single male least Bell's vireo was documented incidentally by the ECORP restoration monitor. The male was observed consistently singing in the on-site restoration area throughout the morning. The restoration monitor ensured that no restoration work occurred

within 300-feet of the observation.

- On May 11, 2020, the least Bell's vireo Designated Biologist documented a pair of least Bell's vireo during a focused preconstruction survey. The observation was in the same area as the May 8 observation. The pair was observed foraging together and the male was observed singing.
- On May 12, 2020, the least Bell's vireo Designated Biologist documented nest-building activities by the pair during a focused preconstruction survey. The nest is located in a mule fat (*Baccharis salicifolia*) shrub approximately 475-500 feet from the Project sediment removal area boundary but within the current on-site restoration areas. A 300-foot no-work buffer was established around this nest location with flagging and ESA signage. The no-work buffer is enforced by the Designated Biologist monitoring the restoration crew full time daily to ensure that the buffer is not encroached during restoration activities. No construction-related activities have the potential to occur within the buffer.
- The least Bell's vireo pair was consistently observed during subsequent focused preconstruction surveys by least Bell's vireo Designated Biologists on May 15, 18, and 19, 2020. The least Bell's vireo Designated Biologists mapped the territory of the pair. The pair was documented foraging together and the male was documented singing within and along the edges of the territory. Based on observations during this time, the pair's territory may extend slightly outside of the 300-foot buffer established around the nest site. Designated Biologists will continue to verify the territory size in subsequent surveys and observe the activities of the pair to determine if expansion of the buffer size is required.

Project activities were initiated on May 20, 2020. A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of May 18, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs are included as attachments.

### **Project Activities – Week of May 18, 2020**

Project activities began on May 20, 2020. All Project activities were monitored by a Designated Biologist. Project activities included the following:

- Preparation of the Project site for resuming sediment removal activities.
- Removal of emergent vegetation along the ESA fence line. Installation of the ESA fence along the east side of the Project site.
- Potholing at various designated locations within the Project boundary to test soil moisture levels.
- Mowing of low-growing emergent vegetation within the reservoir.
- Preparation of the site for the installation of the scale house and haul truck weighing stations.

Restoration activities were ongoing during the week of May 18, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools.

## Least Bell's Vireo Surveys and Noise Monitoring – Week of May 18, 2020

### *Focused Least Bell's Vireo Surveys*

Three focused least Bell's vireo surveys were conducted during the week of May 18, 2020. Two surveys conducted on May 18 and 19, 2020 were conducted as preconstruction surveys. The survey conducted on May 21, 2020 was conducted as a focused breeding season survey, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

Table 1. Focused Least Bell's Vireo Surveys Conducted Week of May 18, 2020	
Date	Surveyor
05/18/20	Jill Coumoutso
05/19/20	Jill Coumoutso
05/21/20	Shannan Shaffer

The least Bell's vireo pair were documented during all three surveys conducted during the week of May 18, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. The male was observed singing within the territory and the pair was observed foraging together. On May 21, 2020 the least Bell's vireo Designated biologist documented that the nest had progressed into the incubation stage. During the survey, the female was observed sitting on the nest and the male was observed making repeated visits to the female to deliver food items.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of May 18, 2020.

### *Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of May 18, 2020 occurred on May 20, 2020, the Project start date. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 7:07 am and 3:18 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBA. All hourly Leq measurements were below 60 dBA during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBA were attributed to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

Ms. Christine Medak  
May 23, 2020  
Page 4 of 4

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).

A handwritten signature in blue ink, appearing to read 'Lauren Simpson', with a long horizontal flourish extending to the right.

Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

Attachment B – Noise Monitoring Graphs

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

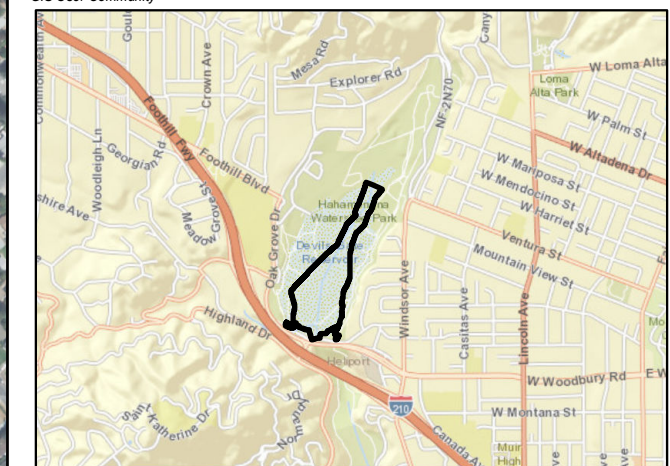




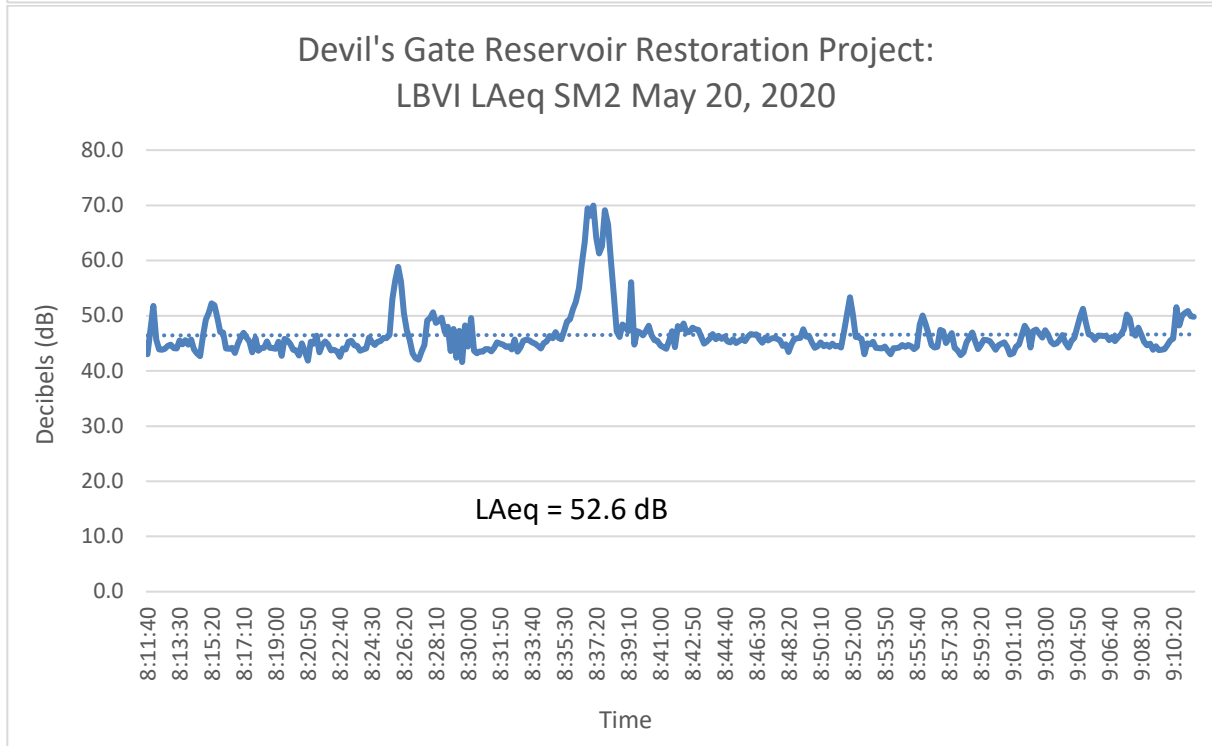
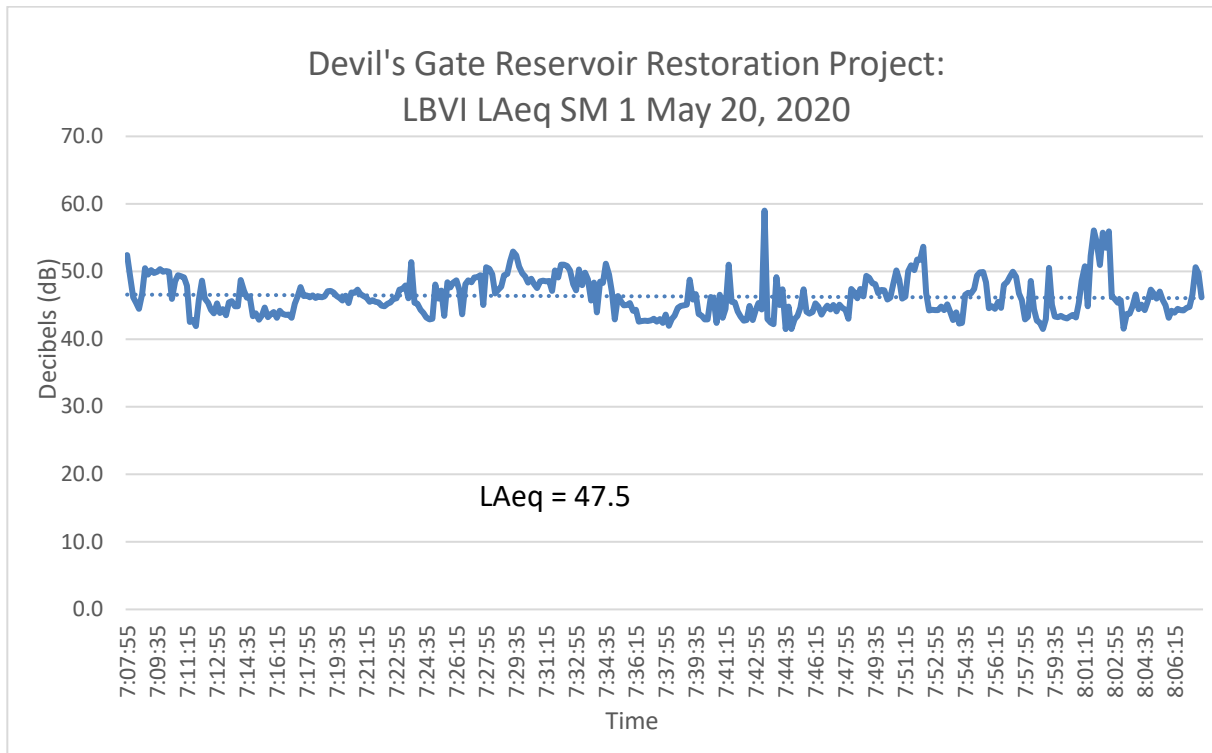
**Figure 1.**  
**Least Bell's Vireo Monitoring**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

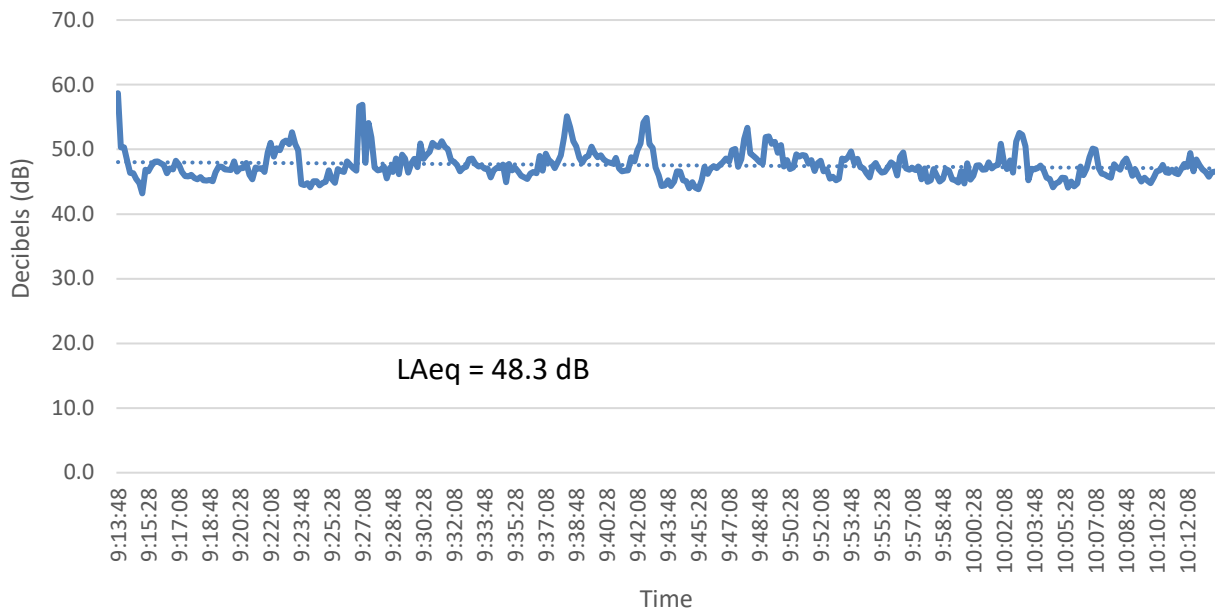
Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



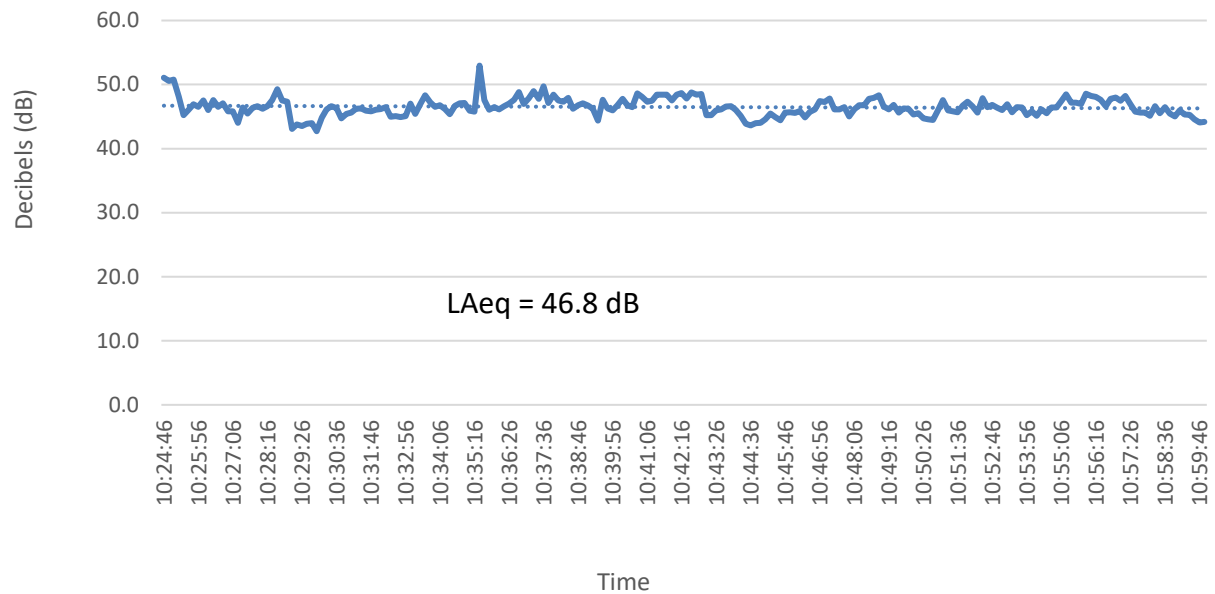




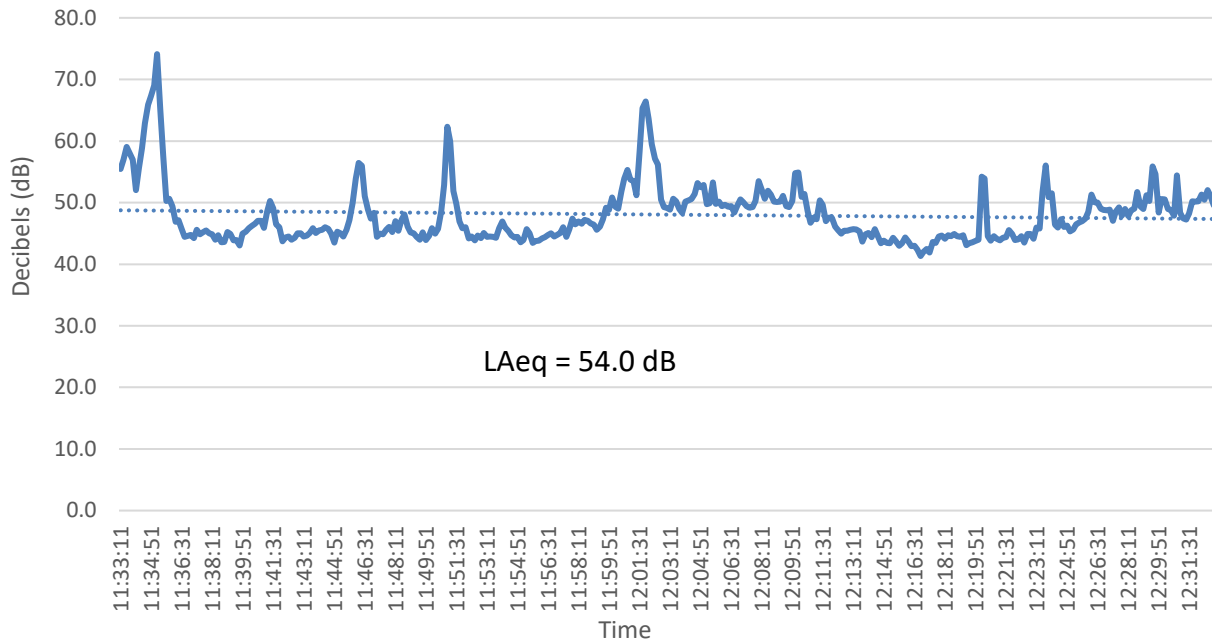
Devil's Gate Reservoir Restoration Project:  
LBVI LAeq SM 3 May 20, 2020



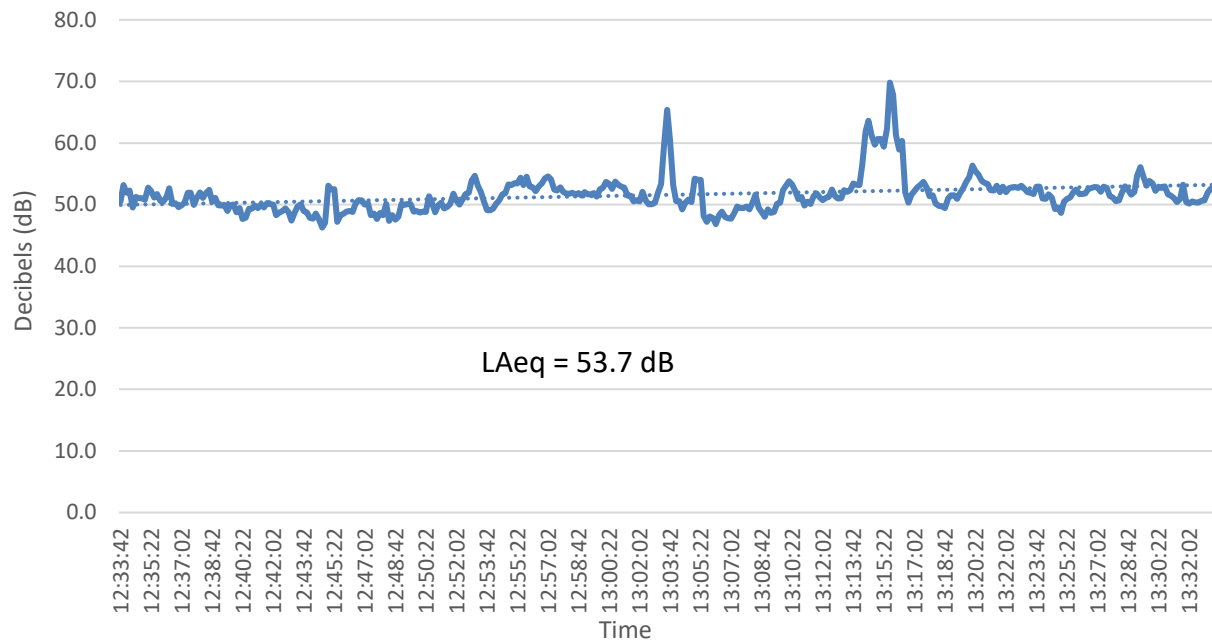
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LBVI LAeq SM 4 May 20, 2020



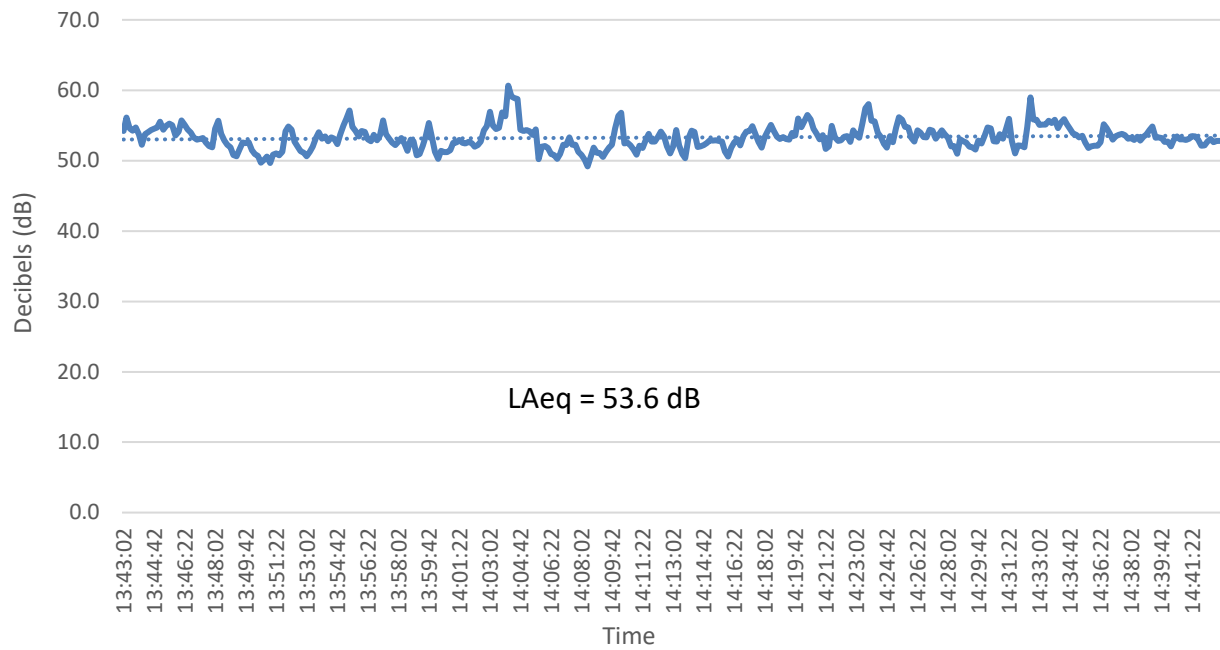
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LBVI LAeq SM 5 May 20, 2020



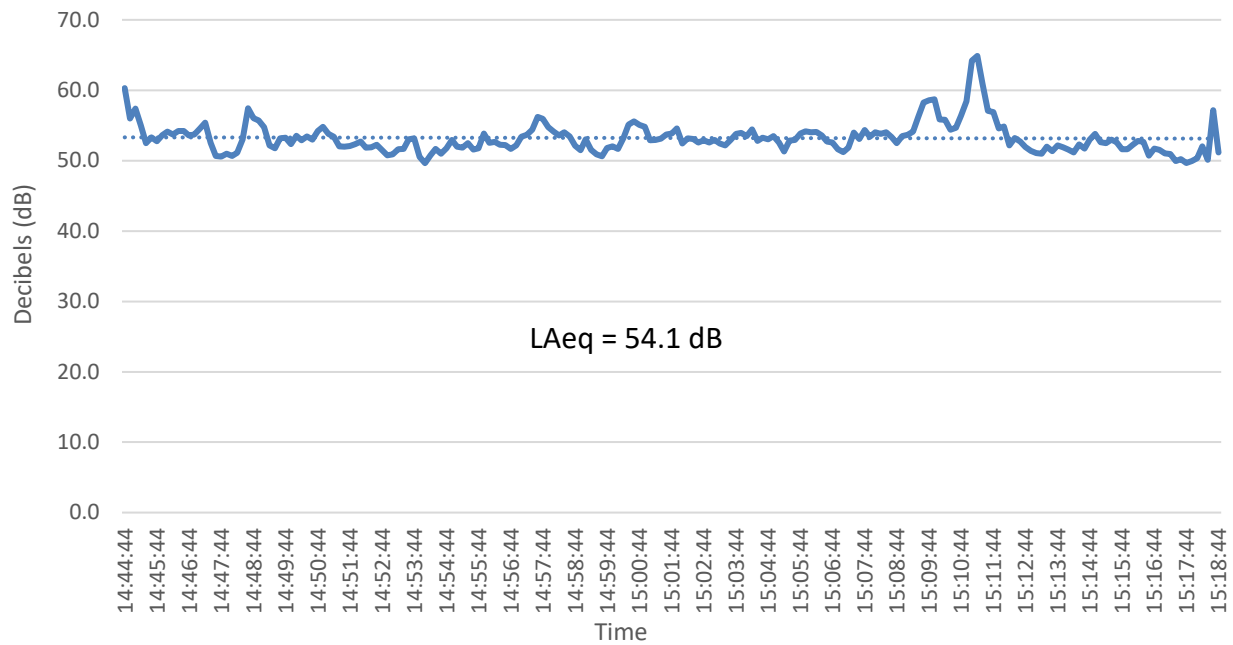
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LBVI LAeq SM 6 May 20, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI LAeq SM 7 May 20, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI LAeq SM 8 May 20, 2020



# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: June 4, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of May 25 – May 29, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May 18 through 22, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of May 25, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of May 25, 2020 are included as attachments.

## **Project Activities – Week of May 25, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of May 25, 2020. No work occurred on Monday, May 25, 2020, due to the Memorial Day holiday. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Preparation of the Project site for resuming sediment removal activities.
- Removal of emergent vegetation along the ESA fence line. Installation of the ESA fence along the west side of the Project site.
- Potholing at various designated locations within the Project boundary to test soil moisture levels.
- Mowing and removal of emergent vegetation within the reservoir.
- Preparation of the site for the installation of the scale house and haul truck weighing stations.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of May 25, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. No restoration activities occurred within the 300-foot buffer around the least Bell's vireo nest which was enforced by the monitoring Designated Biologist.

## **Least Bell's Vireo Surveys and Noise Monitoring – Week of May 25, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of May 25, 2020. The two surveys conducted on May 26 and 28, 2020 were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of May 25, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
05/26/20	Shannan Shaffer
05/28/20	Shannan Shaffer

The least Bell's vireos were documented during both surveys conducted during the week of May 25, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. The male was observed singing within the previously documented territory and was not observed outside of the territory. The nest is still in the incubation stage. Based on the initial observation of incubation on May



21, 2020, the eggs are expected to hatch towards the end of the week of June 1, 2020.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of May 25, 2020.

*Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of May 25, 2020 occurred on May 27, 2020. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 7:03 am and 3:15 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBa. All hourly Leq measurements were below 60 dBa during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBa were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

Attachment B – Noise Monitoring Graphs

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory



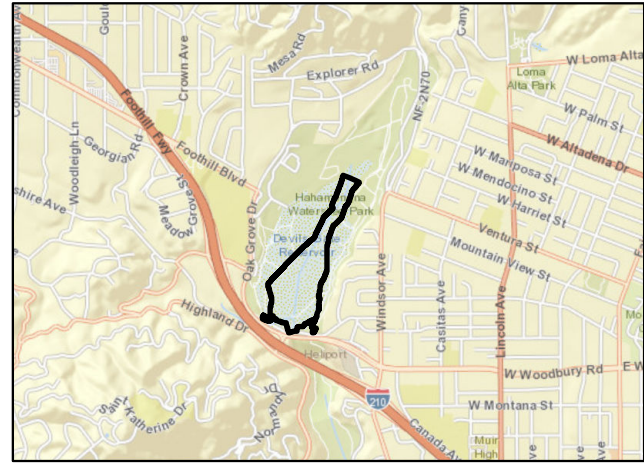


**Figure 1.**  
**Least Bell's Vireo Monitoring**

**Map Features**

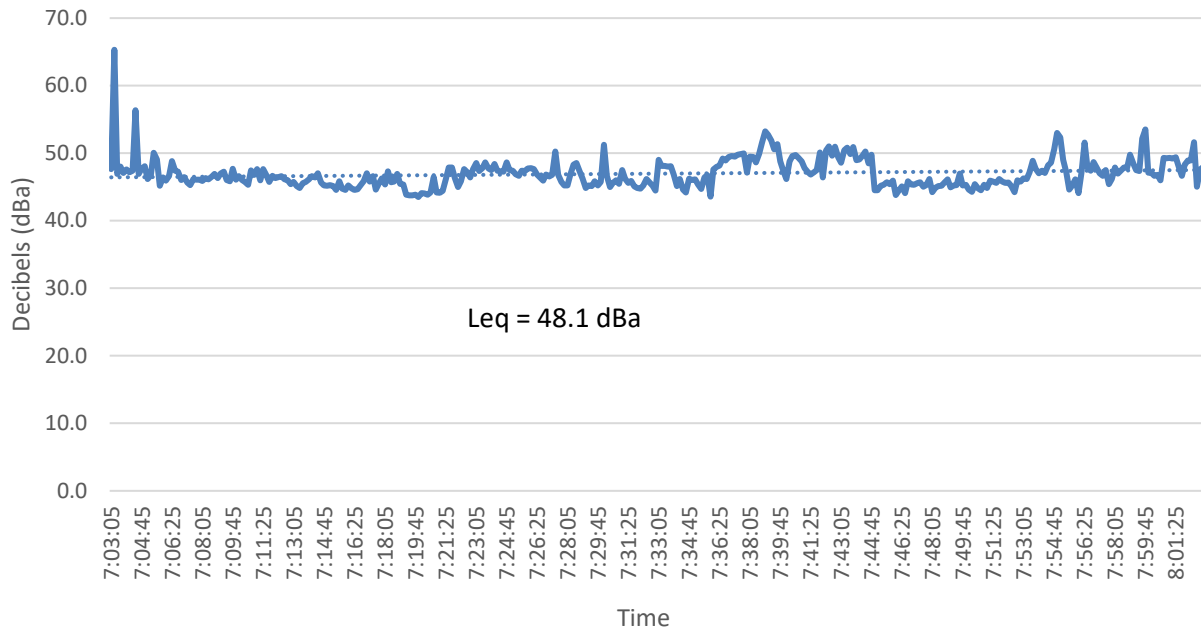
- Initial Project Footprint
- Initial Project Footprint 500' Buffer
- Least Bell's Vireo Nest
- Least Bell's Vireo Territory
- Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

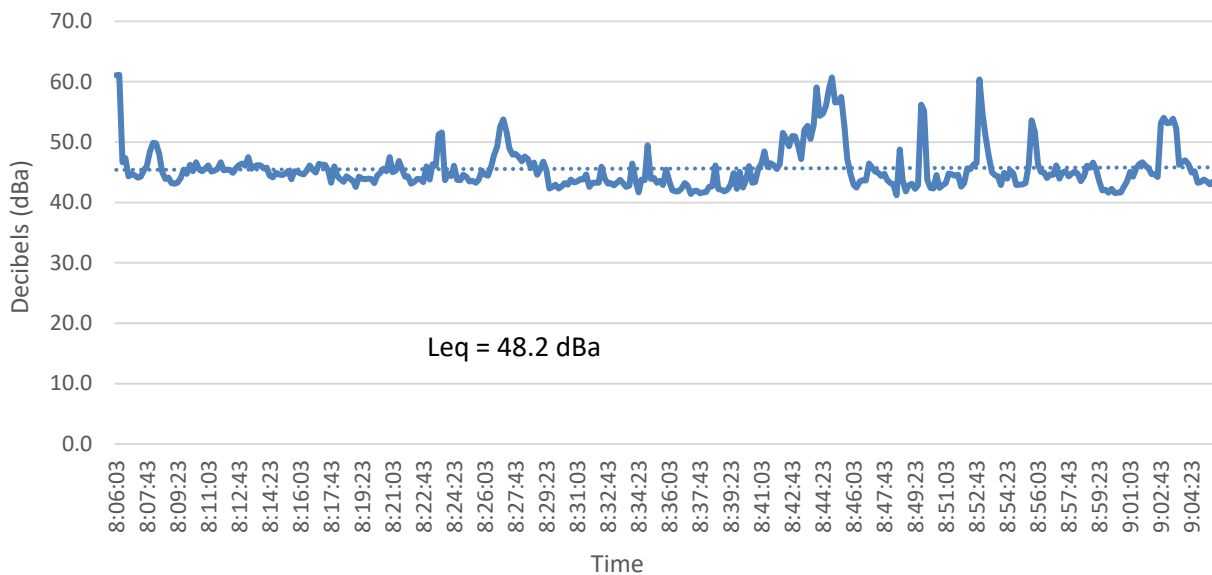




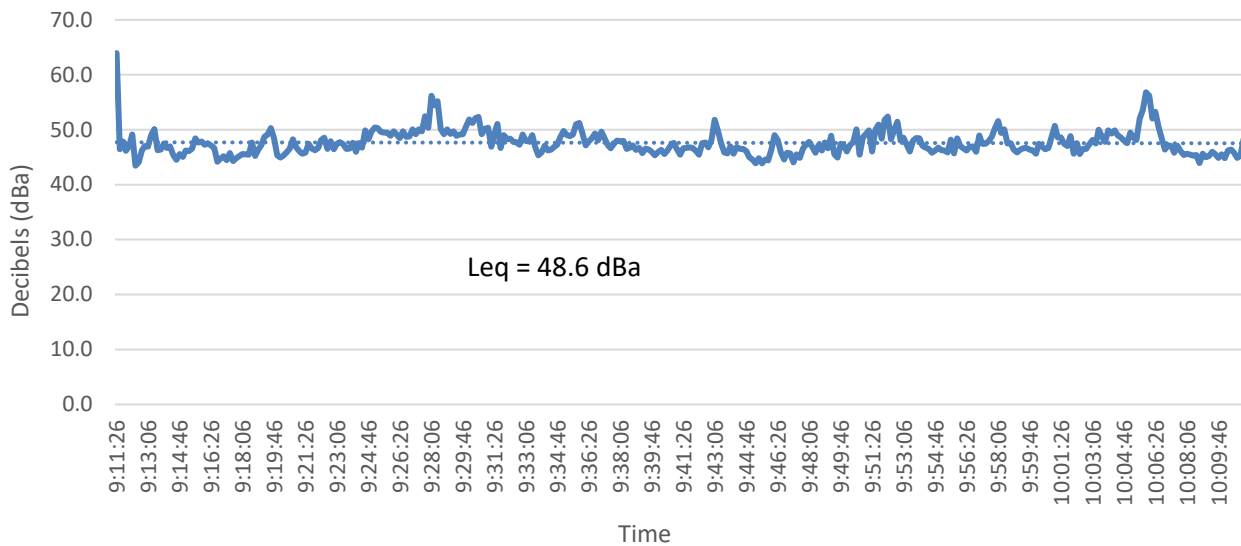
Devil's Gate Reservoir Restoration Project:  
LBVI Leq SM 1 May 27, 2020



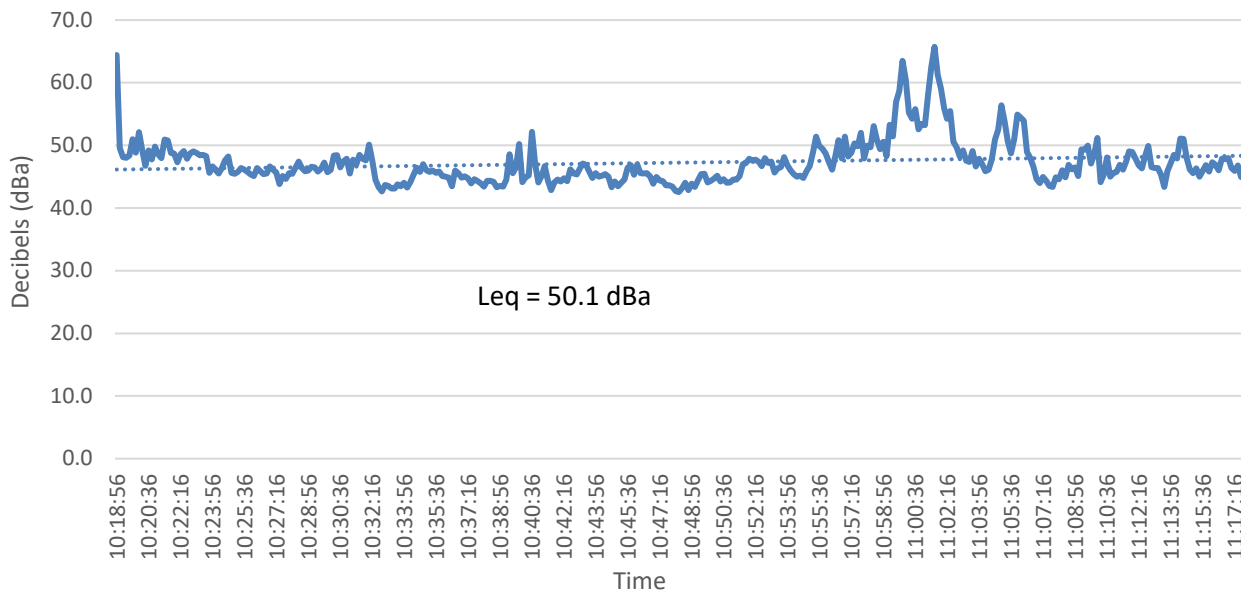
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LBVI Leq SM 2 May 27, 2020



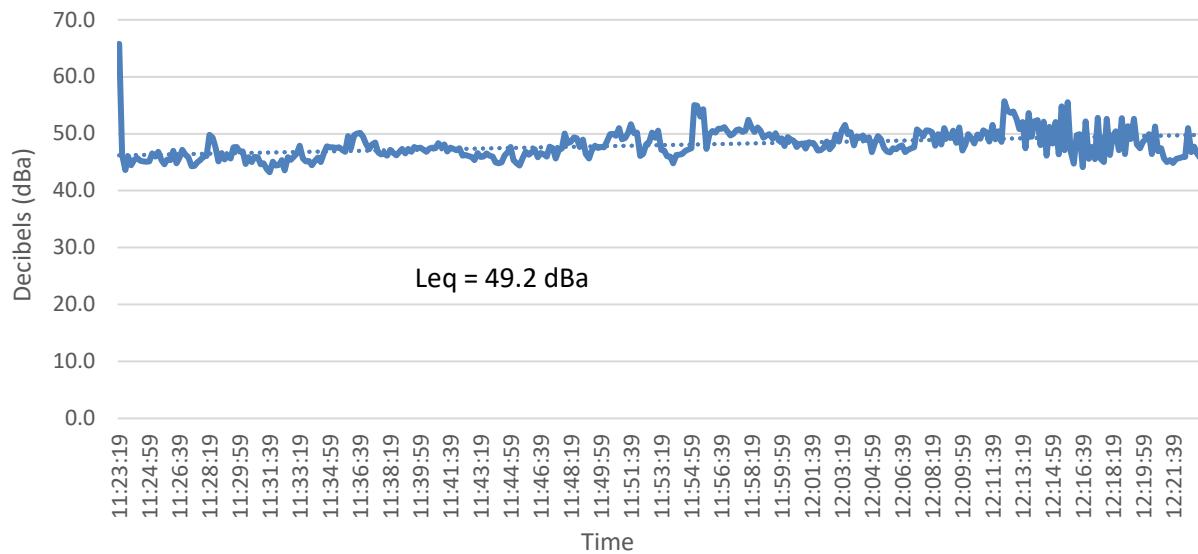
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LBVI Leq SM 3 May 27, 2020



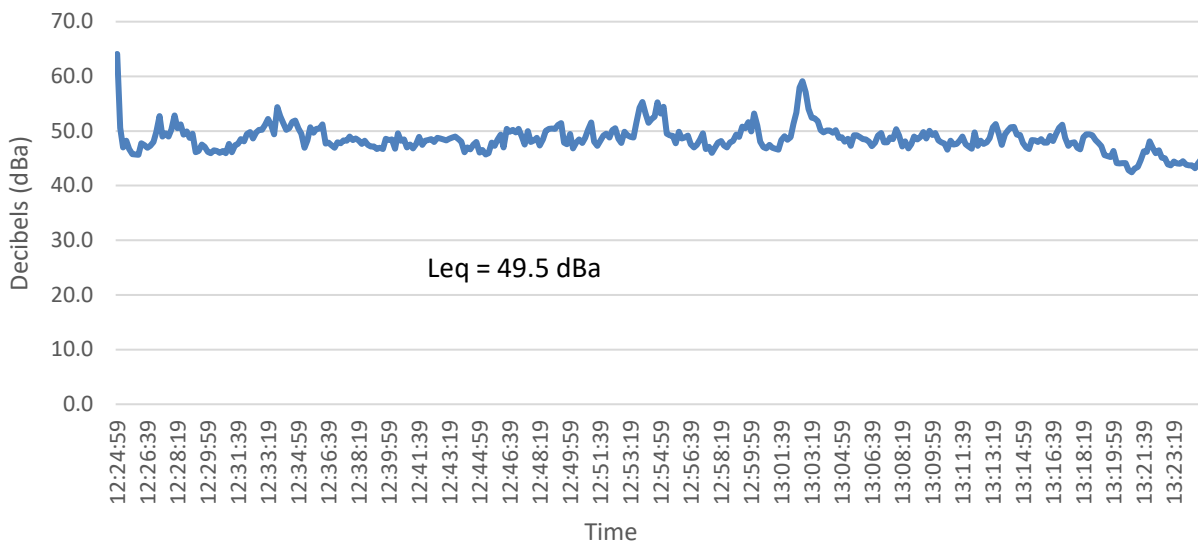
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LBVI Leq SM 4 May 27, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI Leq SM 5 May 27, 2020

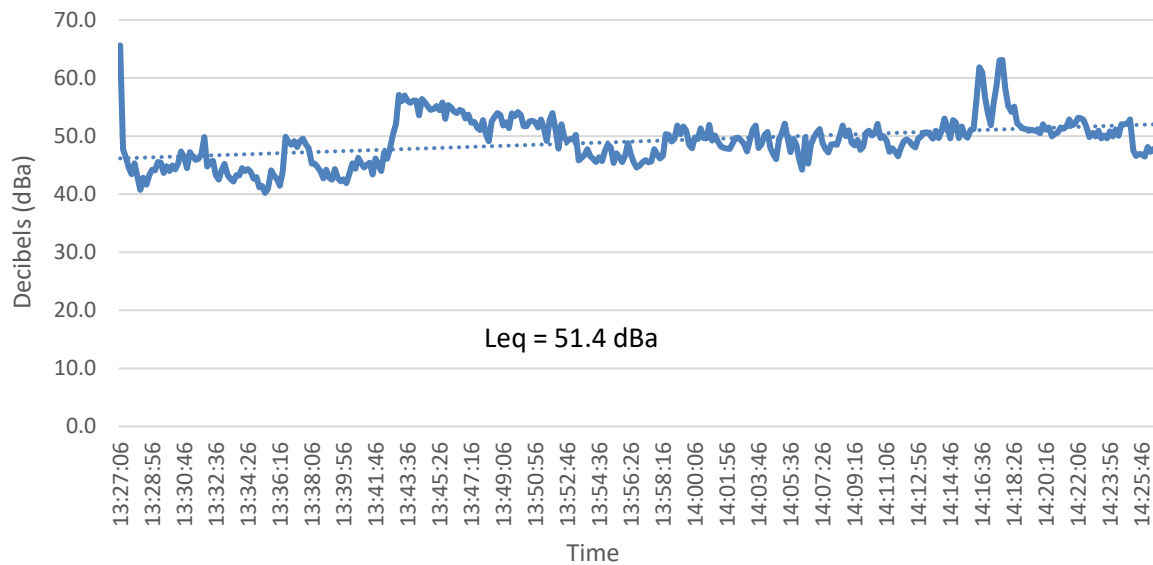


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LBVI Leq SM 6 May 27, 2020

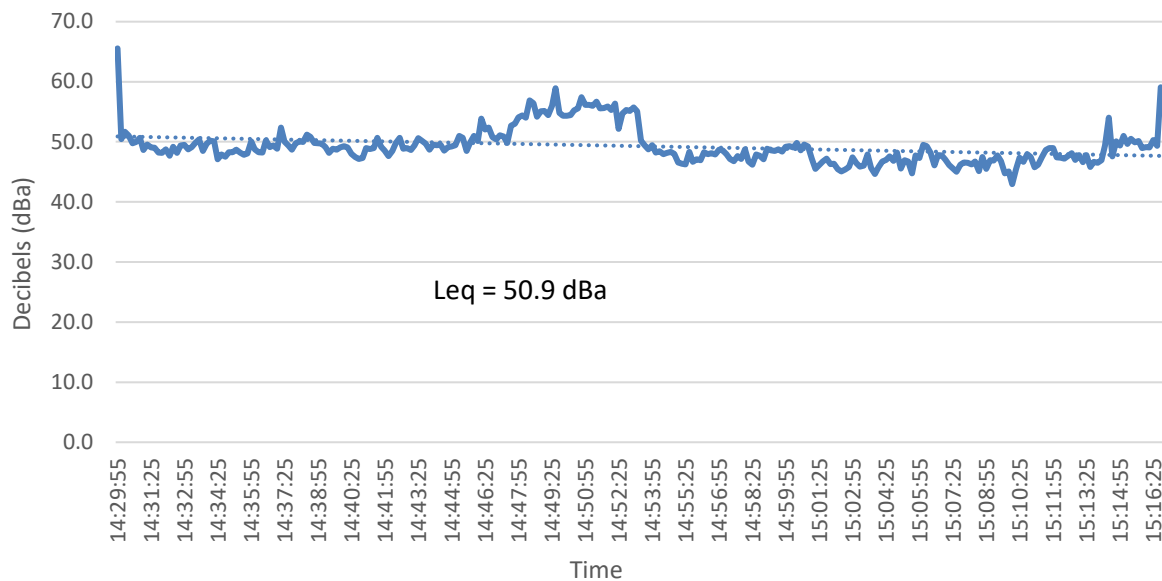




Devil's Gate Reservoir Restoration Project:  
LBVI Leq SM 7 May 27, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI Leq SM 8 May 27, 2020



# Memorandum

To: Christine Medak, USFWS

Project: Devil's Gate Reservoir Restoration Project

From: Lauren Simpson

Date: June 11, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of June 1 – June 5, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECorp Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of June 1, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of June 1, 2020 are included as attachments.

## **Project Activities – Week of June 1, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of June 1, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Preparation of the Project site for resuming sediment removal activities.
- Removal of emergent vegetation along the ESA fence line.
- Installation of the ESA fence along the eastern access road of the Project site.
- Mowing and removal of emergent vegetation within the reservoir.
- Sediment hauling activities began on June 4, 2020.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of June 1, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. No restoration activities occurred within the 300-foot buffer around the least Bell's vireo nest, which was enforced by the monitoring Designated Biologist.

## **Least Bell's Vireo Surveys and Noise Monitoring – Week of June 1, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of June 1, 2020. The two surveys conducted on June 1 and 5, 2020 were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of June 1, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
06/01/20	Jill Coumoutso
06/05/20	Lauren Simpson

The least Bell's vireos were documented during both surveys conducted during the week of June 1, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. The male was observed singing within the previously documented territory as well as further north than was previously documented. The territory size was expanded to reflect these observations. The female was observed sitting on the nest on June 5, 2020. Based on the initial observation of incubation on May 21, 2020, the nest may be in the final days of incubation or the female may have been brooding nestlings.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of June 1, 2020.

*Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of June 1, 2020 occurred on June 3, 2020. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Project activities began at 7:07 am. However, due to technical difficulties with the noise monitoring equipment, noise monitoring readings did not begin until 8:43 am. The noise monitor did take notes of all atypical noise events during the period when the equipment was not recording and did not record any atypical construction-related noise during this time. Noise monitoring for Project activities occurred between 8:43 am and 3:22 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBA. All hourly Leq measurements were below 60 dBA during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBA were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

Attachment B – Noise Monitoring Graphs

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

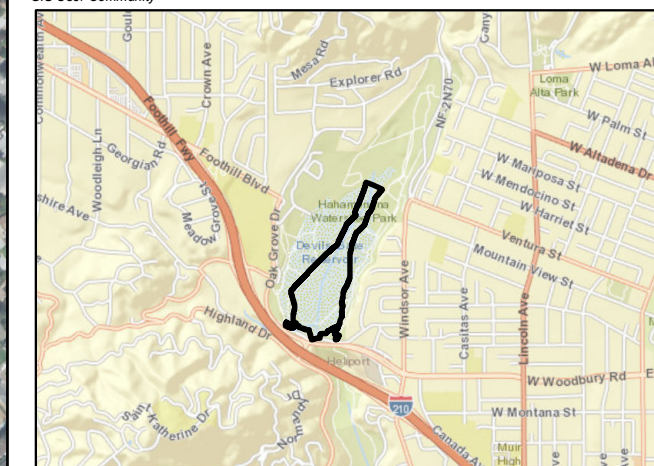




**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**June 1 - 5, 2020**

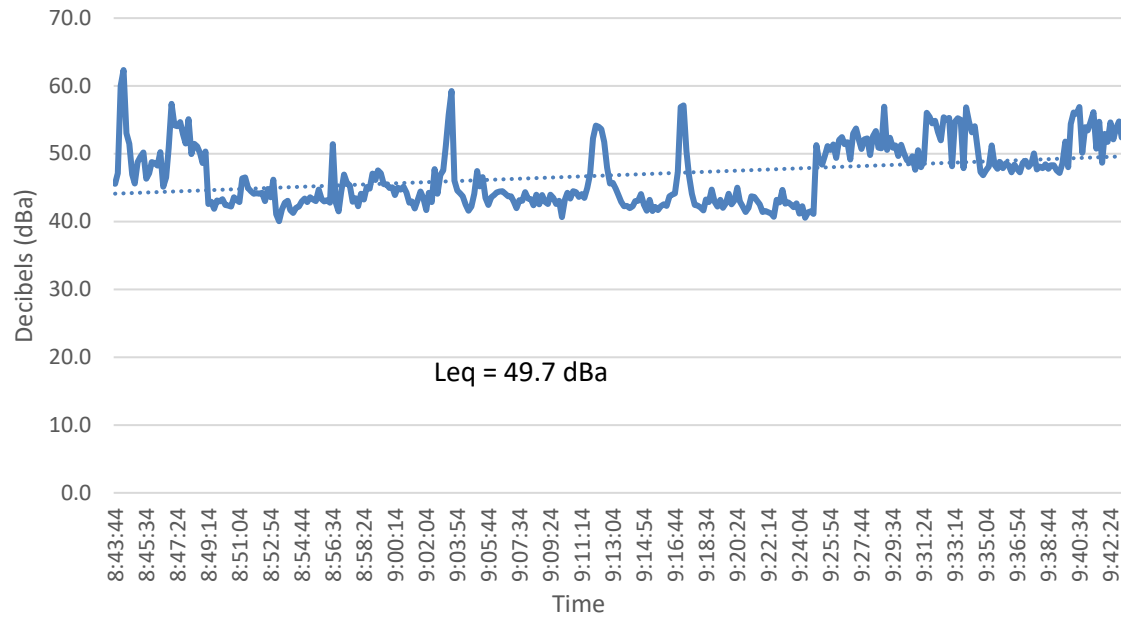
- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

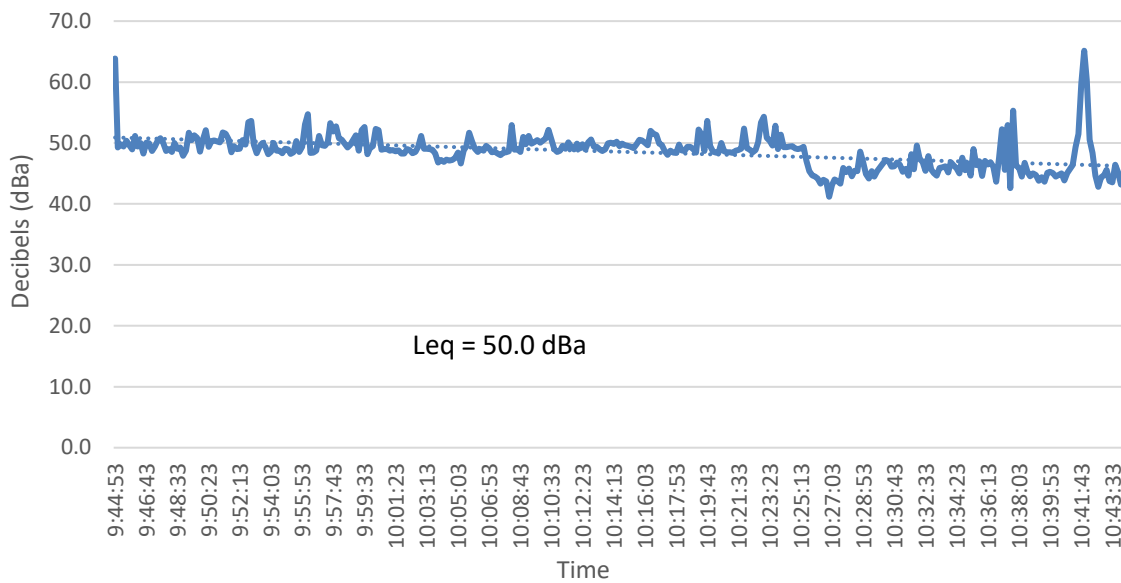




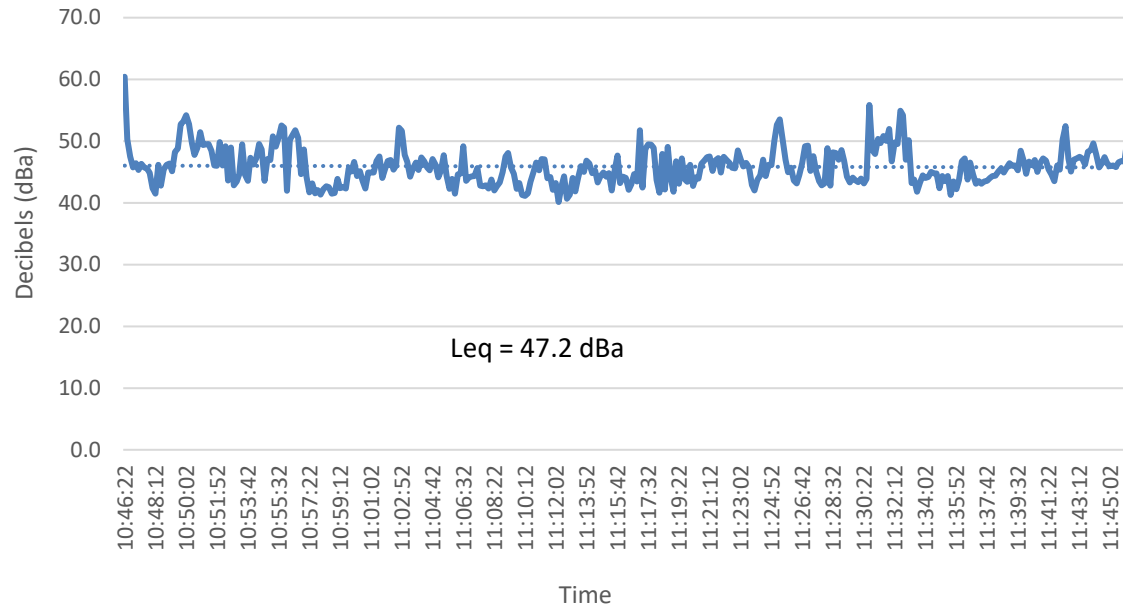
Devil's Gate Reservoir Restoration Project:  
LBVI SM2 Leq June 03,2020



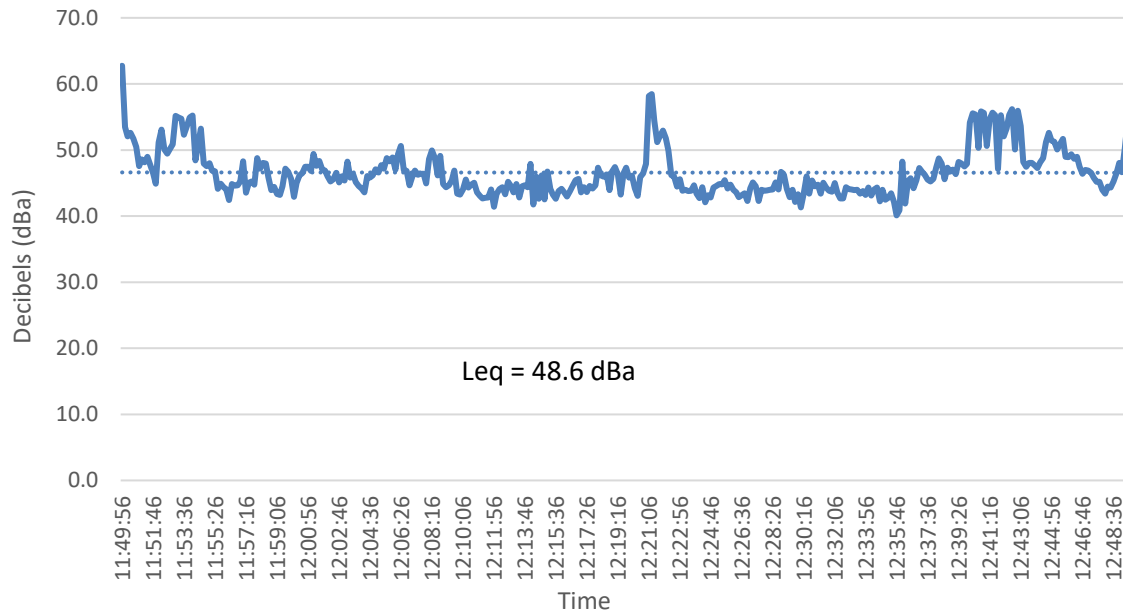
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LBVI SM3 Leq June 03, 2020



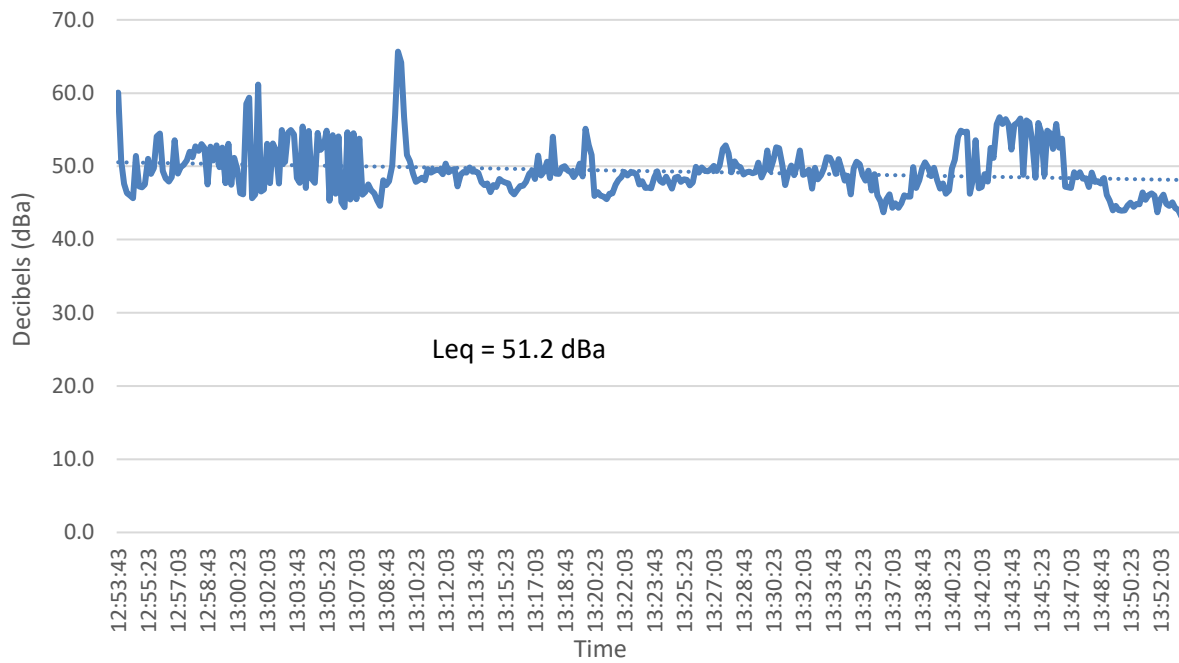
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LBVI SM4 Leq June 03, 2020



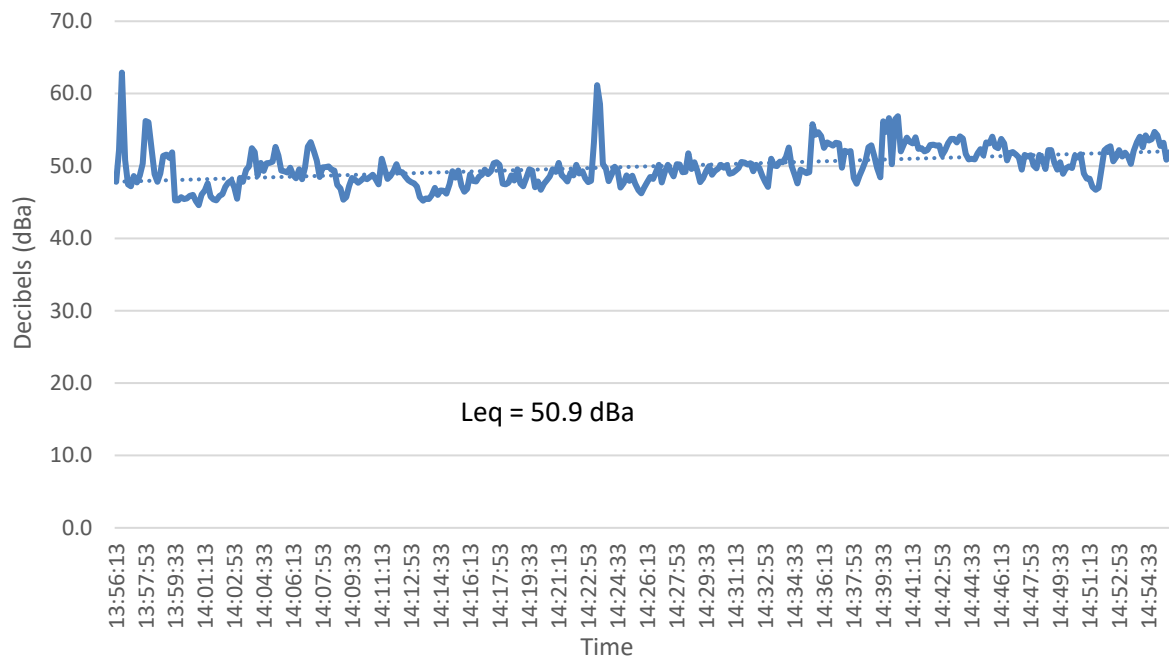
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LBVI SM5 Leq June 03, 2020



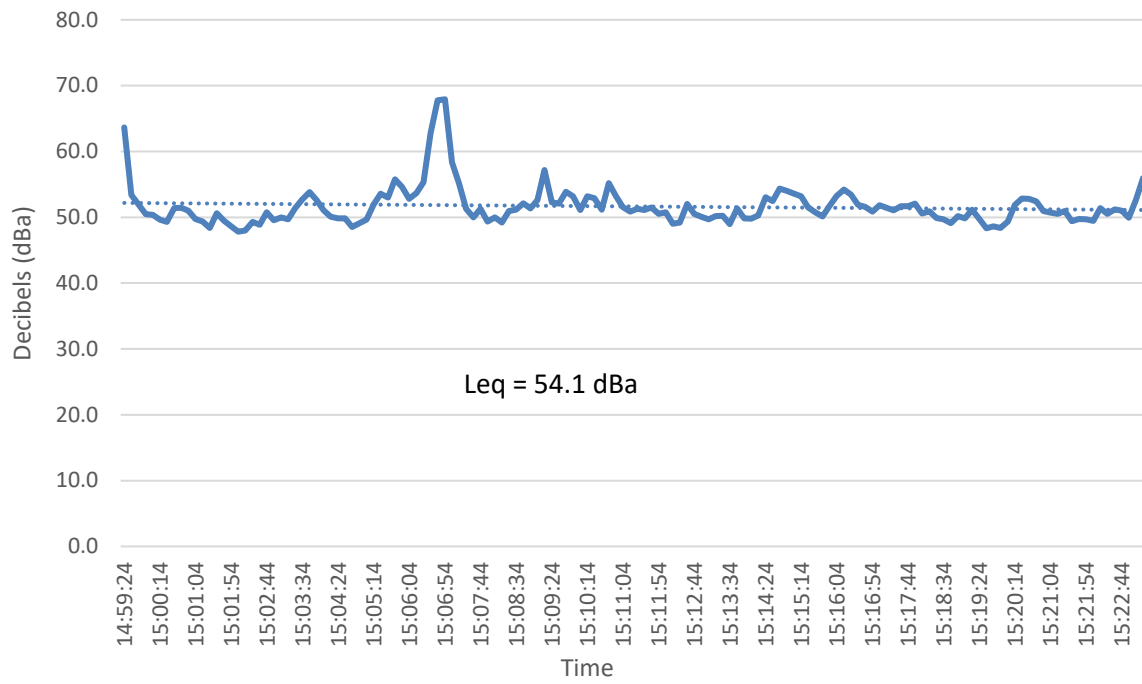
Devil's Gate Reservoir Restoration Project:  
LBVI SM6 Leq June 03, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM7 Leq June 03, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM8 Leq June 03, 2020



# Memorandum

To: Christine Medak, USFWS

Project: Devil's Gate Reservoir Restoration Project

From: Lauren Simpson

Date: June 18, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of June 8 – June 12, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of June 8, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of June 8, 2020 are included as attachments.



## **Project Activities – Week of June 8, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of June 8, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of June 8, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. No restoration activities occurred within the 300-foot buffer around the least Bell's vireo nest, which was enforced by the monitoring Designated Biologist.

## **Least Bell's Vireo Surveys and Noise Monitoring – Week of June 8, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of June 8, 2020. The two surveys conducted on June 8 and 12, 2020 were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of June 8, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
06/08/20	Jill Coumoutso
06/12/20	Shannan Shaffer

The least Bell's vireos were documented during both surveys conducted during the week of June 8, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. The male was observed singing within the previously documented territory as well as further east than was previously documented. The territory size was expanded to reflect these observations. The Designated Biologist observed the nest on June 8, 2020 after the female vireo briefly left the nest. Four nestlings were observed within the nest. The nestlings appeared to be 7 to 8 days old and close to fledging (which typically occurs at 12 days). During the survey on June 12, 2020, the Designated Biologist observed the nest and determined it to be empty.

Begging fledglings were heard in a mulefat shrub close to the nest location and the male and female least Bell's vireo were active in the area. The least Bell's vireo nest was determined to have successfully fledged as of June 12, 2020. The 300-foot buffer will remain in place around the nesting location until the fledglings are independent of the pair and no additional signs of nesting are observed by the Designated Biologist.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of June 8, 2020.

#### *Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of June 8, 2020 occurred on June 10, 2020. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 7:07 am and 3:31 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBa. All hourly Leq measurements were below 60 dBa during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBa were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

- Attachment A – Location of Least Bell's Vireo Nest and Territory
- Attachment B – Noise Monitoring Graphs

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

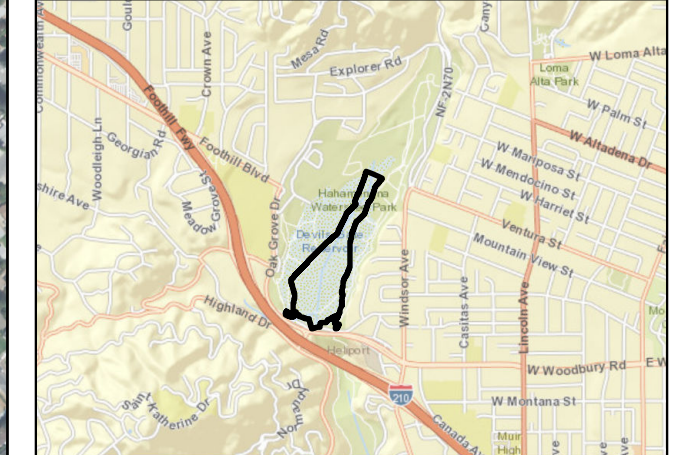




**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**June 8 - 12, 2020**

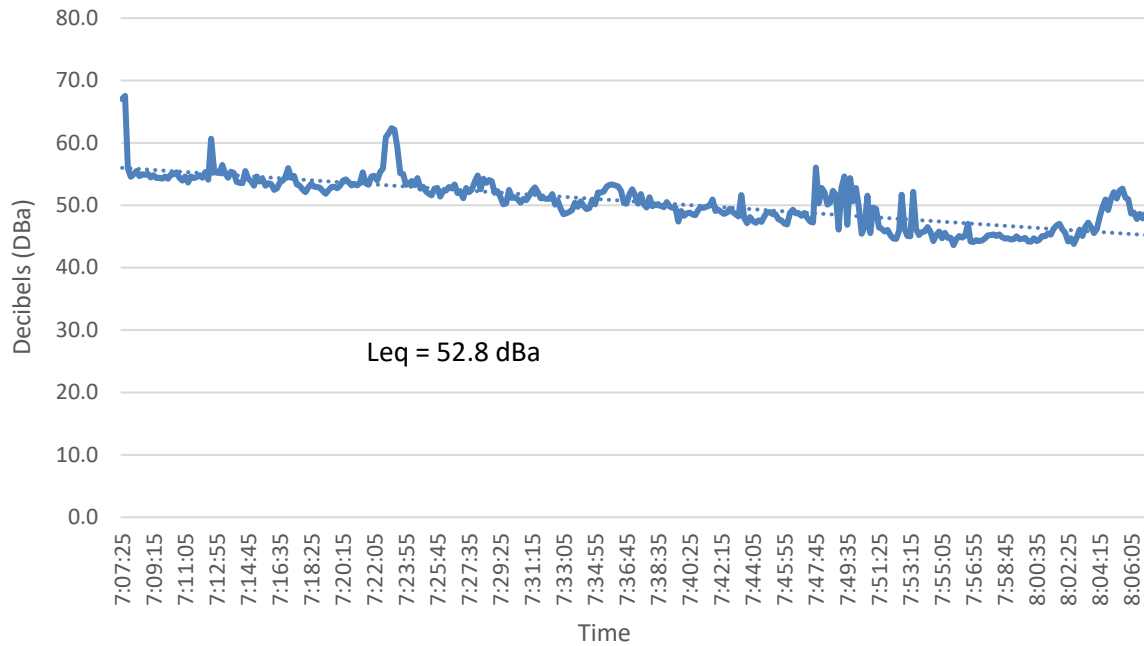
- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

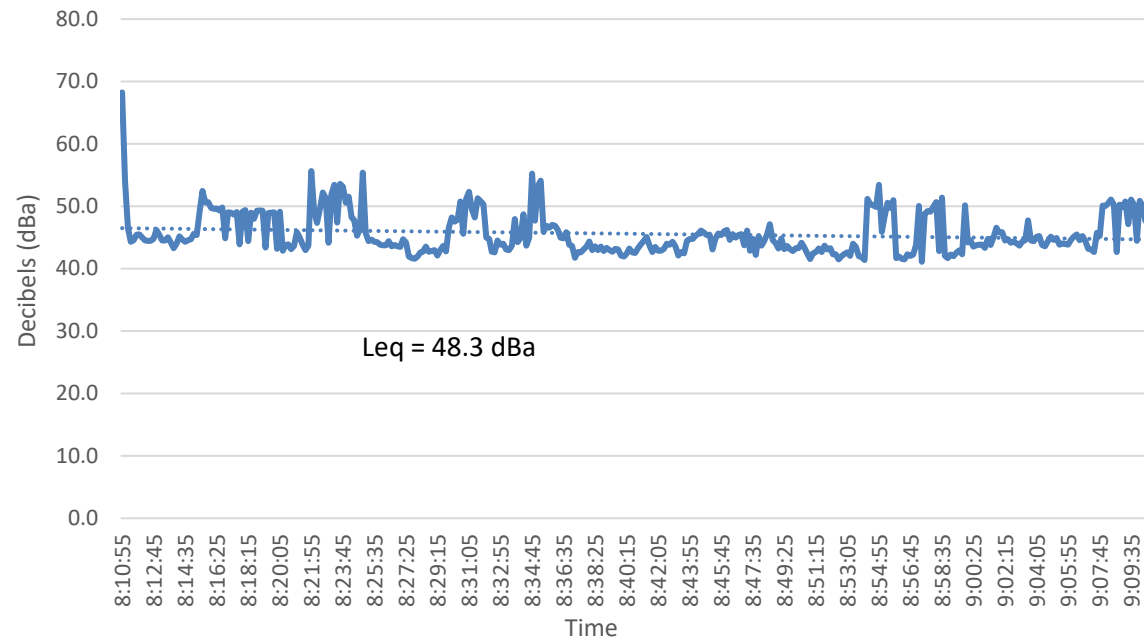




Devil's Gate Reservoir Restoration Project:  
LBVI SM1 Leq June 10, 2020

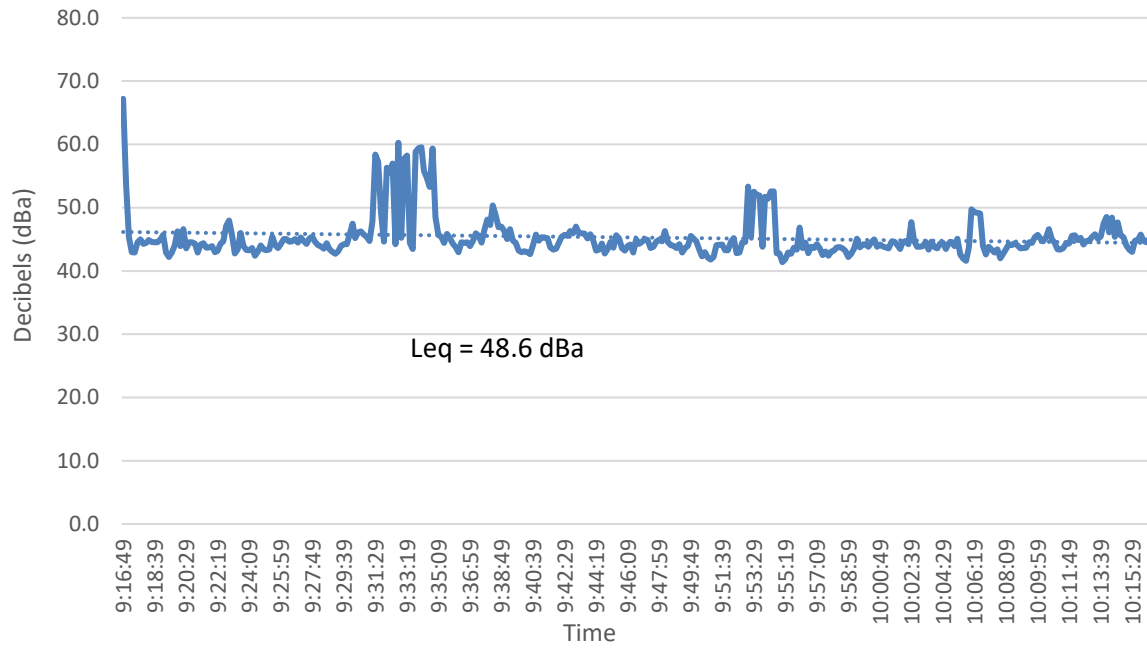


Devil's Gate Reservoir Restoration Project:  
LBVI SM2 Leq June 10, 2020

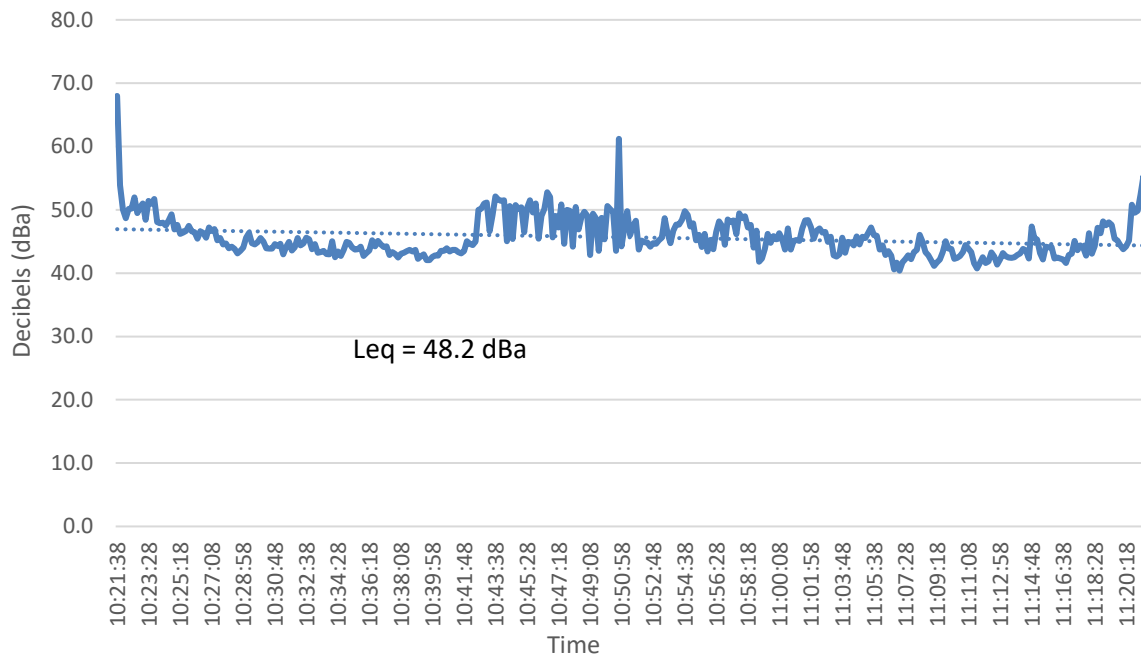




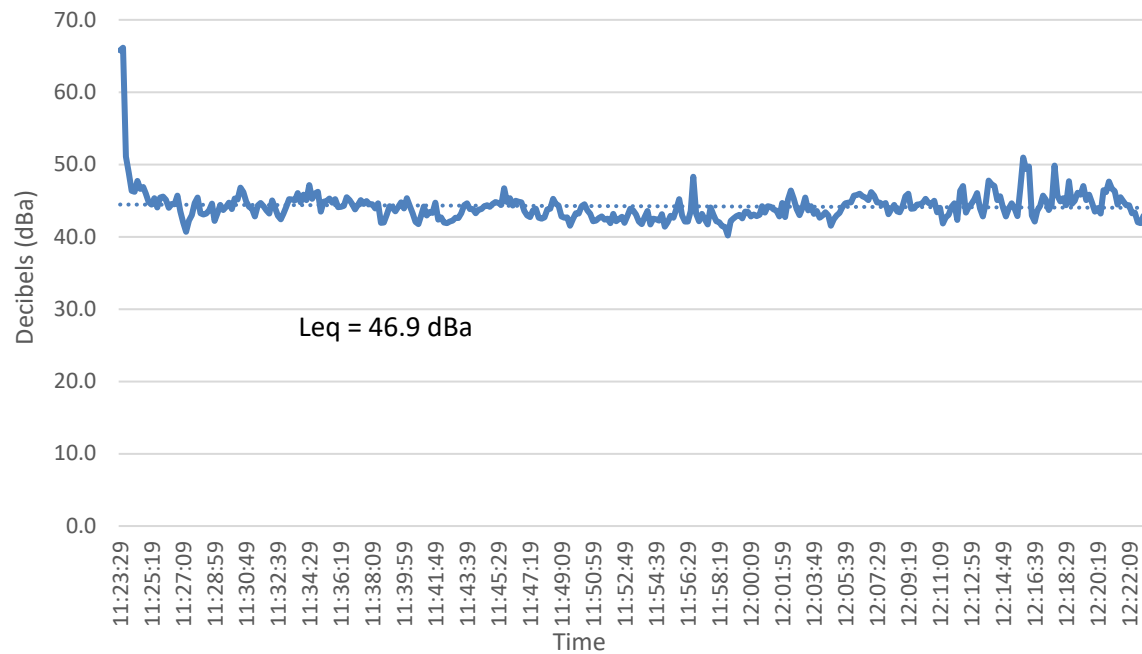
Devil's Gate Reservoir Restoration Project:  
LBVI SM3 Leq June 10, 2020



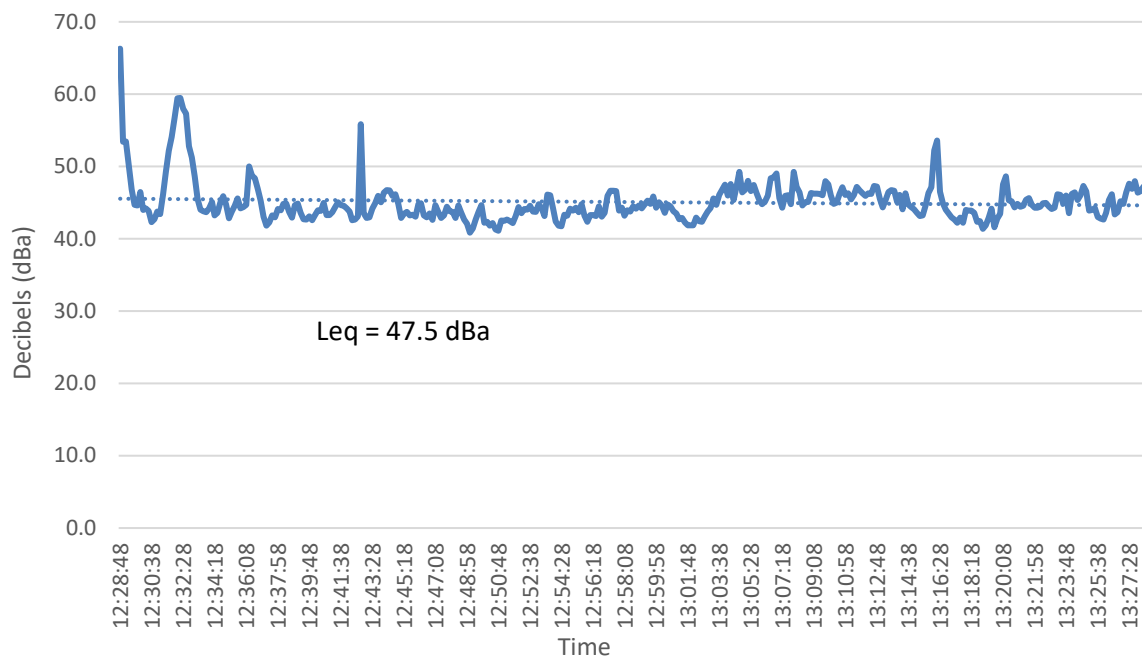
Devil's Gate Reservoir Restoration Project:  
LBVI SM4 Leq June 10, 2020



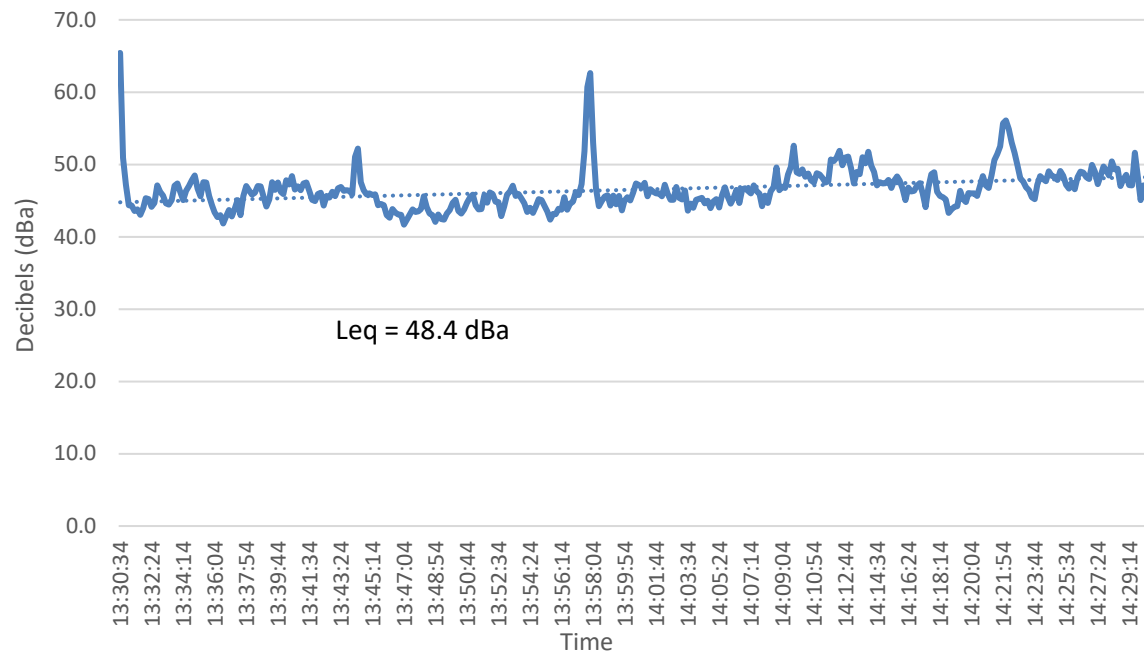
Devil's Gate Reservoir Restoration Project:  
LBVI SM5 Leq June 10, 2020



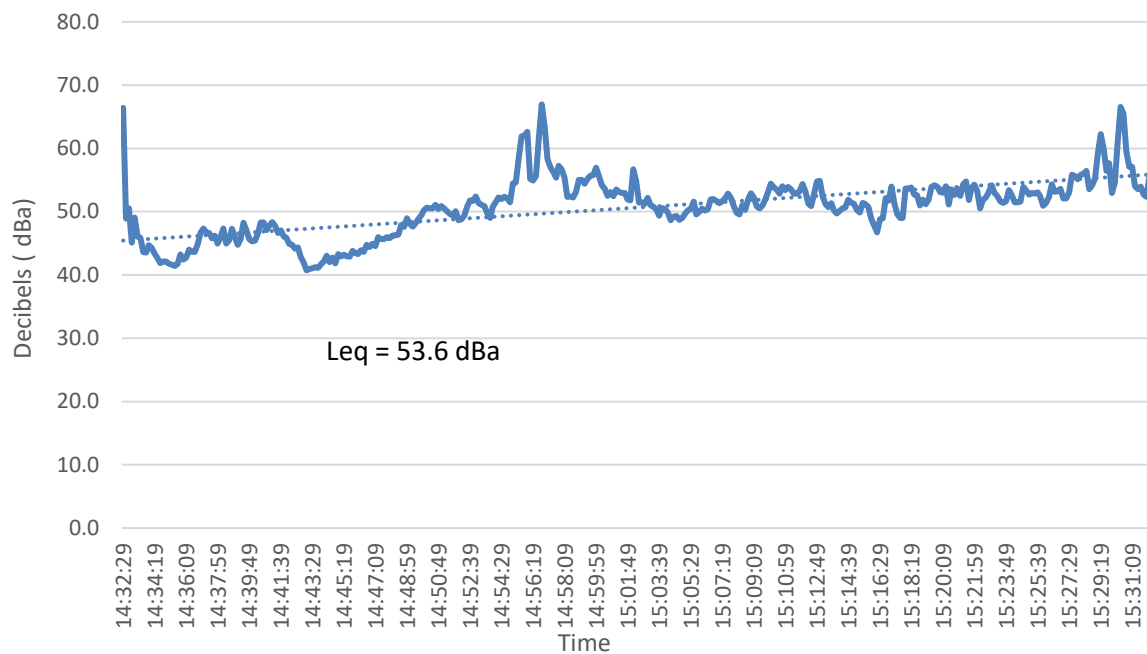
Devil's Gate Reservoir Restoration Project:  
LBVI SM6 Leq June 10, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM7 Leq June 10, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM8 Leq June 10, 2020



# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: June 23, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of June 15 – June 19, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of June 15, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of June 15, 2020 are included as attachments.

## **Project Activities – Week of June 15, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of June 15, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of June 15, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. No restoration activities occurred within the 300-foot buffer around the least Bell's vireo nest, which was enforced by the monitoring Designated Biologist.

## **Least Bell's Vireo Surveys and Noise Monitoring – Week of June 15, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of June 15, 2020. The two surveys conducted on June 15 and 18, 2020 were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of June 15, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
06/15/20	Shannan Shaffer
06/18/20	Shannan Shaffer

The least Bell's vireos were documented during both surveys conducted during the week of June 15, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. The male was observed singing within the previously documented territory. During both surveys, the Designated Biologist observed the pair foraging within the territory. Begging fledglings were heard in a mulefat shrub close to the nest location and the male and female least Bell's vireo were active in the area. On June 17, 2020, the least Bell's vireo Designated Biologist conducting the weekly noise monitoring observed the pair feeding at least two fledglings in mulefat shrubs near the nest location. The 300-foot buffer will remain in place around the



nesting location until the fledglings are independent of the pair and no additional signs of nesting are observed by the Designated Biologist.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of June 15, 2020.

*Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of June 15, 2020 occurred on June 17, 2020. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 6:59 am and 3:05 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBa. All hourly Leq measurements were below 60 dBa during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBa were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

Attachments:

- Attachment A – Location of Least Bell's Vireo Nest and Territory
- Attachment B – Noise Monitoring Graphs

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

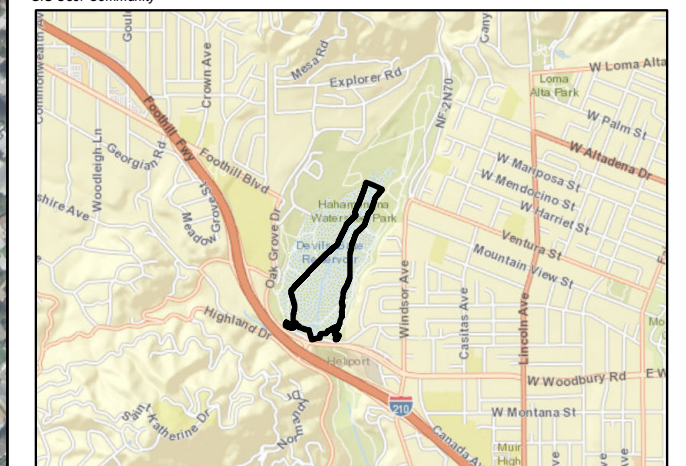




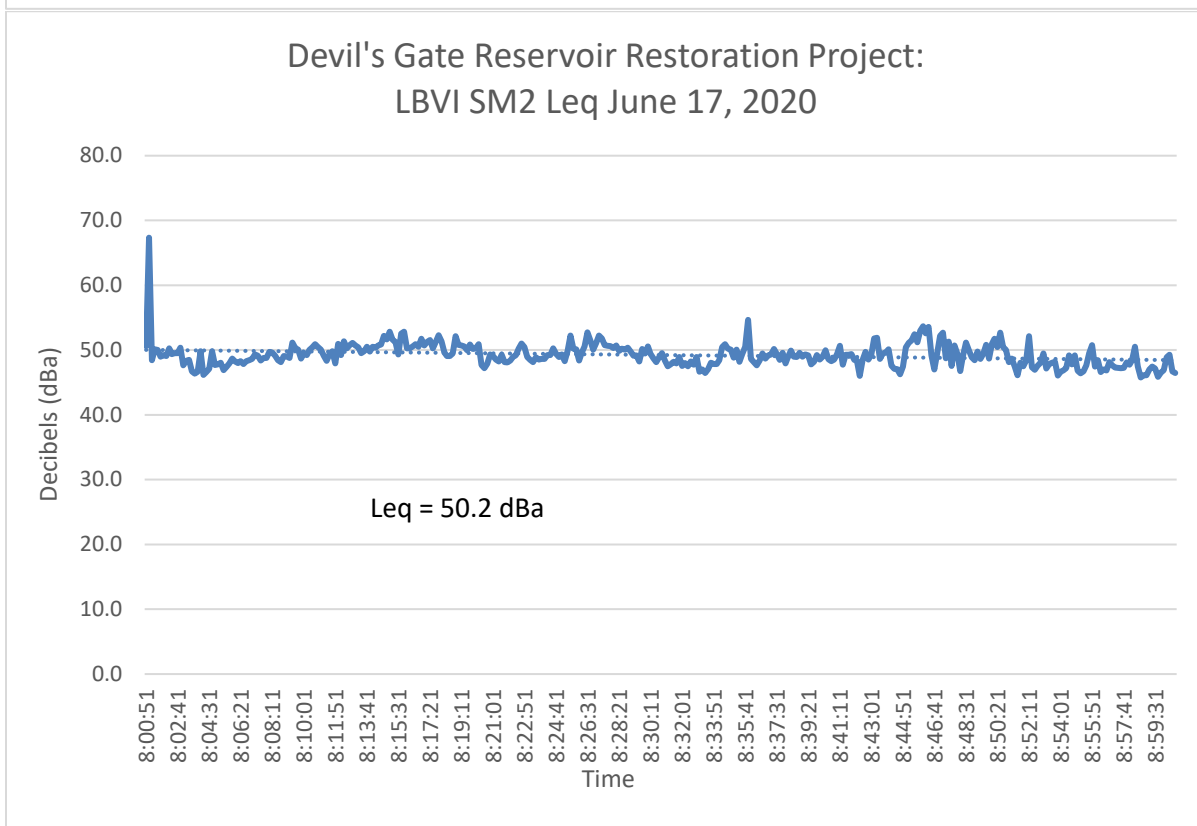
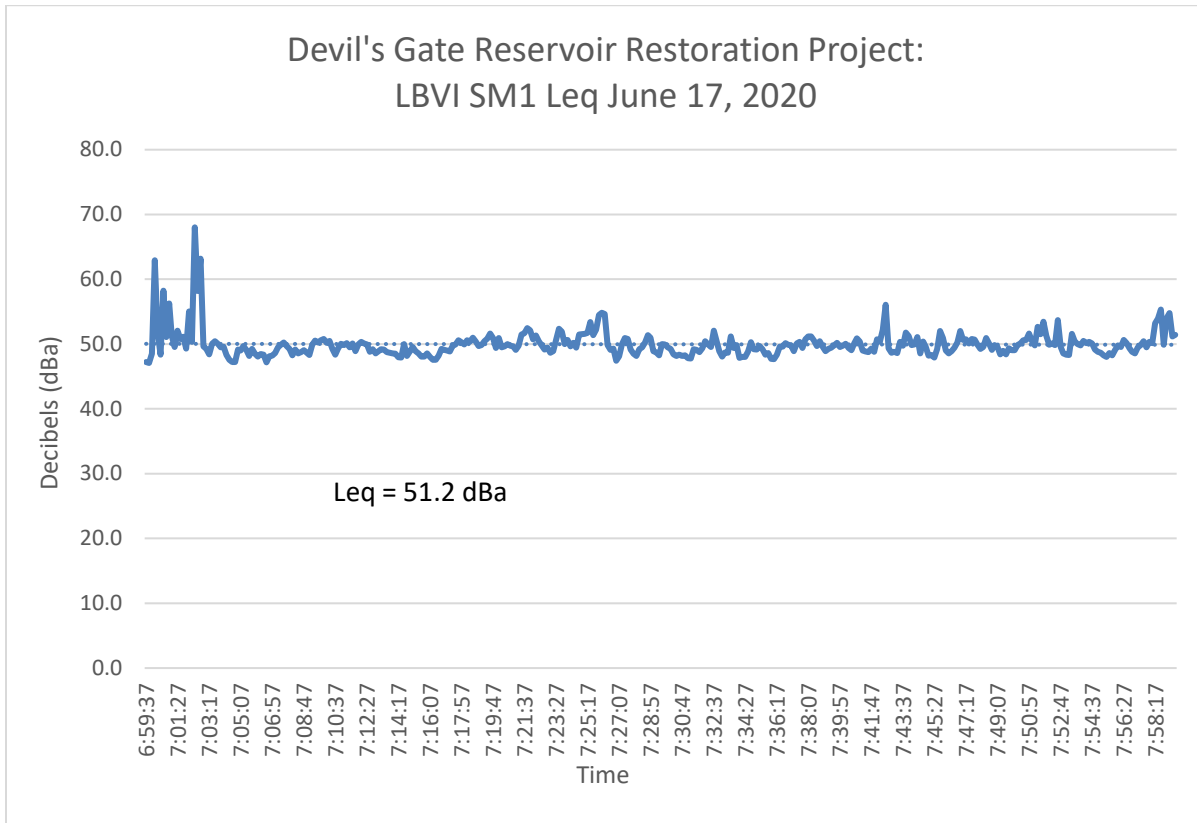
**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**June 15 - 19, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

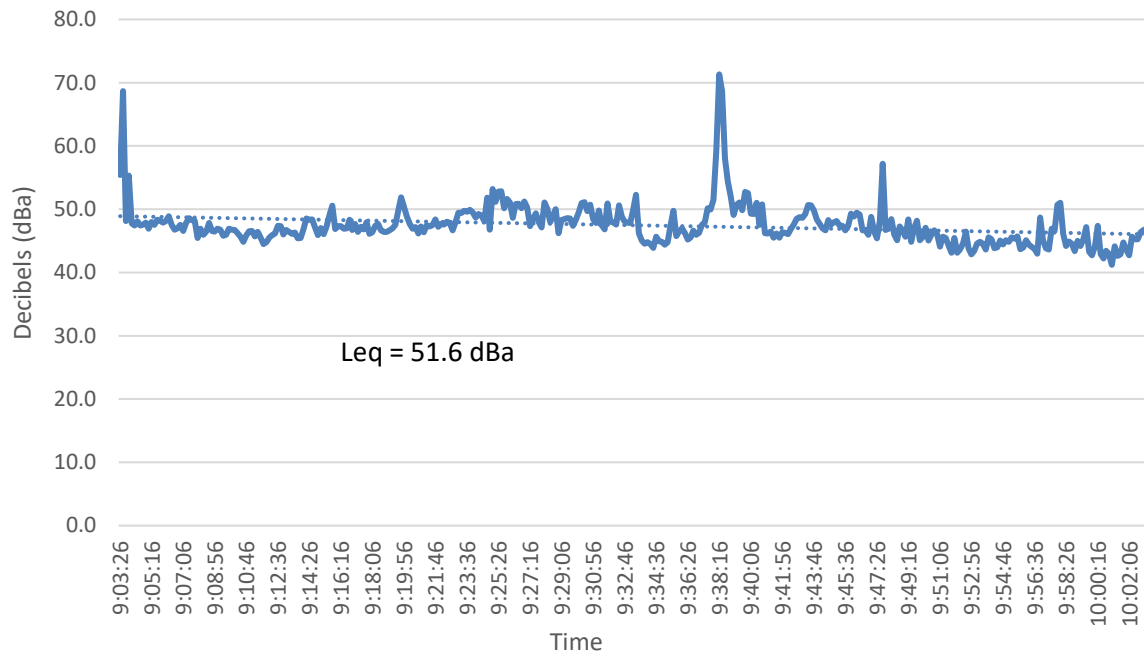
Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



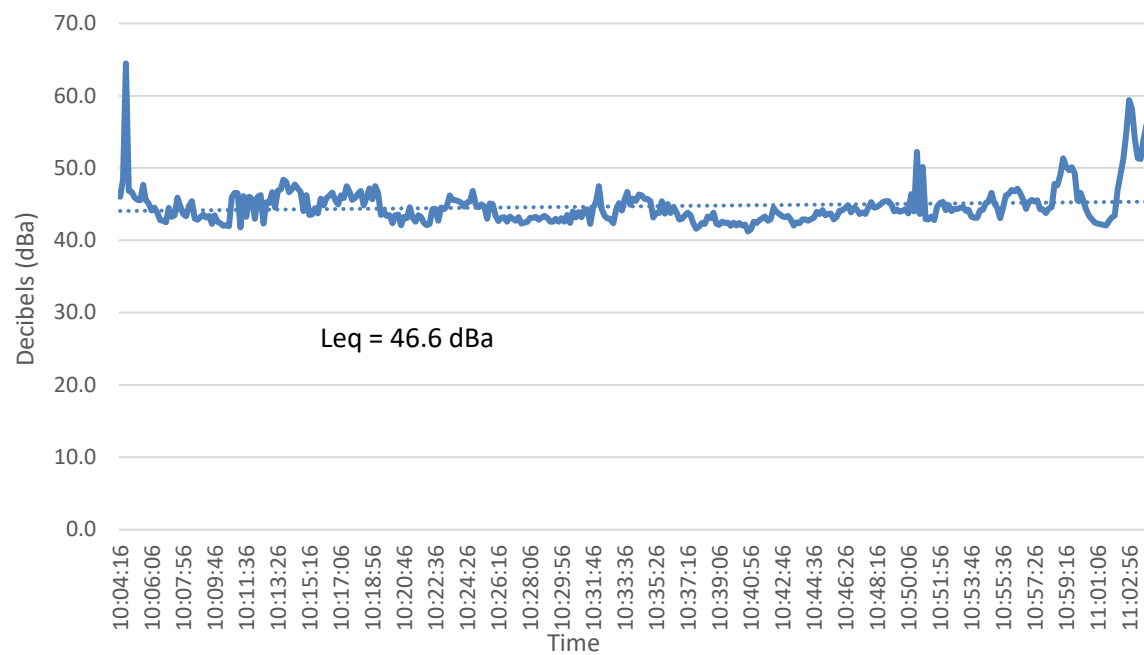




Devil's Gate Reservoir Restoration Project:  
LBVI SM3 Leq June 17, 2020

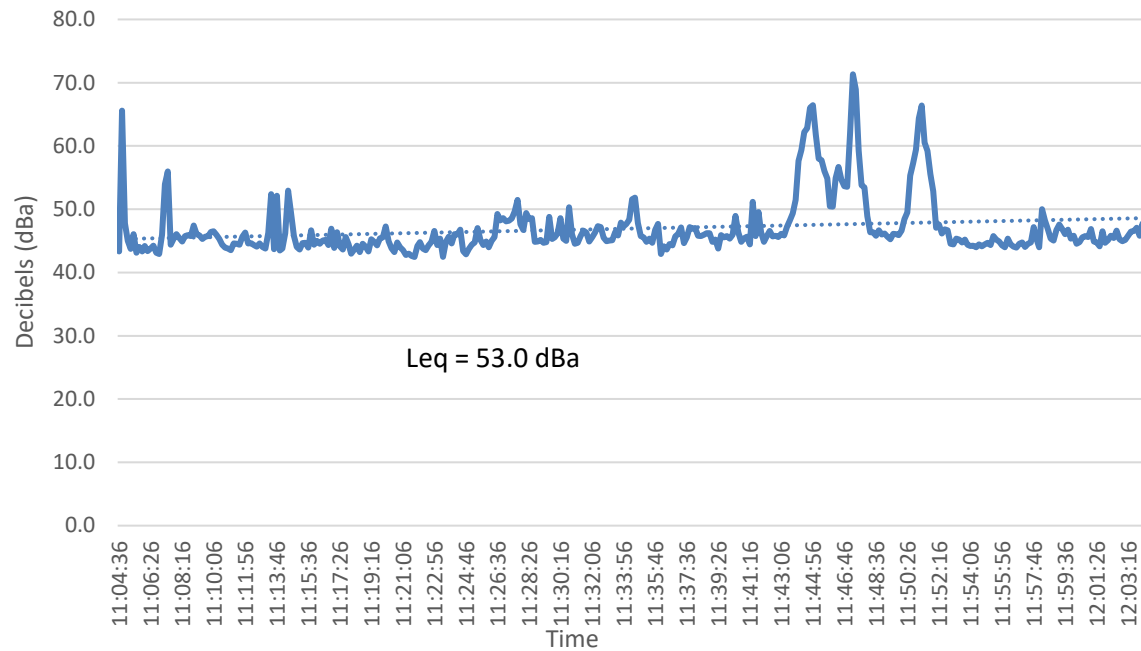


Devil's Gate Reservoir Restoration Project:  
LBVI SM4 Leq June 17, 2020

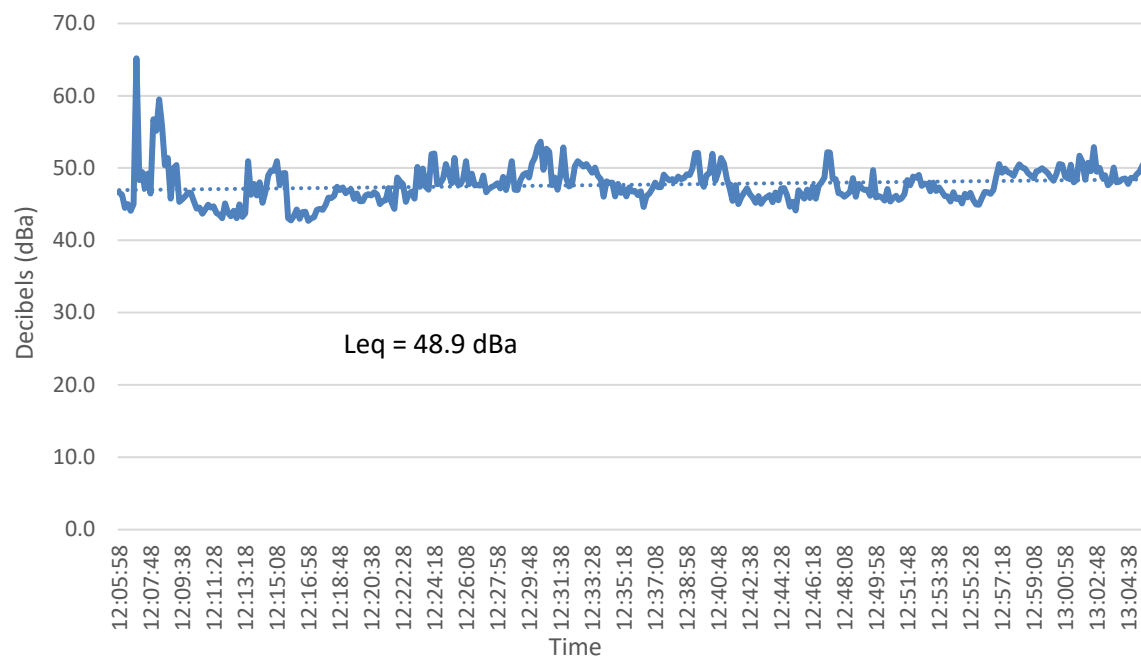




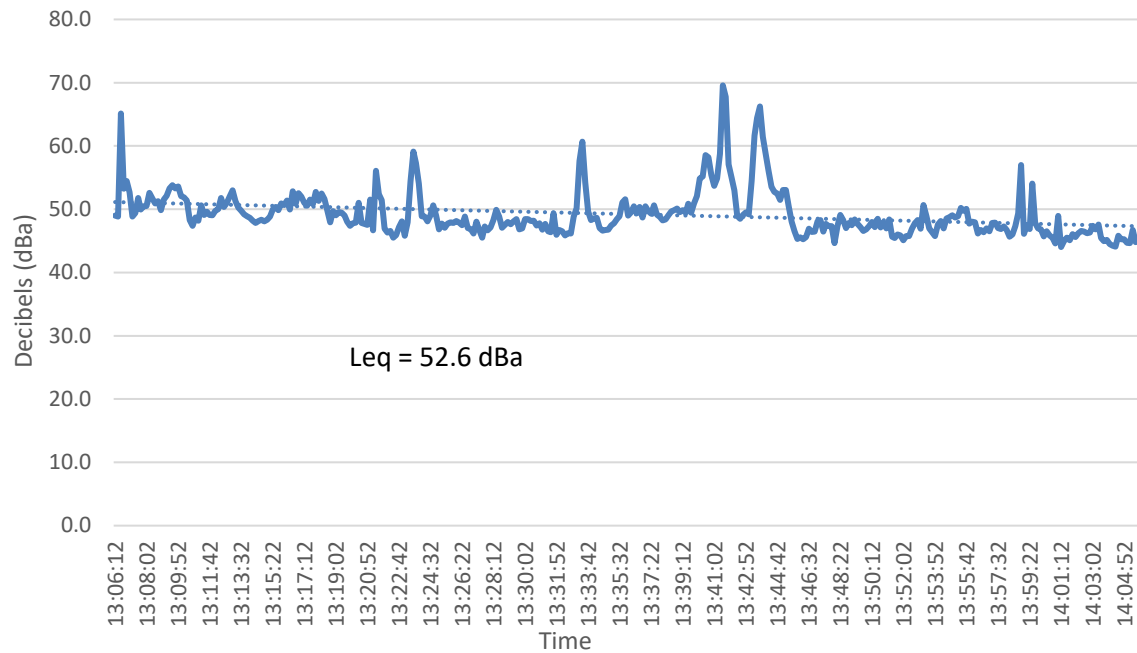
Devil's Gate Reservoir Restoration Project:  
LBVI SM5 Leq June 17, 2020



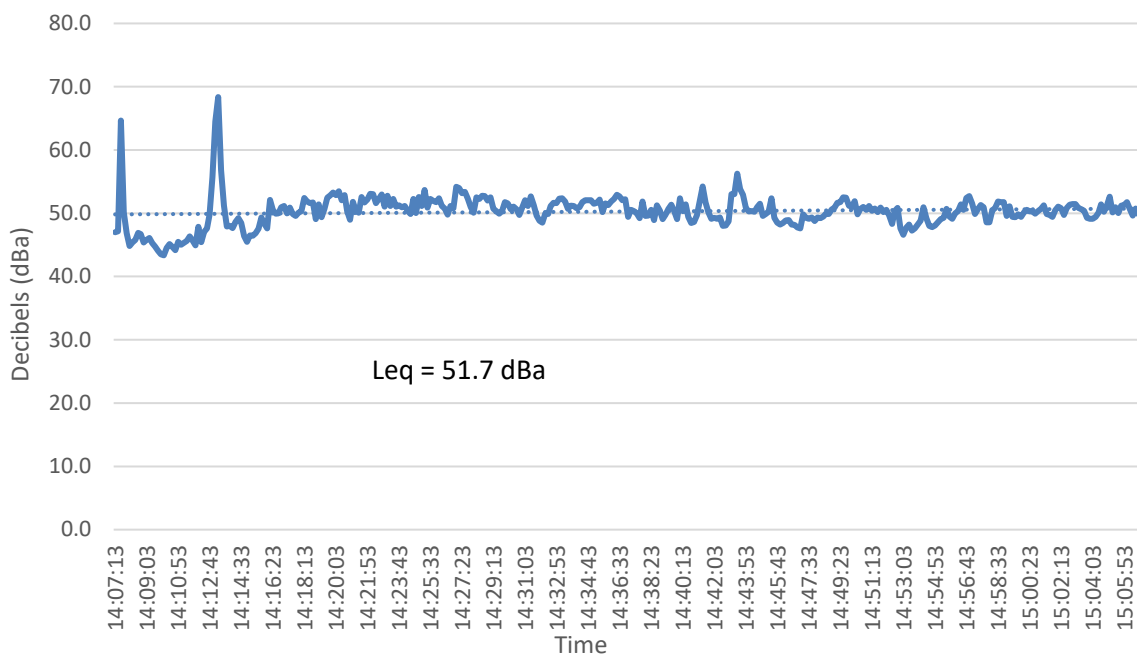
Devil's Gate Reservoir Restoration Project:  
LBVI SM6 Leq June 17, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM7 Leq June 17, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM8 Leq June 17, 2020



# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: June 30, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of June 22 – June 26, 2020**

---

This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of June 22, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of June 22, 2020 are included as attachments.

## **Project Activities – Week of June 22, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of June 22, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of June 22, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. No restoration activities occurred within the 300-foot buffer around the least Bell's vireo nest, which was enforced by the monitoring Designated Biologist.

## **Least Bell's Vireo Surveys and Noise Monitoring – Week of June 22, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of June 22, 2020. The two surveys conducted on June 22 and 26, 2020 were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of June 22, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
06/22/20	Jill Coumoutso
06/26/20	Shannan Shaffer

The least Bell's vireos were documented during surveys conducted during the week of June 22, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. The male was observed singing within the previously documented territory. During the survey conducted on June 22, 2020, the Designated Biologist observed the pair feeding at least two fledglings. The least Bell's vireo were not observed and the male was not heard singing during the survey conducted on June 26, 2020. The reduced activity observed during surveys may indicate that the pair has completed breeding activities for the season. The 300-foot buffer will remain in place around the nesting location until the fledglings are independent of

the pair and no additional signs of nesting are observed by the Designated Biologist.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of June 22, 2020.

*Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of June 22, 2020 occurred on June 24, 2020. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 7:01 am and 2:58 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBa. All hourly Leq measurements were below 60 dBa during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBa were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

Attachment B – Noise Monitoring Graphs



## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory



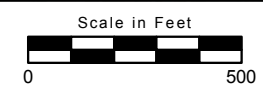
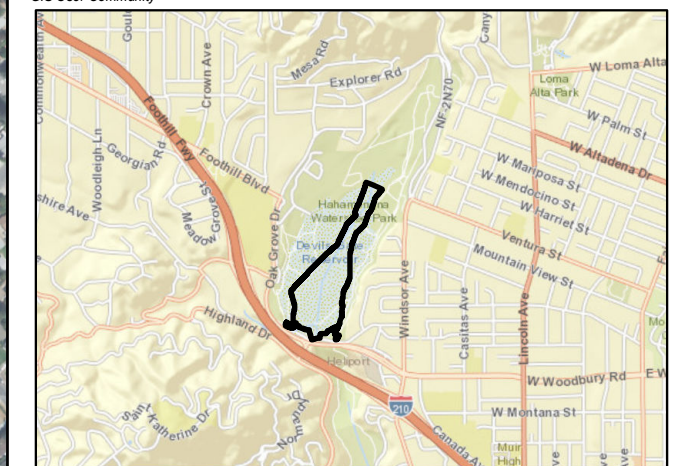
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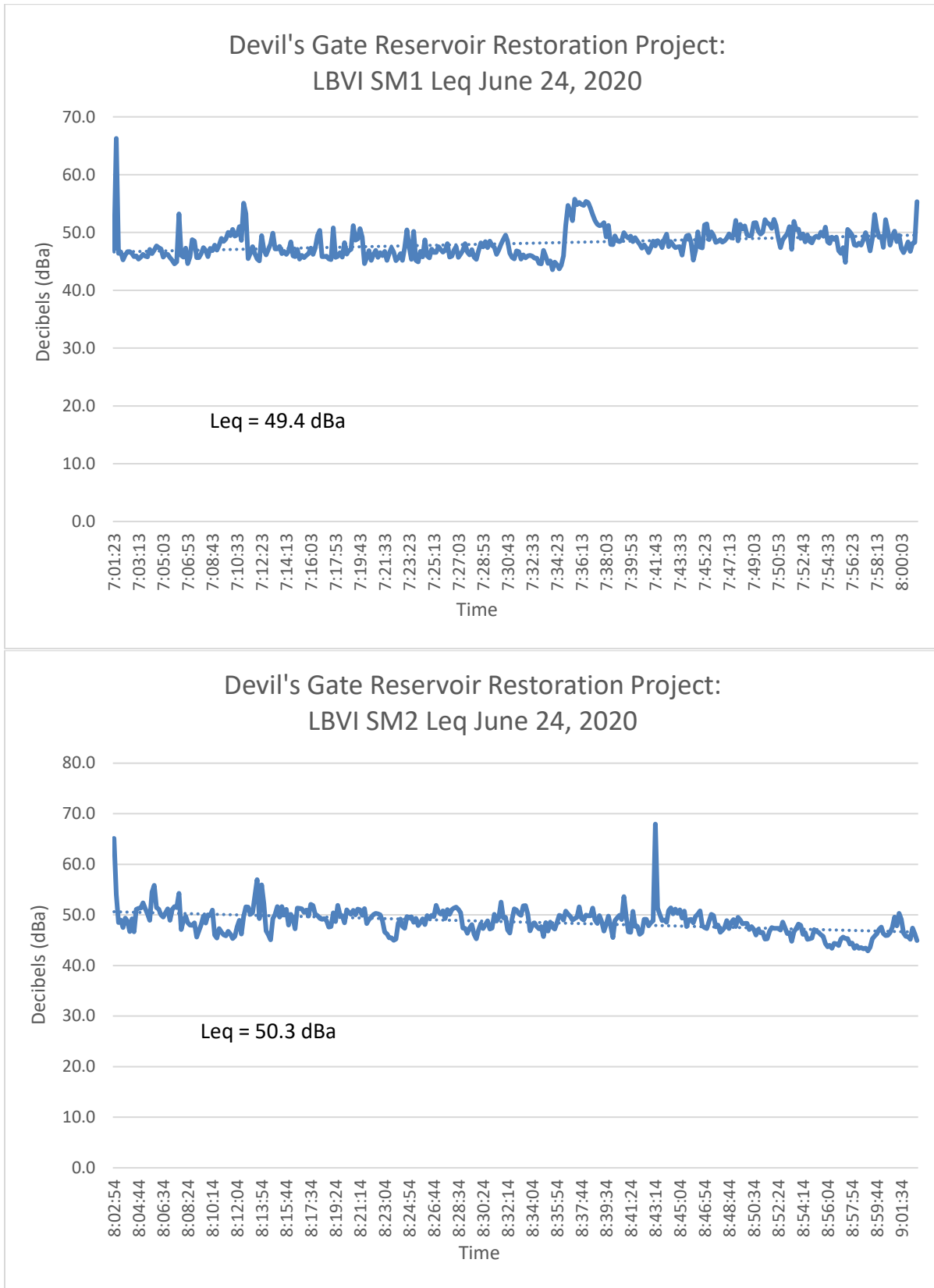
**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**June 22 - 26, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

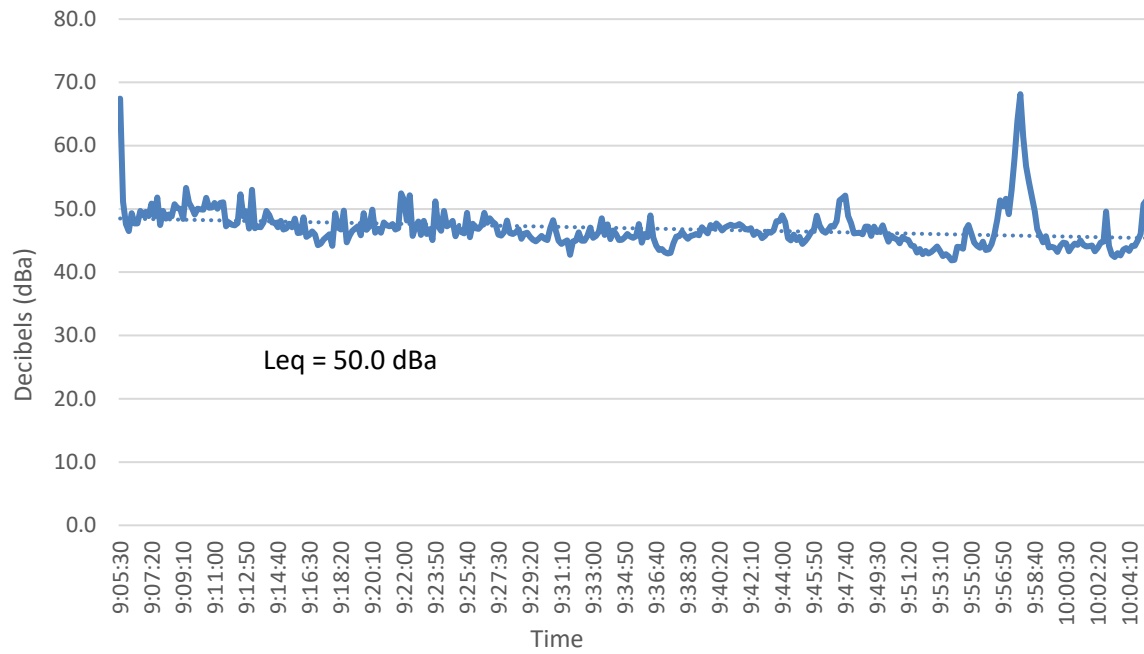
Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



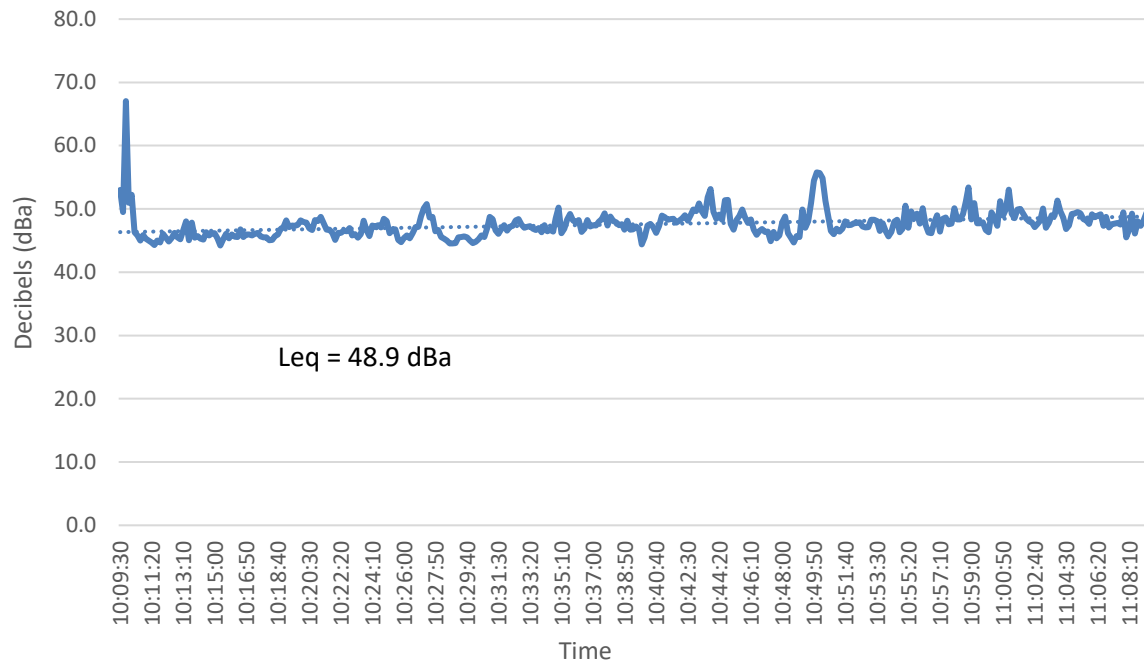




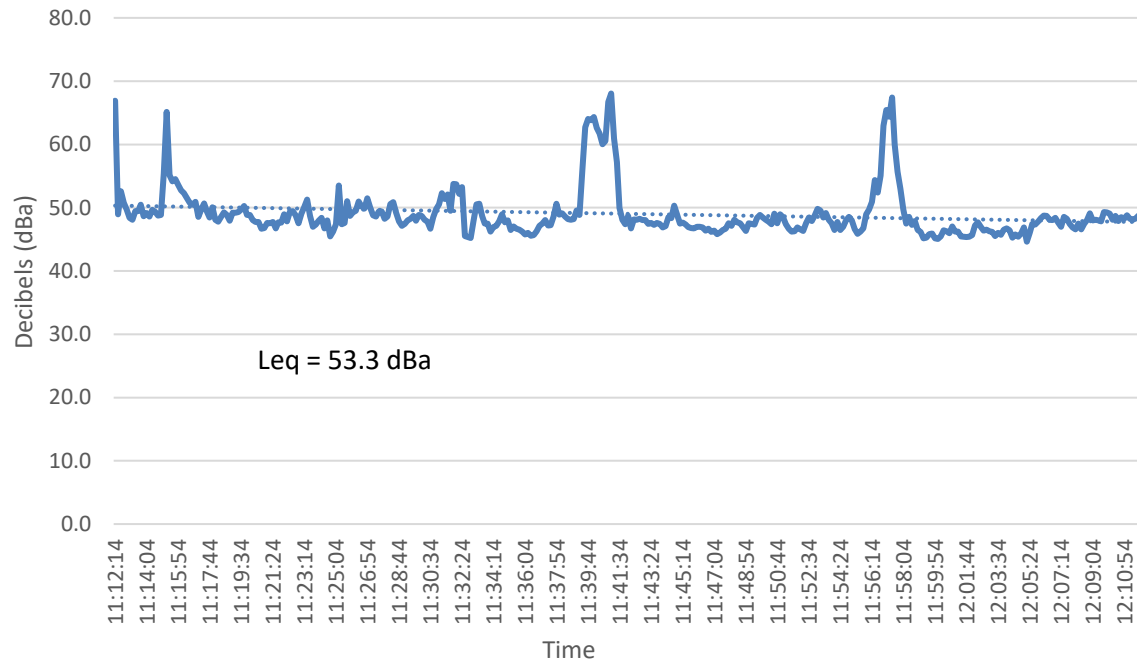
Devil's Gate Reservoir Restoration Project:  
LBVI SM3 Leq June 24, 2020



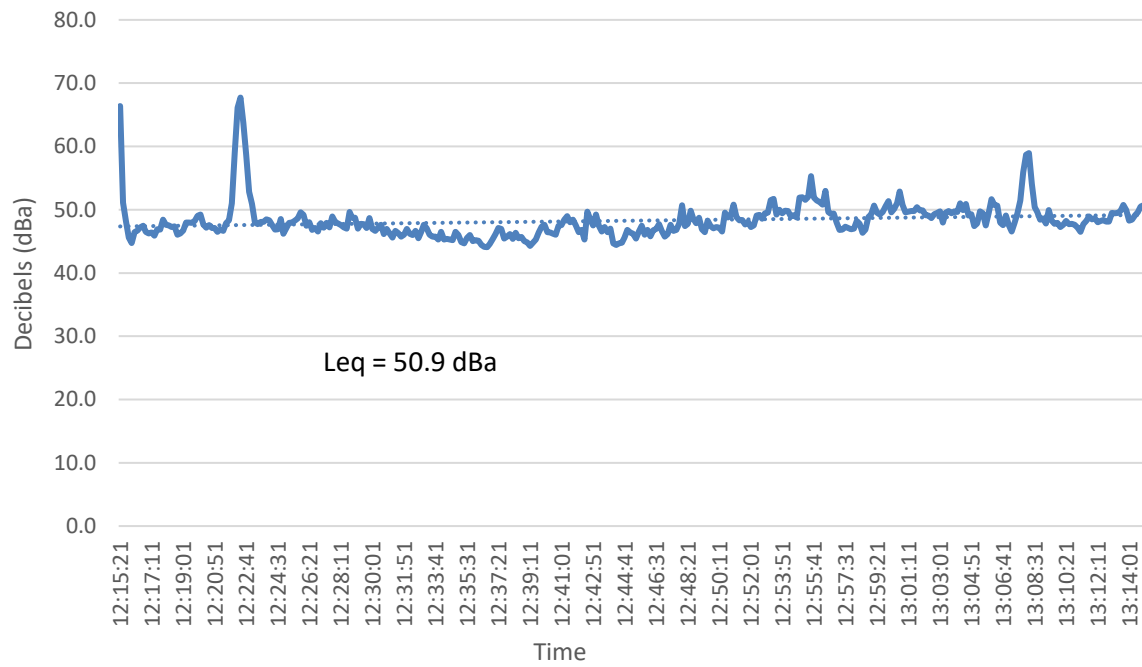
Devil's Gate Reservoir Restoration Project:  
LBVI SM4 Leq June 24, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM5 Leq June 24, 2020

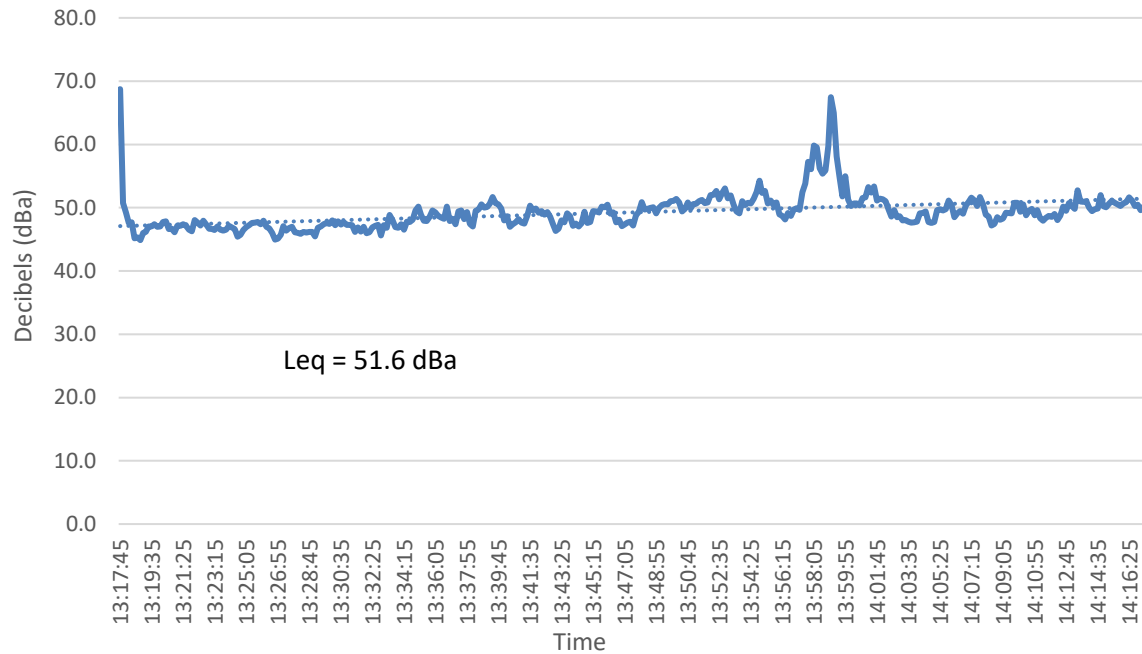


Devil's Gate Reservoir Restoration Project:  
LBVI SM6 Leq June 24, 2020

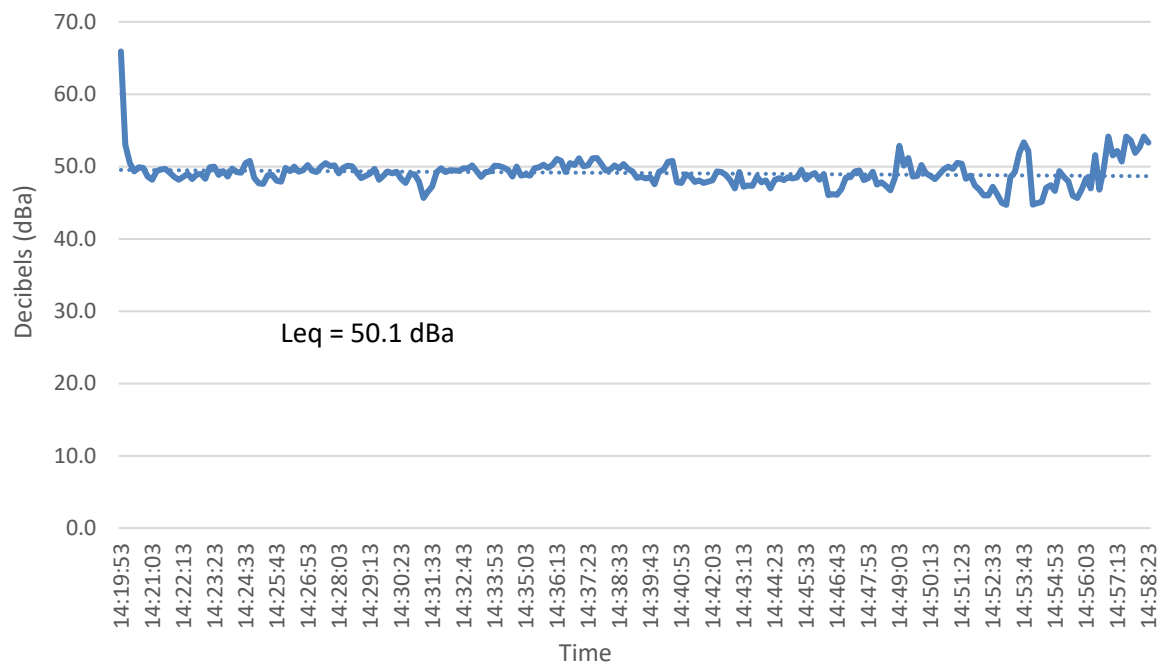




Devil's Gate Reservoir Restoration Project:  
LBVI SM7 Leq June 24, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM8 Leq June 24, 2020



# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: July 7, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of June 29 – July 3, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of June 29, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of June 29, 2020 are included as attachments.

## **Project Activities – Week of June 29, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of June 29, 2020. No work occurred on Friday July 3, 2020, due to the Independence Day holiday. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of June 29, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. No restoration activities occurred within the 300-foot buffer around the least Bell's vireo nest, which was enforced by the monitoring Designated Biologist.

## **Least Bell's Vireo Surveys and Noise Monitoring – Week of June 29, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of June 29, 2020. The two surveys, which occurred on June 29 and July 2, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of June 29, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
06/29/20	Shannan Shaffer
07/02/20	Jill Coumoutso

The least Bell's vireos were documented during surveys conducted during the week of June 29, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. During the survey conducted on June 29, 2020, the least Bell's vireos were not observed and the male was not heard singing. During the survey conducted on July 2, 2020, the Designated Biologist observed the male singing briefly within the previously documented territory and feeding at least one fledgling. The female was not observed during surveys. The reduced activity observed during surveys may indicate that the pair has completed

breeding activities for the season. The 300-foot buffer will remain in place around the nesting location until the fledglings are independent of the pair and no additional signs of nesting are observed by the Designated Biologist.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of June 29, 2020.

*Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of June 29, 2020 occurred on July 1, 2020. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 6:56 am and 3:04 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBa. All hourly Leq measurements were below 60 dBa during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBa were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

Attachments:

- Attachment A – Location of Least Bell's Vireo Nest and Territory
- Attachment B – Noise Monitoring Graphs

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

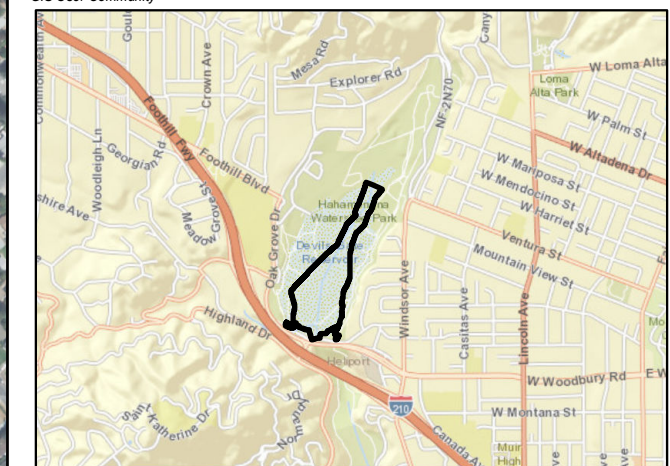




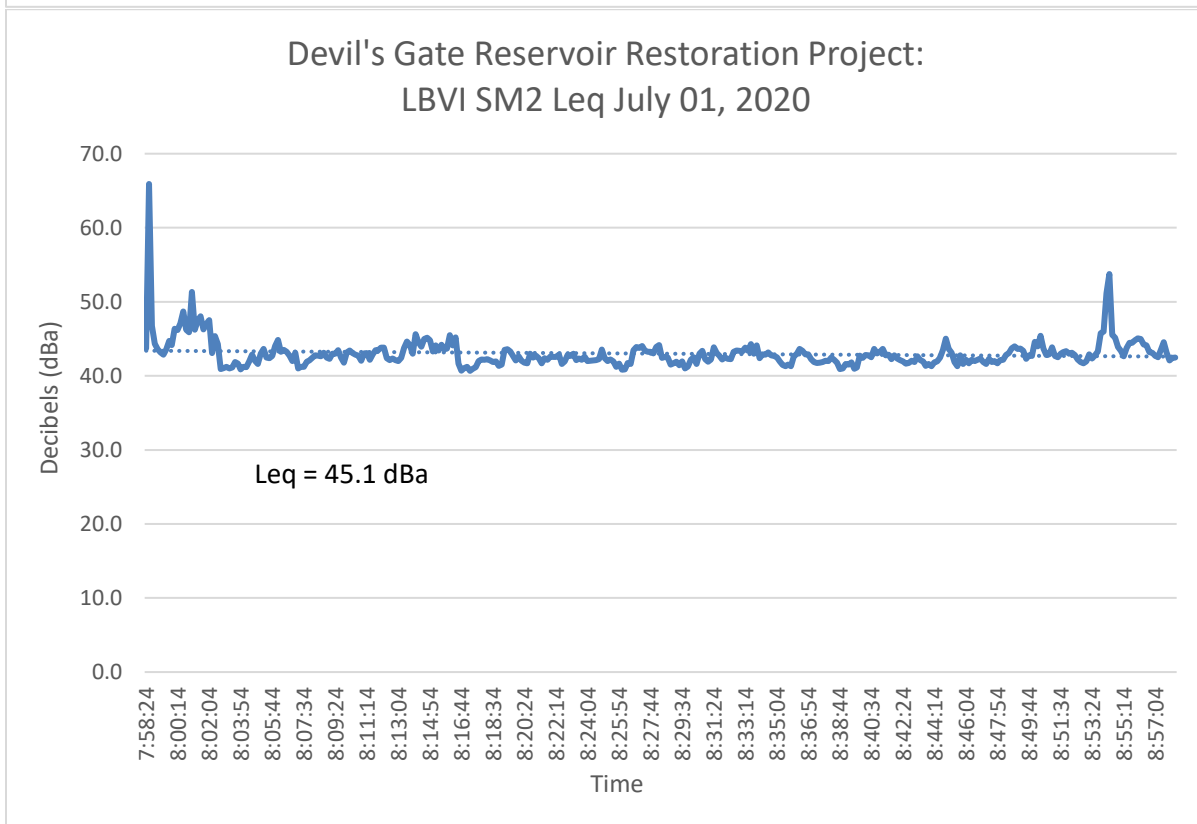
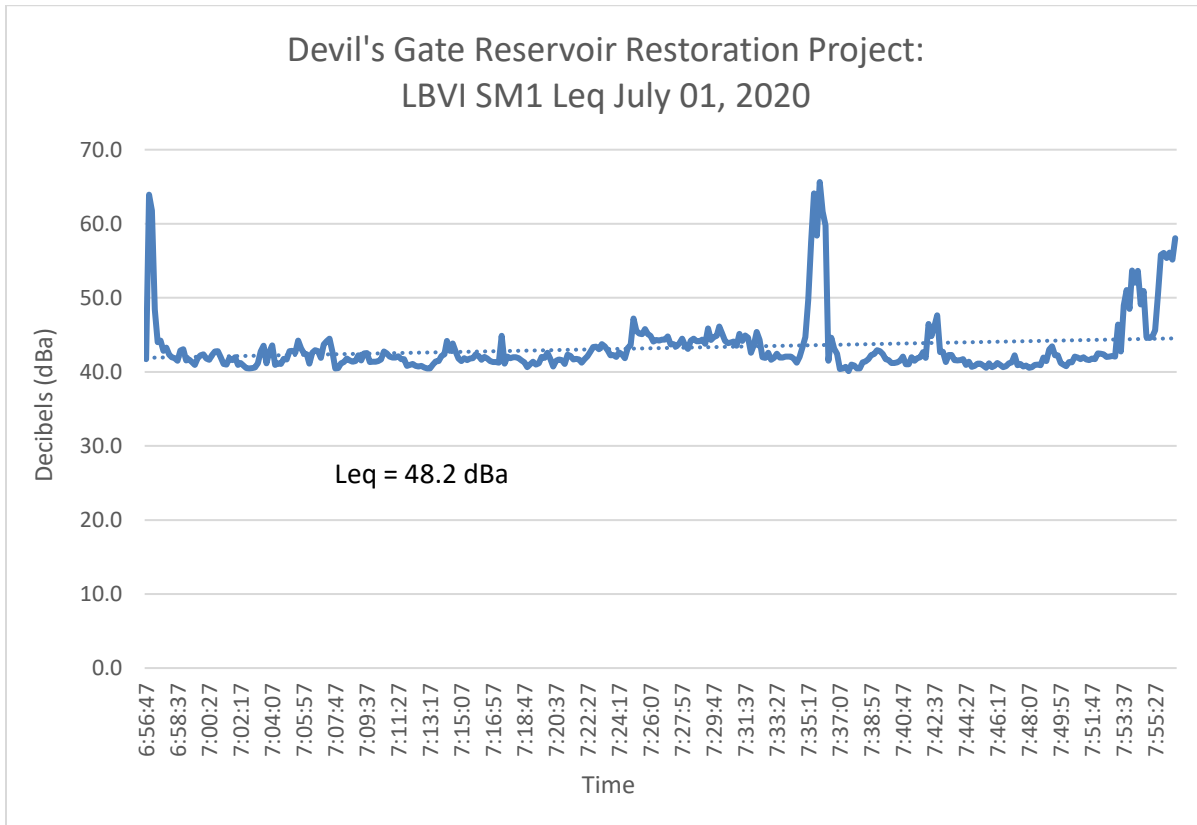
**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**June 29 - July 3, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

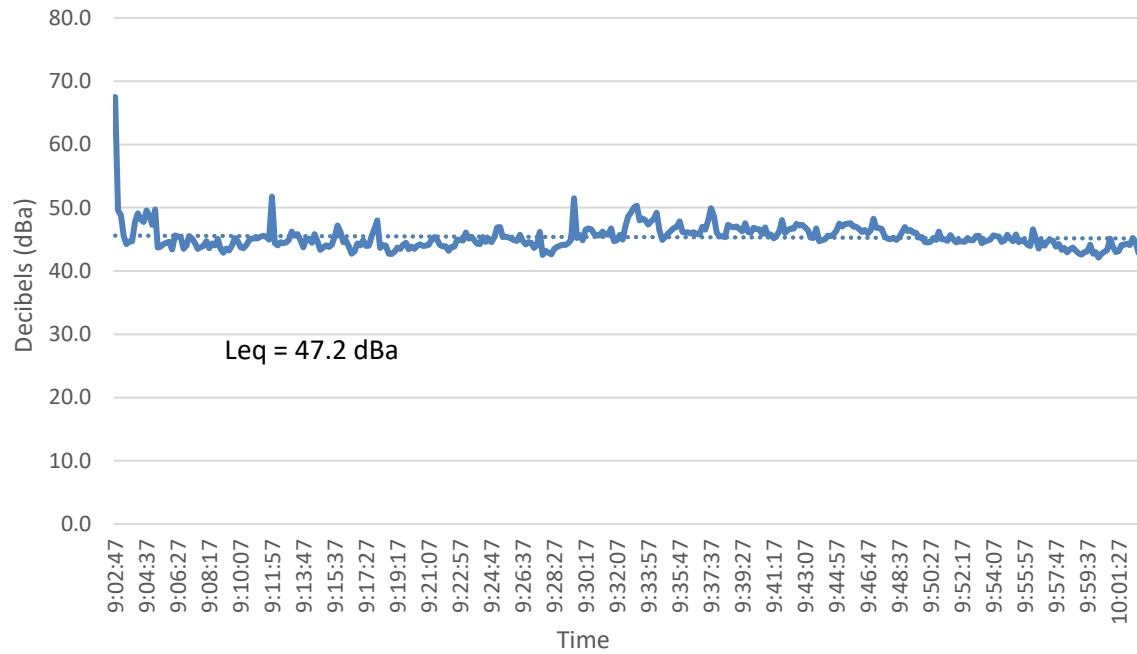
Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



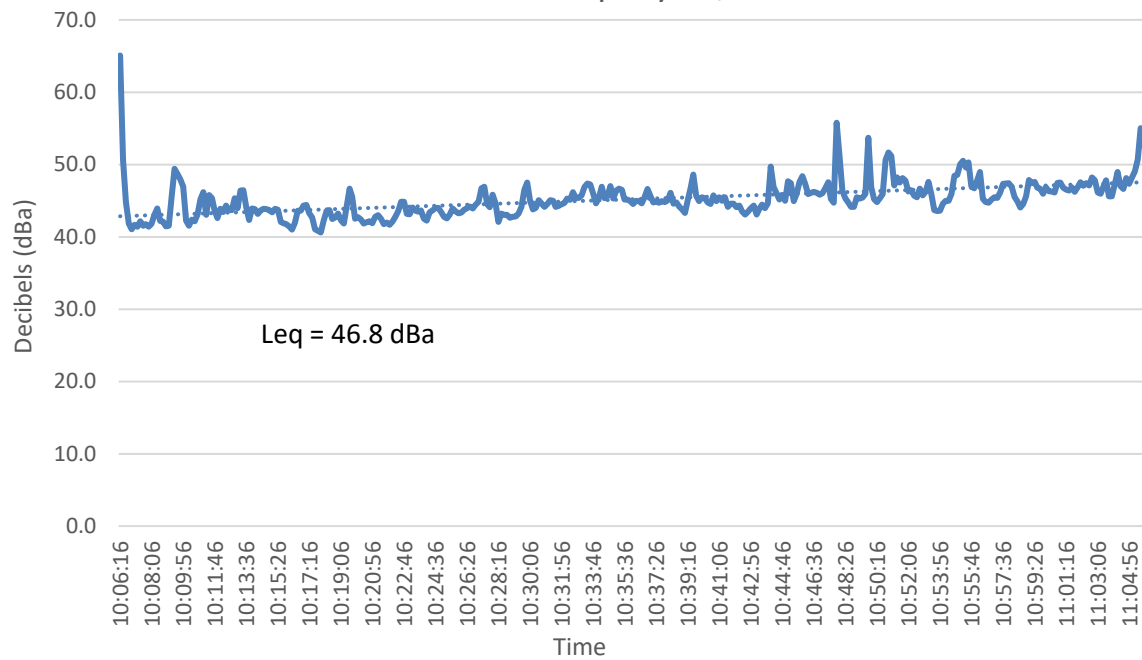




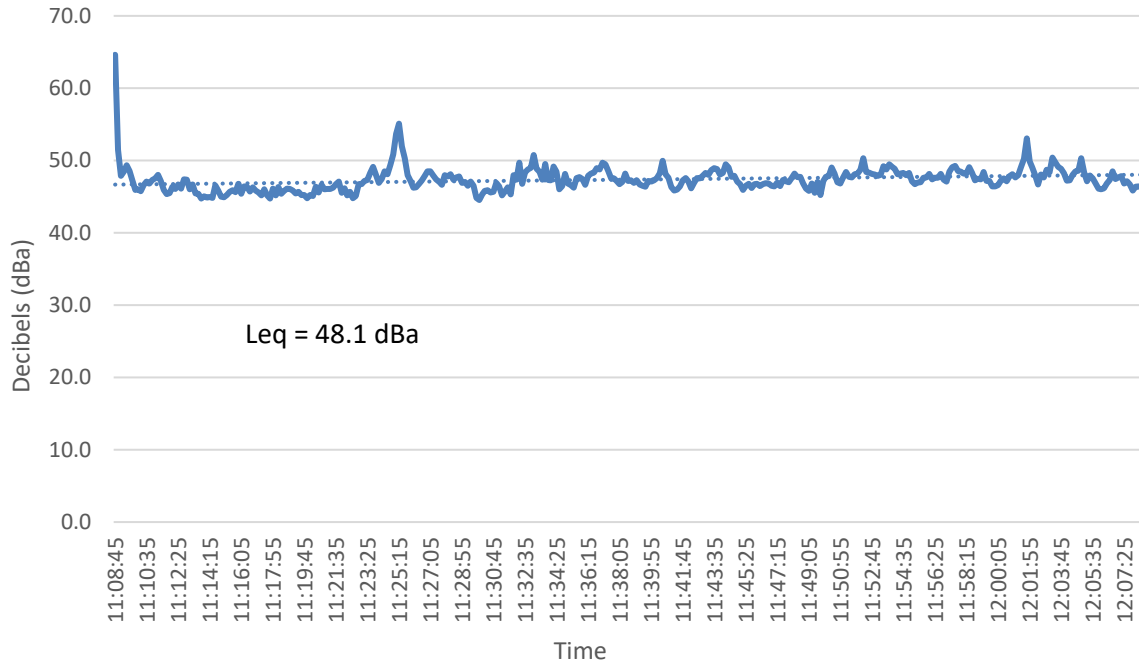
Devil's Gate Reservoir Restoration Project:  
LBVI SM3 Leq July 01, 2020



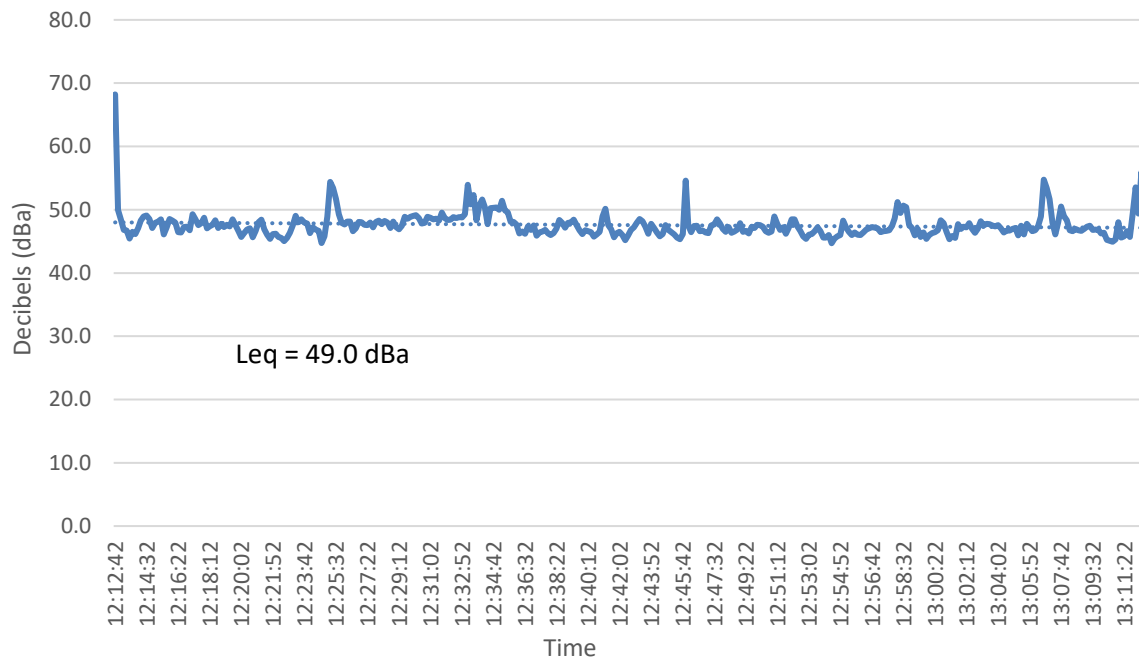
Devil's Gate Reservoir Restoration Project:  
LBVI SM4 Leq July 01, 2020



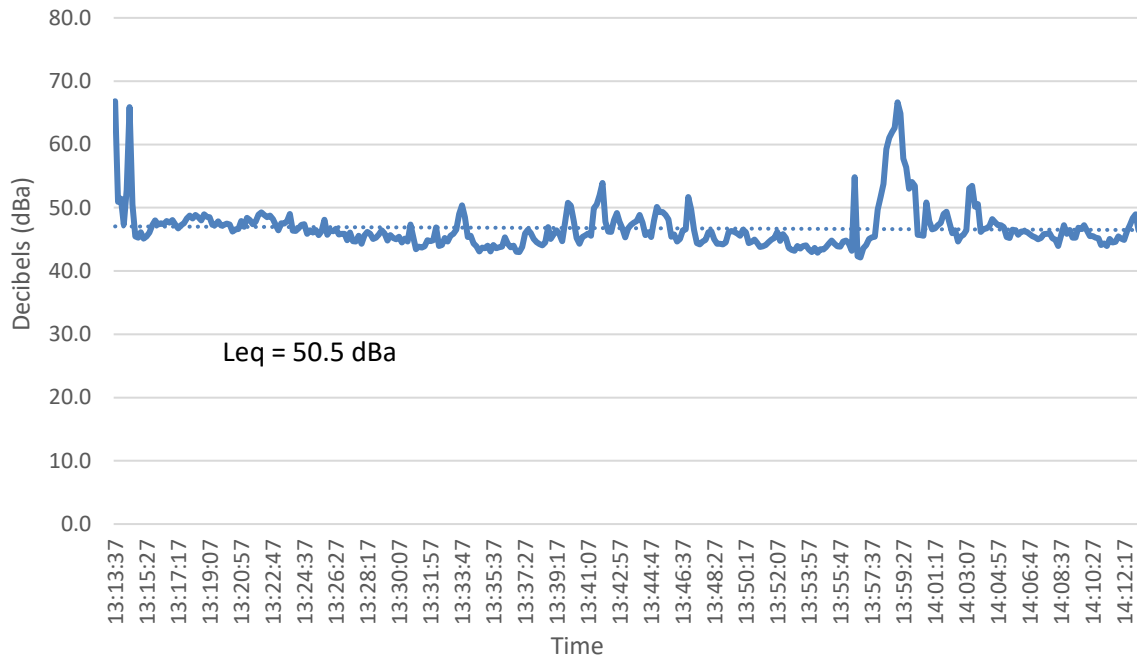
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LBVI SM5 Leq July 01, 2020



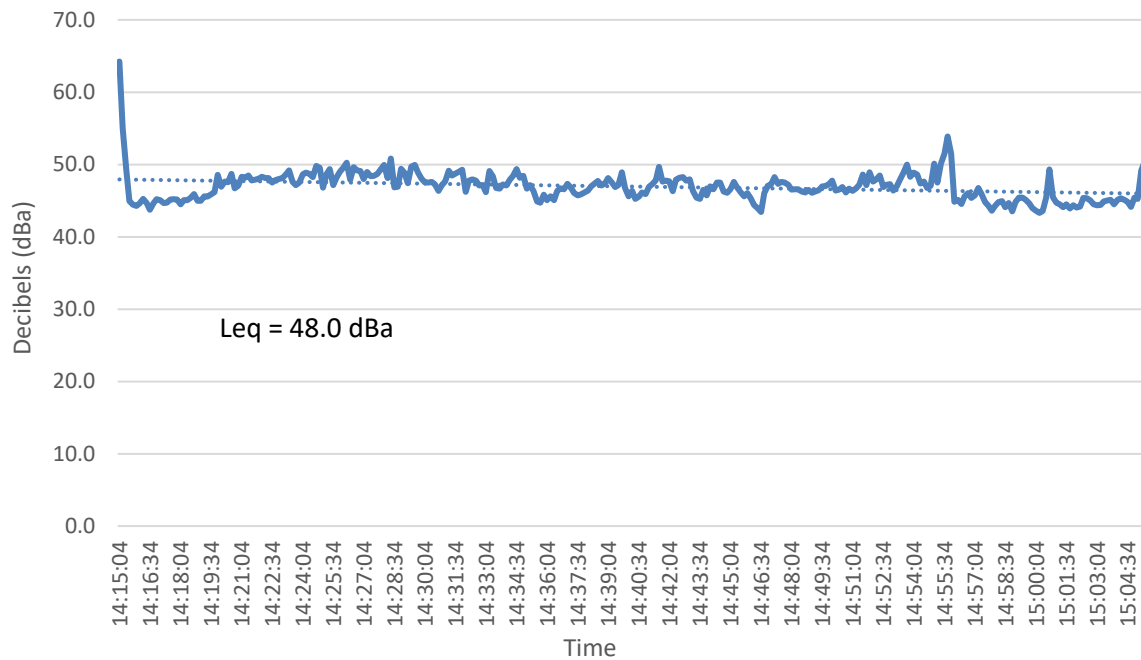
Devil's Gate Reservoir Restoration Project:  
LBVI SM6 Leq July 01, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM7 Leq July 01, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM8 Leq July 01, 2020





## **APPENDIX C**

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### Construction Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: May 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	54 °F	0-3 MPH	0 %
End of Day	15:19	79 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company one crew clearing for esa fence, one crew digging soil test pits. 7 crew.

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

Yellow warbler

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

**List of species observed while monitoring:**

Calt, nuwo, bewr, spto, nrws, kill, cora, coye, sosp, anhu, howr, casj, bars, hofi, lego, blph, ground squirrel, alligator lizard, side blotched lizard

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

**Log Entry**

0630 arrived on site.

0700 gave WEAP training to new workers.

0800 began observing backhoe clearing emergent non-natives along project boundary for esa fence installation. relocated one alligator lizard.

1115 discussed nest buffers with foreman at west access ramp

1200 resumed monitoring of esa clearance along east side of project boundary. flagged buffer for howr acting territorial.

1415 esa fence clearing done, checked on esa fence installation, reminded the crew to pick up microtrash

**Additional Comments**

N/A

**Signature**





**photo\_1-backhoe clearing esa line.jpg**  
-118.17266 34.1905



**photo\_2-backhoe removing mustard.jpg**  
-118.17215 34.19201



photo\_3-esa fence installed.jpg  
-118.17269 34.18906

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: May 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	64 °F	0-3 MPH	5 %
End of Day	15:00	75 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

Digging potholes with a backhoe for soil moisture testing. 2 crew members from Griffith Company.

**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 kingsnake, BLPH SOSP CALT COYE CAQU CASJ KILL BUSH NRWS side-blotched lizard, western fence lizard, red-crowned parrot

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

**Log Entry**

0700-1500 monitored vegetation clearing for pothole digging. Relocated bullfrog that was in vegetation being removed.

**Additional Comments**

N/A

**Signature**







**Photo\_1-potholing facing NE.jpg**  
-118.17344 34.19028



**Photo\_2-potholing facing W.jpg**  
-118.17344 34.19028



**Photo\_3-potholing facing S.jpg**  
-118.17344 34.19028

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: May 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	55 °F	0-3 MPH	0 %
End of Day	15:26	86 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 9 personnel installing ESA fence, clearing ESA fenceline, preparing truck access road, potholing for moisture tests

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

Yellow warbler

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

**List of species observed while monitoring:**

cora, nrws, blph, calt, spto, rtha, yewa, casj, kill, clsw, modo, coye, sosp, bewr, anhu, alhu, hofi

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

**Log Entry**

0635 arrived on site

0645 trained 3 new crew.

0700 monitored crew removing emergent vegetation at west access ramp, enforced nest buffers, relocated 1 juvenile southern pacific rattlesnake

1030 monitored backhoe clearing emergent vegetation around esa fenceline, relocated 1 western toad.

1120 reminded crew of need for biologist escort through basin, located killdeer nest in basin, flagged 150 ft buffer and put up esa signs.

1200 continued monitoring of esa clearance, located CALT nest and established buffer around for esa deviation.

1500 work completed for the day.

1505 observed non-worker individual driving fast in work area and wash, not associated with project

**Additional Comments**

N/A

**Signature**







photo\_1-pushing emergent vegetation off slope.jpg  
-118.17616 34.18687



photo\_2-clearing west access road.jpg  
-118.17605 34.1871



photo\_3-clearing esa fenceline.jpg  
-118.17084 34.19404



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jessie Dubus**  
**Date of Log: May 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:08	55 °F	0-3 MPH	0 %
End of Day	14:20	88 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Potholing using backhoe, 2 crew members from Griffith Company

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

Yellow warbler

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

**List of species observed while monitoring:**

CALT, ANHU, SOSP, MODO, CAQU, COYE, YEWA, CASJ, WREN, CORA, HOFI, RSHA

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

**Log Entry**

0700 Crew arrived, workers received WEAP training.

0730 Crew began potholing within sediment removal area. Monitored potholing, guided work around nest buffers.

Cleared path of excavator for nesting birds or environmental concerns before start of work.

1120 KILL-1 discovered and nest buffer established by Lauren Simpson

1400 Crew done with ground disturbing work for the day. Checked newly installed ESA fencing on eastern portion of site, no trash or debris left by crew.

1420 Biologist left site.

**Additional Comments**

N/A

Signature





KILL-1\_nest\_buffer\_facing\_west.jpg  
-118.17474 34.1885



Potholing\_example\_facing\_north.jpg  
-118.17635 34.18852

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jessie Dubus**  
**Date of Log: May 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:05	55 °F	0-3 MPH	10 %
End of Day	14:45	81 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

~10 personnel from Griffith Company. Crews potholing, doing earthwork in sediment removal basin. Equipment includes backhoe, excavator, roller, water truck.

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

Yellow warbler

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

**List of species observed while monitoring:**

YEWA, SOSP, CASJ, RTHA, NRWS, BUSH, CALT, HOFI, COYE, AMCR, BLPH, CORA, EUST, CAQU, HOWR

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

**Log Entry**

0650 Crew assembled for briefing, discussed work plan and assigned duties.

0740 Monitored backfilling of potholes, minor vegetation clearing. On-site soil sampling ongoing throughout workday.

1440 Crew finished groundwork for the day, removed construction cones, and secured site for weekend.

1445 Biologist left site.

**Additional Comments**

N/A

Signature





Pothole\_infill\_example.jpg  
-118.17198 34.19306

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: May 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	57 °F	0-3 MPH	10 %
End of Day	15:23	75 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 8 personnel. 1 backhoe, 1 skipper, 1 roller, 1 water truck, gravel trucks. 1 crew filling potholes, 1 crew prepping weigh station pad, 1 crew preparing ESA fence

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

Yellow warbler

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

**List of species observed while monitoring:**

sosp, spto, coye, bewr, casj, calt, blph, caqu, rtha, coha, nrws, clsw, western fence lizaed, western toad, cottontail, yewa, modo, eust, parrot sp, bhgb, deer mouse, side-blotched lizard

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

**Log Entry**

0635 arrived on site, met with crew and discussed work plan for the day.

0710 began monitoring ESA fence clearance.

0800 gave worker education training to 2 soiltec workers

0830 resumed monitoring ESA fence clearance, relocated 2 western fence lizards.

1300 ESA fence clearing completed for day, began monitoring mowing of emergent vegetation using backhoe.

relocated 2 western toads out of harms way. identified new BEWR nest adjacent to ESA fence area, flagged buffer.

1500 work done for the day, checked ESA fence installation progress, no issues noted.

1530 biologist left site

**Additional Comments**

N/A

**Signature**







photo\_1-clearing esa fenceline.jpg  
-118.17359 34.19106



photo\_2-clearing esa fenceline.jpg  
-118.17449 34.19058



**photo\_3-clearing of esa fenceline.jpg**  
-118.17671 34.18841



**photo\_4-backhoe mowing emergent vegetation.jpg**  
-118.17554 34.18942

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: May 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	63 °F	0-3 MPH	5 %
End of Day	13:00	84 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Cleared vegetation for nests before removal

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

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

**List of species observed while monitoring:**

COYE CASJ HOFI BUSH HUVI CAQU BEWR WREN western whiptail, desert cottontail, California ground squirrel

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

**Log Entry**

No corrective actions needed. Work ended early due to creating too much dust and not having a water truck dedicated to the project.

**Additional Comments**

N/A

**Signature**







**Photo-1\_vegetation\_clearing\_before\_facing\_W.jpg**  
-118.17658 34.18788



**Photo-2\_vegetation\_clearing\_after\_facing\_N.jpg**  
-118.17621 34.18747

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: May 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:37	62 °F	0-3 MPH	0 %
End of Day	15:30	87 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 8 crew. 1 team preparing scalehouse, 1 team preparing ESA fence, 1 team clearing emergent vegetation

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

Yellow warbler

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

**List of species observed while monitoring:**

kill, casj, calt, nrws, sosp, coye, vole, california ground squirrel, coastal whiptail, woodrat, deer mouse, coha, hofi, spto, yewa, cora, amcr, parrot, bewr

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

**Log Entry**

0635 arrived onsite.

0700 gave weap training to new workers.

0730 inspected potential nest location at west access ramp.

0800 monitored emergent vegetation removal by backhoe on east side. relocated 1 deer mouse, 1 woodrat, 1 coastal whiptail, and 1 vole out of harms way.

1000 discussed air quality station relocation with tetra tech.

1130 vegetation removal stopped due to dust, will resume tomorrow with dedicated water truck.

1200 removed nest buffer around killdeer nest. nest predated.

1230 added additional staking and signs to birds nests.

1530 biologist left site

**Additional Comments**

N/A

**Signature**







**photo\_1-staking for coye nest.jpg**  
-118.17371 34.18978



**photo\_2-staking for coye nest.jpg**  
-118.17363 34.19046



**photo\_3-emergent vegetation post removal.jpg**  
-118.17273 34.19074



**photo\_4-scale house installation.jpg**  
-118.17554 34.18821

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: May 27, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	64 °F	0-3 MPH	0 %
End of Day	15:00	91 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Vegetation clearing with skip loader with Victor.

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

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

**List of species observed while monitoring:**

BUSH SOSP CASJ SPTO NRWS CAQU BEWR HOFI KILL CALT deer mouse

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

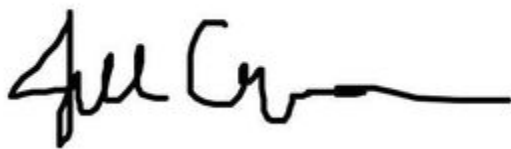
**Log Entry**

Found a song sparrow nest and created a buffer. Relocated 2 deer mice.

**Additional Comments**

N/A

Signature

I  






**Vegetation\_clearing\_before\_facing\_W.jpg**  
-118.17593 34.18852



**Vegetation\_clearing\_after\_facing\_N.jpg**  
-118.17593 34.18852

## **Devil's Gate Biological Monitoring Log**

Submitted By: SoCal\_Bio

Submitted Time: 05/28/2020 6:53 AM

### **Date**

May 27, 2020

### **Monitor Name**

CJ Randel

### **Are Additional Monitors Present?**

Yes

### **List Additional Monitors Present**

### **Start Time**

06:37

### **Start Temperature**

59

### **Start Cloud Cover**

0

### **Start Wind Speed**

0-5



**End Time**

15:10

**End Temperature**

91

**End Cloud Cover**

0

**End Wind Speed**

3-10

**Construction Activity and Personnel**

Two backhoes, 1 450j blade, water truck, pickups. Approximately 10 Griffin personel and 4 ladpw.

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

Construction Monitoring

**Covered Species Observed?**

No

**Which species were observed?****Were any least Bell's Vireo detected?**

No

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

**Other Wildlife Species Observed**

Cottontail, California pocket mouse, deer mouse, western toad, California scrub-jay, red-crowned parrot, common yellowthroat, northern mockingbird, spotted towhee, dark-eyed junco, song sparrow, northern rough-winged swallow, violet green swallow, barn swallow, cliff swallow, California towhee, California quail, Bewick's wren, yellow-headed parrot, Allen's hummingbird, Anna's hummingbird, lesser goldfinch, house finch, bushtit, American crow, european starling, rock pigeon, black-headed grosbeak, mourning dove, european collared dove

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

No

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

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

No

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

**Log Entry**

**Log Entry - Photos taken?**

**Log Entry Photo A**



**California towhee nest with eggs**

-118.17429 34.19046

### Log Entry Photo B



450j and water truck conducting vegetation removal along eastern project boundary  
-118.17334 34.19893

### 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 a large, stylized 'C' followed by a series of loops and a final upward stroke.



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: May 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	62 °F	0-3 MPH	100 %
End of Day	15:00	86 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading, digging test holes, ESA fence installation.
2. Two slip loaders, one backhoe, one water truck, one bulldozer, hand tools.
3. 15 Griffith Personnel (Joe, foreman).

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

Yellow warbler

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

**List of species observed while monitoring:**

COYE, SPTO, CASJ, CORA, RSHA, ANHU, CALT, CAQU, SOSP, YEWA, NRWS, WEKI, CATH, LEGO, Western fence lizard, common side-blotched lizard, desert cottontail, coastal whip tail, San Diego gophersnake

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

**Log Entry**

0705- gave WEAP training to new backhoe operator.

0740- monitored vegetation clearing and road grading in upper section of the site.

0845- relocated 2 common side-blotched lizards, and 2 western fence lizards.

0945- monitored crew digging test holes to check soil moisture. Observed one coastal whiptail and heard one YEWA calling.

1315- monitored ESA fence installation along the western edge of the sediment removal area.

1350- monitored vegetation clearing along eastern edge of sediment removal area.

**Additional Comments**

N/A

**Signature**





**Grading\_during\_facingW.jpg**  
-118.18131, 34.19093



**Vegetation\_clearing\_during\_facingNW.jpg**  
-118.17446, 34.18537





Digging\_test\_holes\_during\_facingW.jpg  
-118.17495, 34.18960

## **Devil's Gate Biological Monitoring Log**

Submitted By: SoCal\_Bio

Submitted Time: 05/28/2020 6:32 PM

### **Date**

May 28, 2020

### **Monitor Name**

CJ Randel

### **Are Additional Monitors Present?**

Yes

### **List Additional Monitors Present**

Adam Schroeder

### **Start Time**

18:40

### **Start Temperature**

61

### **Start Cloud Cover**

100

### **Start Wind Speed**

0-5

**End Time**

15:05

**End Temperature**

87

**End Cloud Cover**

0

**End Wind Speed**

3-10

**Construction Activity and Personnel**

Two backhoes, 1 450j blade, water truck, pickups. Approximately 10 Griffin personel and 4 ladpw.

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

Construction Monitoring

**Covered Species Observed?**

No

**Which species were observed?****Were any least Bell's Vireo detected?**

No



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

**Other Wildlife Species Observed**

western toad, California scrub-jay, red-crowned parrot, common yellowthroat, northern mockingbird, spotted towhee, dark-eyed junco, song sparrow, northern rough-winged swallow, violet green swallow, barn swallow, cliff swallow, California towhee, California quail, Bewick's wren, yellow-headed parrot, Allen's hummingbird, Anna's hummingbird, lesser goldfinch, house finch, bushtit, American crow, european starling, rock pigeon, black-headed grosbeak, mourning dove, european collared dove, acorn woodpecker

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

No

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

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

No

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

**Log Entry**

0640-0700 Tailboard 0700-1500 Vegetation clearance monitoring along eastern esa fence boundary.

## Log Entry - Photos taken?

Yes

### Log Entry Photo A



**Box scraping and water deposition of potential eastern haul road**

-118.17249 34.19136

### Log Entry Photo B



**Front-end loader removing vegetation along eastern project boundary near proposed haul road**  
-118.17234 34.19204

**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 a large, stylized 'C' followed by a series of loops and a final upward stroke.

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: May 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	61 °F	0-3 MPH	95 %
End of Day	14:45	81 °F	0-3 MPH	30 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading
2. Two skip loaders, one backhoe, one blade, one bulldozer, two water trucks, one forklift
3. Fifteen Griffith personnel (Joe/Johnny)

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

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

**List of species observed while monitoring:**

RTHA, RLPa, CORA, MODO, COYE, CASJ, ANHU, BEWR, NRWS, LEGO, Desert cottontail, western fence lizard, common side-blotched lizard

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

**Log Entry**

0745- monitored vegetation clearing along the eastern edge of the sediment removal area.

1005- monitored vegetation clearing along the western edge of the sediment removal area.

1240- monitored road grading in the center of the sediment removal area.

**Additional Comments**

N/A

**Signature**







**Vegetation\_clearing\_during\_facingSE.jpg**  
-118.17313 34.18925



**Vegetation\_clearing\_during\_facingSW.jpg**  
-118.17299 34.19191



**Road\_grading\_during\_facingSW.jpg**  
-118.17491 34.18777



**ESA\_Fencing\_around\_KILL\_nest\_facingS.jpg**  
-118.1754 34.18801

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: May 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:36	60 °F	0-3 MPH	100 %
End of Day	15:00	78 °F	0-3 MPH	50 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading
2. Two skip loaders, one backhoe, one blade, one bulldozer, two water trucks, one forklift
3. Fifteen Griffith personnel

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

Yellow warbler

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

**List of species observed while monitoring:**

cora, kill, yewa, casj, rsha, sosp, coye, spto, calt, bewr, lego, hofi, clsw, nrws, modo, caqu, side blotched lizard, western toad, coastal whiptail, California ground squirrel, western fence lizard, deer mouse

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

**Log Entry**

0635 biologist arrived on site.

0700 crew began clearing small area of vegetation for placement of water tank.

0730 began clearance of expansion area of truck access road. Located killdeer nest in incubation stage adjacent to current truck access road, stopped work in the area to flag an appropriate no-work buffer around killdeer nest. This will require re-routing of the access road in order to avoid nest impacts, discussed issue with contractor and County. Set up staking, crew later installed ESA fence adjacent to nest to discourage killdeer from entering work area.

Confirmed with contractor alignment of ESA boundary fence to avoid nest buffers.

1030 began monitoring emergent vegetation removal in basin, observed blade removing small areas of vegetation after vegetation was cleared of nests by biologist. Relocated 1 side-blotched lizard and 1 western toad out of harms way.

1400 began observing backhoe removing small areas of vegetation from slope after cleared by biologist.

1445 work done for the day, conducted final sweep.

1500 biologist left site.

**Additional Comments**

N/A

**Signature**







photo\_1-blade removing emergent vegetation.jpg  
-118.17386 34.1896



photo\_2-blade removing emergent vegetation.jpg  
-118.17434 34.19015



photo\_3-bird nest buffer.jpg  
-118.1745 34.19019



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jun 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:43	61 °F	0-3 MPH	0 %
End of Day	15:36	86 °F	0-3 MPH	70 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 15 personnel, 1 backhoe, 1 blade, 1 excavator, 1 skip, 1 dozer, 2 water trucks

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

Yellow warbler

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

**List of species observed while monitoring:**

calt, casj, sosp, cora, rsha, nrws, clsw, coye, western toad, wtsw, caqu, deer mouse, coastal whiptail, side blotched lizard, spto, yewa, bewr

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

**Log Entry**

0642 arrived on site.

0700 trained one new griffith worker.

0715 inspected killdeer nest. nest empty of eggs. nest failed. cause unknown, possible predation. nest buffer removed

0800 began monitoring removal of emergent veg along slope at east access road. relocated 1 western toad.

1100 began working on bio clearance of dense vegetation in northern section of basin. cleared small perimeters of nests and allowed bulldozer to clear under bio monitor, moved 1 western toad.

1230 checked ESA fence to ensure sufficient room is available for wildlife to move through.

1300 began monitoring backhoe removing small areas of vegetation along slopes

1530 completed work for day, biologist left site

**Additional Comments**

N/A

**Signature**





photo\_1-backhoe clearing esa fenceline.jpg  
-118.17373 34.18584



photo\_2-dozer clearing emergent vegetation.jpg  
-118.17398 34.18977

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	64 °F	0-3 MPH	75 %
End of Day	15:09	84 °F	0-3 MPH	90 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with bulldozer and George on backhoe

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

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

**List of species observed while monitoring:**

CASJ BLPH CAQU SPTO CORA HOFI CALT Red-crowned parrot, western fence lizard, California/western toad, side blotched lizard, western whiptail, California ground squirrel, desert Cottontail, mouse sp.

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

**Log Entry**

0645 Monitor vegetation removal with George on backhoe on eastern side of site. Monitored vegetation removal with bulldozer and skid loader on western side of site in area with lots of small toads. Relocated about a dozen western toads, and two mice during monitoring.

**Additional Comments**

Stopped some low emergent non-native vegetation removal that had started to take place within the project area without a biologist present. I had to remind the contractor that removal could not take place unless a biologist was present. Due to the location and size of vegetation in the area, it is not anticipated that biological resources were affected.

**Signature**





**Vegetation\_removal\_facing\_N.jpg**  
-118.17294 34.18958



**Vegetation\_removal\_facing\_W.jpg**  
-118.17346 34.18903





**Vegetation\_removal\_facing\_NE.jpg**  
-118.17356 34.18882



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 3, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	66 °F	0-3 MPH	5 %
End of Day	15:00	97 °F	0-3 MPH	15 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with George on backhoe on east and west side of project area

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

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

**List of species observed while monitoring:**

COYE YEWA KILL PSFL CASJ HOFI ANHU CAQU Red-crowned parrot, California (western) toad, side-blotched lizard, western fence lizard, western harvest mouse

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

**Log Entry**

7:00 - 3:00pm monitored vegetation removal with George on backhoe. Relocated about 90 western toads, and 3 mice on west side of project area.

**Additional Comments**

N/A

**Signature**





**Vegetation\_removal\_facing\_NE.jpg**  
-118.17346 34.18823



**Vegetation\_removal\_facing\_W.jpg**  
-118.17613 34.18775

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jun 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	62 °F	0-3 MPH	100 %
End of Day	15:20	79 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 1 backhoe, 1 skip, 1 blade, 1 dozer, 3 water trucks, haul trucks.

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

Yellow warbler

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

**List of species observed while monitoring:**

yewa, spto, cora, wtsw, nrws, western toad, tuvu, gbhe, casj, coye, sosp, coastal whiptail, alligator lizard, southern pacific rattlesnake, blph, parrot sp, rtha, vole, deer mouse

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

**Log Entry**

0635 arrived on site, trained 4 new personnel.

0730 began monitoring backhoe removing low growing vegetation. Relocated 75+ western toads. Hauling sediment began with trucks arriving at appx 0700. excavator loading trucks with sediment

1000 backhoe moved to clearing near east access ramp. relocated 1 alligator lizard and 1 southern pacific rattlesnake.

1300 moved to center of reservoir to monitor mowing.

1400 scanned perimeter and esa fence, no issues.

1520 biologist left site.

**Additional Comments**

N/A

**Signature**





**photo\_1-start of sediment hauling.jpg**  
-118.17643 34.18815



**photo\_2-backhoe removing vegetation.jpg**  
-118.17594 34.1878





**photo\_3-backhoe removing vegetation at east access road.jpg**  
-118.17377 34.18605



**photo\_4-center of basin post clearing.jpg**  
-118.17455 34.18647



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max Murray**  
**Date of Log: Jun 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	57 °F	0-3 MPH	100 %
End of Day	14:40	66 °F	0-3 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing within basin.
2. Skip loader and backhoe
3. Coordinated with Foreman (Joe) for today's work plan and worked with backhoe operator (George)

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

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

**List of species observed while monitoring:**

CASJ, NOFL, CALT, NRWS, BASW, CLSW, CORA, HOFI, COYE, SOSP, SPTO, side blotched lizard, western toad, California ground squirrel

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

**Log Entry**

0630 - arrive on site  
0645 - coordinate with Joe and George from Griffith  
0700 - WEEP training for Griffith laborers  
0800 - begin monitoring vegetation removal  
1430 - end monitoring vegetation removal

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'Max Murray', written over a light gray grid background.



**Sediment\_hauling\_before\_facingN.jpg**  
-118.17398 34.18637



**Vegetation\_removal\_before\_facingS.jpg**  
-118.17504 34.1888



**Vegetation\_removal\_during\_facingSE.jpg**  
-118.17541 34.18824



**Vegetation\_removal\_after\_facingSW.jpg**  
-118.17336 34.1876

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jun 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	65 °F	4-6 MPH	0 %
End of Day	09:52	71 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company work cancelled due to red flag

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

Yellow warbler

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

**List of species observed while monitoring:**

nrws, spto, sosp, casj, acwo, bewr, coye, cath, hofi, caqu, anhu, alhu, bush, blph, lego, cottontail, calt, yewa, atfl, wren, wtsw, cora, coastal whiptail

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

**Log Entry**

0640 arrived on site. work for the day cancelled due to red flag warning. walked ESA fence to inspect perimeter and update status of bird nests including those near old dam operators house. Discussed need for replacing and weatherproofing ESA signs with contractor.

0952 biologist left site.

**Additional Comments**

N/A

**Signature**







**photo\_1-willow branch broken onto ESA fence from wind.jpg**  
-118.17261 34.19097



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	63 °F	0-3 MPH	0 %
End of Day	15:15	91 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Monitored vegetation removal and debris pile removal with Victor on skid loader.

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

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

**List of species observed while monitoring:**

COYE PSFL BLPH BUSH NRWS CASJ HOFI LEGO CAQU SPTO California ground squirrel, western fence lizard

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

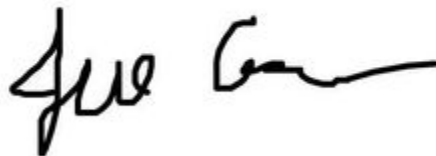
**Log Entry**

7:00 Monitored vegetation removal with Victor on the Skid loader, checked BUSH nest to check for activity/nest stage, meet with Carley for ESA fence placement.

**Additional Comments**

There was a dead ring-necked snake on the road leading to the dam operator house. Snake was missing its head and looked like a dropped prey item, rather than having anything to do with the project.

**Signature**





**Vegetation\_removal\_facing\_SE.jpg**  
-118.17476 34.18738



**Excavation\_Facing\_NW.jpg**  
-118.17343 34.18912



**Bulldozer\_facing\_W.jpg**  
-118.17336 34.18762



**Excavation\_facing\_N.jpg**  
-118.17345 34.18929

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	64 °F	0-3 MPH	0 %
End of Day	15:00	96 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Excavation: Excavator and dump trucks.

Grading with bulldozer and skiploader. Water trucks and sweeper also on site.

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

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

**List of species observed while monitoring:**

CAQU SPTO CALT CASJ YEWA HOFI LEGO NRWS COYE BEWR cottontail, western fence lizard, ANHU

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

**Log Entry**

Walked area to check on nests, trained new construction worker on environmental issues.

**Additional Comments**

N/A

**Signature**







**Bulldozer\_facing\_SW.jpg**  
-118.17327 34.18746



**Excavation\_facing\_N.jpg**  
-118.17318 34.18979





**Excavation\_facing\_E.jpg**  
-118.17368 34.1899

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jun 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	67 °F	0-3 MPH	0 %
End of Day	15:51	89 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company crew sediment removal activities, haul trucks, water trucks, excavators, bulldozers, skip loaders

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

Yellow warbler

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

**List of species observed while monitoring:**

alhu, spto, nrws, cora, parrot, sosp, casj, sbmu, calt, clsw, blph, bewr, hofi, side-blotched lizard, western toad, coye, yewa, amcr, rtha, caqu

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

**Log Entry**

0640 arrived on site, attended tailboard

0800 met with County survey to discuss ESA fencing around Alta Dena drain.

1000 checked perimeter of site, no issues

1030 began bio clearance of vegetation to be removed, cleared perimeter of area for removal

1230 monitored vegetation removal. relocated 3 western toads

1530 monitored ESA fence installation around irrigation line in DG-3A to prevent parking

1551 biologist left site

**Additional Comments**

N/A

**Signature**





**photo\_1-morning hauling activities.jpg**  
-118.17399 34.18641



**photo\_2-loading haul truck.jpg**  
-118.1736 34.1898





**photo\_3-moving vegetation stockpiles.jpg**  
-118.17416 34.1899



**photo\_4-clearing emergent vegetation.jpg**  
-118.17388 34.18981

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jun 12, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	58 °F	0-3 MPH	80 %
End of Day	15:10	80 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company approximately 15 personnel plus backhoe, dozer, excavator, water trucks

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

Yellow warbler

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

**List of species observed while monitoring:**

yewa, alhu, spto, casj, hofi, sosp, coye, nrws, bewr, lego, amcr, cora, parrots, bhgb, oati, anhu, bobcat, rsha, rtha, calt, coastal whiptail, western fence lizard, western toad, clsw

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

**Log Entry**

0645 arrived on site. Trained 2 new Griffith workers

0715 began checking on status of nests around perimeter. deactivated several nests in southwest corner of site.

1115 began monitoring vegetation removal in southwest corner of site where ESA fence will be moved back to the original location now that bird nest buffers are gone. relocated 4 western toads

1450 crew wrapping up for day

1510 biologist conducted final sweep and left site

**Additional Comments**

N/A

**Signature**







**photo\_1-sediment hauling operations.jpg**  
-118.17645 34.18828



**photo\_2-skipper clearing vegetation.jpg**  
-118.17659 34.18858

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jun 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:41	62 °F	0-3 MPH	0 %
End of Day	15:00	80 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company approximately 15 personnel, dozer, skip, excavator, blade, water trucks, hauling sediment

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

Yellow warbler

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

**List of species observed while monitoring:**

spto, calt, casj, sosp, yewa, nrws, clsw, oati, hofi, coye, western toad, western fence lizard, cora, parrot, kingsnake, bush, coha, alhu, amcr, wtsw, coastal whiptail

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

**Log Entry**

0640 arrived on site.

0700 began clearing vegetation around ESA fence in southwest corner. relocated 1 western toad and 1 kingsnake

1430 completed vegetation removal for the day. Conducted post-work sweep of site.

1500 biologist left site

**Additional Comments**

N/A

**Signature**





**photo\_1-sediment hauling.jpg**  
-118.17649 34.18847



**photo\_2-vegetation removal.jpg**  
-118.1765 34.18846

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	63 °F	0-3 MPH	100 %
End of Day	15:00	75 °F	4-6 MPH	15 %

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

Construction Monitoring

**Construction Activity:**

Worked with Victor on skiploader removing vegetation. Water truck assigned specifically to us.

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

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

**List of species observed while monitoring:**

YEWA SWTH HUVI COYE BLPH HOFI PSFL SPTO CALT BEWR ANHU NRWS CORA RTHA

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

**Log Entry**

0700 Trained a new hire on environmental issues.

0730 clear vegetation ahead of Victor for removal. Continue to work with Victor all day on vegetation removal.

1030 Found California towhee nest in emergent vegetation that we were removing. Created a buffer around the nest and stopped work in that area. Continue to remove vegetation away from nest.

**Additional Comments**

N/A

**Signature**







**Excavation\_facing\_E.jpg**  
-118.17647 34.18824



**Vegetation\_removal\_facing\_NW.jpg**  
-118.17669 34.18803





**Vegetation\_debris\_removal\_facing\_NW.jpg**  
-118.1766 34.18811

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	62 °F	0-3 MPH	100 %
End of Day	15:00	75 °F	4-6 MPH	20 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with Victor on skiploader

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

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

**List of species observed while monitoring:**

YEWA NRWS SPTO ANHU BHGR SWTH HOFI BUSH COYE CORA BLPH PSFL Red-crowned parrot California toad, western fence lizard

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

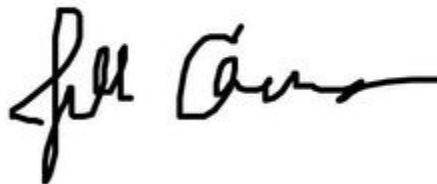
**Log Entry**

0700 train new employee on environmental compliance/issues. Vegetation removal with Victor. Relocated about a dozen western toads, and 3 alligator lizards.

**Additional Comments**

N/A

**Signature**





**Vegetation\_removal\_facing\_S.jpg**  
-118.17685 34.18842



**Excavation\_facing\_E.jpg**  
-118.17651 34.18794

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	100 %
End of Day	15:00	73 °F	0-3 MPH	75 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with Victor on skid loader

Did you observe any special-status species? ☐ Yes ☒ No

Were any least Bell's Vireo detected? ☐ Yes ☒ No

**List of species observed while monitoring:**

YEWA CASJ CALT SPTO RTHA MODO COYE PSFL CORA NRWS red-crowned parrots

Did You Observe any Non-Compliance Issues? ☐ Yes ☒ No

**Log Entry**

0700-1500 Monitored vegetation removal With Victor on skid loader, in open area near COYE nest. Relocated 8 California toads

0840-0900 had to escort the tow truck who towed the stuck Prius out of the park. No vegetation near Vireo territory was affected. Vireo not heard. Irrigation not affected by car.

**Additional Comments**

N/A

**Signature**







**Vegetation Removal\_facing\_N.jpg**  
-118.17402 34.1899



**Vegetation Removal\_facing\_E.jpg**  
-118.1739 34.18998



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	63 °F	0-3 MPH	100 %
End of Day	15:00	75 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

Debris and vegetation removal with Victor on skid loader

Did you observe any special-status species? ☐ Yes ☒ No

Were any least Bell's Vireo detected? ☐ Yes ☒ No

**List of species observed while monitoring:**

YEWA SWTH HOFI SPTO CALT BEWR NRWS BHGR PSFL HUVI SOSP COHA CORA LEGO red-crowned parrot  
western fence lizard

Did You Observe any Non-Compliance Issues? ☐ Yes ☒ No

**Log Entry**

0700 Trained new employee on environmental compliance/issues.

0800 Remainder of day spent monitoring vegetation and debris pile removal with Victor on skid loader, and monitoring the reinstallation of the ESA fence. Relocated about a dozen California toads, a western fence lizard, and a western harvest mouse.

**Additional Comments**

Signature





**Debris\_removal\_facing\_S.jpg**  
-118.17642 34.18881



**Move\_reinstall\_ESA\_fencing\_facing\_S.jpg**  
-118.17663 34.18869



**Rock\_removal\_facing\_E.jpg**  
-118.17661 34.18821

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jun 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:38	62 °F	0-3 MPH	100 %
End of Day	15:29	85 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company. Approximately 20 personnel, 1 dozer, 2 excavators, 2 blades, 1 skipper, 3 water trucks, haul trucks; sediment removal and emergent vegetation removal

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

Yellow warbler

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

**List of species observed while monitoring:**

casj, bewr, nrws, coye, nuwo, bhgb, bush, lego, yewa, blph, hola, western toad, side blotched lizard, CA ground squirrel, cora, parrot, calt, spto, atfl, caki

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

**Log Entry**

0640 arrived on site.

0700 gave weap training to new worker.

0730 logged bhgb nest by west access ramp.

0800 began surveying emergent vegetation for clearing.

1000 monitored removal of vegetation. located coye nest and established buffer. relocated 2 western toads and 1 deermouse.

1300 done clearing, monitored work activities.

1530 biologist left site

**Additional Comments**

N/A

**Signature**







**photo\_1-vegetation to be removed, before.jpg**  
-118.17374 34.18986



**photo\_2-vegetation, after buffer added to coye nest.jpg**  
-118.17396 34.19004





photo\_3-vegetation removal.jpg  
-118.17406 34.19022



photo\_4-hauling operations.jpg  
-118.1754 34.18942

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	63 °F	0-3 MPH	100 %
End of Day	15:00	82 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

Vegetation clearing with Victor on skiploader

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

Yellow warbler

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

**List of species observed while monitoring:**

CALT COYE SPTO CASJ SOSP ANHU CORA, red-crowned parrot, YEWA, California toad, side-blotched lizard, western whiptail, western fence lizard

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

**Log Entry**

Watched birds in area with COYE nest to clear, but second pair of COYE were acting suspiciously in the area, likely a second nest there. Spent rest of the day monitoring Victor on skiploader doing debris removal. Relocated 4 toads and 2 lizards. Check towhee nest at end of day; determined to be depredated.

**Additional Comments**

N/A

**Signature**





**Rock\_removal\_facing\_S.jpg**  
-118.17392 34.19003



**Vegetation\_debris\_removal\_facing\_SW.jpg**  
-118.17395 34.18999



**Dirt\_removal\_facing\_NE.jpg**  
-118.17616 34.18718

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Counoutso**  
**Date of Log: Jun 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	63 °F	0-3 MPH	100 %
End of Day	15:00	83 °F	0-3 MPH	70 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with Victor on skiploader

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

Yellow warbler

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

**List of species observed while monitoring:**

YEWA BLPH LEGO CAQU CALT COYE SOSP CASJ CORA COHA SPTO red-crowned parrot, western fence lizard, California toad, side-blotched lizard, western harvest mouse, desert cottontail

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

**Log Entry**

Monitored vegetation and debris pile removal with Victor on skiploader. Relocated 5 California toads, a western fence lizard, a side blotched lizard, and 2 western harvest mice

**Additional Comments**

N/A

**Signature**







**Vegetation\_removal\_facing\_E.jpg**  
-118.17438 34.1902



**Vegetation\_debris\_removal\_facing\_S.jpg**  
-118.1747 34.18963



Excavation\_facing\_NE.jpg  
-118.17448 34.18947

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jun 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	62 °F	0-3 MPH	100 %
End of Day	14:59	80 °F	0-3 MPH	75 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 3 water trucks 2 excavators, 1 skip, 2 blades. Approximately 20 personnel. Hauling sediment and mowing low vegetation.

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

Yellow warbler

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

**List of species observed while monitoring:**

casj, yewa, bars, nrws, coye, sosp, calt, spto, lego, parrot, kingsnake, western fence lizard, side-blotched lizard, cottontail, western toad, deer mouse, cora, clsw, hofi, blph

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

**Log Entry**

0640 arrived on site, gave WEAP training to 2 new workers.

0700 began monitoring excavator and skipper clearing vegetation behind scale house on slope; relocated 25 western toads, 2 western fence lizards, 1 side-blotched lizard, 2 kingsnakes, 2 deer mouse, and 1 cottontail out of harms way.

1440 conducted final sweep of site

1500 biologist left site

**Additional Comments**

N/A

Signature







photo\_1-vegetation clearing.jpg  
-118.17524 34.18983



photo\_2-after removal.jpg  
-118.17508 34.18957

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: Jun 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	14:50	83 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading, sediment hauling
2. One skip loader, two excavators, one backhoe, one blade, one bulldozer, three water trucks, three super ten trucks, 60 bottom dump trucks
3. Eight Griffith personnel (Joe/Johnny)

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

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

**List of species observed while monitoring:**

COYE, RLPA, CORA, CAQU, CLSW, CASJ, HOFI, BLPH, RTHA, western toad, deer mouse, common side-blotched lizard

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

**Log Entry**

0700- monitored sediment removal activities.

0710- monitored grading along the east end of the sediment removal area.

0720- monitored rock/rubble haul out.

0840- monitored vegetation clearing north of the scale house. Relocated 6 western toads, 1 common side-blotched lizard, and 1 deer mouse.

**Additional Comments**

N/A

Signature







**Sediment\_removal\_facingE.jpg**  
-118.17589 34.18875



**Vegetation\_clearing\_facingN.jpg**  
-118.17452 34.18918

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: Jun 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	95 %
End of Day	15:00	72 °F	0-3 MPH	90 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading, sediment hauling
2. One skip loader, two excavators, one backhoe, one blade, one bulldozer, three water trucks, 60 bottom dump trucks
3. Eight Griffith personnel (Joe)

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

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

**List of species observed while monitoring:**

NRWS, COYE, CORA, RLPA, MODO, CLSW, BLPH, ROPI, CA ground squirrel, western fence lizard, coastal whiptail

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

**Log Entry**

0700- monitored sediment removal activities.

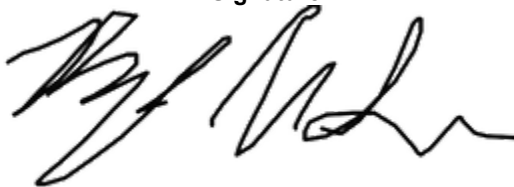
0711- monitored vegetation clearing west of the scale house. Relocated one western fence lizard.

1300- monitored vegetation clearing along western edge of the sediment removal area. Relocated one western toad.

**Additional Comments**

N/A

Signature





**Vegetation\_removal\_during\_facingSE.jpg**  
-118.17598 34.18891



**Sediment\_removal\_during\_facingSW.jpg**  
-118.17597 34.18892





**Vegetation\_clearing\_after\_facingN.jpg**  
-118.17687 34.188

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jun 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	59 °F	0-3 MPH	100 %
End of Day	15:00	79 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal monitoring with Victor on skid loader

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

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

**List of species observed while monitoring:**

BLPH PSFL BUSH BEWR YEWA BHGR HUWI NRWS CALT COYE

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

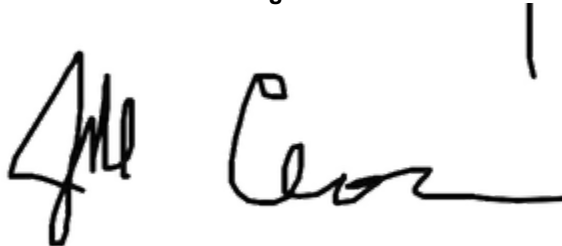
**Log Entry**

0700 Monitored vegetation removal on west side with Victor on skid loader. Relocated 2 western whiptails, 4 western fence lizards, 5 California toads, and a western harvest mouse.  
1330 moved to east side to monitor debris/ wood pile removal

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'Jill Coumoutso', with a vertical line to the right of the name.





**Vegetation\_removal\_facing\_E.jpg**  
-118.1766 34.18821



**Vegetation\_removal\_facing\_NW.jpg**  
-118.1769 34.18795



Debris\_wood\_removal\_facing\_NE.jpg  
-118.17318 34.1893

Habitat Restoration Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	43 °F	0-3 MPH	0 %
End of Day	15:30	64 °F	0-3 MPH	33 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing 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, 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

A handwritten signature in black ink, appearing to read 'Kent Hughes', written in a cursive style.





**Crew clearing weeds.jpg**  
-118.17291 34.19385



**Crew clearing planted area of invasive plants.jpg**  
-118.17295 34.19342



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	42 °F	0-3 MPH	15 %
End of Day	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

A handwritten signature in black ink, appearing to read 'K Hughes', written in a cursive style.



**photo\_1-Crew clearing weeds.jpg**  
-118.17278 34.19371



**photo\_2-Crew clearing non-native vegetation.jpg**  
-118.17268 34.19374

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	47 °F	0-3 MPH	0 %
End of Day	15:30	82 °F	0-3 MPH	6 %

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

Restoration Monitoring

**Construction Activity:**

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, parrots, California thrasher, white-crowned sparrow, Canada goose, California scrub jay, song sparrow

Did You Observe any Non-Compliance Issues? ☐ Yes ☒ No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read "Kent Hughes", written over a light gray grid background.





**Clearing crew at work.jpg**  
-118.17292 34.19376



**Crew removing non-native vegetation.jpg**  
-118.17288 34.19359

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max Murray**  
**Date of Log: Apr 7, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	08:16	48 °F	0-3 MPH	100 %
End of Day	12:50	63 °F	4-6 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

1. Vegetation clearing (weeding in the restoration area) 2. Hand tools and hand pulling (hula hoe, spade, and pick) and one gas-powered steamer. 3. Natures Image restoration crew consisting of Ron Crawford (foreman) and 10 laborers.

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

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

**List of species observed while monitoring:**

YRWA, CALT, CAQU, CORA, BLPH, HOFI, COYE, LEGO, SOSP, WCSP, EUST, CASJ, NOMO, ACWO, SPTO, BGGN, CANG, ANHU, ALHU, RSHA, RTHA, HOWR, BEWR, GREG, NUWO, Dryobates sp., CATH, COHA, WEKI, KILL, MODO, Western fence lizard, TUVU, AMCR, HOOR, MALL, BUSH

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

**Log Entry**

0645 - arrive on site 0700 - WEEP traning 0715 - pre-construction clearance of north side of DG-4 0730 - begin monitoring restoration crew 0830 - steamer begins steaming non-native vegetation 1245 - end monitoring

**Additional Comments**

Light rain on and off throughout the day.

**Signature**







**Vegetation\_clearing\_before\_facingSE.jpg**  
-118.1722 34.19531



**Vegetation\_clearing\_steamer\_during\_facingE.jpg**  
-118.17299 34.19327



**Vegetation\_clearing\_after\_facingNE.jpg**  
-118.17246 34.19509

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max Murray**  
**Date of Log: Apr 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:35	47 °F	0-3 MPH	90 %
End of Day	12:40	56 °F	4-6 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

1. Vegetation clearing within restoration area DG-4. 2. Hand tools (shovels, hoes, and picks) and a gas powered steamer 3. Natures Image crew consisted of a foreman (Ron Crawford) and ten laborers

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

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

**List of species observed while monitoring:**

CALT, COYE, YRWA, BEWR, ACWO, CAQU, WCSP, HOWR, CATH, SOSP, ANHU, RCKI, EUST, KILL, WEBL, CASJ, BGGN, HOFI, LEGO, CORA, AMCR, NOMO, DEJU, TUVU, MALL, COHA, NOFL, NUWO, RCPA, AWPE, coyote, CAGU, RBGU, WEGU, GBHE, GREG, CANG, NRWS, RTHA, MODO, WTSW, WILW

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

**Log Entry**

0645 - arrive onsite 0650 - begin pre-construction clearance 0715 - WEEP training 0720 - begin monitoring 1240 - end monitoring

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to be 'M. Murray', written over a horizontal line.





**Vegetation\_clearing\_before\_facingE.jpg**  
-118.1723 34.19473



**Vegetation\_clearing\_before\_facingE.jpg**  
-118.17271 34.19386





**Vegetation\_clearing\_after\_facingNE.jpg**  
-118.17242 34.19369



**Vegetation\_clearing\_after\_facingE.jpg**  
-118.17221 34.19481



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	47 °F	0-3 MPH	10 %
End of Day	15:30	67 °F	0-3 MPH	40 %

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

Restoration Monitoring

**Construction Activity:**

3 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, song sparrow, Say's phoebe, Anna's hummingbird, Canada goose

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**Crew clearing weeds from restoration area.jpg**  
-117.70867 34.09312



**Another view of crew working removing weeds.jpg**  
-117.70868 34.09306

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	42 °F	0-3 MPH	0 %
End of Day	15:30	74 °F	0-3 MPH	0 %

**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, California thrasher, California scrub jay, parrots, house finch, song sparrow, bobcat

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read 'Kent Hughes', written in a cursive style.





**photo\_1-Crew clearing vegetation.jpg**  
-118.1725 34.19403



**photo\_2- Crew removing weeds.jpg**  
-118.17209 34.19374

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	56 °F	0-3 MPH	100 %
End of Day	15:30	64 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing weeds and debris from area DG-3A.

**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, black-headed grosbeak

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**







**Area cleared of weeds by steam treatment 4 weeks previously.jpg**  
-117.70871 34.09306



**Area cleared of weeds by hand 2 days previously.jpg**  
-117.70871 34.09306

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	43 °F	0-3 MPH	0 %
End of Day	15:30	74 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing 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, parrots, California thrasher, white-crowned sparrow, acorn woodpecker, yellow-rumped warbler

**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- Clearance crew at work.jpg**  
-118.17281 34.19368



**photo\_2-Crew removing non-native invasive plant species from planted restoration area.jpg**  
-118.17297 34.1935

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	52 °F	0-3 MPH	100 %
End of Day	15:30	74 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing 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, parrots, California thrasher, white-crowned sparrow, acorn woodpecker, yellow-rumped warbler

**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-Crew clearing weeds.jpg**  
-118.17314 34.19371



**photo\_2-Again crew clearing weeds.jpg**  
-118.17311 34.19366



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	56 °F	0-3 MPH	100 %
End of Day	15:30	64 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing weeds and debris from area DG-3A.

**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, black-headed grosbeak

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**





**Debris covering part of the DG-3A planted area.jpg**  
-118.17302 34.18773



**View of extent of debris in DG-3A.jpg**  
-118.17361 34.18616





**Another view of debris in DG-3A.jpg**  
-118.17334 34.18672



**Crew working to remove debris from planted area.jpg**  
-118.17307 34.18738

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	55 °F	0-3 MPH	100 %
End of Day	15:30	72 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing weeds and debris from area DG-3A.

**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, black-headed grosbeak

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

**Log Entry**

Monitored weed and debris clearance, no corrective actions needed.

**Additional Comments**

**Signature**

A handwritten signature in black ink, appearing to read 'Kent Hughes', with a stylized flourish at the end.





**Photo 1\_Overview of debris flow DG-3A.jpg**  
-118.173157 34.186587



**Photo 2\_Southern debris flow area DG-3A.jpg**  
-118.17294 34.18701



**Photo 3\_Clearing an area for vehicle passage through debris deposit.jpg**  
-118.17293 34.18776



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	51 °F	0-3 MPH	0 %
End of Day	15:30	79 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

7 persons clearing weeds and debris from area DG-3A.

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

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

**List of species observed while monitoring:**

Yellow-rumped warbler, California towhee, common raven, parrots, white-crowned sparrow, Say's phoebe, spotted towhee

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

**Log Entry**

Monitored weed and debris clearance, no corrective actions needed.

**Additional Comments**

**Signature**





**Photo 1\_Work area before.jpg**  
-118.17305 34.18777



**Photo 2\_Work area after clearing activities.jpg**  
-118.17299 34.18775





Photo 3\_Work area and road after debris removal by DWP.jpg  
-118.17301 34.18777

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	54 °F	0-3 MPH	0 %
End of Day	15:30	79 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

7 persons clearing weeds and debris from area DG-3A.

**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, spotted towhee, song sparrow

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

**Log Entry**

Monitored weed and debris clearance, no corrective actions needed.

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read 'Kent Hughes', with a stylized, overlapping loop at the end.



**Photo 1\_Crew clearing area of non-native plants.jpg**  
-118.17307 34.18753



**Photo 2\_Clearing weeds from one of the planted areas.jpg**  
-118.17337 34.1869





**Photo 3\_View of road cleared of debris.jpg**  
-118.1732 34.18721



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Apr 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	61 °F	0-3 MPH	0 %
End of Day	15:30	82 °F	0-3 MPH	6 %

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

Restoration Monitoring

**Construction Activity:**

Restoration crew removing non-native vegetation in DG-3A with hand tools

**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 quail, spotted towhee, song sparrow, unidentified raptor

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read "Kent Hughes". The signature is written in a cursive, flowing style with some loops and a trailing flourish.



**Photo 1\_Crew clearing non-natives on slope.jpg**  
-118.17306 34.18742



**Photo 2\_Crew clearing weeds on slope.jpg**  
-118.17313 34.18727

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Brian Zitt**  
**Date of Log: Apr 27, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:50	61 °F	0-3 MPH	0 %
End of Day	12:01	82 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Eight Natures Image employees working in DG-3 removing non-native vegetation using hand tools and pulling.

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

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

**List of species observed while monitoring:**

SOSP, CASJ, CALT, KILL, MALL, AMCO, NRWS, ANHU, CLSW, ACWO, HOFI, BLPH, EUST, MODO

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

**Log Entry**

0710 conducted a sweep of the work areas.

0725 monitored non-native vegetation removal in DG-3.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to be 'BZ1', written over a light gray grid background.





Photo 1\_DG-3\_vegetation clearing\_before\_facingS.jpg  
-118.17314 34.18721



Photo 2\_DG-3\_vegetation clearing\_after\_facingS.jpg  
-118.17311 34.18723



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Brian Zitt**  
**Date of Log: Apr 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	58 °F	0-3 MPH	0 %
End of Day	11:50	84 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image restoration crew (8 staff) working in DG-2B removing non-native vegetation by hand.

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

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

**List of species observed while monitoring:**

AMCR, MODO, CASJ, SOSP, ANHU, CALT, SPTO, MALL, ACWO, CLSW, desert cottontail

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

**Log Entry**

0700 crew begin removing non-native vegetation in DG-2B

1130 crew split to take bagged vegetation to dumpster while remaining crew continued removing non-native vegetation.

**Additional Comments**

**Signature**





**Non-native vegetation removal\_DG-2B\_facingNW.jpg**  
-118.17246 34.18835

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carley Lancaster**  
**Date of Log: Apr 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	70 %
End of Day	12:00	81 °F	0-3 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew used hand tools to remove non-native weeds in DG-2B. Crew consisted of two foremen (Ron Crawford and Marvin Sanchez) and six laborers. Target weeds included black mustard, poison hemlock, sweet yellow clover, black nightshade, and non-native grasses.

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

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

**List of species observed while monitoring:**

CASJ BEWR ANHU CALT SPTO ACWO CORA RTHA RSHA EUST BUSH LEGO HOFI RCSP WREN CATH KILL  
SOSP MODO CLSW NRWS

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

**Log Entry**

0700, biologist arrived on site and conducted pre-removal survey

0715, crew began removing weeds in DG-2B

1200, biologist conducted final sweep and left for the day.

**Additional Comments**

N/A

**Signature**







**Photo 1\_Weeding\_DG-2B\_during\_facingNW.jpg**  
-118.17242 34.18887



**Photo 2\_Weeding\_DG-2B\_during\_facingN.jpg**  
-118.17252 34.18866



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: Apr 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	64 °F	0-3 MPH	0 %
End of Day	13:30	75 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

8 workers from the Natures Image crew hand weeding in DG-2

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

Least Bell's vireo, Yellow warbler

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

1 individual briefly heard to south and moving north along east edge of basin along project limits. Only sang 2 complete songs as it moved through the area. Quickly left. None heard or seen for the remainder of the day.

**List of species observed while monitoring:**

CASJ, CATH, BUSH, SOSP, CAQU, ANHU, BEWR, MODO, RSHA, WIWA, COYE, YEWA, LBVI, BGGN, CORA, parrots, California whipsnake, western toad

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

**Log Entry**

0700 conducted preclearance sweep and did not detect any new nests. Authorized crew to begin hand clearing.

0915 migrant LBVI briefly heard as it moved through area. Entered occurrence in Collector and notified Lauren.

1045 observed Bewick's wren entering hole 3 times throughout morning in old stick nest in oak tree north of where crew was working. Flagged a buffer and monitored to protect the nest that is assumed to be in building phase.

1100 Bewick's wren pair seen taking nesting material to underside of staged Arrowboard. Immediately notified Lauren, Mari (ECORP PM) and Mark Gim (LACPW) that board should be moved before nest is completed and eggs are laid.

1300 Griffith moved Arrowboards to tire wash.

1330 Crew completing already cleared area outside BEWR-4 buffer. Finished monitoring and departed from site.

**Additional Comments**

N/A

**Signature**





BEWR-4 buffer\_facing N\_DG-2A.jpg  
-118.17197 34.18977

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carley Lancaster**  
**Date of Log: May 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	60 %
End of Day	12:00	79 °F	0-3 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew used hand tools to remove non-native weeds in DG-4B. Crew consisted of two foremen (Ron Crawford and Marvin Sanchez) and four laborers. Target species included perennial pepperweed, poison hemlock, black mustard, London rocket, and non-native grasses.

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

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

**List of species observed while monitoring:**

CASJ BUSH ACWO BEWR CALT SPTO ANHU CORA AMCR NOMO CATH RSHA BEWR EUST CAQU SOSP  
MODO BLPH CLSW NRWS

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

**Log Entry**

0700, biologist arrived on site and conducted pre-removal sweep.

0715, crew began removing weeds in DG-4B.

1200, biologist conducted final sweep and left for the day.

**Additional Comments**

N/A

**Signature**





**Photo 1\_Weeding\_before\_DG-4B\_facingSE.jpg**  
-118.17517 34.19264



**Photo 2\_Weeding\_during\_DG-4B\_facingSE.jpg**  
-118.17519 34.19255



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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	49 °F	0-3 MPH	0 %
End of Day	15:30	91 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

9 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, California thrasher, white-crowned sparrow, song sparrow

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'Kent Hughes', with a stylized, cursive script.



**Weed clearing DG-4.jpg**  
-118.17523 34.19247



**Weed clearing 2.jpg**  
-118.17512 34.19241

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	54 °F	0-3 MPH	0 %
End of Day	15:30	93 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, California thrasher, white-crowned sparrow, Nuttall's woodpecker, acorn woodpecker

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**Crew weeding.jpg**  
-118.17533 34.19199



**Crew weeding 2.jpg**  
-118.1751 34.1921



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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	54 °F	0-3 MPH	0 %
End of Day	15:30	93 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, California thrasher, white-crowned sparrow, Nuttall's woodpecker, acorn woodpecker

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

**Log Entry**

Monitored weed clearance, no corrective actions needed. Encountered a young mountain lion mid-morning in northern DG-4. Location recorded in Collector.

**Additional Comments**

Signature





**Crew removing weeds.jpg**  
-118.1746 34.1935



**Crew clearing non-natives from restoration area.jpg**  
-118.17406 34.19403

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max Murray**  
**Date of Log: May 7, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	64 °F	0-3 MPH	10 %
End of Day	07:30	97 °F	0-3 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

1. Vegetation clearing within restoration area DG-4.
2. Hand tools (shovels, hoes, and picks) and a gas-powered steamer
3. Natures Image crew consisted of a foreman (Daniel) and five laborers

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

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

**List of species observed while monitoring:**

HOPI, CAQU, ACWO, CALT, ANHU, SOSP, COYE, LEGO, BUSH, MODO, BEWR, NRWS, SPTO, AMRO, CATH, RTHA, RSHA, side blotch lizard, western fence lizard, coastal whiptail

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

**Log Entry**

0630 - arrive on site

0654 - clearance survey of DG-4; Nature's image crew member mountain lion observation

0700 - begin monitoring Natures Image crew removing non-native vegetation in DG-4

1330 - end monitoring

**Additional Comments**

**Signature**





**Vegetation\_clearing\_before\_facingN.jpg**  
-118.17538 34.19125



**Vegetation\_clearing\_during\_facingE.jpg**  
-118.17525 34.1911





**Vegetation\_clearing\_after\_facingW.jpg**  
-118.17535 34.19129



**Vegetation\_clearing\_after\_facingE.jpg**  
-118.17536 34.19123

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max Murray**  
**Date of Log: May 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:53	64 °F	0-3 MPH	0 %
End of Day	13:33	88 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

1. Vegetation clearing within restoration area DG-4.
2. Hand tools (shovels, hoes, and picks)
3. Natures Image crew consisted of a foreman (Daniel) and ten laborers

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

Least Bell's vireo, Yellow warbler

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

1 male LBVI calling from an area near a small drainage lined with willows in DG-4. First heard calling male at 0715 and last call heard around 0900. During this time the bird would call for 10-20 minutes then not call for 5-10 minutes. No calls were heard after 0900.

**List of species observed while monitoring:**

ACWO, COHA, CORA, AMCR, CALT, COYE, SPTO, LEGO, NUWO, NRWS, CAQU, SOSP, CASJ, BEWR, BLPH, HOWR, RSHA, HOFI, YEWA, LBVI, BHGR, western fence lizard, side blotch lizard, coastal whiptail, coyote, cottontail

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

**Log Entry**

0630 - arrive on site; clearance survey of DG-4

0700 - begin monitoring Natures Image crew removing non-native vegetation in DG-4

0715 - heard LBVI calling in DG-4

1330 - end monitoring

**Additional Comments**

N/A

**Signature**







**Vegetation\_clearing\_before\_facingN.jpg**  
-118.17504 34.19122



**Vegetation\_clearing\_after\_facingW.jpg**  
-118.17496 34.19302

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**







**Crew removing non-native plants from restoration area.jpg**  
-118.17441 34.19377



**Crew weeding.jpg**  
-118.17287 34.19398

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**







**Crew removing weeds in north DG-4.jpg**  
-118.17327 34.19349



**Crew clearing non-native plants from restoration areas in DG-4.jpg**  
-118.17329 34.19348

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: May 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	58 °F	0-3 MPH	0 %
End of Day	15:30	78 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, California towhee, song sparrow, unidentified raptor, Downey woodpecker, house finch

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read 'Kent Hughes', written in a cursive style.





**Crew removing weeds in restoration area.jpg**  
-118.17309 34.19376



**Crew removing non-native plants from restoration area.jpg**  
-118.17321 34.19354

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: May 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	57 °F	0-3 MPH	0 %
End of Day	15:30	82 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

8 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, 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**







**Crew weeding in restoration area.jpg**  
-118.17742 34.18899



**Crew removng non-natives from restoration area.jpg**  
-118.17734 34.1887

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: May 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read 'Kent Hughes', written over a light gray grid background.





**Crew clearing non-native plants from restoration area.jpg**  
-118.17785 34.18766



**Crew removing weeds from restoration area.jpg**  
-118.17294 34.19327

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	51 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow, black phoebe

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Steady rain began about 0830 stopping work.

Crew waited for rain to abate then left around 1100 when rain continued with no sign of letting up.

**Signature**







**Crew removing weeds.jpg**  
-118.17405 34.19189



**Crew removing non-native vegetation from restoration area in DG-4.jpg**  
-118.17474 34.19176

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	58 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

5 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**







**Willow "cotton" covering ground.jpg**  
-118.17779 34.18716



**Area being weeded.jpg**  
-118.17712 34.18674

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: May 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	51 °F	0-3 MPH	31 %
End of Day	15:30	76 °F	0-3 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow, black phoebe

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature







**Crew removing non-native plants.jpg**  
-118.17443 34.19147



**Crew weeding restoration area.jpg**  
-118.1744 34.19147

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: May 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	0 %
End of Day	15:30	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

10 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, acorn woodpecker, northern rough winged swallow

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**

A handwritten signature in black ink, appearing to read 'Kent Hughes', with a stylized flourish at the end.





**Crew weeding in northern DG-4.jpg**  
-118.1744 34.19128



**More weeding in northern DG-4.jpg**  
-118.17299 34.1933

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	0 %
End of Day	15:30	84 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

6 persons clearing non-native species (weeds) from planted areas in southern DG-4.

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

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

**List of species observed while monitoring:**

Common raven, California thrasher, spotted towhee, Nuttall's woodpecker, California towhee, Cooper's hawk


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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read 'Kent Hughes', written over a light gray grid background.





**Crew removing non-native plants from restoration area.jpg**  
-118.17709 34.18651



**Another crew removing weeds from restoration area.jpg**  
-118.17723 34.18673

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	68 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

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

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

**List of species observed while monitoring:**

Common raven, California thrasher, spotted towhee, Nuttall's woodpecker, California towhee, Cooper's hawk

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature







**Crew weeding in restoration area.jpg**  
-118.17748 34.18822



**Crew removing non-native vegetation.jpg**  
-118.17751 34.18815

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: May 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

10 persons clearing non-native species (weeds) from planted areas in DG-4

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

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

**List of species observed while monitoring:**

Common raven, parrots, California thrasher, song sparrow, red-tailed hawk, Downey woodpecker, spotted towhee, Bewick's wren

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature







**Restoration area being weeded.jpg**  
-118.17723 34.18669



**Also a restoration area being weeded.jpg**  
-118.17715 34.18681

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: May 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	68 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

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

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

**List of species observed while monitoring:**

Common raven, California thrasher, spotted towhee, Nuttall's woodpecker, California towhee, Cooper's hawk

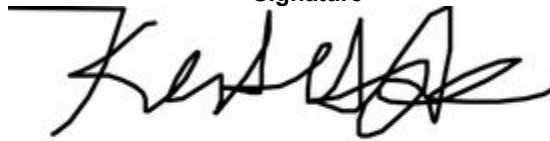
**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read 'Kent Hughes', written over a horizontal line.





**Crew member removing weeds.jpg**  
-118.17716 34.18764



**Crew removing non-native material.jpg**  
-118.17714 34.18765

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Jun 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	100 %
End of Day	15:30	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

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

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

**List of species observed while monitoring:**

Common raven, California thrasher, spotted towhee, California towhee, parrots, Bewick's wren, dark-eyed junco

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**







**Crew removing non-native vegetation from restoration area.jpg**  
-118.17747 34.1882



**Crew removing weeds in restoration area.jpg**  
-118.17748 34.18822

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Jun 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	54 °F	0-3 MPH	100 %
End of Day	15:30	82 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

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

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

**List of species observed while monitoring:**

Common raven, California thrasher, spotted towhee, California towhee, parrots, Bewick's wren, dark-eyed junco, California towhee

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**

A handwritten signature in black ink, appearing to read 'Kent Hughes', written in a cursive style.





**Crew clearing non-native plants from restoration area.jpg**  
-118.17745 34.18864



**Crew clearing weeds from restoration area.jpg**  
-118.17767 34.18862

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

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	60 °F	0-3 MPH	0 %
End of Day	15:30	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas in southern DG-4.

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

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

**List of species observed while monitoring:**

Common raven, California thrasher, spotted towhee, California towhee, parrots, Bewick's wren, dark-eyed junco

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

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature







**Crew removing weeds in restoration area.jpg**  
-118.17754 34.18922



**Crew pulling non-native vegetation.jpg**  
-118.17752 34.18936

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:19	62 °F	0-3 MPH	100 %
End of Day	14:50	79 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew conducted hand-pulling in DG-4. Crew included 8 laborers, plus foreman Daniel.

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

Yellow warbler

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

**List of species observed while monitoring:**

Anna's hummingbird, California scrub jay, green parrots, bushtits, California towhee, Nuttall's woodpecker, yellow warbler, Bewick's wren, spotted towhee, common yellowthroat, song sparrow, California quail

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

**Log Entry**

Non-native species controlled were primarily poison hemlock, perennial pepperweed, and wild radish.

1330: Anna's hummingbird nest found in adjacent DG-4A area. Established buffer and observed female's activity.

1445: Female at ANHU-12 was acting stressed by nearby work. Monitors told crew to stop work 15 minutes early to avoid further disturbance.

**Additional Comments**

N/A

**Signature**







**Hand\_pulling\_in\_progress\_facingNE.jpg**  
-118.17673 34.1896



**Hand\_pulling\_midday.jpg**  
-118.17671 34.1896

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	100 %
End of Day	15:00	67 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew, including 12 laborers and foreman, Daniel. Hand-pulling in northern DG-4 area

**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 scrub jay, California towhee, spotted towhee, northern rough-winged swallow, Cooper's hawk, lesser goldfinch, house finch, western toad, red-tailed hawk

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

**Log Entry**

0630 light precipitation, continued until about 0930. Weeds removed were primarily black mustard, tocalote, and italian thistle. No corrective action needed.

**Additional Comments**

N/A

**Signature**





**Hand pulling before facing NE.jpg**  
-118.17273 34.19416



**Hand pulling progress midday.jpg**  
-118.17268 34.1942





**Western toad found during weed removal.jpg**  
-118.17231 34.19431



**Hand pulling after facing S.jpg**  
-118.17243 34.19447



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:50	85 °F	4-6 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Two Natures Image crews working in adjacent areas of northern DG-4. Lolo's crew, consisting of 5 laborers, is hand-pulling weeds in the area south of the large parking area. Daniel's crew, consisting of 12 laborers, is to the northeast in the same area as Friday 6/5, also hand-pulling.

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

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

**List of species observed while monitoring:**

Cooper's hawk, red-tailed hawk, California towhee, Anna's hummingbird, northern rough-winged swallow, California scrub jay

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

**Log Entry**

Gave WEEP training to temporary worker (Adrian) before starting. Observed two crews hand-pulling in nearby areas of DG-4. Weeds pulled were primarily black mustard, Italian thistle, and tocalote. No corrective actions required.

**Additional Comments**

N/A

**Signature**





**South crew hand-pulling, before, facing W**  
-118.17325 34.19374



**North crew hand-pulling, before, facing NE**  
-118.1726 34.19457



**South crew, midday, facing W**  
-118.17311 34.19372



**North crew, facing NE, midday**  
-118.17251 34.1946

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:40	92 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11, with foreman Daniel. Hand-pulling in north end of DG-4

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

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

**List of species observed while monitoring:**

Lesser goldfinch, California scrub jay, western toad, spotted towhee

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

**Log Entry**

0630 Gave WEEP training to temporary worker (Adrian) before starting work.

0930 Workers flushed a western toad when clearing a patch of lush vegetation near a suspected irrigation leak.

Monitor relocated toad to a safe area nearby. Monitored non-native vegetation removal, mostly consisting of black mustard, tocalote, and Indian plantain (*Plantago arenaria*).

**Additional Comments**

N/A

**Signature**







**Hand-pulling in progress, facing E**  
-118.17239 34.19549



**Hand-pulling in another area, facing W**  
-118.17226 34.19501



**Hand-pulling, after, facing E**  
-118.17226 34.19552

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	71 °F	0-3 MPH	0 %
End of Day	13:05	94 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew, consisting of 11 workers plus foreman Daniel, hand-pulling in northern area of DG-4

**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 scrub jay, common yellowthroat, California quail, desert cottontail

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

**Log Entry**

0630 Gave WEEP training to temporary worker (Dominique) before starting work. Observed hand-pulling of primarily perennial pepperweed, poison hemlock, and black mustard.

1230 ECORP monitor found an irrigation leak in LBV buffer. Accompanied one crew member into buffer to fix leak.

1300 due to heat, foreman stopped hand-pulling and will have crew check irrigation lines and bring bagged vegetation to dumpsters for remaining time.

**Additional Comments**

N/A

**Signature**







**Hand-pulling, before, facing SE**  
-118.17281 34.19395



**Same view, progress in early afternoon**  
-118.1728 34.19389



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	13:25	90 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11, plus foreman Daniel, hand-pulling in northern area of DG-4

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

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

**List of species observed while monitoring:**

Allen's hummingbird, house finch, Bewick's wren, common yellowthroat, California quail, bushtit, song sparrow, black phoebe, red-tailed hawk

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

**Log Entry**

0830 Crew member found song sparrow nest about 20ft outside SOSP-3 buffer. Established 75ft buffer and moved crew.

1030 Found lizard (possibly San Diegan tiger whiptail) caught in caging around plant. Used needlenose pliers to widen the cell so lizard could slip through. Lizard had not been stuck for long and no visible harm was caused. Lizard left the area safely on its own. Observed Natures Image crew hand-pulling primarily poison hemlock and black mustard.

**Additional Comments**

N/A

**Signature**





**Proposed work area near SOSP-3 buffer, crew later moved due to SOSP-7, facing NE**  
-118.17291 34.19413



**Hand-pulling in area south of SOSP-7 buffer, facing S**  
-118.17269 34.19366



**Crew cleaning up pulled vegetation, facing N**  
-118.17234 34.19396

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 12, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	40 %
End of Day	14:30	77 °F	0-3 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10, plus foreman Daniel hand-pulling in northern area of DG-4

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

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

**List of species observed while monitoring:**

Bushtit, California scrub jay, spotted towhee, lesser goldfinch, California quail

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

**Log Entry**

Observed hand-pulling of non-natives, primarily poison hemlock, black mustard, and dogweed. No corrective actions needed.

**Additional Comments**

N/A

**Signature**

 l





**Work area, hand-pulling, before, facing SE**  
-118.17329 34.19347



**Hand pulling, after, facing W**  
-118.17313 34.19339



**Finishing hand-pulling in north section of DG-4, facing W**  
-118.17365 34.194

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	5 %
End of Day	14:45	80 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8, plus foreman Daniel, hand-pulling non-native weeds in DG-2B and DG-2A.

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

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

**List of species observed while monitoring:**

Northern rough-winged swallow, California quail, California scrub jay, Anna's hummingbird, acorn woodpecker

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

**Log Entry**

0645 NI crew drove into site in a caravan, as today is the first time on the east side for some crew members. Parked near equipment container at Johnson field and walked to DG-2B.

0920 Crew member saw snake, likely a California striped racer based on description, that immediately left the area.

1230 Crew completed work in DG-2B and moved to DG-2A. Observed hand-pulling of mainly black mustard. Spoke with foreman regarding spikes at air quality stations and reminded crew to drive slowly and avoid kicking up dust.

**Additional Comments**

N/A

**Signature**







**Photo 1-crew pulling in DG-2B, before, facing S.jpg**  
-118.17234 34.1891



**Photo 2-pulling complete in DG-2B, facing S, same place as photo 1.jpg**  
-118.1724 34.18909





**Photo 3-before hand-pulling in DG-2A, facing N.jpg**  
-118.1722 34.18962



**Photo 4-weeding complete in DG-2A, facing N, same place as photo 3.jpg**  
-118.1722 34.18956

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	14:40	73 °F	0-3 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8, plus foreman Daniel, hand-pulling in DG-3A, near construction activities

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

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

**List of species observed while monitoring:**

Northern rough-winged swallow, song sparrow, common yellowthroat, Allen's hummingbird, Cooper's hawk

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

**Log Entry**

0930 Griffith employee came over to remind crew to stay off the road as trucks will be driving through all day. Crew has been careful all morning to stay out of the way as trucks approach.

1030 Crew members discovered the two irrigation lines that run under the road dividing DG-3A have been cut and removed, causing water to leak onto the road and preventing plants in the lower section from getting water. ECORP will coordinate with the county, SWS, and NI to figure out a solution. Observed NI crew hand-pulling mainly black mustard, curly dock, and wild radish.

**Additional Comments**

N/A

**Signature**







**Photo 1-work area, facing N.jpg**  
-118.17288 34.18744



**Photo 2-before hand-pulling, facing S.jpg**  
-118.17309 34.18735





**Photo 3-eucalyptus re-sprouted from stump treated with copper nails.jpg**  
-118.17311 34.18727



**Photo 4-after hand-pulling, facing S, same place as Photo 2.jpg**  
-118.17306 34.18734



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jun 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	64 °F	0-3 MPH	100 %
End of Day	15:00	77 °F	7-9 MPH	30 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 plus foreman Daniel hand-pulling at DG-3A until 1200, 1230 moved to DG-4 and DG-4C.

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

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

**List of species observed while monitoring:**

SOSP, NRWS, COYE, CASJ, CALT, LEGO. Western toadlets around water but also in upland weeding area, advising crews to avoid trampling.

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

**Log Entry**

0845 Margie and Scott nest-searched for SOSP nest but none were found. Crew is cleared to weed that area.  
0908 crew member discovered a small 12" rattlesnake, picked it up and was advised to put it down but he relocated to E side of road (where already weeded) before we could intercept him. Located snake, see photo 2. Weed species removed at DG-3A were mainly poison hemlock and perennial pepperweed.  
1230 Checked old nest locations, none found. Searched for new nests, none found. Weed species removed at west side sites were mainly mustard and poison hemlock. Sites DG-4, DG-4C still in progress at end of day, will continue tomorrow.

**Additional Comments**

N/A

**Signature**





**Photo 1-before\_handpulling\_facing\_south.jpg**  
-118.17314 34.18727



**Photo 2-rattlesnake\_relocated.jpg**  
-118.17306 34.18692





**Photo 3-after hand pulling facing south same as photo 1.jpg**  
-118.17319 34.18734



**Photo 4-during hand pulling facing east.jpg**  
-118.1749 34.19258

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	100 %
End of Day	14:50	71 °F	0-3 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10, plus foreman Daniel hand-weeding in DG-4C, DG-4B, and DG-4.

**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, northern rough-winged sparrow, spotted towhee

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

**Log Entry**

Gave two new temporary workers WEEP training before starting work.

0710 Member of the public followed crew through west gate and became aggressive when realizing gate was locked behind him. He drove down the trail to the east of the vireo buffer. Police, County, and Construction Manager were contacted and controlled the situation. ECORP biologist observed tow truck and associated activity in the buffer.

1000 Went with Daniel to investigate social trail. Found teepees and willows with the bark stripped off. May be left from previously noted activities by Tom Sawyer campers. Observed crew pulling mainly poison hemlock and perennial pepperweed. Crew transitioned from pulling only in planted areas to all of Phase 1. No corrective actions required.

**Additional Comments**

N/A

**Signature**







**Photo 1-hand-pulling in progress, DG-4C, facing N.jpg**  
-118.17434 34.19384



**Photo 2-after weeding, facing N, same place as Photo 1.jpg**  
-118.17433 34.19376





**Photo 3-hand-pulling in progress, DG-4B, facing E.jpg**  
-118.17505 34.192



**Photo 4-after weeding, facing E, same place as Photo 3.jpg**  
-118.175 34.19201

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jun 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	100 %
End of Day	15:00	80 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 plus foreman Daniel, 4 more arrive at 0830. Hand-pulling.

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

Least Bell's vireo, Yellow warbler

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

Working in DG-4 and DG-4B outside LBVI buffer, heard LBVI occasionally singing within nest buffer during 0800-0900, but bird was not leaving buffer.

**List of species observed while monitoring:**

CASJ, CALT, NUWO, ACWO, BHGR, SOSP, CATH, LBVI, woodrat middens, OATI, SPTO, BUSH, HOFI, NRWS, BLPH, LEGO, ANHU, ATFL, CAKI, RTHA

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

**Log Entry**

0630 finishing up DG-4B and getting into DG-4. Two crew members stung/bit by yellow jackets nesting in old woodrat midden. Analgesic lotion and bandaids provided from first aid kit.

0910 Met with Charlie Wun from Tetra Tech, needs to access an air quality monitoring station on east side of LBVI next Tuesday, says he contacted Lauren about driving through buffer to station that is just outside bufer boundary.

1200 working exclusively in DG-4, while Daniel left with several crewmen to repair broken irrigation line at DG-3A.

1230 relocated small western toad to nearby mule fat thicket when encountered under elderberry planting.

**Additional Comments**

N/A

**Signature**







**DG-4, DG-4B, during hand pulling looking S.jpg**  
-118.17512 34.19198



**DG-4 before hand-pulling, facing N.jpg**  
-118.17457 34.19161





**DG-4 after hand-pulling facing N.jpg**  
-118.17453 34.19157

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:50	62 °F	0-3 MPH	100 %
End of Day	14:50	82 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8, plus foreman Daniel hand-pulling in DG-4

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

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

**List of species observed while monitoring:**

House wren, lesser goldfinch, spotted towhee,

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

**Log Entry**

0630 Gave WEEP training to temporary worker (Kyle) before starting work.

0900 Crew member thought he found a nest. Observed a large pile of sticks and debris that could be a rat nest.

1010 Observed desert cottontail on edge of planted area. Daniel said he saw three juveniles with it, but they are now under mulefat cover. Observed crew hand-pulling in pockets between mulefat. Weeds removed were mainly black mustard and poison hemlock.

**Additional Comments**

N/A

**Signature**





**Photo 1- before weeding, facing S.jpg**  
-118.17456 34.19163



**Photo 2- after weeding, same view as Photo 1.jpg**  
-118.17446 34.19145





**Photo 3- before weeding in DG-4, Facing N.jpg**  
-118.17388 34.19157



**Photo 4- after weeding, same view as Photo 3.jpg**  
-118.17385 34.19161



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jun 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	100 %
End of Day	14:53	87 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 including foreman Daniel. Hand-pulling in mule fat scrub and willow forest. Primarily pulling Conium, Lepidium, Hirschfeldia, Carduus.

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

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

**List of species observed while monitoring:**

AMCR, SPTO, BUSH, CALT, COYE, LEGO, ALHU, MODO, BEWR, CASJ, BLPH, coastal whiptail, western fence lizard, side-blotched lizard, HOOR, CAKI

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

**Log Entry**

0630 continue DG-4 and DG-4 WOUS from yesterday, along SE edge, mostly beyond planted/irrigated area in willows/mule fat.

0730 training one new crewman.

0845 noticed crew had been inadvertently pulling native *Allophylum divaricatum*, advised to leave it.

1215 after visiting BEWR-5 nest site three times today, still no activity, buffer removed in Collector, flags removed.

Crews may not weed that area before tomorrow. Yellow-jacket nest at 34 11'28.580 118 10'26.314" is preventing some Conium/Lepidium removal (visible at center of photo 3). Crew done pulling at 1445 to check drip lines.

**Additional Comments**

N/A

**Signature**



"



**Photo 1-hand-pulling\_facingS.jpg**  
-118.17407 34.19133



**Photo 2-after\_hand-pulling\_facingS.jpg**  
-118.17412 34.19134





**Photo 3- hand-pulling\_nearly\_completed\_facingS.jpg**  
-118.17401 34.19124



**Photo 4- hand-pulling\_completed\_facingNW.jpg**  
-118.17407 34.19133

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jun 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	15:00	86 °F	4-6 MPH	30 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 14 including foreman Daniel Holmes hand-pulling in DG-4, DG-4 WOUS, continuing in same area as yesterday.

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

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

**List of species observed while monitoring:**

BEWR, CASJ, MODO, CALT, BUSH, western fence lizard, SPTO, SOSP, CATH, coastal whiptail, ACWO, BLPH

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

**Log Entry**

0630 crew continuing in DG-4 along east boundary. Crew questioned whether to pull Conium etc entangled in native dodder (Cuscuta; I confirmed yes, more important to remove weeds than save all dodder.  
1130 move further north into released BEWR-5 buffer, in DG-4 and DG-4 WOUS.

**Additional Comments**

N/A

**Signature**







Photo 1- before\_hand\_pulling\_facingNW.jpg  
-118.17397 34.19097



Photo 2- before\_hand\_pulling\_facingNE.jpg  
-118.17399 34.19093





Photo 3- after\_hand\_pulling\_from\_photo1\_facingNW.jpg  
-118.17397 34.19096



Photo 4- during\_hand\_pulling\_facingS\_from\_main\_trail.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	13:50	75 °F	0-3 MPH	50 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12, plus foreman Daniel, hand-pulling in DG-4, DG-4-WOUS, and DG-4B.

**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, California scrub jay, bushtit, southern pacific rattlesnake, western whiptail

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

**Log Entry**

0830 Several cars were parked in west side lot near dumpster where NI crew parks. Cars belong to Tom Sawyer Camp staff who have access to the gate. NI locked gate to prevent public mistaking area for public parking. Crew is pulling mostly poison hemlock in pockets of non-natives among mulefat in DG-4 and DG-4-WOUS.

0930 Two crew members stung by hornets, gave antiseptic and sting relief wipes and ointment.

1015 Crew member found rattlesnake under willow already moving away. Snake coiled under a mulefat, monitor flagged off area and Daniel moved nearby vegetation piles. The dumpster for cleared vegetation is full, so crew has been piling vegetation to be carried out later. The plan is for weeding to stop early and spend the last 2 hours hauling tarped vegetation out of the mitigation areas.

1200 crew moved to DG-4B to pull weeds missed last time while waiting for new dumpster.

1350 Daniel told crew to stop pulling and to combine vegetation piles and check irrigation lines.

**Additional Comments**

N/A

**Signature**







**One of several areas being weeded, facing NE.jpg**  
-118.17376 34.19186



**Full dumpster and piled tarps.jpg**  
-118.17546 34.19235



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	100 %
End of Day	13:15	80 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13, plus foreman Daniel hand-pulling and hauling vegetation to the dumpster in DG-4 and DG-4-WOUS.

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

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

**List of species observed while monitoring:**

Spotted towhee, California scrub jay, house wren, northern rough-winged swallow

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

**Log Entry**

Observed two crews, one hauling vegetation piles from past two days to empty dumpster and the other pulling mostly perennial pepperweed in DG-4 along southern boundary of DG-W-2.

1000 Accompanied Daniel and 1 crew member into LBVI-1 buffer to check irrigation lines. The rest of the crew stopped weeding and is hauling weeds. The dumpster is already almost full.

1215 Crew finished hauling out all pulled vegetation and switched to checking and securing microlines.

1300 Monitor felt comfortable leaving while crew planned to check microlines in areas cleared in the last two weeks and straighten larger irrigation lines along roads.

**Additional Comments**

N/A

Signature





**Trail after weeding and clearing vegetation piles, facing W.jpg**  
-118.17402 34.19211



**Before weeding in DG-4, facing SW.jpg**  
-118.17448 34.19249



**Progress of area when weeding paused for the day, facing SW.jpg**  
-118.17447 34.19252



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jun 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	14:50	73 °F	0-3 MPH	95 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10, plus foreman Daniel hand-weeding in northern-most pocket of DG-4A and nearby edge of DG-4 where SOSP-7 buffer was removed. Crew relocated to south end DG-4 areas due to coyote den.

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

Yellow warbler

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

**List of species observed while monitoring:**

Yellow warbler, house wren, bushtits, house finch, California scrub jay, common yellowthroat

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

**Log Entry**

0630 Gate at west side entrance appears to have been forced open from the outside, bending the cross bar. Locks are intact. Notified County.

0715 Re-checked SOSP-7 to confirm nest was inactive and removed buffer.

0805 While walking the hill on the east boundary of DG-4A, I saw an animal scamper down a berm. When i stepped closer to see what it was, a coyote started barking and howling. A crew member reported previously that something had moved back into the nearby den as the irrigation line had been chewed. Daniel pulled crew out of the area.

Coyote still howling at 0825.

0845 Crew now in south end, hand-pulling mostly poison hemlock in DG-4A.

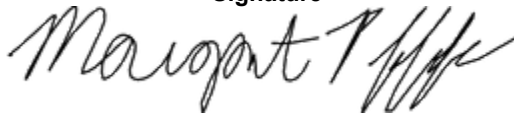
0850 Two crew members mistakenly walked down the left trail instead of right and came upon a car stuck in the reservoir. City, County, and police notified. I waited until ECORP monitor could get to the area to observe tow truck. Had crew stop work until I could rejoin them at 1100.

1135 Located YEWA-1, discovered by member of the public near where crew was working. Established 150ft buffer and had crew moved vegetation piles out of buffer. Will continue to monitor pair for signs of distress.

**Additional Comments**

N/A

**Signature**







**Weeding before DG-4A facing SE.jpg**  
-118.17277 34.19369



**Weeding in progress in DG-4A, facing E.jpg**  
-118.17725 34.18992





**Third area started, outside YEWA-1buffer, facing NE.jpg**  
-118.17718 34.18985



**After weeding.jpg**  
-118.17713 34.18984

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jun 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	100 %
End of Day	15:00	77 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 including foreman Daniel Holmes hand-pulling in DG-4 and DG-4A south of LBVI buffer. About ten small trees of heaven cut with axe but many larger trees still on-site and within nest buffer.

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

Yellow warbler

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

**List of species observed while monitoring:**

YEWA, SOSP, BUSH, COYE, CASJ, HUVI, OATI, BHGR, SPTO, ANHU, ALHU, HOOR, ACWO, western fence lizard, coastal whiptail, BLPH, NRWS, HOFI, BEWR, CAKI, RTHA

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

**Log Entry**

0630 monitoring crews at first location N of new YEWA buffer: hemlock, pepperweed, radish mixed among native primrose in openings around willows, oaks, mulefat.

0745 started seeing COYE pair bringing food to weedy location about 60 feet N of current work but birds are not concerned. Attempted to locate nest but risk damage too great. Entered as 60 ft buffer into Collector, crews diverted toward road.

1000 crews move to area N of this buffer and SW of LBVI buffer. This area is grassy with Rumex, Carduus, some Conium, etc. Some of crew had to do some additional cleanup at first site in afternoon. Dumpster pickup late again so some stockpiles were left on-site.

**Additional Comments**

N/A

**Signature**







**During\_hand-pulling\_facingW.jpg**  
-118.17694 34.19007



**After\_hand-pulling\_facingW.jpg**  
-118.17691 34.19006





**Before\_hand-pulling\_facingNE.jpg**  
-118.1771 34.19031



**Nearly\_done\_hand-pulling\_facingNE.jpg**  
-118.17706 34.19034

# **Devil's Gate Reservoir Restoration Project Third Quarter Compliance Report Activities Occurring Between July 2020 and September 2020**

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## **Submitted to:**

Dr. David Lin  
California Dept. of Fish & Wildlife/R5  
4665 Lampson Avenue, Suite C  
Los Alamitos, CA 90720

## **Prepared for:**

Mr. Tae Uk (Mark) Gim  
Los Angeles County Public Works  
Stormwater Engineering Division  
900 S. Fremont Avenue  
Alhambra, CA 91803

## **Prepared by:**

ECORP Consulting, Inc.  
2861 Pullman Street  
Santa Ana, CA 92705

**November 2020**



**ECORP Consulting, Inc.**  
ENVIRONMENTAL CONSULTANTS

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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 third quarter of 2020 (July through September). 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 eighth report (Quarterly Compliance Report Number 8) submitted in accordance with ITP Condition number 6.7. This report covers activities that were conducted at the Project site between July 1 and September 30, 2020.

## **2.0 COVERED ACTIVITIES**

### **2.1 Breeding Season Surveys**

Per Condition 7.3.4 of the ITP, "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 "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."

Twice-weekly focused surveys continued during the third quarter 2020 reporting period through the end of the least Bell's vireo breeding season per the ITP (September 15). A total of 22 focused breeding season least Bell's vireo surveys were conducted by Designated Biologists approved by CDFW and USFWS during the third quarter of 2020. Table 1 shows the twice-weekly focused least Bell's vireo survey dates and the Designated Biologists that surveyed on each date.



**Table 1. Focused Breeding Season Least Bell's Vireo Survey Dates and Personnel.**

<b>Date</b>	<b>Designated Biologist</b>
07/02/2020	Jill Coumoutso
07/06/2020	Jill Coumoutso
07/10/2020	Jill Coumoutso
07/13/2020	Jill Coumoutso
07/17/2020	Christine Tischer
07/20/2020	Shannan Shaffer
07/23/2020	Christine Tischer
07/27/2020	Jill Coumoutso
07/30/2020	Jill Coumoutso
08/04/2020	Jill Coumoutso
08/07/2020	Shannan Shaffer
08/10/2020	Shannan Shaffer
08/14/2020	Shannan Shaffer
08/17/2020	Shannan Shaffer
08/21/2020	Christine Tischer
08/24/2020	Shannan Shaffer
08/28/2020	Shannan Shaffer
08/31/2020	Shannan Shaffer
09/04/2020	Christine Tischer
09/07/2020	Shannan Shaffer
09/11/2020	Christine Tischer
09/15/2020	Christine Tischer

The least Bell's vireo family group (which was formed after a least Bell's vireo breeding pair had a successful nesting cycle within the onsite habitat restoration areas during the second quarter of 2020) continued to be observed during focused breeding season surveys conducted during the third quarter of 2020. The family group remained onsite throughout the breeding season and was last observed during the focused survey conducted on August 28, 2020, at which point it is believed that the group departed the site for the season.

No other observations of least Bell's vireo were documented elsewhere on the Project site during the focused breeding season surveys during the third quarter of 2020.

Weekly least Bell's vireo survey and monitoring memos through September 15, 2020 were prepared and submitted to USFWS per Conservation Measure 11b of the USFWS Informal Section 7 Consultation. The weekly memos for the third quarter of 2020 reporting period are compiled and included in Appendix A. The observation of the least Bell's vireo nest and subsequent family group was submitted to the California Natural Diversity Database (CNDDDB) on July 10, 2020. A copy of the CNDDDB submission is included as Appendix B in compliance with Condition 6.9 of the ITP.

## **2.2 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 Condition 2.10a of the Streambed Alteration Agreement "...the Permittee shall have the Designated Biologist on site daily when protected species may be present to ensure that no impacts occur to protected species that are not authorized."

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."

Daily monitoring of construction activities by a Designated Biologist occurred when ground-disturbing activities were taking place at the Project site during the nesting bird season. A Designated Biologist for least Bell's vireo was onsite daily through September 15<sup>th</sup> either as a construction monitor or conducting a focused least Bell's vireo survey (see Table 1). Upon completion of nesting bird season (September 15), biological monitoring of construction activities transitioned to twice-weekly site checks by Designated Biologists approved by the USFWS and CDFW for least Bell's vireo monitoring. Twice-weekly site checks continued through the end of the third quarter of 2020. Daily monitoring of restoration activities was ongoing during the third quarter. Table 2 shows Project working dates and the biological monitors that were present on each date.

<b>Table 2. Monitors Onsite During Work Days.</b>		
<b>Date</b>	<b>Construction Monitors</b>	<b>Restoration Monitors</b>
07/01/2020	Lauren Simpson*	Scott Werner
07/02/2020	Lauren Simpson*	Margie Pfeffer
07/03/2020	No Work - Holiday	No Work – Holiday
07/06/2020	Taylor Dee*	Margie Pfeffer
07/07/2020	Lauren Simpson*	Scott Werner
07/08/2020	Lauren Simpson*	Scott Werner
07/09/2020	Lauren Simpson*	Margie Pfeffer
07/10/2020	Taylor Dee*	Margie Pfeffer
07/13/2020	Adam Schroeder	Margie Pfeffer
07/14/2020	Jill Coumoutso*	Scott Werner
07/15/2020	Jill Coumoutso*	Scott Werner
07/16/2020	Lauren Simpson*	Margie Pfeffer
07/17/2020	Max Murray	Margie Pfeffer
07/20/2020	Lauren Simpson*	Margie Pfeffer
07/21/2020	Jill Coumoutso*	Scott Werner
07/22/2020	Jill Coumoutso*	Scott Werner
07/23/2020	Taylor Dee*	Margie Pfeffer
07/24/2020	Lauren Simpson*	Margie Pfeffer
07/27/2020	Carley Lancaster	Margie Pfeffer
07/28/2020	Jill Coumoutso*	Scott Werner
07/29/2020	Lauren Simpson*	Scott Werner
07/30/2020	Lauren Simpson*	Margie Pfeffer
07/31/2020	Lauren Simpson*, Jill Coumoutso*	Margie Pfeffer
08/03/2020	Jen Kendrick*	Margie Pfeffer
08/04/2020	Lauren Simpson*	Scott Werner
08/05/2020	Lauren Simpson*, Jen Kendrick*	Scott Werner
08/06/2020	Jen Kendrick*	Margie Pfeffer
08/07/2020	Jen Kendrick*	Scott Werner
08/10/2020	Jill Coumoutso*	Margie Pfeffer
08/11/2020	Jill Coumoutso*	Scott Werner
08/12/2020	Jen Kendrick*	Scott Werner
08/13/2020	Jen Kendrick*	Margie Pfeffer
08/14/2020	Jill Coumoutso*	Deven Kammerichs-Berke
08/17/2020	Lauren Simpson*	Margie Pfeffer
08/18/2020	Jill Coumoutso*	Scott Werner
08/19/2020	Jen Kendrick*	Amy Plesetz

**Table 2. Monitors Onsite During Work Days.**

Date	Construction Monitors	Restoration Monitors
08/20/2020	Jill Coumoutso*	Margie Pfeffer
08/21/2020	Jill Coumoutso*	Deven Kammerichs-Berke
08/24/2020	Jill Coumoutso*	Margie Pfeffer
08/25/2020	Jill Coumoutso*	Scott Werner
08/26/2020	Jen Kendrick*	Scott Werner
08/27/2020	Jen Kendrick*	Margie Pfeffer
08/28/2020	Jill Coumoutso*	Deven Kammerichs-Berke
08/31/2020	Jill Coumoutso*	Margie Pfeffer
09/01/2020	Jill Coumoutso*	Margie Pfeffer
09/02/2020	Shannan Shaffer*	Scott Werner
09/03/2020	Jill Coumoutso*	Margie Pfeffer
09/04/2020	Jill Coumoutso*	Deven Kammerichs-Berke
09/07/2020	No Work - Holiday	No Work - Holiday
09/08/2020	No Work – Red Flag Day	Scott Werner
09/09/2020	No Work – Red Flag Day	Scott Werner
09/10/2020	Shannan Shaffer*	Margie Pfeffer
09/11/2020	Shannan Shaffer*	Deven Kammerichs-Berke
09/14/2020	Jill Coumoutso*	No Work – Poor AQI Due to Nearby Wildfires
09/15/2020 <sup>β</sup>	Shannan Shaffer*	No Work – Poor AQI Due to Nearby Wildfires
09/16/2020		No Work – Poor AQI Due to Nearby Wildfires
09/17/2020		No Work – Poor AQI Due to Nearby Wildfires
09/18/2020	Shannan Shaffer*	Deven Kammerichs-Berke
09/21/2020	Shannan Shaffer*	Michael Walsh
09/22/2020		Scott Werner
09/23/2020		Scott Werner
09/24/2020		Amy Plesetz
09/25/2020	Christine Tischer*	Margie Pfeffer
09/28/2020	Christine Tischer*	Michael Walsh
09/29/2020		Scott Werner
09/30/2020		Scott Werner

\* = LBVI approved biologist

<sup>β</sup> = Last day of full-time construction monitoring during the nesting bird season. Hereafter monitoring switched to twice-weekly site checks by least Bell's vireo Designated Biologists.

## 2.3 Project Construction Activities

The following Project construction activities were conducted onsite during this reporting period:

- Project construction activities (including sediment removal hauling activities) continued from July 1, 2020 through September 30, 2020.
- Sediment Removal hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Small areas of emergent vegetation were cleared using skip loaders, backhoes, and bulldozers in preparation for hauling activities and expansion of hauling routes within the site boundaries. All areas were surveyed for nesting bird activity prior to removal and all vegetation removal was within the Project boundaries and monitored by the Designated Biologist on site.

- ESA fencing was removed and reinstalled along the west side of the Project boundary in areas where fencing had previously been adjusted to adhere to non-disturbance buffers around active bird nests. Small amounts of vegetation removal were conducted to place the ESA fence line in its intended location.

Construction monitoring logs from this quarter detailing daily activities are included in Appendix C.

## 2.4 Habitat Restoration Activities

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

- Restoration activities continued from July 1, 2020 through September 30, 2020.
- Low-growing non-native plants (including perennial pepperweed [*Lepidium latifolium*], black mustard [*Brassica nigra*], lamb's quarters [*Chenopodium album*], feathered geranium [*Dysphania botrys*], Jesuit's tea [*D. ambrosioides*], clammy goosefoot [*D. pumilio*], common passion flower [*Passiflora caerulea*], Rose evening primrose [*Oenothera rosea*], wild radish [*Raphanus sativus*], poison hemlock [*Conium maculatum*], curly dock [*Rumex crispus*], Himalayan blackberry [*Rubus armeniacus*], Virginia creeper vines [*Parthenocissus quinquefolia*], prickly lettuce [*Lactuca serriola*], eucalyptus [*Eucalyptus sp.*] sprouts, short podded mustard [*Hirschfeldia incana*], hairy fleabane [*Erigeron bonariensis*], sand plantain [*Plantago arenaria*], white horehound [*Marrubium vulgare*], tree tobacco [*Nicotiana glauca*], castor bean [*Ricinus communis*], tree of heaven [*Ailanthus altissima*], arundo [*Arundo donax*], French broom [*Genista monspessulana*], common fig [*Ficus carica*], totalote [*Centaurea melitensis*], smilograss [*Piptatherum miliaceum*], prickly sow thistle [*Sonchus asper*], bull thistle [*Cirsium vulgare*], and Italian thistle [*Carduus pycnocephalus*]) were removed from DG-4, DG-4A, DG-5, DG-SF-2, DG-7 onsite restoration areas by hand pulling and using small hand tools. Pulled plants were removed from restoration sites daily and placed into onsite dumpsters that were emptied regularly.
- Restoration activities occurred outside of the least Bell's vireo 300-foot buffer through July 17<sup>th</sup>, at which point (after the nest had fledged and concurrence with USFWS) restoration activities resumed within the buffer but were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restrictions on restoration work within the 300-foot buffer were fully lifted on September 21<sup>st</sup> after concurrence with USFWS and CDFW.

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

## 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 October 1, 2020 to December 31, 2020.



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

Per Condition 6.7 of the ITP, Table 3 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 3. 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
BIOLOGICAL RESOURCES							
MM BIO – 1: 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	A qualified biologist was present during all initial ground- or vegetation-disturbing construction related activities occurred during the 2020 third quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2020 third quarter reporting period. See Table 2 for details.
MM BIO – 2: 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	Due to the COVID-19 situation, the initial 2020 worker education training was provided for project personnel to view electronically prior to the start of Project activities on May 20, 2020. Personnel were required to certify under penalty of perjury that they had viewed and understood the training materials in their entirety. Additional trainings were provided on an as-needed basis to new project personnel afterwards during the 2020 third quarter reporting period.
MM BIO – 3: 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 (CNDDB) field data sheet and submitted to CDFW for inclusion into the CNDDB.	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 – 5/19/20,	Preconstruction surveys for sensitive species were conducted by qualified biologists on April 10, 13, and 14, 2020. Preconstruction least Bell’s vireo surveys were completed during the second quarter of 2020 and a preconstruction breeding season least Bell’s vireo survey report was submitted to LACPW and included as an appendix to the second quarter compliance report for 2020. No preconstruction surveys took place during the third quarter of 2020.
MM BIO – 4: LACFCD, in consultation with a qualified biologist, will employ bird exclusionary measures (e.g., mylar flagging) prior to the start of bird breeding season to prevent birds nesting within established	Final Plans and Specifications; Pre-	Pre-Sediment Removal; Sediment Removal;	Los Angeles County Flood Control District	Less than significant		3/15/19 - 4/14/19, 3/16/20 - 5/19/20	Preconstruction surveys for nesting birds were completed

Table 3. 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
boundaries of the project. 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. 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.	Sediment Removal; Sediment Removal; Reservoir Management	Reservoir Management					during the second quarter of 2020. Active bird nests within 500 feet of the Project site were documented and appropriate no-work buffers were established. Designated Biologists monitored Project construction and restoration activities daily during the nesting season during the third quarter 2020 reporting period.
<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: <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 1to 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> The qualified biologist shall document all bat survey, monitoring, and protection measure activities and prepare a summary report for LACFCD.	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		11/06/2018 – 11/08/2018	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 third quarter reporting period.
<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: <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</li></ul>	Reservoir Management  • Prepare Habitat Restoration Plan • Identify/Map Mitigation Sites • Install Plant Materials • Monitor Installation	Reservoir Management  • Identify Reference Sites • Conduct Qualitative and Quantitative Monitoring • Conduct Maintenance • Implement Adaptive Management Measures, if	Los Angeles County Flood Control District	Less than significant		11/19/18 - ongoing	Restoration activities were continued during the 2020 third quarter reporting period.

Table 3. 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
<p>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.</p> <ul style="list-style-type: none"><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.</li></ul> <p>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:</p> <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> <ul style="list-style-type: none"><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 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></ul>	<ul style="list-style-type: none"><li>• Install Irrigation, if Necessary</li><li>• Prepare As-Built Report</li><li>• Conduct Maintenance</li><li>• Prepare Monitoring Reports</li></ul>	<p>Necessary</p> <ul style="list-style-type: none"><li>• Prepare Monitoring Reports</li><li>• Prepare Annual Reports</li><li>• Achieve Mitigation Site Sign- Off</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</p>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p> <ul style="list-style-type: none"><li>• Conduct Tree Survey</li></ul>	<p>Pre-Sediment Removal; Sediment Removal; Reservoir Management</p> <ul style="list-style-type: none"><li>• Identify Reference Sites</li></ul>	<p>Los Angeles County Flood Control District</p>	<p>Less than significant</p>		<p>10/02/2018 – 10/05/2018</p>	<p>Preconstruction tree surveys were conducted prior to the initiation of project activities in the fourth quarter of 2018. No surveys related to this</p>



Table 3. 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
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.	<ul style="list-style-type: none"><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>	<ul style="list-style-type: none"><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>					measure were required during the 2020 third quarter reporting period. Restoration activities were continued during the 2020 third 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><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 to show</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 third quarter reporting period.

Table 3. 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
<p>that the sites contain not less than a 1:1 replacement of riparian habitats, sensitive natural communities, and federally protected wetlands has been achieved.</p> <ul style="list-style-type: none"> <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 Reports – July through September 2020

Appendix B – CNDDDB Submission of Least Bell’s Vireo Observations

Appendix C – Construction Monitoring Logs

Appendix D – Habitat Restoration Monitoring Logs

Least Bell's Vireo Breeding Season Survey Reports – July through September 2020



# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: July 7, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of June 29 – July 3, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of June 29, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of June 29, 2020 are included as attachments.

## **Project Activities – Week of June 29, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of June 29, 2020. No work occurred on Friday July 3, 2020, due to the Independence Day holiday. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of June 29, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. No restoration activities occurred within the 300-foot buffer around the least Bell's vireo nest, which was enforced by the monitoring Designated Biologist.

## **Least Bell's Vireo Surveys and Noise Monitoring – Week of June 29, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of June 29, 2020. The two surveys, which occurred on June 29 and July 2, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of June 29, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
06/29/20	Shannan Shaffer
07/02/20	Jill Coumoutso

The least Bell's vireos were documented during surveys conducted during the week of June 29, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. During the survey conducted on June 29, 2020, the least Bell's vireos were not observed and the male was not heard singing. During the survey conducted on July 2, 2020, the Designated Biologist observed the male singing briefly within the previously documented territory and feeding at least one fledgling. The female was not observed during surveys. The reduced activity observed during surveys may indicate that the pair has completed

breeding activities for the season. The 300-foot buffer will remain in place around the nesting location until the fledglings are independent of the pair and no additional signs of nesting are observed by the Designated Biologist.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of June 29, 2020.

#### *Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of June 29, 2020 occurred on July 1, 2020. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 6:56 am and 3:04 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBa. All hourly Leq measurements were below 60 dBa during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBa were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

- Attachment A – Location of Least Bell's Vireo Nest and Territory
- Attachment B – Noise Monitoring Graphs

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

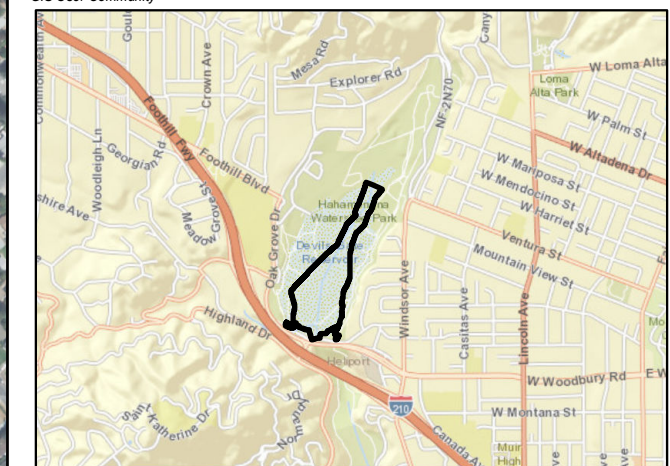




**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**June 29 - July 3, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

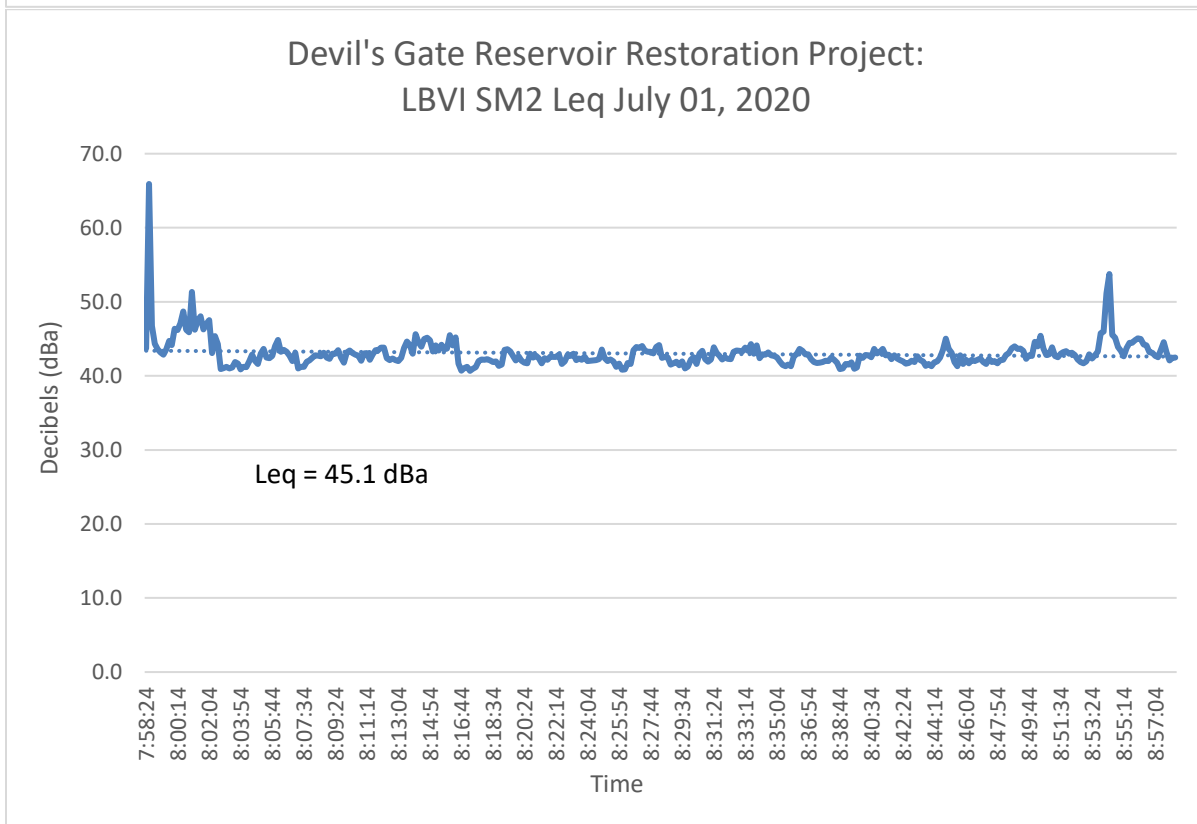
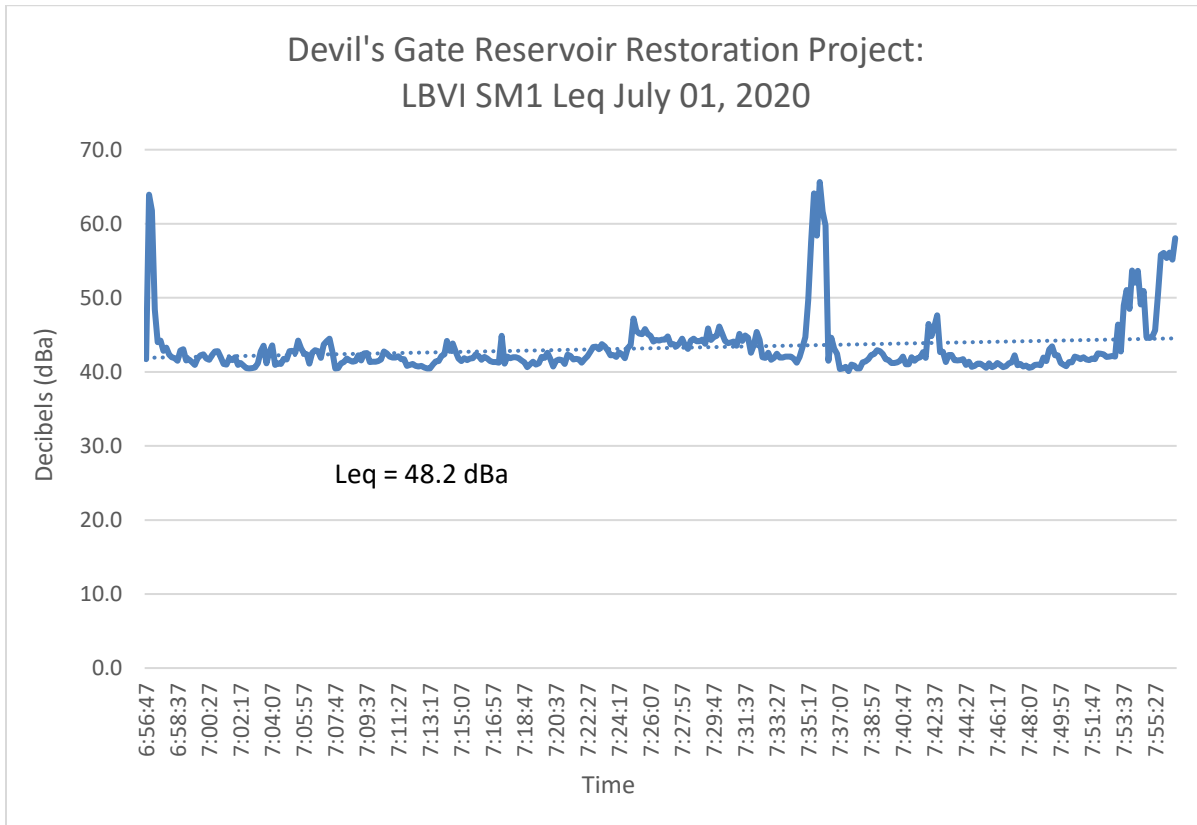


**ECORP Consulting, Inc.**  
 ENVIRONMENTAL CONSULTANTS

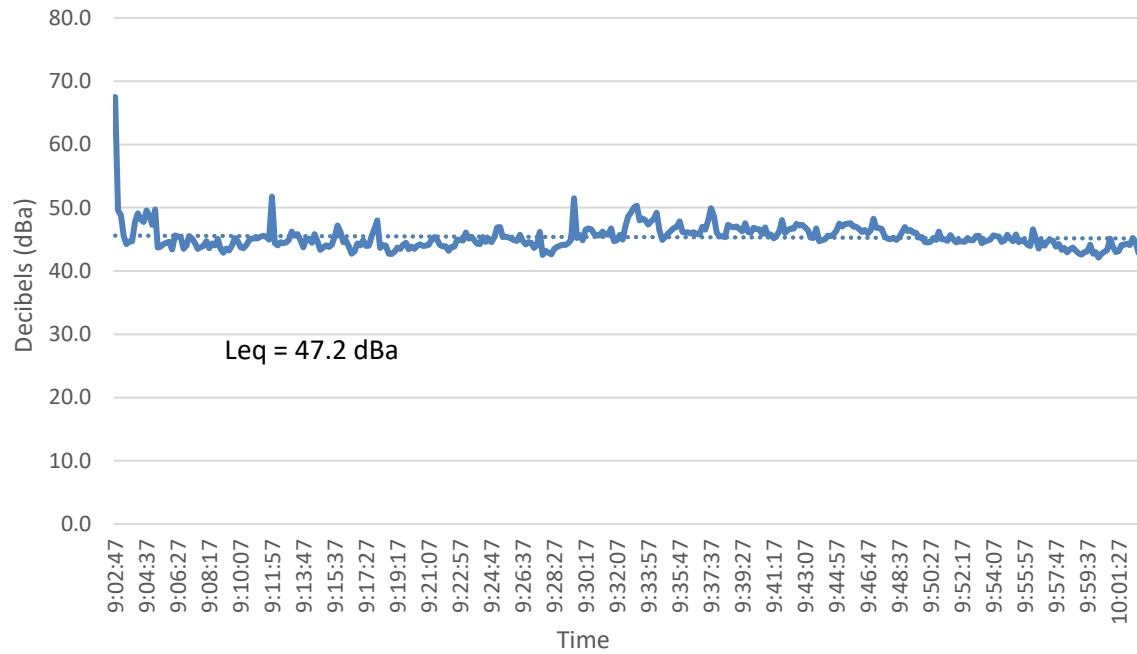


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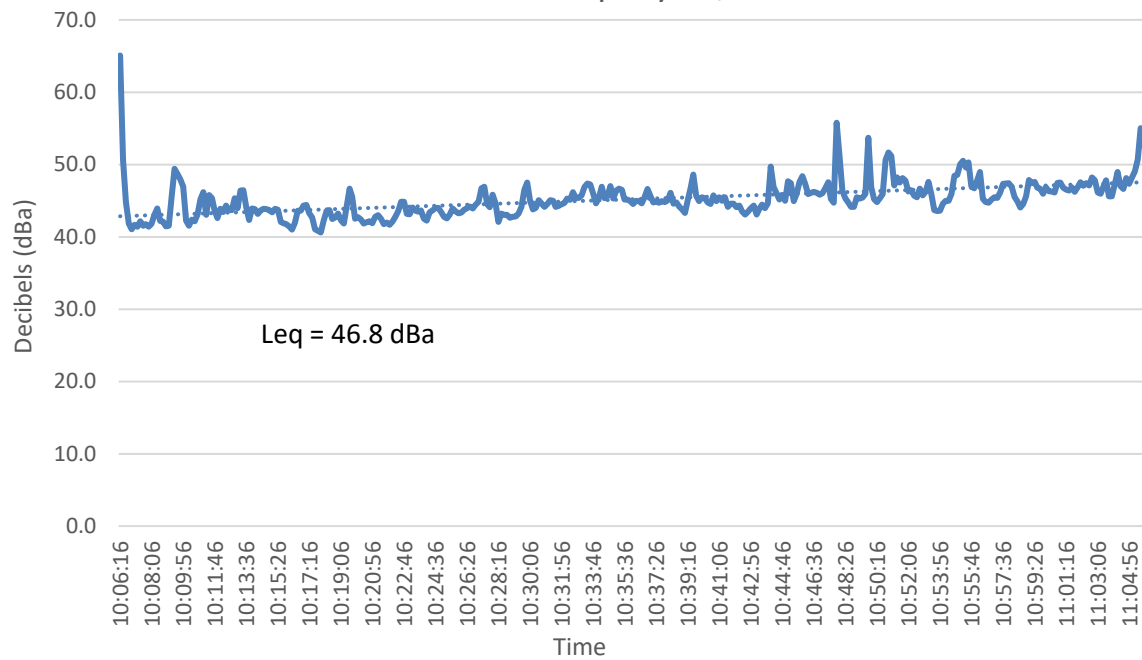




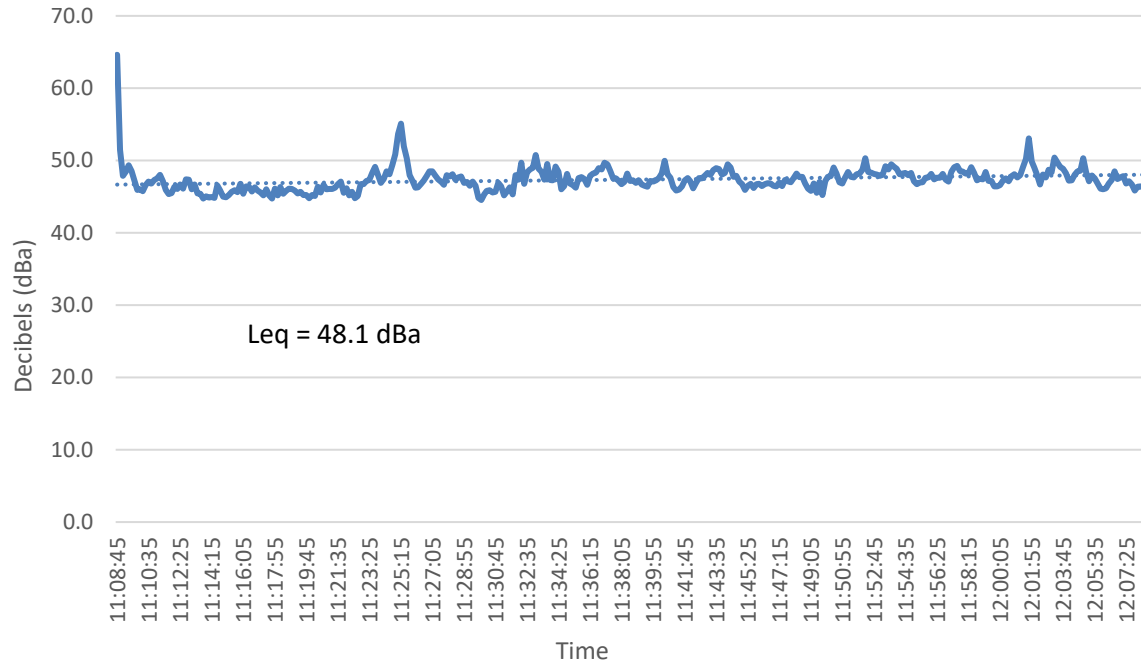
Devil's Gate Reservoir Restoration Project:  
LBVI SM3 Leq July 01, 2020



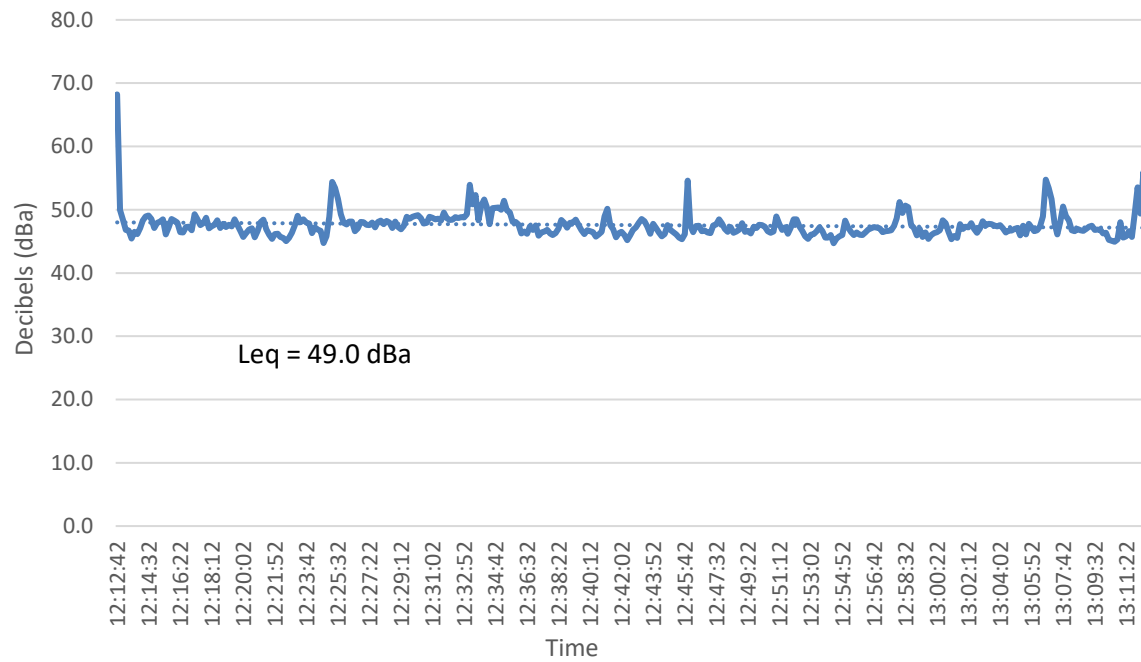
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Devil's Gate Reservoir Restoration Project:  
LBVI SM5 Leq July 01, 2020

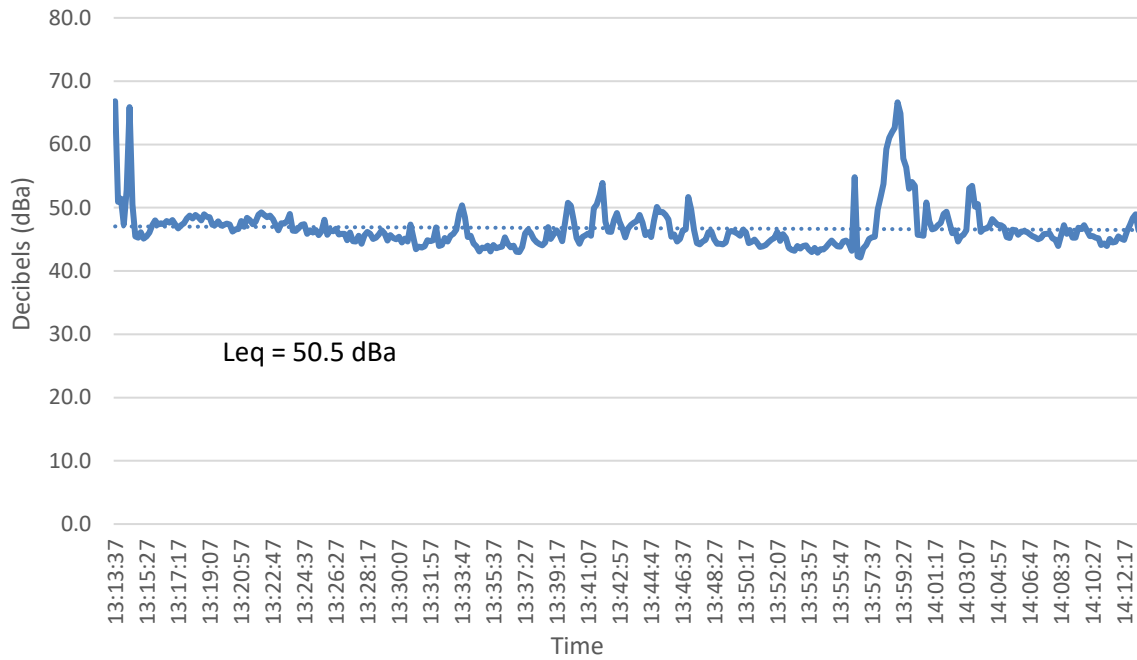


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LBVI SM6 Leq July 01, 2020

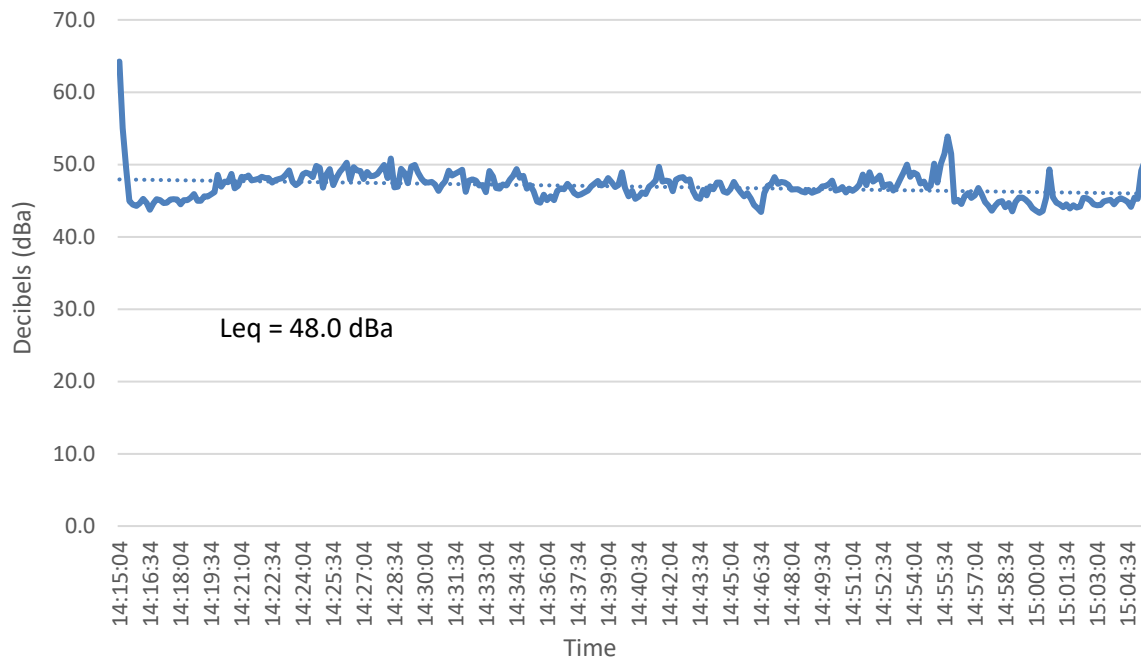




Devil's Gate Reservoir Restoration Project:  
LBVI SM7 Leq July 01, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM8 Leq July 01, 2020



# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: July 20, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of July 6 – July 10, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of July 6, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of July 6, 2020 are included as attachments.

## **Project Activities – Week of July 6, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of July 6, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of July 6, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. No restoration activities occurred within the 300-foot buffer around the least Bell's vireo nest, which was enforced by the monitoring Designated Biologist.

## **Least Bell's Vireo Surveys and Noise Monitoring – Week of July 6, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of July 6, 2020. The two surveys, which occurred on July 6 and July 10, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of July 6, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
07/06/20	Jill Coumoutso
07/10/20	Jill Coumoutso

The least Bell's vireos were documented during surveys conducted during the week of July 6, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. During the survey conducted on July 6, 2020, the Designated Biologist observed the male singing consistently within the previously documented territory and feeding at least one fledgling. The female was observed briefly during this survey. During the survey conducted on July 10, 2020 the male was observed singing and feeding at least two fledglings. The female was not observed during this survey. On July 9, 2020, the least Bell's vireo Designated Biologist on-site for construction monitoring observed the least Bell's vireo family group

approximately 700 feet northeast of the nesting location. The male was observed singing consistently and being followed by four other vireo individuals exhibiting begging behavior. At least three were fledglings. It is possible that the fourth individual was the female and not a fledgling but it could not be confirmed by the Designated Biologist while construction monitoring. The family group continued moving to the northwest. The family group continues to be present at the Project site during surveys and the fledglings, while mobile, remain dependent on the adult pair. No additional signs of nesting have been observed. These observations may indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities will resume within the 300-foot buffer. Restoration activities will be limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities will begin at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of July 6, 2020.

#### *Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of July 6, 2020 occurred on July 10, 2020. A noise monitoring station was established no less than 100 feet from the active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 6:56 am and 3:19 pm. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBa. All hourly Leq measurements were below 60 dBa during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBa were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBa have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Noise monitoring occurred during the week of July 13, 2020 (the results of which will be presented in the subsequent memo). However, per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities will be stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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).



Ms. Christine Medak  
July 20, 2020  
Page 4 of 4

A handwritten signature in blue ink, appearing to read 'Lauren Simpson', with a long horizontal stroke extending to the right.

Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

Attachment B – Noise Monitoring Graphs

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

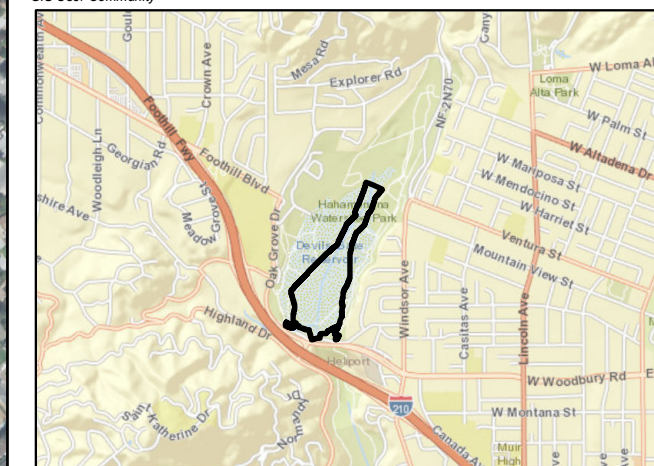




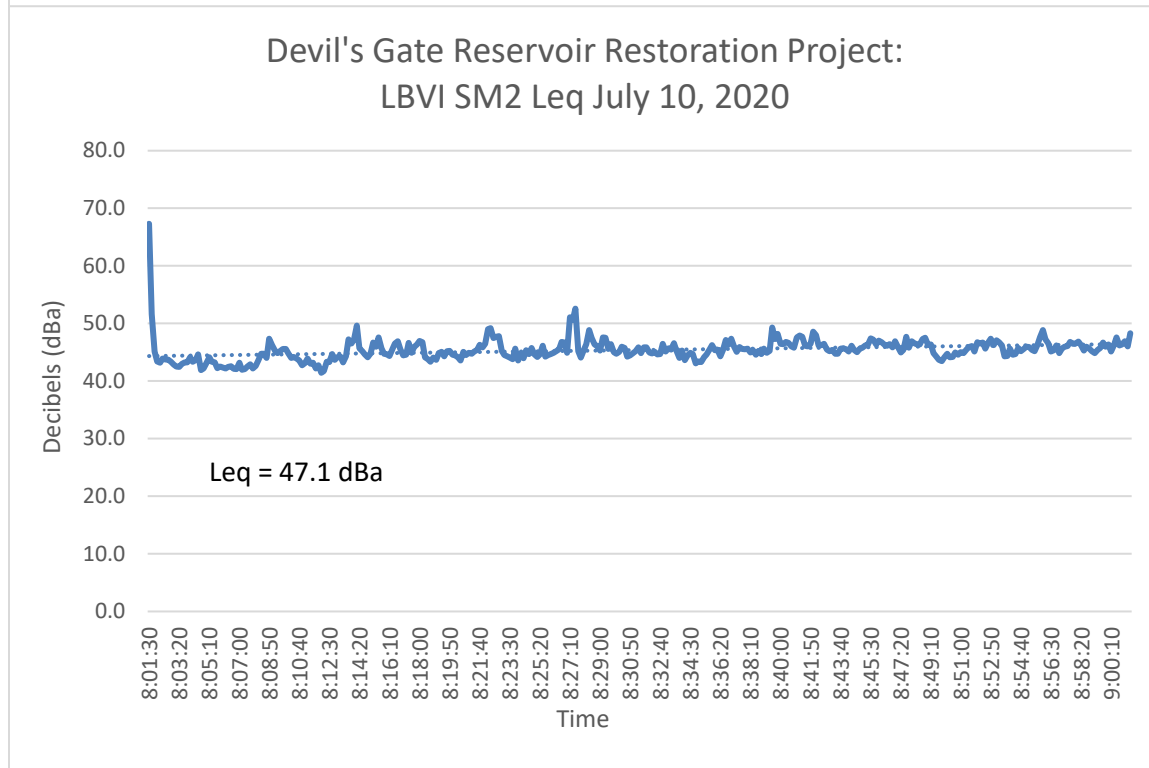
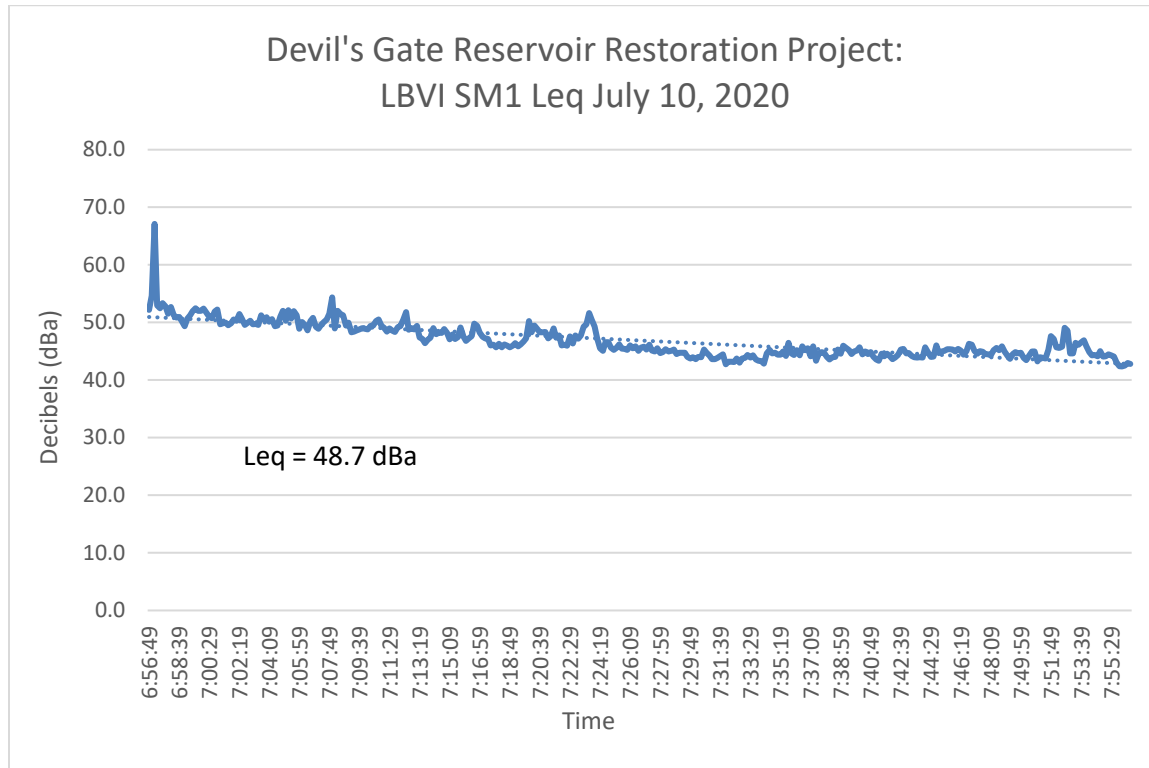
**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**July 6-10, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

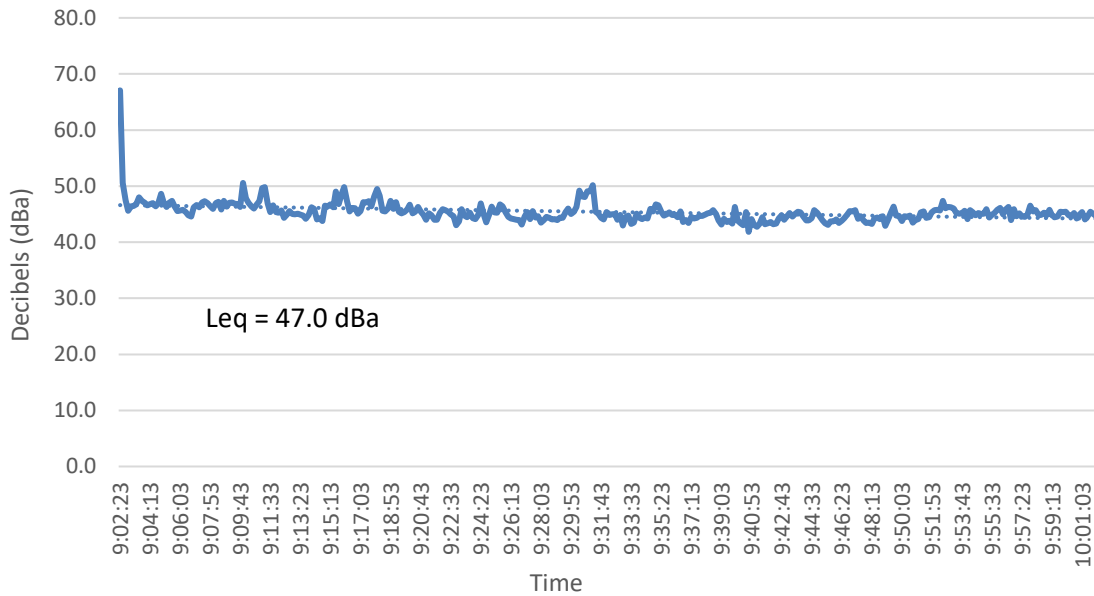




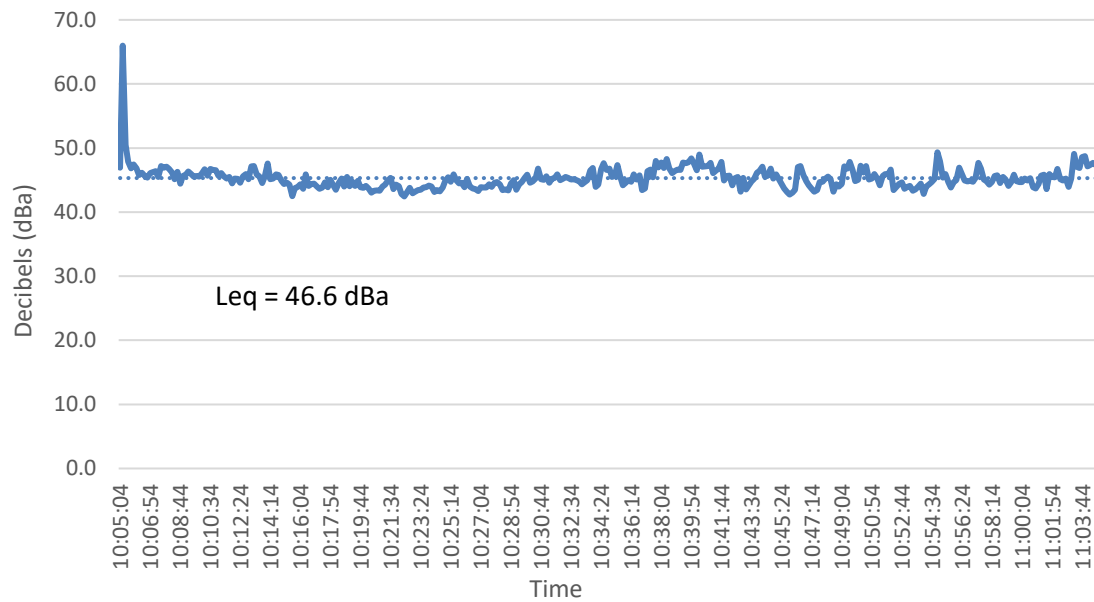




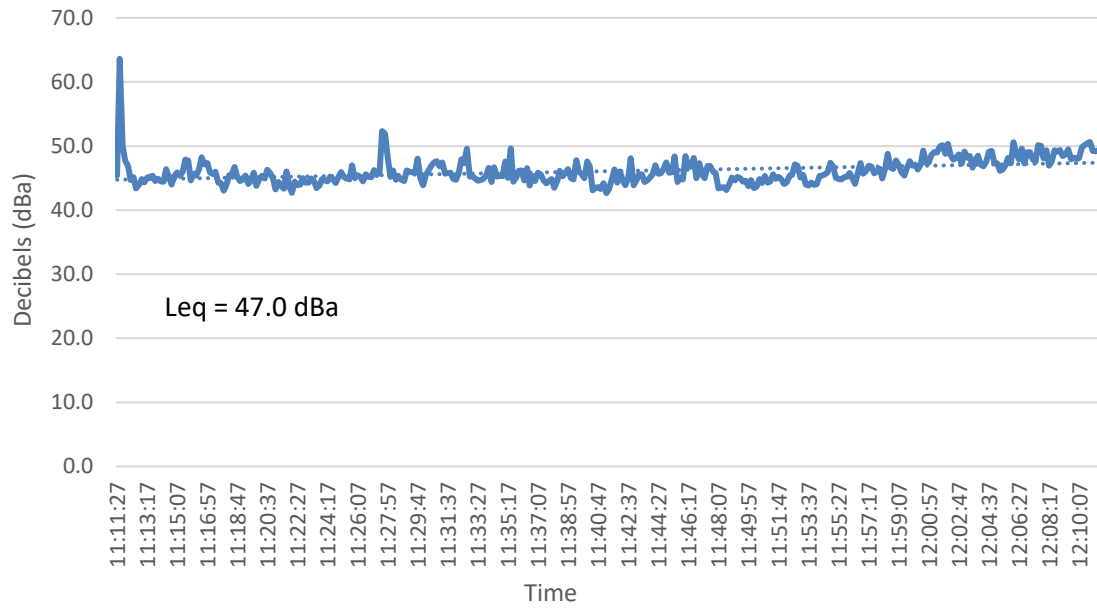
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LBVI SM3 Leq July 10, 2020



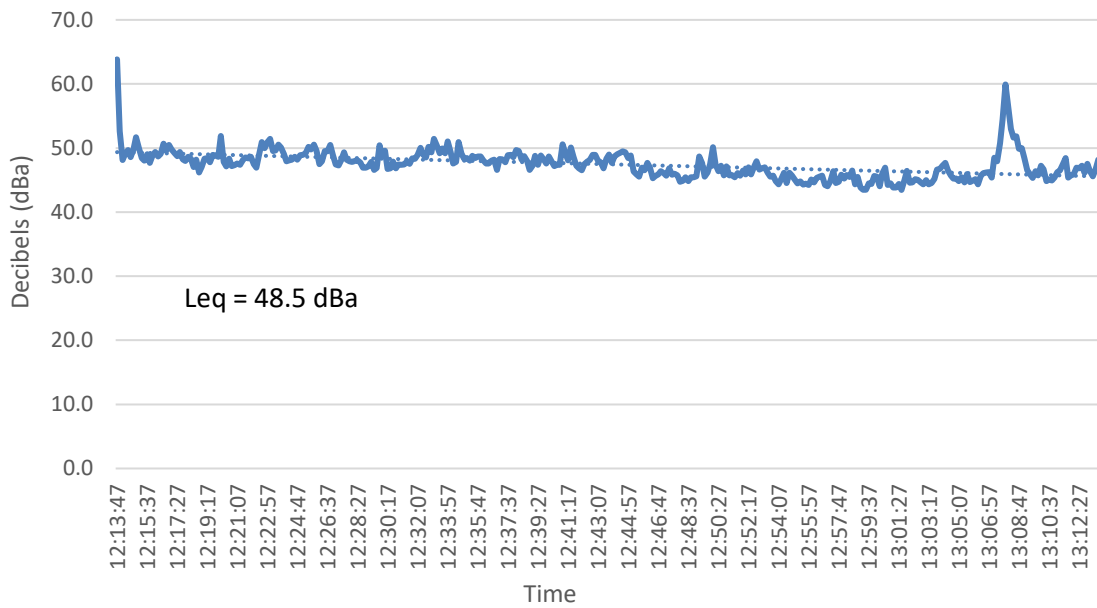
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LBVI SM4 Leq July 10, 2020



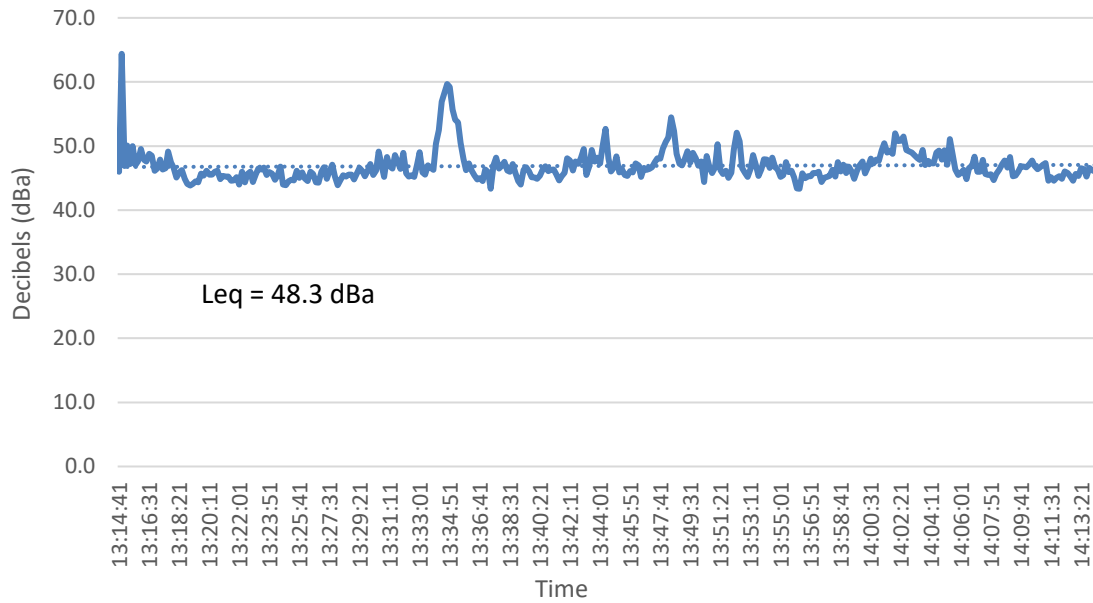
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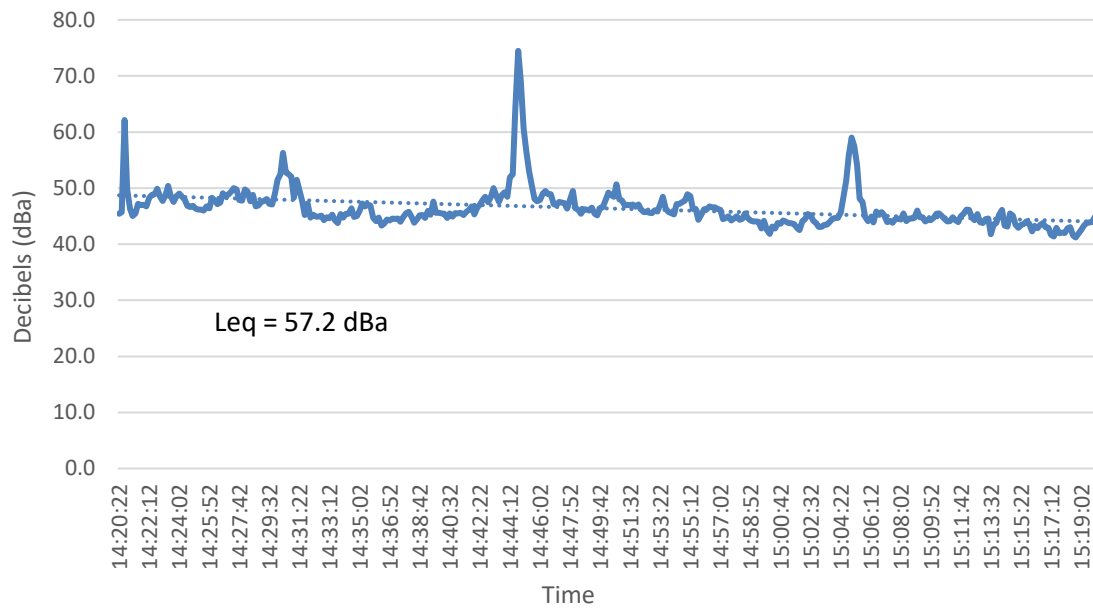
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LBVI SM6 Leq July 10, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM7 Leq July 10, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM8 Leq July 10, 2020



# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: July 22, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of July 13 – July 17, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results, and noise monitoring results for the week of July 13, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site and noise monitoring graphs for the week of July 13, 2020 are included as attachments.



## **Project Activities – Week of July 13, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of July 13, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of July 13, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities began at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

## **Least Bell's Vireo Surveys and Noise Monitoring – Week of July 13, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of July 13, 2020. The two surveys, which occurred on July 13 and July 17, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of July 13, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
07/13/20	Jill Coumoutso
07/17/20	Christine Tischer

The least Bell's vireos were documented during surveys conducted during the week of July 13, 2020. The location of the least Bell's vireo nest and territory are depicted in Attachment A. During the survey conducted on July 13, 2020, the Designated Biologist observed the male singing within the previously documented territory and feeding at least one begging juvenile. During the survey conducted on July 17,

2020 the male was observed singing within and north of the territory and feeding at least two juveniles. One quiet vireo individual was observed in the restoration area south of the equestrian stables. The family group continues to be present at the Project site during surveys and the juveniles, while mobile, remain dependent on the adult pair. No additional signs of nesting have been observed. These observations may indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of July 13, 2020.

#### *Least Bell's Vireo Noise Monitoring*

Noise monitoring for the week of July 13, 2020 occurred on July 14, 2020. A noise monitoring station was established no less than 100 feet from the previously active least Bell's vireo nest under the direction of the least Bell's vireo Designated Biologist. Noise monitoring for Project activities occurred between 6:58 am and 3:11 pm. However, due to technical difficulties with the noise monitoring equipment, noise monitoring readings were not recorded between 12:02 pm and 1:10 pm. The noise monitor did take notes of all atypical noise events during the period when the equipment was not recording and did not record any atypical construction-related noise during this time. The monitor ensured that all construction hourly noise levels (Leq) remained below 60 dBA. All hourly Leq measurements were below 60 dBA during the noise monitoring (see Attachment B). Instances where noise levels momentarily exceeded 60 dBA were attributed to the movements of the noise monitor in close-proximity to the noise meter at the start of each hour to program the meter for hourly measurements and to low-flying helicopters that passed above the site regularly throughout the day due to the close proximity of a helicopter landing pad southeast of the Project site.

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBA have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities will be stopped from this point forward until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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).

Ms. Christine Medak  
July 22, 2020  
Page 4 of 4

A handwritten signature in blue ink, appearing to read 'Lauren Simpson', with a long horizontal flourish extending to the right.

Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

Attachment B – Noise Monitoring Graphs

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

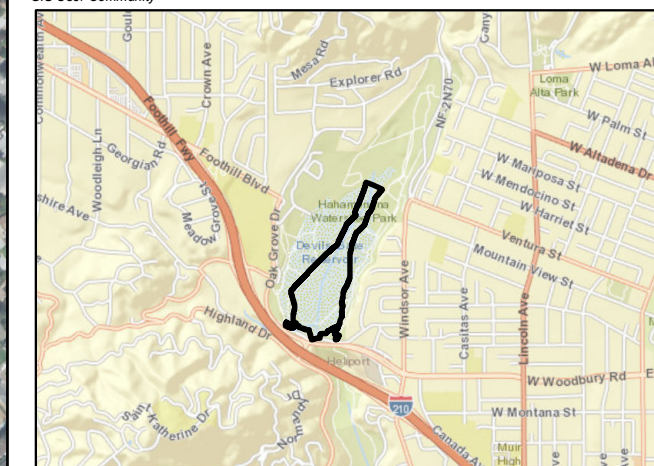




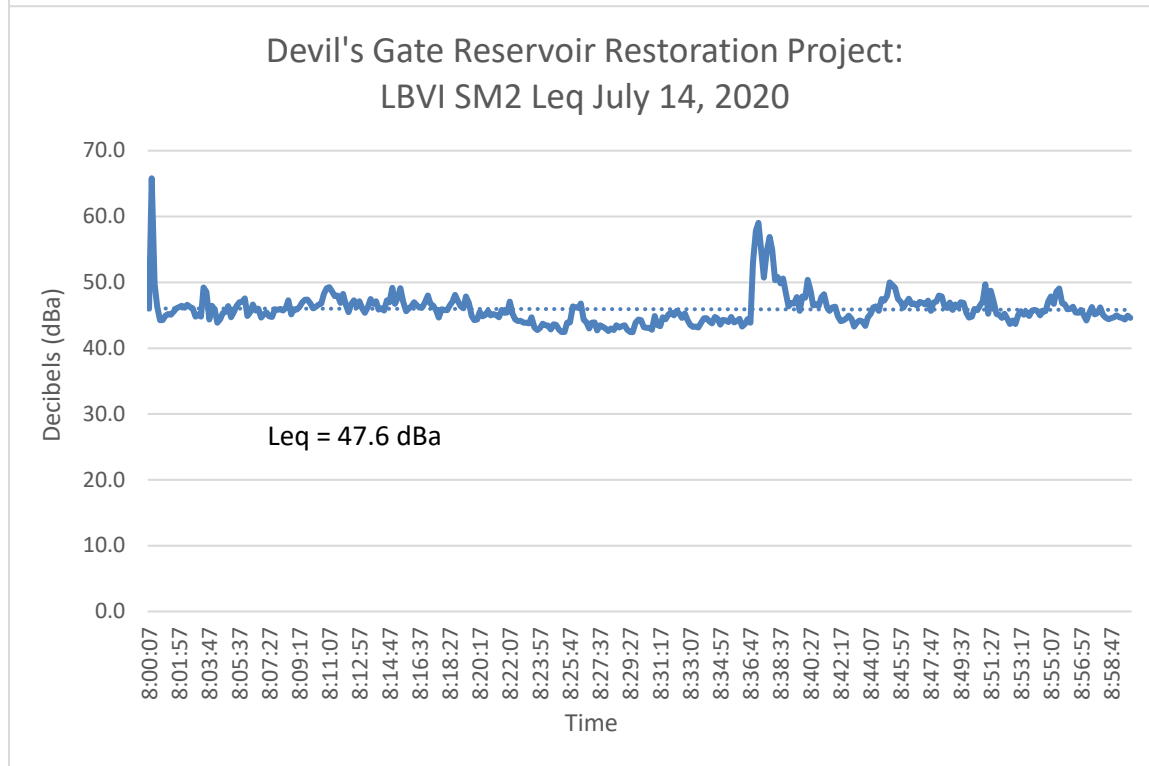
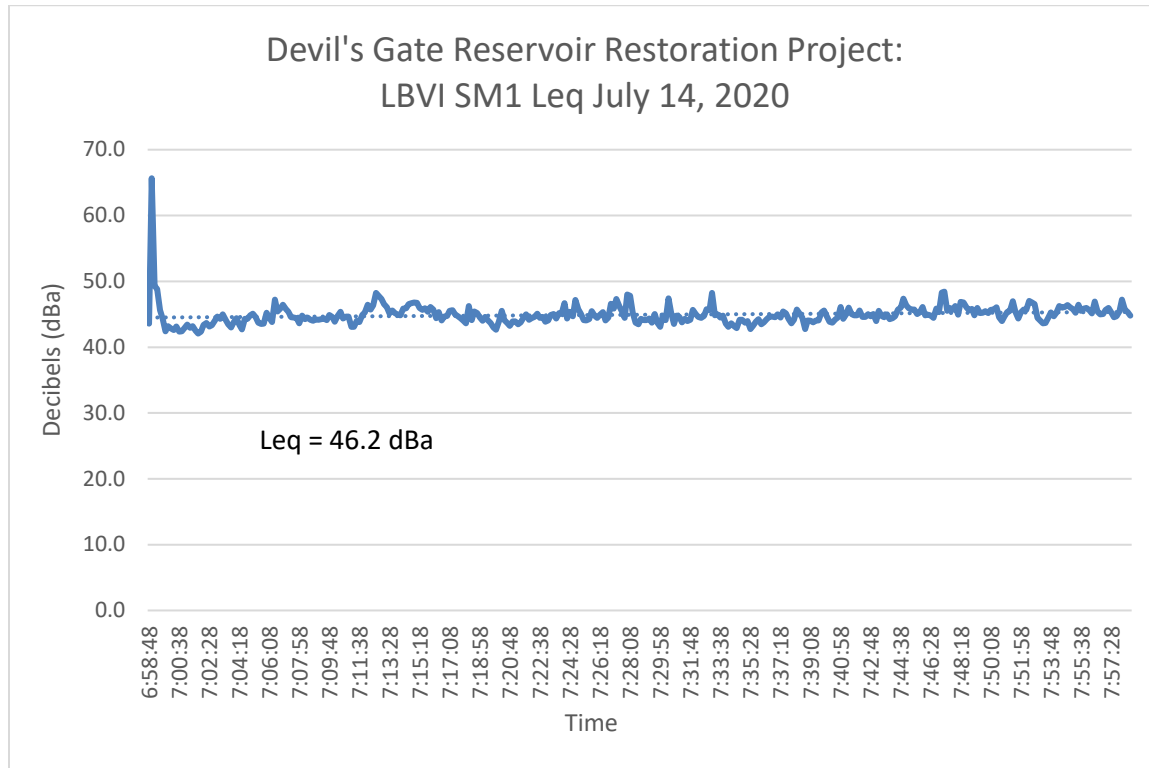
**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**July 13-17, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

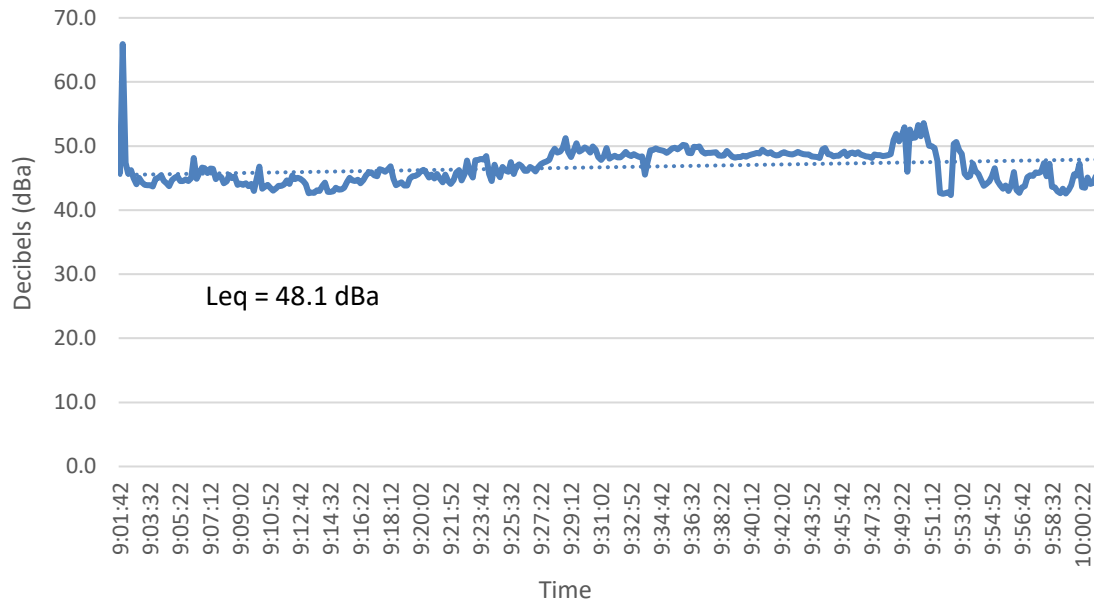
Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



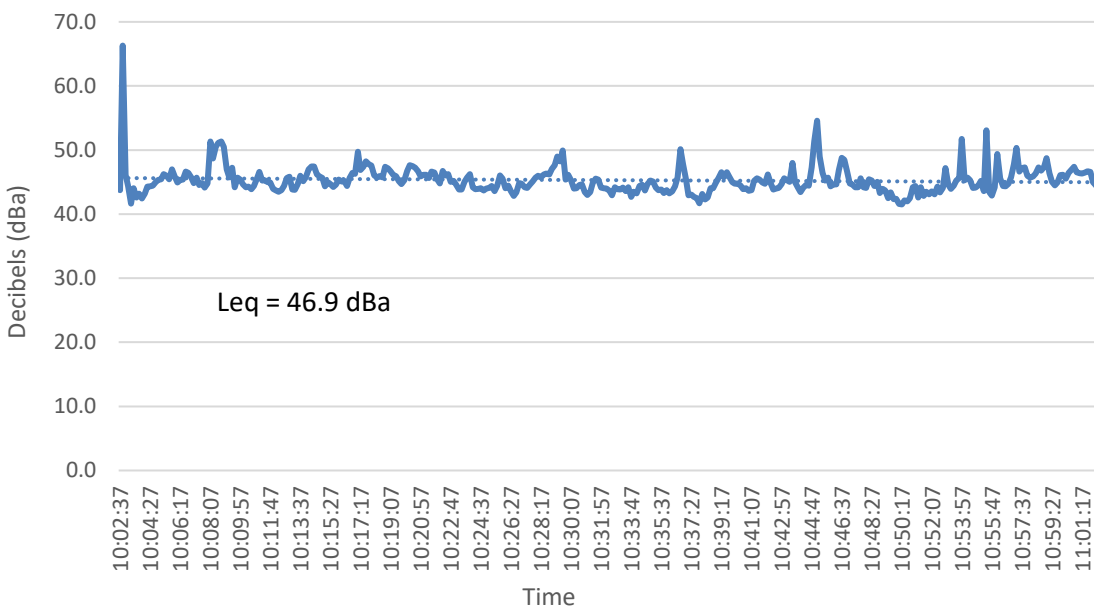




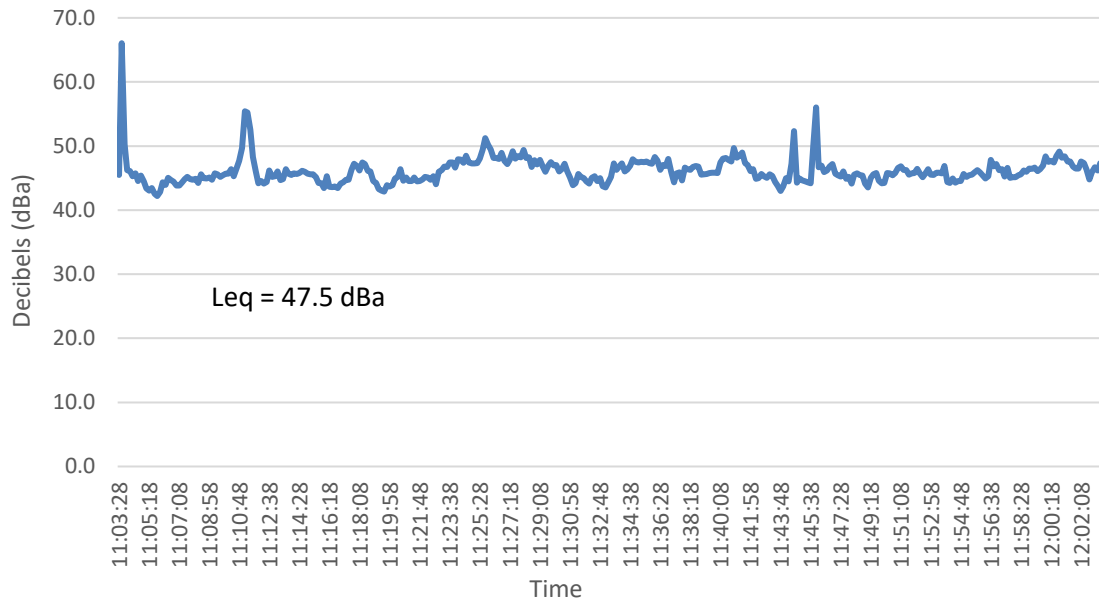
Devil's Gate Reservoir Restoration Project:  
LBVI SM3 Leq July 14, 2020



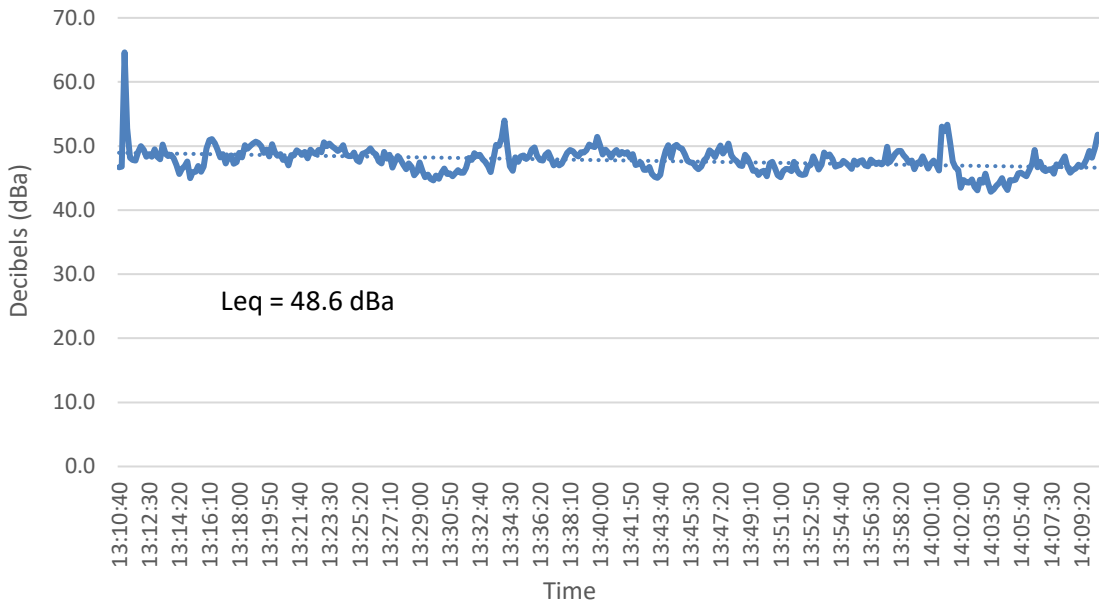
Devil's Gate Reservoir Restoration Project:  
LBVI SM4 Leq July 14, 2020



Devil's Gate Reservoir Restoration Project:  
LBVI SM5 Leq July 14, 2020

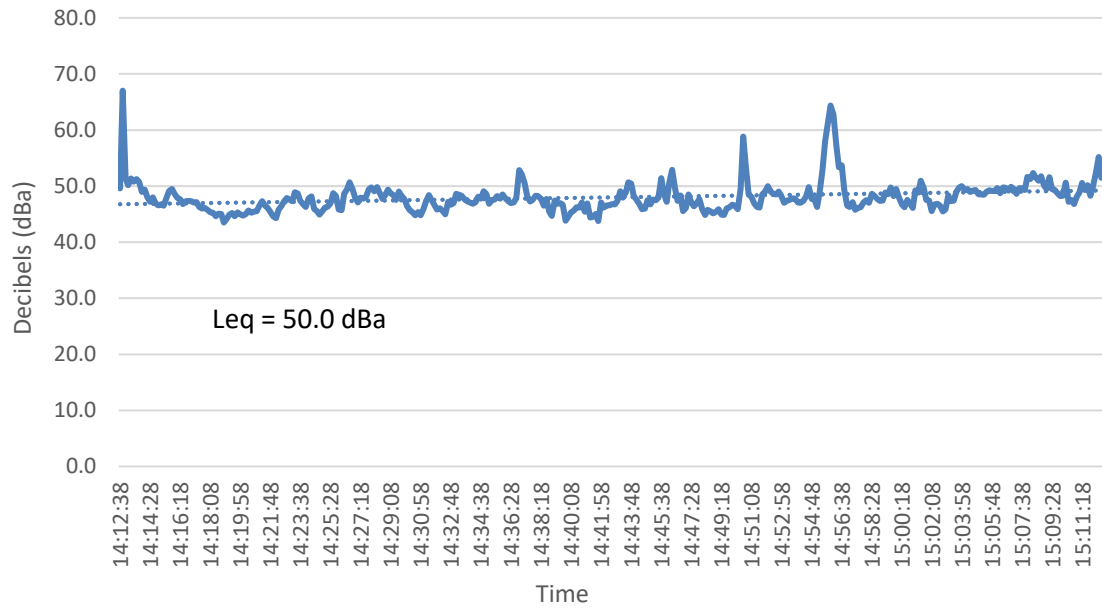


Devil's Gate Reservoir Restoration Project:  
LBVI SM7 Leq July 14, 2020





Devil's Gate Reservoir Restoration Project:  
LBVI SM8 Leq July 14, 2020



# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: August 3, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of July 20 – July 24, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of July 20, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

## **Project Activities – Week of July 20, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of July 20, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of July 20, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of July 20, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities began at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

## **Least Bell's Vireo Surveys – Week of July 20, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of July 20, 2020. The two surveys, which occurred on July 20 and July 23, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of July 20, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
07/20/20	Shannan Shaffer
07/23/20	Christine Tischer

The least Bell's vireos were documented during surveys conducted during the week of July 20, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey conducted on July 20, 2020, the Designated Biologist observed the male singing briefly at the western end of the previously documented territory. During the survey conducted on July 23, 2020, a

singing male was observed within the restoration area approximately 1,200 feet north of the territory. It is possible that the male observed was a migrant individual and not part of the family group. The family group was not observed during focused surveys conducted during the week of July 20, 2020. However, a begging juvenile was observed near the territory by the construction monitor on July 21, 2020. This observation and other observations of least Bell's vireo outside of the territory are depicted in Attachment A. The family group continues to be present at the Project site during surveys and the juveniles, while mobile, remain dependent on the adult pair. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of July 20, 2020.

#### *Least Bell's Vireo Noise Monitoring*

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBA have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory



## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory



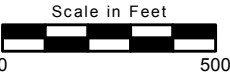
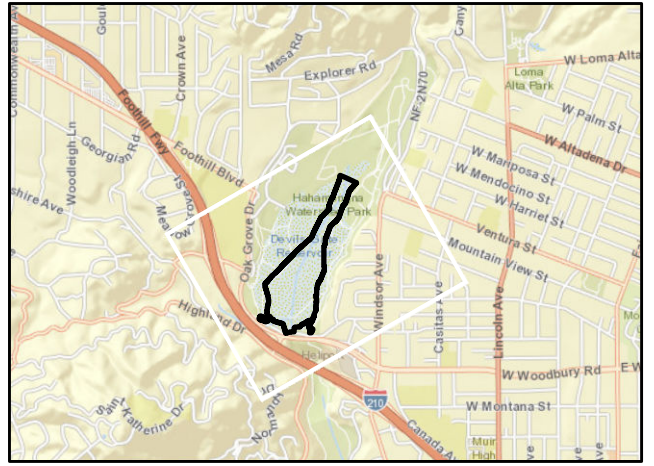
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**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**July 20-24, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Observation
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: August 7, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of July 27 – July 31, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of July 27, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

## **Project Activities – Week of July 27, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of July 27, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of July 27, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of July 27, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

## **Least Bell's Vireo Surveys – Week of July 27, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of July 27, 2020. The two surveys, which occurred on July 27 and July 30, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of July 27, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
07/27/20	Jill Coumoutso
07/30/20	Jill Coumoutso

The least Bell's vireos were documented during surveys conducted during the week of July 27, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey conducted on July 27, 2020, the Designated Biologist observed the male singing briefly at the western end of the previously documented territory. During the survey conducted on July 31, 2020, the



Designated Biologist observed the male singing briefly at the eastern end of the previously documented territory. The female and juveniles were not observed during the surveys conducted during the week of July 27, 2020. Although the family group was not observed during surveys conducted during the week of July 27, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of July 27, 2020.

#### *Least Bell's Vireo Noise Monitoring*

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBA have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory



Location: N:\2014\2014-003\008 Devils Gate Mitigation Plan\MAPS\os\_and\_mitigation\_monitoring\monitoring\2020\DG\_LBVL\_monitoring\_20200729.mxd (MAG)-5vager 7/29/2020

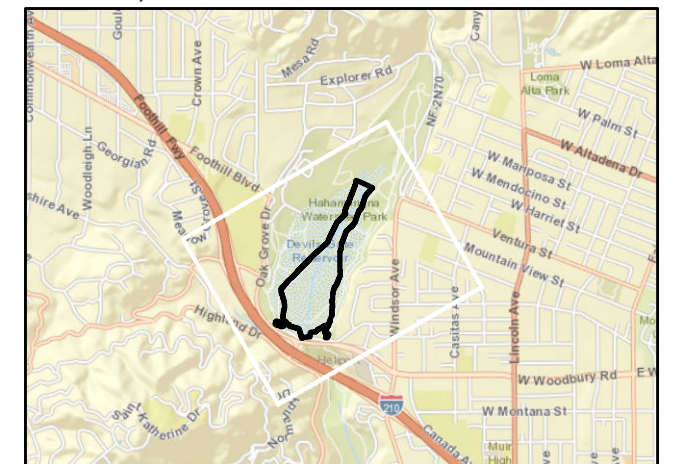


**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**July 27-31, 2020**

**Map Features**

- Initial Project Footprint
- Initial Project Footprint 500' Buffer
- Least Bell's Vireo Observation
- Least Bell's Vireo Nest
- Least Bell's Vireo Territory
- Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: August 11, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 3 – August 7, 2020**

---

This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 3, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.



## **Project Activities – Week of August 3, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of August 3, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of August 3, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 3, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

## **Least Bell's Vireo Surveys – Week of August 3, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of August 3, 2020. The two surveys, which occurred on August 4 and August 7, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of August 3, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
08/04/20	Jill Coumoutso
08/07/20	Shannan Shaffer

The least Bell's vireos were documented during surveys conducted during the week of August 3, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey conducted on August 4, 2020, the Designated Biologist observed the male singing at the western end of the previously documented territory. During the survey conducted on August 7, 2020, the least Bell's

vireos were not observed and the male was not heard singing. During restoration monitoring a single least Bell's vireo male was observed by the restoration monitor singing within the previously documented territory on August 5 and August 7, 2020. The observation on August 7 was of a foraging least Bell's vireo singing a broken unpolished song, which indicates that it may be a juvenile of the family group. The female was not observed during the surveys conducted during the week of August 3, 2020. Although the complete family group was not observed during surveys conducted during the week of August 3, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of August 3, 2020.

#### *Least Bell's Vireo Noise Monitoring*

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBA have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory



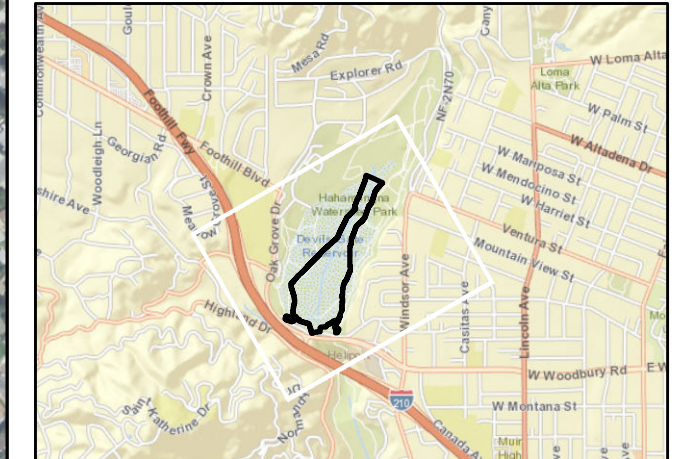
Location: N:\2014\2014-003\008 Devils Gate Mitigation Plan\MAPS\os\_and\_mitigation\_monitoring\monitoring\2020\DG\_LBVL\_monitoring\_20200729.mxd (MAG)-5wager 7/29/2020



**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**August 3-7 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Observation
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: August 19, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 10 – August 14, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 10, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

## **Project Activities – Week of August 10, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of August 10, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of August 10, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 10, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

## **Least Bell's Vireo Surveys – Week of August 10, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of August 10, 2020. The two surveys, which occurred on August 10 and August 14, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of August 10, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
08/10/20	Shannan Shaffer
08/14/20	Shannan Shaffer

The least Bell's vireos were not documented during focused surveys conducted during the week of August 10, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. While the least Bell's vireos were not detected during focused surveys, observations of least Bell's vireo were made by restoration monitors during restoration monitoring occurring the week of August 10, 2020.

During restoration monitoring, a single least Bell's vireo male was heard by the restoration monitor singing within the previously documented territory on August 11, 12, and 14, 2020. Although the complete family group was not observed during surveys conducted during the week of August 10, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of August 10, 2020.

#### *Least Bell's Vireo Noise Monitoring*

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBa have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory



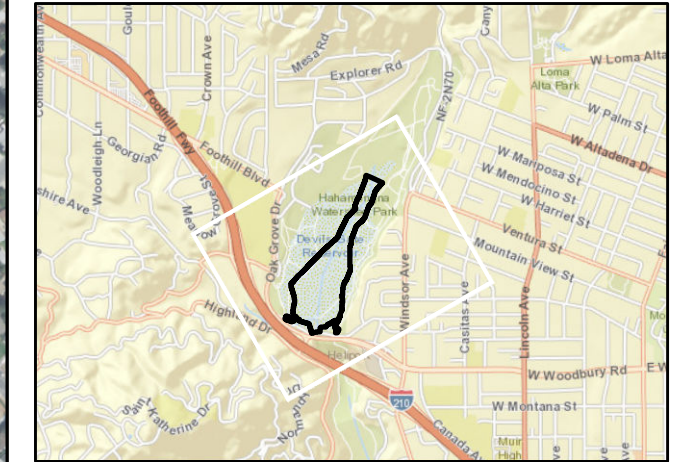
Location: N:\2014\2014-003\008 Devils Gate Mitigation Plan\MAPS\os\_and\_mitigation\_monitoring\monitoring\2020\DG\_LBVL\_monitoring\_20200729.mxd (MAG)-5vager 7/29/2020



**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**August 10-14, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Observation
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



**ECORP Consulting, Inc.**  
ENVIRONMENTAL CONSULTANTS





# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: August 27, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 17 – August 21, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 17, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

## **Project Activities – Week of August 17, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of August 17, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of August 17, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 17, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

## **Least Bell's Vireo Surveys – Week of August 17, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of August 17, 2020. The two surveys, which occurred on August 17 and August 21, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of August 17, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
08/17/20	Shannan Shaffer
08/21/20	Christine Tischer

The least Bell's vireos were documented during focused surveys conducted during the week of August 17, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. A. During the survey conducted on August 17, 2020, the Designated Biologist observed the male singing at the northern end of the previously documented territory. During the survey conducted on August 21,

2020, the Designated Biologist observed the male singing at the center of the previously documented territory. On August 17 and 20, 2020, the least Bell's vireo Designated Biologist on-site for construction monitoring observed a least Bell's vireo male singing northeast of the nesting location. During restoration monitoring on August 21, 2020 a single least Bell's vireo male was observed by the restoration monitor singing within the previously documented territory. The female was not observed during the surveys conducted during the week of August 17, 2020. Although the complete family group was not observed during surveys conducted during the week of August 17, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of August 17, 2020.

#### *Least Bell's Vireo Noise Monitoring*

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBA have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory



## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory



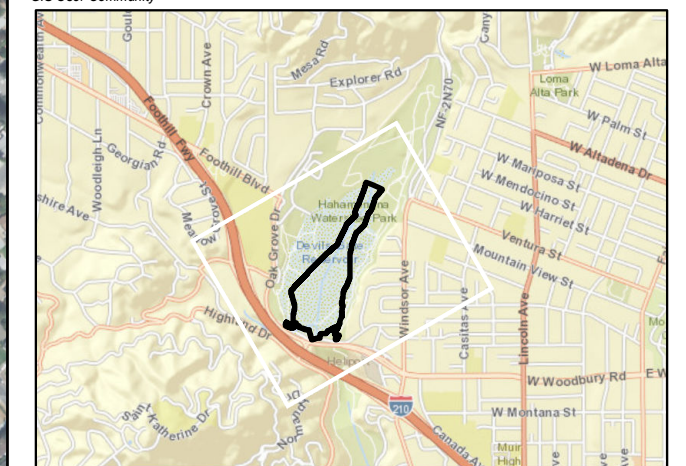
Location: N:\2014\2014-003.008 Devils Gate Mitigation Plan\MapDocs\_and\_mitigation\_monitoring\monitoring\2020\DC\_LBVL\_monitoring\_20200729.mxd (MAG-mgudry 8/27/2020)



**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**Week of August 17-21, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Observation
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: September 2, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 24 – August 28, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 24, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

## **Project Activities – Week of August 24, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of August 24, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.
- Mowing and removal of emergent vegetation within the reservoir.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of August 24, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 24, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

## **Least Bell's Vireo Surveys – Week of August 24, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of August 24, 2020. The two surveys, which occurred on August 24 and August 28, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of August 24, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
08/24/20	Shannan Shaffer
08/28/20	Shannan Shaffer

The least Bell's vireos were documented during focused surveys conducted during the week of August 24, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey conducted on August 24, 2020, the least Bell's vireos were not observed and the male was not heard singing. During the survey conducted on August 28, 2020, the Designated Biologist observed



the male singing at the northwestern end of the previously documented territory. The female was not observed during the surveys conducted during the week of August 24, 2020. Least bell's vireos were not documented by Designated Biologists during construction monitoring or restoration monitoring during the week of August 24, 2020. Although the complete family group was not observed during surveys conducted during the week of August 24, it is possible that the group continues to be present at the Project site but with reduced activity due to the progression of the season. No additional signs of nesting have been observed. These observations combined with the timing of the surveys likely indicate that the pair has completed breeding activities for the season. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities have resumed within the 300-foot buffer, with limitations described above. The limitations on restoration activities within the buffer will remain in place until the Designated Biologist confirms that the vireo family group have left the Project site for the season. No sediment hauling activities will occur within the buffer.

No other observations of least Bell's vireo were documented elsewhere on the Project site during focused surveys conducted the week of August 24, 2020.

#### *Least Bell's Vireo Noise Monitoring*

The vireo family group are now mobile within the Project site and no hourly Leq levels at or above 60 dBA have been recorded at the noise monitoring location to date. Sediment hauling activities are currently taking place well outside of the vireo territory and buffer. Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

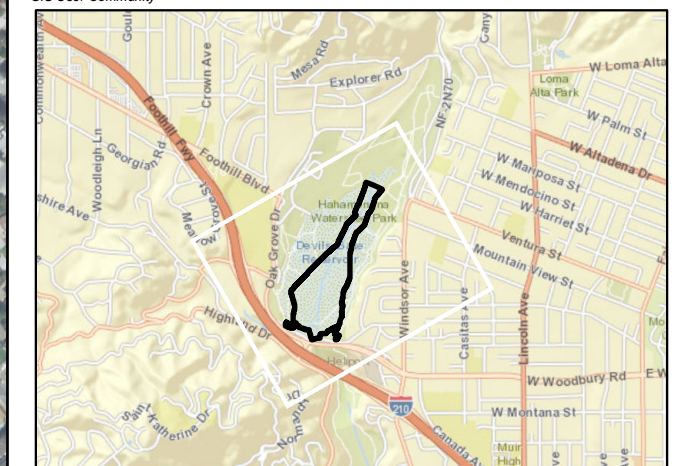




**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**Week of August 24-28, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Observation
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: September 14, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of August 31 – September 4, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of August 31, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.



## **Project Activities – Week of August 31, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of August 31, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of August 31, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of August 31, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

## **Least Bell's Vireo Surveys – Week of August 31, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of August 31, 2020. The two surveys, which occurred on August 31 and September 4, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of August 31, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
08/31/20	Shannan Shaffer
09/04/20	Christine Tischer

The least Bell's vireos were not documented during focused surveys conducted during the week of August 31, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the surveys conducted on August 31 and September 4 the least Bell's vireos were not observed and the male was not heard singing. Least bell's vireos were not documented by Designated Biologists during construction monitoring or restoration monitoring during the week of August 31, 2020. As the least

Bell's vireos were not observed during surveys conducted during the week of August 31 (and have not been observed since the focused survey conducted on August 28, 2020), it is likely that the least Bell's vireo family group has left the Project site for the season. Twice-weekly focused surveys will continue until the end of the recognized least Bell's vireo breeding season (September 15). After September 15<sup>th</sup> (and upon concurrence with USFWS), twice-weekly site inspections by the least Bell's vireo Designated Biologist will commence and continue until the completion of sediment removal activities for the year in the fall, assuming no additional observations of least Bell's vireo have been made in the interim. Upon concurrence with USFWS, limitations on restoration activities within the 300-foot buffer will be lifted after September 15<sup>th</sup>, assuming that no observations of least Bell's vireo have been made in the interim.

#### *Least Bell's Vireo Noise Monitoring*

Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point. Based on observations during weekly surveys, it is likely that the vireo family group has left the Project site for the season. As such, noise monitoring for the 2020 least Bell's vireo season is anticipated to be complete (upon receiving concurrence from UFSWS), assuming that sediment removal activities remain at a distance further than was previously monitored prior to September 15<sup>th</sup>.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

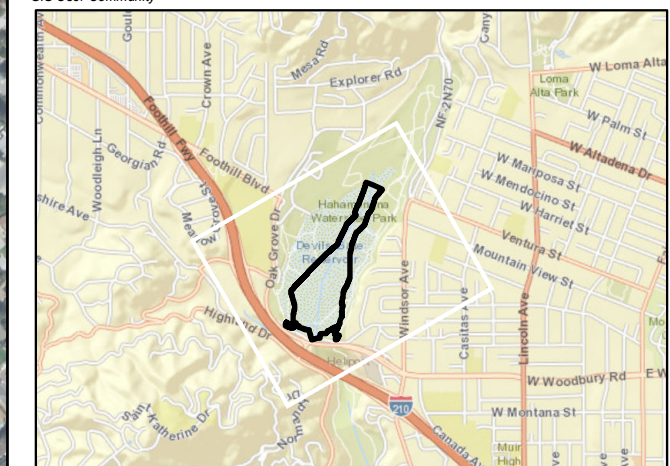




**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**Week of Aug 31-Sept 4, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Observation
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: September 17, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of September 7 – 11, 2020**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of September 7, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment.

## **Project Activities – Week of September 7, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of September 7, 2020. All Project activities were monitored by a Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of September 7, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of September 7, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Restoration activities are occurring at the outermost edges of the buffer as to reduce any temporary disturbances to foraging vireo in the area.

## **Least Bell's Vireo Surveys – Week of September 7, 2020**

### *Focused Least Bell's Vireo Surveys*

Two focused least Bell's vireo surveys were conducted during the week of September 7, 2020. The two surveys, which occurred on September 7 and 11, 2020, were conducted as focused breeding season surveys, to be continued twice-weekly for the duration of the least Bell's vireo breeding season (through September 15). Each survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The dates and personnel for each survey are presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of September 7, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
09/07/20	Shannan Shaffer
09/11/20	Christine Tischer

The least Bell's vireos were not documented during focused surveys conducted during the week of September 7, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the surveys conducted on September 7 and 11, the least Bell's vireos were not observed and the male was not heard singing. Least bell's vireos were not documented by Designated Biologists during construction monitoring or restoration monitoring during the week of September 7, 2020.

As the least Bell's vireos were not observed during surveys conducted during the week of September 7 (and have not been observed since the focused survey conducted on August 28, 2020), it is likely that the least Bell's vireo family group has left the Project site for the season. Focused surveys will continue until the end of the recognized least Bell's vireo breeding season (September 15). After September 15<sup>th</sup>, twice-weekly site inspections by the least Bell's vireo Designated Biologist will commence and continue until the completion of sediment removal activities for the calendar year, assuming no additional observations of least Bell's vireo have been made in the interim. Upon concurrence with USFWS, limitations on restoration activities within the 300-foot buffer will be lifted after September 15<sup>th</sup>, assuming that no observations of least Bell's vireo have been made in the interim.

#### *Least Bell's Vireo Noise Monitoring*

Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities have been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos are still occupying the Project site at that point. Based on observations during weekly surveys, it is likely that the vireo family group has left the Project site for the season. As such, noise monitoring for the 2020 least Bell's vireo season is anticipated to be complete (upon receiving concurrence from UFSWS), assuming that sediment removal activities remain at a distance further than was previously monitored prior to September 15<sup>th</sup>.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory

## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

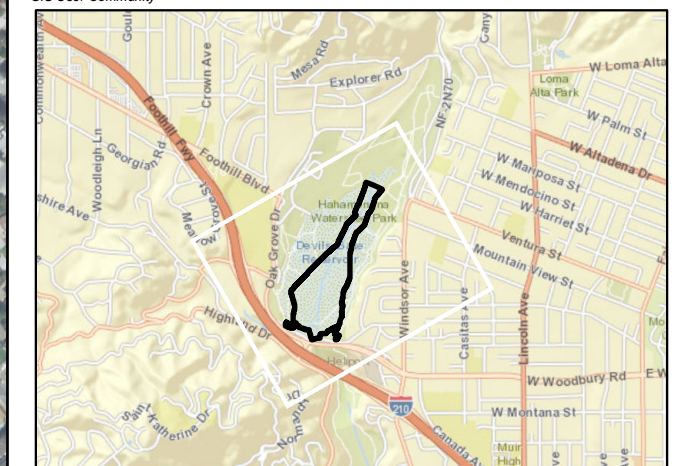




**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**Week of Sept 7-11, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Observation
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





# Memorandum

To: Christine Medak, USFWS  
Project: Devil's Gate Reservoir Restoration Project  
From: Lauren Simpson  
Date: September 29, 2020

**Subject: Weekly Least Bell's Vireo Survey and Noise Monitoring Summary for the Devil's Gate Reservoir Restoration Project; Week of September 14 – 18, 2020 – Final Memo for 2020 Season**

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This memorandum has been prepared to summarize the results of the breeding season focused surveys for least Bell's vireo (*Vireo bellii pusillus*), nest monitoring, and noise monitoring activities conducted by ECORP Consulting, Inc. (ECORP) for Los Angeles County Public Works' (LACPW) Devil's Gate Reservoir Restoration Project (Project) in the City of Pasadena, Los Angeles County, California. The focused breeding season surveys, nest monitoring, and noise monitoring for least Bell's vireo were conducted to comply with Conservation Measure 11b of the USFWS Informal Section 7 Consultation that was issued for the Project which states:

"Noise buffer: Construction noise levels will be restricted to below 60 dBA Leq hourly at 100 feet from areas occupied by the vireo. 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. If vireos are present, noise monitoring will be conducted weekly and must demonstrate that noise levels are less than 60 dBA Leq hourly at specified monitoring locations, no less than 100 feet from the active nest(s) as determined by the biological monitor. Weekly survey reports will be prepared during the nesting season and sent electronically to the CFWO each week that vireos are detected. The weekly reports will identify the location of vireo nest sites and territories within 500 feet of the project."

A summary of least Bell's vireo survey efforts and observations of least Bell's vireo prior to the start of Project activities on May 20, 2020 was provided in the previously transmitted memo covering the period of May, 2020.

A brief summary of the Project activities, focused least Bell's vireo survey and nest monitoring results for the week of September 14, 2020 is provided below. A figure depicting the least Bell's vireo nesting location and territory within 500 feet of the Project site as well as least Bell's vireo observations outside of the territory is included as an attachment. The final focused least Bell's vireo survey for the 2020 season was conducted on September 15<sup>th</sup>, 2020. As such, this will be the final memo for the season.

## **Project Activities – Week of September 14, 2020**

### *Sediment Removal Activities*

Project activities related to sediment removal activities continued during the week of September 14, 2020. All Project activities were monitored by a Designated Biologist through September 15. After September 15<sup>th</sup>, daily monitoring was replaced with twice-weekly site inspections by the Designated Biologist. Project activities related to sediment removal activities included the following:

- Sediment removal hauling activities. Sediment removal and hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators.

### *Restoration Activities*

On-site restoration activities were ongoing during the week of September 14, 2020 and included the removal of non-native vegetation from on-site restoration areas using hand tools. Per ECORP's email communication with USFWS on July 15, 2020, restoration activities resumed within the 300-foot buffer of the previously active least Bell's vireo nest location on July 17, 2020 and continued during the week of September 14, 2020. Restoration activities were limited to hand pulling of weeds by a crew of no more than five workers under the supervision of a Designated Biologist. Per ECORP's email communication with USFWS on September 22, 2020, restrictions on restoration activities within the buffer were lifted for the remainder of the 2020 season as it was determined that the least Bell's vireo family group had left the site for the season.

## **Least Bell's Vireo Surveys – Week of September 14, 2020**

### *Focused Least Bell's Vireo Surveys*

One focused least Bell's vireo survey was conducted during the week of September 14, 2020. The survey, which occurred on September 15, 2020, was conducted as the final focused breeding season survey of the 2020 season (surveys were conducted twice-weekly for the duration of the least Bell's vireo breeding season). The survey was conducted by a CDFW- and USFWS-approved Designated Biologist for least Bell's vireo surveys. The date and personnel for the survey is presented in Table 1.

<b>Table 1. Focused Least Bell's Vireo Surveys Conducted Week of September 14, 2020</b>	
<b>Date</b>	<b>Surveyor</b>
09/15/20	Christine Tischer

The least Bell's vireos were not documented during the final focused survey on September 15, 2020. The location of the least Bell's vireo previously active nest and territory are depicted in Attachment A. During the survey, the least Bell's vireos were not observed and the male was not heard singing. Least bell's vireos

were not documented by Designated Biologists during construction monitoring or restoration monitoring during the week of September 14, 2020. As the least Bell's vireos were not observed during the final focused survey on September 15, and have not been observed on site since the focused survey conducted on August 28, 2020, it is determined that the least Bell's vireo family group has left the Project site for the season. Focused surveys have concluded for the 2020 season and twice-weekly site inspections by the least Bell's vireo Designated Biologist will commence and continue until the completion of sediment removal activities for the calendar year. Per ECORP's email communication with USFWS on September 22, 2020, limitations on restoration activities within the 300-foot buffer have been lifted.

#### *Least Bell's Vireo Noise Monitoring*

Per ECORP's email communication with USFWS on July 15, 2020, noise monitoring activities had been stopped until sediment hauling activities return closer to the occupied habitat than was previously monitored, assuming that the vireos were still occupying the Project site at that point. Based on observations during weekly surveys, the least Bell's vireo family group has left the Project site for the season. As such, noise monitoring for the 2020 least Bell's vireo season is complete.

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).



Lauren Simpson, Staff Biologist/Project Manager  
ECORP Consulting, Inc.

#### Attachments:

Attachment A – Location of Least Bell's Vireo Nest and Territory



## **ATTACHMENT A**

Location of Least Bell's Vireo Nest and Territory

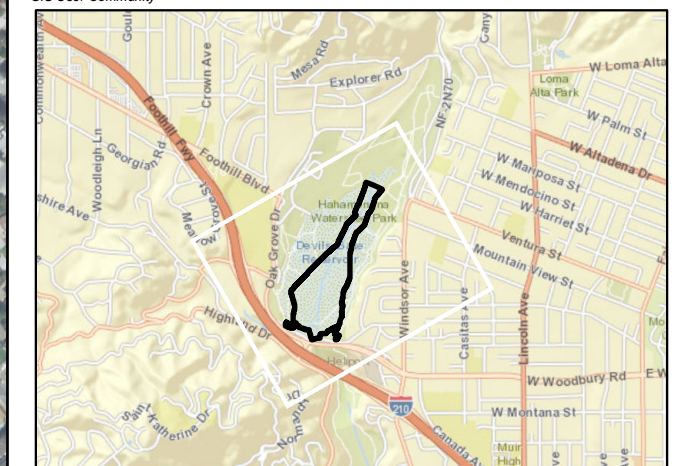




**Figure 1.**  
**Least Bell's Vireo Monitoring**  
**Week of Sept 14-18, 2020**

- Map Features**
- Initial Project Footprint
  - Initial Project Footprint 500' Buffer
  - Least Bell's Vireo Observation
  - Least Bell's Vireo Nest
  - Least Bell's Vireo Territory
  - Least Bell's Vireo Nest 300' Buffer

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community





CNDDDB Submission of Least Bell's Vireo Observations

Mail to:  
California Natural Diversity Database  
California Dept. of Fish & Wildlife  
P.O. Box 944209  
Sacramento, CA 94244-2090  
CNDDDB@wildlife.ca.gov

*For Office Use Only*

Source Code: \_\_\_\_\_ Quad Code: \_\_\_\_\_  
Elm Code: \_\_\_\_\_ Occ No.: \_\_\_\_\_  
EO Index: \_\_\_\_\_ Map Index: \_\_\_\_\_

**Date of Field Work (mm/dd/yyyy):** \_\_\_\_\_

## California Native Species Field Survey Form

**Scientific Name:** \_\_\_\_\_

**Common Name:** \_\_\_\_\_

**Species Found?**

Yes No

If not found, why?

Total No. Individuals: \_\_\_\_\_ Subsequent Visit? Yes No

**Is this an existing NDDDB occurrence?** \_\_\_\_\_ No Unk.

Yes, Occ. #

Collection? If yes:

Number

Museum / Herbarium

**Reporter:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**E-mail Address:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

### Plant Information

Phenology:

% vegetative % flowering % fruiting

### Animal Information

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

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

County: \_\_\_\_\_ Landowner / Mgr: \_\_\_\_\_

Quad Name: \_\_\_\_\_ Elevation: \_\_\_\_\_

T \_\_\_\_\_ R \_\_\_\_\_ Sec \_\_\_\_\_, \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4, Meridian: H M S Source of Coordinates (GPS, topo. map & type): \_\_\_\_\_

T \_\_\_\_\_ R \_\_\_\_\_ Sec \_\_\_\_\_, \_\_\_\_\_ 1/4 of \_\_\_\_\_ 1/4, Meridian: H M S GPS Make & Model: \_\_\_\_\_

**DATUM:** NAD27 NAD83 WGS84 Horizontal Accuracy: \_\_\_\_\_ meters/feet

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

Coordinates: \_\_\_\_\_

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

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

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

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

Immediate AND surrounding land use: \_\_\_\_\_

Visible disturbances: \_\_\_\_\_

Threats: \_\_\_\_\_

Comments: \_\_\_\_\_

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

Keyed (cite reference): \_\_\_\_\_

Compared with specimen housed at: \_\_\_\_\_

Compared with photo / drawing in: \_\_\_\_\_

By another person (name): \_\_\_\_\_

Other: \_\_\_\_\_

**Photographs:** (check one or more)

Slide Print Digital

Plant / animal

Habitat

Diagnostic feature

May we obtain duplicates at our expense? yes no





## **APPENDIX C**

### Construction Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	59 °F	0-3 MPH	100 %
End of Day	15:00	76 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 3 water trucks, 2 excavators, 1 skip loader, haul trucks, approximately 15 personnel. hauling sediment and mowing vegetation

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

Yellow warbler

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

**List of species observed while monitoring:**

parrot sp., cora, coye, casj, calt, spto, yewa, blph, bewr, hofi, lego, side blotched lizard, western toad, rsha

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

**Log Entry**

0640 arrived on site. began surveying coye-2 and calt nest areas. both nests have fledged, buffers removed. began surveying vegetation for removal, no bio issues found.

0800 trained 2 new workers

0815 began monitoring vegetation removal near west access road

1030 began clearing vegetation at center of reservoir

1430 completed clearing of vegetation for the day, no bio issues.

1500 conducted final bio sweep and left site.

**Additional Comments**

N/A

Signature







**photo\_1-emergent vegetation removal.jpg**  
-118.17577 34.18724



**photo\_2-hauling operations.jpg**  
-118.17579 34.18724





photo\_3-emergent vegetation removal.jpg  
-118.17457 34.19032

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:38	62 °F	0-3 MPH	100 %
End of Day	15:10	80 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company, approximately 15 personnel, 2 water trucks, 2 excavators, 1 dozer, 1 skip loader, hauling sediment and mowing vegetation

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

Yellow warbler

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

**List of species observed while monitoring:**

casj, coye, hofi, sosp, calt, spto, cora, parrot sp., yewa, western toad, side blotched lizard, clsw, caki, blph, modo, rsha

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

**Log Entry**

0640 arrived on site.

0745 began vegetation removal.

0815 suspected COYE nest, halted removal in the area and moved to adjacent patch, continued removal until 1430 including areas along west access road. relocated 15 western toads.

1510 biologist left site. no bio issues observed

**Additional Comments**

N/A

**Signature**





photo\_1-vegetation removal.jpg  
-118.17465 34.19033



photo\_2-vegetation removal.jpg  
-118.17583 34.18763

## **Devil's Gate Monitoring Log**

Submitted By: SoCal\_Bio

Submitted Time: 07/10/2020 8:01 AM

### **Project Name**

Devil's Gate Reservoir Restoration Project

### **Date**

Jul 6, 2020

### **Monitor Name**

Taylor Dee

### **Are Additional Monitors Present?**

No

### **List Additional Monitors Present**

### **Start Time**

06:30

### **Start Temperature**

65

### **Start Cloud Cover**

0



**Start Wind Speed**

0-1

**End Time**

03:15

**End Temperature**

95

**End Cloud Cover**

0

**End Wind Speed**

0-1

**Construction Activity and Personnel**

Griffith conducting sediment removal, ESA fence installation/maintenance, and removal of weedy emergent vegetation. Two excavators and 1 dozer loading haul trucks and moving dirt. One skip loader clearing weedy emergent vegetation. Two water trucks and 1 blade also operating on site. Fence crew includes 3 Griffith personnel using hand tools to install fence.

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

Construction Monitoring

**Was ESA swept prior to start of work?**

Yes

**Covered Species Observed?**

Yes

### **Which Species were observed?**

Yellow warbler

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

No

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

### **Other Wildlife Species Observed**

SPTO, COYE, HOFI, CASJ, BEWR, ALHU, BLPH, CATH, western fence lizard, side-blotched lizard, WTSW, SBMU, EUST, NUWO, LEGO, BHGR, CORA, TUVU, RTHA, coastal whiptail, WREN, PSFL

### **Topics to Cover on the Next Monitoring Day**

Always pick up trash

### **Log Entry #1**

0618 signed in at trailer.

0640 met crew at staging area and went over plan for the day for vegetation clearing with Griffith foreman and skip loader operator.

0700 haul trucks arrived and sediment removal began. Conducted sweep of areas to be cleared north of sediment removal activities near the west side.

0829 surveyed another area to be cleared along southwestern boundary where vegetation would be cleared for reinstalling ESA fence. Monitored vegetation clearing and adjacent fence installation activities.

1430 Vegetation clearing done for the day. Crew is starting clean up activities.

1500 Last haul truck leaving.

1515 signed out of trailer and left site.

## **Log Entry #1 - Photos taken?**

Yes



**Vegetation clearing for fence reinstallation on west side.jpg**

-118.17672 34.18735



**After vegetation clearing and fence reinstallation on west side.jpg**

-118.17671 34.18677

**Log Completed?**

Yes

**Signature**

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



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 7, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:42	64 °F	0-3 MPH	0 %
End of Day	15:00	91 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 2 water trucks, 2 excavators, 1 skip, 1 dozer, approximately 15 personnel hauling sediment and emergent vegetation removal

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

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

**List of species observed while monitoring:**

coye, casj, acwo, western toad, side blotched lizard, clsw, blph, hofi, amcr, spto, coyote, cottontail, alligator lizard, deer mouse, western fence lizard, lego

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

**Log Entry**

0640 arrived on site.

0710 began clearing emergent vegetation from central work area. Relocated approximately 45 western toads, 1 alligator lizard, 1 deer mouse. no bio issues observed.

1425 completed vegetation removal for the day.

1500 biologist conducted final sweep and left site

**Additional Comments**

N/A

**Signature**





photo\_1-vegetation removal.jpg  
-118.17375 34.18999



photo\_2-vegetation removal after.jpg  
-118.174 34.19025

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	60 °F	0-3 MPH	0 %
End of Day	14:50	84 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company hauling sediment and emergent vegetation removal. 2 water trucks, 1 excavator, 1 skip, 1 dozer. Approximately 15 personnel

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

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

**List of species observed while monitoring:**

casj, spto, coye, sosp, bars, blph, hofi, lego, bush, western toad, deer mouse, side blotched lizard, amke, cora, rsha

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

**Log Entry**

0640 arrived on site

0720 began emergent vegetation removal

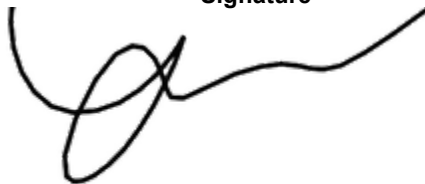
1340 completed vegetation removal, relocated 8 western toads and 1 deer mouse. Conducted final sweep of the site.

1450 biologist left site

**Additional Comments**

N/A

**Signature**





**photo\_1-removal of emergent vegetation.jpg**  
-118.17392 34.19024



**photo\_2-loading vegetation into dumpster.jpg**  
-118.174 34.19016



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	60 °F	0-3 MPH	0 %
End of Day	14:55	88 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 2 water trucks, 1 excavator, 1 dozer, 1 skid loader, haul trucks. Hauling sediment and removing emergent vegetation. Approximately 15 personnel

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

Yellow warbler

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

Family group of LBVI observed north of known nest location and north of work area. 1 male heard singing frequently and fledglings heard/observed begging. 5 LBVI individuals observed. 1 male adult and other 4 were fledglings, possibly one was female adult

**List of species observed while monitoring:**

casj, calt, blph, lego, hofi, coye, spto, cora, parrot sp, yewa, lbvi, western toad, deer mouse, side blotched lizard, sosp, bewr, wtsw, clsw, tuvu

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

**Log Entry**

0640 arrived on site

0715 began monitoring removal of emergent vegetation. relocated 5 western toads

1310 vegetation clearing done for the day.

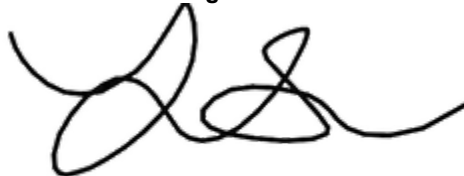
1445 biologist conducted final sweep of site

1455 biologist left site

**Additional Comments**

N/A

Signature





**photo\_1-removal of emergent vegetation.jpg**  
-118.17398 34.19038



**photo\_2-hauling activities.jpg**  
-118.17413 34.18976

## **Devil's Gate Monitoring Log**

Submitted By: SoCal\_Bio

Submitted Time: 07/13/2020 1:42 PM

### **Project Name**

Devil's Gate Reservoir Restoration Project

### **Date**

Jul 10, 2020

### **Monitor Name**

Taylor Dee

### **Are Additional Monitors Present?**

No

### **List Additional Monitors Present**

### **Start Time**

06:19

### **Start Temperature**

63

### **Start Cloud Cover**

0

**Start Wind Speed**

0-1

**End Time**

15:15

**End Temperature**

93

**End Cloud Cover**

0

**End Wind Speed**

0-1

**Construction Activity and Personnel**

Griffith conducting sediment removal, ESA fence installation/maintenance, and removal of weedy emergent vegetation. Two excavators and a dozer loading haul trucks and moving dirt. One skip loader clearing weedy emergent vegetation and moving dirt. Two water trucks and 1 blade also operating on site.

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

Construction Monitoring

**Was ESA swept prior to start of work?**

Yes

**Covered Species Observed?**



Yes

### **Which Species were observed?**

Yellow warbler

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

No

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

### **Other Wildlife Species Observed**

SPTO, CASJ, parrot sp., COYE, WREN, CALT, BLPH, SOSP, BUSH, western fence lizard, ANHU, ACWO, LEGO, CORA, HOFI, western side-blotch lizard, western fence lizard, coastal whiptail, California ground squirrel, TUVU

### **Topics to Cover on the Next Monitoring Day**

N/A

### **Log Entry #1**

0619 signed in at trailer.

0630 Notified Griffith foreman that I would be in the reservoir surveying before construction began. Surveyed area planned for vegetation clearing.

0700 sediment removal activities began.

0709 Skip loader and water truck arrived and began clearing weedy emergent vegetation primarily consisting of perennial pepperweed. Monitored vegetation clearing and surveyed remaining vegetated areas ahead of skip loader.

1430 Skip loader operator said no more vegetation clearing until Monday.

1509 Work done for the day.

1515 signed out of trailer and left site. No impacts to special-status resources observed.

**Log Entry #1 - Photos taken?**

No

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of several overlapping, fluid strokes that form an abstract, cursive shape.

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: Jul 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	68 °F	0-3 MPH	0 %
End of Day	14:54	89 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing, grading, sediment hauling
2. One skiploader, two excavators, one blade, one bulldozer, three water trucks, 60 bottom dump trucks
3. Eight Griffith personnel (foreman Joe)

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

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

**List of species observed while monitoring:**

COYE, CORA, RSHA, LEGO, CASJ, CLSW, RLPA, ANHU, ROPI, SPTO, common side-blotched lizard, western toad, coastal whiptail, western fence lizard

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

**Log Entry**

0700- monitored sediment removal activities.

0715- monitored skiploader removing cleared vegetation and loading it into dumpsters.

0958- monitored vegetation clearing north of the scale house. Relocated 12 western toads, two common side-blotched lizards, and two western fence lizards.

**Additional Comments**

N/A

Signature





**Vegetation\_removal\_during\_facingS.jpg**  
-118.17436 34.19021



**Sediment\_removal\_activities.jpg**  
-118.17423 34.18969





**Vegetation\_clearing\_during\_facingNE.jpg**  
-118.17363 34.19035

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jul 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	66 °F	0-3 MPH	70 %
End of Day	15:15	82 °F	0-3 MPH	30 %

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

Construction Monitoring

**Construction Activity:**

Monitored vegetation removal with Victor on skid loader

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

Least Bell's vireo, Yellow warbler

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

**List of species observed while monitoring:**

CALT SPTO NRWS CASJ BEWR LBVI CORA WREN COYE western whiptail, western fence lizard, desert cottontail, California ground squirrel, red-crowned parrots, western harvest mouse, western toad, deer mouse, gopher snake

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

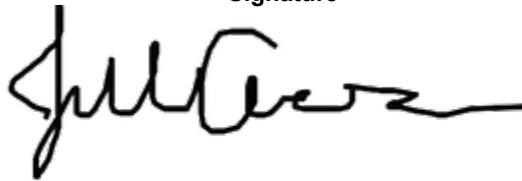
**Log Entry**

7:00-3:00 vegetation removal monitoring with Victor on skid loader on platform northwest of weigh station. Relocated three California toads, gopher snake, deer mouse, and western harvest mouse.

**Additional Comments**

N/A

**Signature**





**Vegetation\_removal\_before\_facing\_NE.jpg**  
-118.17458 34.19036



**Vegetation\_removal\_after\_facing\_NE.jpg**  
-118.17431 34.19045

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jul 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	18:45	64 °F	0-3 MPH	75 %
End of Day	15:00	82 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with Victor on skid loader

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

Least Bell's vireo

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

Male singing with 1 fledgling nearby. Seen in restoration area west of their nest area. Male singing from several perches.

**List of species observed while monitoring:**

LEGO ATFL CASJ CALT COYE LBVI WREN HOFI SPTO CAQU family RSHA BUSH CORA western toad, western fence lizard, western whiptail, desert cottontail

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

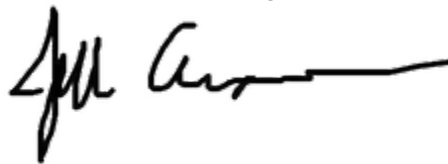
**Log Entry**

Monitored vegetation removal with Victor on skid loader on platform northwest of the weigh station. Relocated 4 California toads, 1 western whiptail, and 1 western fence lizard. Observed least bells vireo male and fledgling during breaks from vegetation removal.

**Additional Comments**

N/A

Signature







**Sediment\_movement\_facing\_S.jpg**  
-118.17606 34.18908



**Vegetation\_removal\_facing\_N.jpg**  
-118.17427 34.1902



Vegetation\_removal\_facing\_N.jpg  
-118.1742 34.19035

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	62 °F	0-3 MPH	0 %
End of Day	14:56	83 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 2 excavators, 2 water trucks, 1 skip, 1 dozer, haul trucks. approximately 15 personnel. hauling sediment

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

Yellow warbler

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

**List of species observed while monitoring:**

calt, casj, spto, lego, coye, yewa, blph, parrots, rsha, western toad, caqu, clsw, hofi, anhu, alhu, cora, western fence lizard

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

**Log Entry**

0640 arrived on site.

0715 monitored removal of vegetation debris piles and emergent vegetation. relocated 20 western toads and 2 western fence lizards.

1430 vegetation removal complete, biologist conducted final sweep.

1455 biologist left site

**Additional Comments**

N/A

Signature







**Photo\_1-removal of debris piles.jpg**  
-118.17445 34.18993



**Photo\_2-sediment removal activities.jpg**  
-118.1745 34.18983



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max Murray**  
**Date of Log: Jul 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	14:40	93 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing
2. A skip loader and an excavator
3. Coordinated with Joe and John from Griffith; worked with Victor, the skiploader operator

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

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

**List of species observed while monitoring:**

CASJ, CORA, CALT, COYE, MODO, SOSP, BLPH, SAPH, RSHA, BUSH, LEGO, ACWO, WEBL, SPTO, western toad, coastal whiptail, California king snake, vole, side-blotched lizard, western fence lizard

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

**Log Entry**

0630 - arrive onsite  
0645 - clear vegetation before removal  
0700 - hauling begins, begin monitoring vegetation clearing  
1440 - end monitoring

**Additional Comments**

**Signature**





**Vegetation\_clearing\_before\_facingN.jpg**  
-118.1745 34.18996



**Vegetation\_clearing\_during\_facingSW.jpg**  
-118.17406 34.19052



**Vegetation\_clearing\_during\_facingN.jpg**  
-118.17634 34.1871



**Vegetation\_clearing\_after\_facingN.jpg**  
-118.17442 34.19001

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	55 °F	0-3 MPH	0 %
End of Day	15:00	83 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith company, 1 dozer 1 excavator 2 water trucks 1 skip, approximately 15 personnel, mowing and sediment removal

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

Yellow warbler

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

**List of species observed while monitoring:**

lego, caki, psfl, bhgb, hofi, spto, coye, yewa, alhu, anhu, bewr, bars, clsw, cora, blph, western toad, western fence lizard, side blotched lizard

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

**Log Entry**

0640 arrived on site. Staked buffers for LEGO-5 and LEGO-6, informed contractor of active nests and presence of no work buffer.

0745 began monitoring emergent vegetation removal and deposit of debris into dumpster, relocated approximately 35 western toads and 2 western fence lizards.

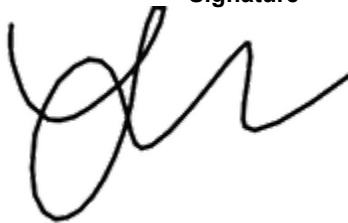
1405 mowing done for day.

1500 biologist left site.

**Additional Comments**

N/A

Signature







**Photo\_1-no work buffer around lego nests.jpg**  
-118.17673 34.18824



**Photo\_2-emergent vegetation removal.jpg**  
-118.17418 34.19015

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jul 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	0 %
End of Day	16:30	84 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Monitor vegetation removal with Victor on skiploader

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

Least Bell's vireo

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

Heard one fledgling begging adjacent to areas where we were doing vegetation removal

**List of species observed while monitoring:**

CALT HOFI CORA COHA CAQU CASJ SAPH RSHA SOSP LBVI

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

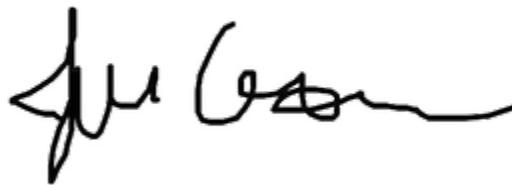
**Log Entry**

Monitored vegetation pile removals and vegetation removal with Victor. Relocated about 30 western toads. Also monitored rock removal and vegetation removal with excavator

**Additional Comments**

N/A

**Signature**





**Vegetation\_pile\_removal\_facing\_W.jpg**  
-118.17389 34.19015



**Hauling\_vegetation\_piles\_facing\_E.jpg**  
-118.17396 34.19035





**Vegetation\_removal\_facing\_E.jpg**  
-118.17667 34.18727



**Rock\_vegetation\_removal\_facing\_S.jpg**  
-118.17583 34.18766



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jul 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	75 %
End of Day	15:00	81 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Monitor vegetation removal with Victor on skiploader

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

Yellow warbler

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

**List of species observed while monitoring:**

HUVI HOFI CORA YEWA SOSP ALHU CAQU western fence lizard, western whiptail, western toad, red-crowned parrot

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

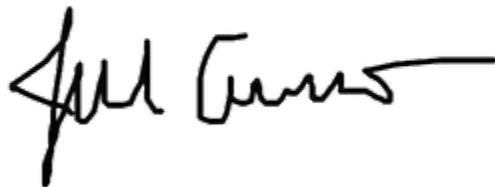
**Log Entry**

Monitored vegetation clearing in the southwest corner with Victor on skiploader. Relocated a few western toads and a western whiptail. 2 HOFI fledglings were in this area, so I kept vegetation on the side slopes of the drainage ditch for them to use. Moved over to area west of weigh station to remove vegetation. Stakes were missing in this area so I used the collector app to place yellow flagging where the fence line should be.

**Additional Comments**

N/A

**Signature**





**Vegetation\_removal\_before\_facing\_E.jpg**  
-118.17653 34.18723



**Vegetation\_removal\_after\_facing\_E.jpg**  
-118.17688 34.18721

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Taylor Dee**  
**Date of Log: Jul 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:37	64 °F	0-3 MPH	100 %
End of Day	14:53	89 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith conducting sediment removal activities and clearing emergent weedy vegetation. 2 excavators loading haul trucks, 1 blade and 2 water trucks operating. 1 skip loader operated by Victor (Savala).

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

Yellow warbler

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

**List of species observed while monitoring:**

SPTO, CASJ, parrot sp., COYE, WREN, CALT, BLPH, SOSPO, BUSH, western fence lizard, AMCR, ANHU, LEGO, HOFI, coastal whiptail, California ground squirrel, TUVU

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

**Log Entry**

0636 signed in at trailer. Met with Griffith foreman.

0655 met skip loader operator at staging area and mobilized to work area. Plan to monitor skip loader removing emergent vegetation along fence within project site in preparation for crew to push off fence (remove and reinstall fence) along project boundary on west side.

0659 haul trucks arrived.

0700 surveyed area to be cleared, no biological concerns observed.

0715 began monitoring removal of emergent vegetation.

1130 met with John (Griffith) and Victor on east side where emergent vegetation planned to be removed for reinstallation of haul road. No biological concerns observed. Monitored removal of vegetation which was primarily non-native. After vegetation cleared, skip loader filled in one ditch.

1423 vegetation removal done for the day. Griffith began site clean up.

1453 signed out at trailer.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, consisting of a stylized, elongated shape with a sharp point at the top right and a curved bottom.



Vegetation\_removal\_west\_side\_during\_facingSW.jpg  
-118.17552 34.18955



Vegetation\_removal\_for\_haul\_road\_during\_facingSE.jpg  
-118.17391 34.18646





Vegetation\_clearing\_activities.jpg  
-118.17391 34.18652

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:43	65 °F	0-3 MPH	100 %
End of Day	14:50	83 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith company 1 excavator 1 blade 1 dozer 1 skip 2 water trucks. Approximately 15 personnel, hauling sediment

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

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

**List of species observed while monitoring:**

anhu, cora, parrots, sbmu, rwbl, clsw, calt, hofi, rsha, western toad, bars, coastal whiptail, side-blotched lizard, lego, yewa, deer mouse

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

**Log Entry**

0640 arrive on site.

0700 begin monitoring skip removing emergent vegetation in southeast corner to prepare for alternative truck access route, relocated 4 western toads.

1200 finished at southeast corner, began clearing around ESA fenceline west of scalehouse to move fence back to intended alignment.

1425 done with clearing for the day

1450 biologist conducted final clearance of site and left site.

**Additional Comments**

N/A

**Signature**





**photo\_1-clearing at southeast corner.jpg**  
-118.17402 34.18645



**photo\_2-hauling operations.jpg**  
-118.17394 34.18655



photo\_3-clearing along western fenceline.jpg  
-118.17586 34.18927



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carley Lancaster**  
**Date of Log: Jul 27, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	64 °F	0-3 MPH	0 %
End of Day	14:45	82 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith crew removed vegetation along the western extent of the reservoir. Vegetation was removed using one skip loader and two water trucks. Crew consisted of one foreman and three equipment operators. In addition, excavation of sediment material using one excavator, two water trucks, and numerous haul trucks, was observed within the cleared portions of reservoir I.

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

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

**List of species observed while monitoring:**

cottontail, MODO, NOMO, HOFI, CORA, ROPI, RTHA, LEGO, ANHU, CALT, SPTO, CAQU, CLSW, NRWS, WEBL, western toad, western fence lizard, western whiptail

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

**Log Entry**

0645 conducted pre-removal sweep.

0700 monitored emergent vegetation clearing on west side of reservoir. Observed several western toads, western fence lizards, and western whiptails. All were relocated out of the impact area.

1500 conducted final sweep and biologist left for the day.

**Additional Comments**

Signature





Vegetation\_clearing\_before\_facingSW.jpg



Vegetation\_clearing\_during\_facingSW.jpg



**Vegetation\_clearing\_after\_facing\_SW.jpg**  
-118.17575 34.18935

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jul 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	10 %
End of Day	15:00	84 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Monitored vegetation removal with Victor on skip loader

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

Yellow warbler

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

**List of species observed while monitoring:**

YEWA BEWR SOSP RSHA HUWI PSFL BLPH HOFI BHGR CORA CAQU desert cottontail, California toad, western whiptail, western fence lizard

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

**Log Entry**

Monitored vegetation removal with Victor on skip loader. Relocated three western toads and a western whiptail. Watched southwestern corner of vegetation for any nesting behaviors or fledglings.

**Additional Comments**

N/A

**Signature**







**Bulldozer\_facingE.jpg**  
-118.17554 34.1872



**Vegetation\_removal\_before\_facingE.jpg**  
-118.17649 34.18741



**Vegetation\_removal\_after\_facing E.jpg**  
-118.17685 34.18735

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	55 °F	0-3 MPH	0 %
End of Day	14:37	88 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 2 water trucks, 1 excavator, 1 blade, 1 dozer, 1 skip. Approximately 15 personnel. hauling sediment and removing emergent vegetation, restoring ESA fence

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

Yellow warbler

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

**List of species observed while monitoring:**

lego, parrots, sosp, bewr, anhu, spto, calt, casj, yewa, nuwo, bush, hofi, western fence lizard, alhu, psfl, coastal whiptail, western toad, deer mouse, alligator lizard, cora, clsw, bars

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

**Log Entry**

0640 arrived on site, conducted clearance of work area.

0720 skip began clearing in southwest corner, relocated 3 western toads, 1 western fence lizard, 1 deer mouse.

1000 began clearing west of scale house to restore ESA fence. relocated 15 western toads, 1 deer mouse, 1 alligator lizard

1415 skip done for the day. biologist conducted final sweep of site.

1435 biologist left site

**Additional Comments**

N/A

**Signature**







photo\_1-vegetation clearing SW corner.jpg  
-118.17667 34.18726



photo\_2-sediment hauling activities.jpg  
-118.17635 34.18707





photo\_3-vegetation clearing west of scalehouse.jpg  
-118.17535 34.18974



photo\_4-ESA fence restoration.jpg  
-118.17598 34.18923

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	62 °F	0-3 MPH	0 %
End of Day	14:50	97 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 2 water trucks, 1 excavator, 1 dozer, 1 blade, 1 skip, haul trucks. Approximately 15 personnel. Hauling sediment and removing emergent vegetation.

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

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

**List of species observed while monitoring:**

bewr, lego, spto, cora, sosp, coye, calt, western toad, side-blotched lizard, coastal whiptail, gull sp.

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

**Log Entry**

0640 arrived onsite

0700 began clearing along ESA fence near alta dena drain

1000 began clearing near old truck ramp to prepare for new haul route. relocated 15 western toads, 1 side blotched lizard and 1 coastal whiptail.

1420 completed vegetation removal for the day, conducted final sweep

1450 biologist left site

**Additional Comments**

N/A

**Signature**





photo\_1-esa fence prep.jpg  
-118.17365 34.18729



photo\_2-esa fence installation.jpg  
-118.17358 34.18693

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Jul 31, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	70 °F	0-3 MPH	0 %
End of Day	14:30	97 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Monitor vegetation removal with Victor on skip loader

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

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

**List of species observed while monitoring:**

CALT SOSP HOFI CASJ BLPH LEGO red-crowned parrot, desert cottontail, California ground squirrel, western toad

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

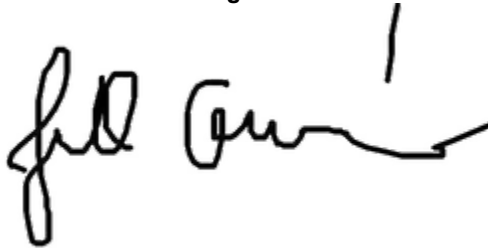
**Log Entry**

Monitored vegetation removal in the south east corner With Victor on skip loader. Relocated about 15 western toads.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'Jill Coumoutso', with a vertical line drawn above the name.





**Vegetation\_removal\_facingS.jpg**  
-118.17372 34.18634



**Vegetation\_removal\_facingS.jpg**  
-118.17435 34.1861

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Jul 31, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:49	70 °F	0-3 MPH	0 %
End of Day	15:23	100 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company, 2 excavators, 1 skip, 1 dozer, 1 blade, 2 water trucks. hauling sediment and removing emergent vegetation

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

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

**List of species observed while monitoring:**

bewr, casj, caqu, parrots, sosp, anhu, laz, coye, hofi, western toad, side-blotched lizard, cora, calt, deer mouse, norway rat

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

**Log Entry**

0640 arrived onsite. began monitoring excavator removing emergent vegetation at southeast end. Relocated approximately 40 western toads, 1 side-blotched lizard, 2 deer mice  
1500 clearing done for the day, biologist does final sweep and leaves site

**Additional Comments**

N/A

**Signature**





photo\_1-excavator clearing vegetation.jpg  
-118.17369 34.18681



photo\_2-excavator clearing vegetation.jpg  
-118.17454 34.1867





photo\_3-work area post removal.jpg  
-118.17427 34.18635



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: Aug 3, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:15	70 °F	0-3 MPH	0 %
End of Day	14:00	90 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Vegetation clearing with Victor on skip loader

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

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

**List of species observed while monitoring:**

Western toad, deer mouse, CORA, CALT

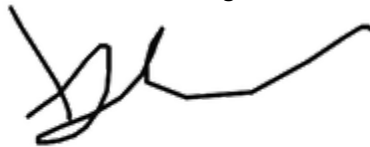
**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700-1400 monitored vegetation clearing. No sensitive species observed.

**Additional Comments**

Signature





**Vegetation\_clearing\_facingNE.jpg**  
-118.17401 34.18631



**During\_vegetation\_clearing\_facingNE.jpg**  
-118.1753 34.18635

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Aug 3, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:12	60 °F	0-3 MPH	0 %
End of Day	15:11	89 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 2 excavators, 1 skip, 2 water trucks, 1 blade, approximately 15 personnel, hauling sediment and removing emergent vegetation

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

Yellow warbler

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

**List of species observed while monitoring:**

casj, lego, hofi, lazby, calt, western toad, cora, amcr, side-blotched lizard, blph, spto, deer mouse, cottontail

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

**Log Entry**

0615 arrived on site to train new monitor.

0700 began observing vegetation removal, relocated approximately 45 western toads and 2 deer mice.

1450 work completed for day; biologist conducted final sweep of site.

1510 biologist left site

**Additional Comments**

N/A

**Signature**





**photo\_1-excavator removing vegetation piles.jpg**  
-118.17396 34.18673



**photo\_2-excavator removing vegetation.jpg**  
-118.17496 34.18601



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Aug 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:20	64 °F	0-3 MPH	100 %
End of Day	15:10	85 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 2 excavators, 1 dozer, 1 blade, 1 skip, 3 water trucks. haul trucks. Approximately 15 personnel, hauling sediment and removing emergent vegetation

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

Yellow warbler

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

**List of species observed while monitoring:**

modo, cora, lego, anhu, alhu, yewa, sosp, calt, casj, bars, western toad, western fence lizard, deer mouse, hofi, blph

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

**Log Entry**

0620 arrived on site and checked on lego nests on west side. at least 1 still active.

0705 began monitoring vegetation and boulder removal west of scale house. relocated 2 western fence lizards, 6 western toads and 1 deer mouse

0900 moved to SW corner to remove vegetation piles and emergent vegetation

1200 completed mowing in SW corner, removing vegetation piles

1400 resumed mowing

1500 work done for the day

1510 biologist left site

**Additional Comments**

N/A

**Signature**





photo\_1-excavator and skip moving boulders.jpg  
-118.17555 34.18966



photo\_2-sediment hauling activities.jpg  
-118.17565 34.18935

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: Aug 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	66 °F	0-3 MPH	100 %
End of Day	15:00	84 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing
2. Excavator, skip loader, water truck
3. George, Victor, Willie

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

YEWA

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

**List of species observed while monitoring:**

NUWO, YEWA, SOSP, CASJ, AMCR, TRES, western toad, western fence lizard, PSFL, CALT

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

**Log Entry**

0700 monitored vegetation clearing.  
1500 work done

**Additional Comments**

Signature







**Vegetation\_clearing\_facingSW.jpg**  
-118.17647 34.18689



**Vegetation\_clearing\_facingS.jpg**  
-118.17679 34.18704



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Aug 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	63 °F	0-3 MPH	100 %
End of Day	11:41	71 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 2 excavators, 1 dozer, 1 skip, 1 blade, 3 water trucks, approximately 15 personnel. hauling sediment and removing emergent vegetation

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

Yellow warbler

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

**List of species observed while monitoring:**

bewr, calt, lego, yewa, bush, parrots, california ground squirrel, western fence lizard, spto, anhu, atfl, sosp, cora, clsw, rsha, psfl, casj, hofi, nuwo, modo, coyote, cottontail, caqu

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

**Log Entry**

0645 arrived onsite

0700 began working with excavator to remove vegetation in SW corner.

0830 left other monitor with excavator and began updating/deactivating previously active nests around perimeter

1140 left site, other monitor Jen Kendrick is monitoring work activities

**Additional Comments**

N/A

**Signature**





**photo\_1-excavator removing vegetation.jpg**  
-118.17644 34.18685



**photo\_2-sediment hauling activities.jpg**  
-118.17644 34.18686

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: Aug 6, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	66 °F	4-6 MPH	100 %
End of Day	15:00	87 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing
2. Excavator, skid, water truck
3. Victor, Willie, George

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

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

**List of species observed while monitoring:**

BUSH, HOFI

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

**Log Entry**

0700 monitored vegetation clearing. No special status species observed.

**Additional Comments**

No

**Signature**





**Vegetation\_clearing\_facingNW.jpg**  
-118.17666 34.18758



**Vegetation\_clearing\_facingSE.jpg**  
-118.17587 34.18688



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: Aug 7, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	57 °F	0-3 MPH	0 %
End of Day	14:00	84 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing
2. Excavator, water truck
3. George, Willie

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

YEWA

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

**List of species observed while monitoring:**

LEGO, AMCR, PSFL, YEWA, BUSH, desert cottontail, western toad, coyote

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

**Log Entry**

0700 monitored vegetation clearing. 1400 vegetation clearing completed.

**Additional Comments**

**Signature**

A handwritten signature in black ink, appearing to be 'Jen Kendrick', written in a cursive style.



**Vegetation\_clearing\_facingSE.jpg**  
-118.17623 34.18681



**Vegetation\_clearing\_facingE.jpg**  
-118.17612 34.18683

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	64 °F	0-3 MPH	0 %
End of Day	15:00	90 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Monitored vegetation removal with Thomas on skip loader and with excavator

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

Yellow warbler

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

**List of species observed while monitoring:**

BUSH OCWA PSFL ANHU COYE YEWA red-crowned parrot HOFI CAQU western toad, California vole, Norway rat western fence lizard, desert cottontail

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

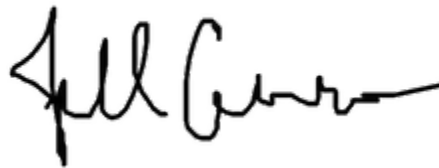
**Log Entry**

0700 checked on 3 LEGO nests along ESA fence line, southwest of scale house to see if still active. Watched area and saw no nest activity there. presumed all have fledged due to timing. Monitored vegetation removal in southwest corner with both Thomas on skip loader and with the excavator which was required for the steep slopes. Relocated 3 western toads and a California vole.

**Additional Comments**

N/A

**Signature**





Vegetation\_removal\_facingN.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	57 °F	0-3 MPH	0 %
End of Day	15:00	88 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Vegetation debris removal with Thomas on skip loader

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

Yellow warbler

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

**List of species observed while monitoring:**

YEWA CALT CAQU SOSP HOFI PSFL CORA red-crowned parrot, western toad, western fence lizard

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

**Log Entry**

Vegetation removal with Thomas on skip loader

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read 'Jill Coumoutso', written in a cursive style.



**Vegetation\_pile\_removal\_facing\_SE.jpg**  
-118.17623 34.18656



**Excavation\_facing\_E.jpg**  
-118.17568 34.18708

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: Aug 12, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:53	63 °F	0-3 MPH	0 %
End of Day	15:00	99 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing
2. Skip loader
3. Thomas, Griffith Company

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

YEWA

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

**List of species observed while monitoring:**

YRWA, CALT, CASJ, YEWA, CAQU, NOFL, HOFI, BLPH, SPTO, SOSP

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

**Log Entry**

0700 monitored vegetation clearing.  
1500 crew finished for the day.

**Additional Comments**

**Signature**





**Vegetation\_clearing\_facingW.jpg**  
-118.17288 34.18933



**Vegetation\_clearing\_after\_facingN.jpg**  
-118.17287 34.18906





Vegetation\_clearing\_during.jpg  
-118.17295 34.19195

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: Aug 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	76 °F	0-3 MPH	80 %
End of Day	15:00	95 °F	MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing
2. One skip loader
3. Thomas, Griffith Company

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

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

**List of species observed while monitoring:**

CASJ, CALT, LEGO, VESP, NUWO, ANHU, SPTO, AMCR, SOSP

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

**Log Entry**

0700 monitored vegetation clearing.  
1500 crews completed work for the day.

**Additional Comments**

Signature





**Vegetation\_clearing\_facingNE.jpg**  
-118.1738 34.19115



**Vegetation\_clearing\_facingW.jpg**  
-118.17213 34.19225

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	80 °F	0-3 MPH	100 %
End of Day	15:00	97 °F	0-3 MPH	5 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with Thomas on the skip loader

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

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

**List of species observed while monitoring:**

SOSP BEWR ALHU ANHU CASJ CORA LEGO HOFI red-crowned parrot, dusky-footed woodrat, western whiptail, desert cottontail, western fence lizard

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

**Log Entry**

Monitored vegetation removal for ESA fence line near air quality station with Thomas on skip loader

**Additional Comments**

N/A

**Signature**







**Vegetation\_clearing\_facingN.jpg**  
-118.173 34.19224



**Vegetation\_removal\_ESA\_fenceline\_facingN.jpg**  
-118.17241 34.1928



Installation\_ESA\_fenceline\_facingW.jpg  
-118.17241 34.1928

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: Aug 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:48	72 °F	0-3 MPH	80 %
End of Day	15:06	95 °F	4-6 MPH	80 %

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

Construction Monitoring

**Construction Activity:**

Griffith Company 3 water trucks, 1 excavator, 1 skip, 1 blade, 1 dozer, approximately 15 personnel. hauling sediment and removing emergent vegetation

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

Least Bell's vireo

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

male LBVI heard singing at a distance at 0850 am. male singing deep in willow mulefat scrub 100-200 ft west from ESA fence and 300+ feet from work area

**List of species observed while monitoring:**

bewr, amcr, alhu, modo, nuwo, wren, anhu, bush, parrots, bggn, caqu, casj, side-blotched lizard, hofi, lbvi, caki, calt, casj, rtha, rsha, coastal whiptail, western fence lizard, deer mouse

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

**Log Entry**

0648 arrived on site

0710 skip and water truck headed to NW area for emergent vegetation removal. intermittent vegetation removal due to sandy roads/water truck getting stuck

1440 vegetation clearing done for the day, 1 side blotched lizard relocated

1505 biologist left site

**Additional Comments**

smoky hazy day from wildfires

**Signature**







photo\_1- vegetation removal.jpg  
-118.17272 34.19226



photo\_2-area post removal.jpg  
-118.17294 34.1923



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	75 °F	0-3 MPH	60 %
End of Day	15:00	102 °F	0-3 MPH	35 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal and debris pile removal with Thomas on skip loader

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

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

**List of species observed while monitoring:**

CASJ COHA HOFI CALT BEWR SOSP CORA parrot sp. western whiptail, side-blotched lizard, western fence lizard, southern alligator lizard, California ground squirrel, deer mouse, dusky-footed woodrat

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

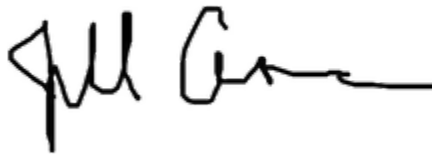
**Log Entry**

Monitored vegetation removal and debris pile removal with Thomas on skip loader near air quality station. Relocated southern alligator lizard, western whiptail, side-blotched lizard, and western fence lizard

**Additional Comments**

N/A

**Signature**





**Vegetation\_removal\_facingW.jpg**  
-118.17254 34.19232



**Vegetation\_removal\_facingN.jpg**  
-118.1724 34.19274

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: Aug 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:46	72 °F	4-6 MPH	50 %
End of Day	15:00	98 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Vegetation clearing
2. Skip (only one)
3. Thomas (Griffith Company)

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

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

**List of species observed while monitoring:**

CASJ, SPTO, LEGO, NUWO, BUSH

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

**Log Entry**

0700 monitored vegetation clearing. 1500 crew finished vegetation clearing.

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to be 'Jen Kendrick', written in a cursive style.



**Vegetation\_clearing\_facingW.jpg**  
-118.17241 34.19186



**Vegetation\_clearing\_after\_facingNW.jpg**  
-118.17268 34.1924



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	72 °F	0-3 MPH	15 %
End of Day	15:00	99 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with Thomas on skip loader

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

Least Bell's vireo

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

Male singing and scolding south of air quality station near ESA fence line

**List of species observed while monitoring:**

RTHA CAQU NUWO ANHU HOFI CASJ CALT WREN parrot sp. deer mouse, side-blotched lizard, western whiptail, western fence lizard

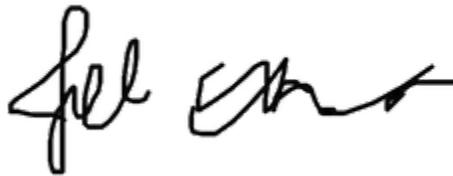
**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Vegetation removal with Thomas on skip loader. Relocated western whiptails, western fence lizard, side-blotched lizard

**Additional Comments**

**Signature**





**Vegetation\_removal\_facingN.jpg**  
-118.17226 34.19247



**Vegetation\_removal\_facingN.jpg**  
-118.17228 34.19248

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	72 °F	0-3 MPH	0 %
End of Day	15:00	93 °F	4-6 MPH	15 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with Thomas on skip loader near air quality station

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

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

**List of species observed while monitoring:**

CASJ BEWR CORA WREN NUWO HOFI SOSP western whiptail, side-blotched lizard, western fence lizard, deer mouse, western toad

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


**Log Entry**

Monitored vegetation clearing and debris pile clearing with Thomas on skip loader near air quality station west side. Relocated western toad, side-blotched lizards, and western whiptails

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read "Jill Coumoutso", with a stylized flourish at the end.



**Vegetation\_removal\_facingNW.jpg**  
-118.1722 34.19264



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	70 °F	0-3 MPH	10 %
End of Day	15:00	90 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Vegetation removal with Thomas on skip loader.

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

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

**List of species observed while monitoring:**

CASJ CORA WREN SOSP CALT red-crowned parrots, western toad, western fence lizard, side-blotched lizard

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

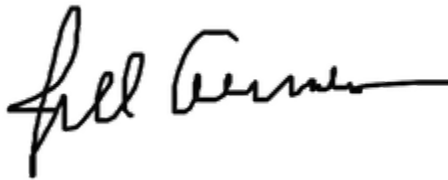
**Log Entry**

Monitored vegetation clearing with Thomas on skip loader in area near air quality station, western edge of ESA fence line. Monitored vegetation clearing just west of water tank on sloped road. Relocated western toads, western fence lizard, side-blotched lizard.

**Additional Comments**

N/A

**Signature**





**Vegetation\_debris\_pile\_removal\_facing\_W.jpg**  
-118.17262 34.19177



**Vegetation\_removal\_facing\_NW.jpg**  
-118.1735 34.18994

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	66 °F	0-3 MPH	5 %
End of Day	15:00	90 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Finish last of vegetation removal with Thomas on skip loader on slope a long road west of water tank. Checked emergent vegetation elsewhere on site for wildlife.

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

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

**List of species observed while monitoring:**

CASJ CORA HOFI red-crowned parrot WREN CALT

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

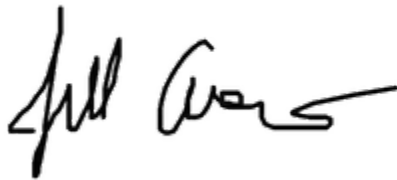
**Log Entry**

Monitor vegetation removal with Thomas on skip loader, check emergent vegetation for wildlife, check area along slopes for wildlife.

**Additional Comments**

N/A

**Signature**





**Excavation\_facing\_SW.jpg**  
-118.17567 34.18826



**Grading\_road\_facing\_E.jpg**  
-118.17568 34.18832



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: Aug 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	68 °F	4-6 MPH	0 %
End of Day	15:00	97 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal
2. Excavator
3. Multiple big rigs, Joe (Griffith Company)

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

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

**List of species observed while monitoring:**

CALT, ANHU, CASJ, CATH, YRWA, SAPH, SPTO, LEGO, CAQU, BLPH, SOSP, FOSP, WREN, ACWO

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

**Log Entry**

0700 monitored sediment removal. At 1500 crews cleared for the day.

**Additional Comments**

**Signature**





**Sediment\_removal\_facingSW.jpg**  
-118.17519 34.18907



**End\_of\_the\_day\_construction\_site\_facingSW.jpg**  
-118.17353 34.18919

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: Aug 27, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:00	70 °F	0-3 MPH	0 %
End of Day	15:00	97 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

1. Sediment removal
2. Trucks and excavator
3. Griffith Company

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

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

**List of species observed while monitoring:**

CASJ, BUSH, ACWO, HOFI, NUWO, CALT, coyote, bobcat

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

**Log Entry**

0645 Conducted sweep of the project site.

0700 Monitored sediment removal.

1500 Crew finished for the day.

**Additional Comments**

Signature





**Sediment\_removal\_facingNE.jpg**  
-118.17289 34.19099



**End\_of\_sediment\_removal\_facingE.jpg**  
-118.17538 34.18873



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	63 °F	0-3 MPH	0 %
End of Day	15:00	91 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

General construction monitoring

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

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

**List of species observed while monitoring:**

ACWO CASJ BUSH CALT HOWR red-crowned parrot, western gray squirrel

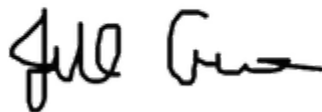
**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

General construction monitoring. Watched excavation and grading with excavator and bulldozer

**Additional Comments**

**Signature**





**Excavation\_facing\_N.jpg**  
-118.17497 34.18932

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Aug 31, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	61 °F	0-3 MPH	0 %
End of Day	15:00	84 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

General construction monitoring work

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

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

**List of species observed while monitoring:**

CASJ CALT ANHU OATI CORA COHA parrots California ground squirrel

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

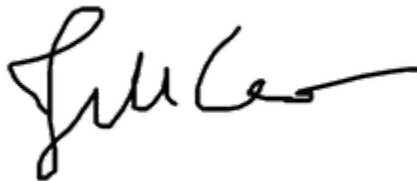
**Log Entry**

General construction monitoring- excavation and grading taking place

**Additional Comments**

N/A

**Signature**





**Excavation\_facing\_NE.jpg**  
-118.1752 34.18953



**Excavation\_facing\_NW.jpg**  
-118.1749 34.18908



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Sep 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	63 °F	0-3 MPH	0 %
End of Day	15:00	85 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

General construction monitoring. I looked for LBVI, but none heard.

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

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

**List of species observed while monitoring:**

GHOW CALT CATH ACWO CASJ WREN HOFI SOSP parrot sp. CORA

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

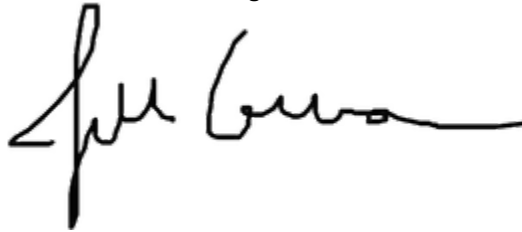
**Log Entry**

General construction monitoring

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'Jill Coumoutso', written in a cursive style.



Excavation\_facing\_W.jpg  
-118.17565 34.18831

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: Sep 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	54 °F	0-3 MPH	10 %
End of Day	15:16	87 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal with bulldozer, wheel loader, grader, excavator, haul trucks, water trucks Griffith Company, Joe (foreman)

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

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

**List of species observed while monitoring:**

green parrot, CORA, MODO, BLPH, CASJ, HOWR, CALT, ALHU, HOFI, WEBL, ANHU, SOSP, desert cottontail, BEWR, BUSH, ACWO, COHA, LEGO, AMRO, CAQU, AMCR western fence lizard, western toad, California ground squirrel, GREG

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

**Log Entry**

0700 monitored sediment removal in the center and southern portions of the work area.

**Additional Comments**

N/A

**Signature**





**photo\_1-preconstruction\_facingNW.jpg**  
-118.17328 34.18768



**photo\_2-sediment removal\_facingN.jpg**  
-118.1731 34.18952





photo\_3-sediment removal\_facingSW.jpg  
-118.17485 34.19022

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumousto**  
**Date of Log: Sep 3, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	61 °F	0-3 MPH	0 %
End of Day	15:00	90 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

General construction monitoring

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

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

**List of species observed while monitoring:**

CAQU CALT BEWR COHA BLPH CASJ CORA MODO western fence lizard, California ground squirrel

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

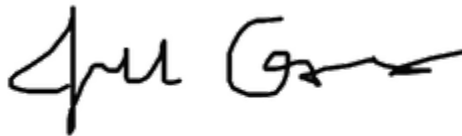
**Log Entry**

General construction monitoring, checked territory for vireo, none seen or heard.

**Additional Comments**

N/A

**Signature**





Excavation\_facingW.jpg  
-118.1733 34.18689

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Sep 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	67 °F	0-3 MPH	0 %
End of Day	12:00	82 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

General construction monitoring

Did you observe any special-status species? ☐ Yes ☒ No

Were any least Bell's Vireo detected? ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA BLPH CALT BUSH CASJ parrot sp.

Did You Observe any Non-Compliance Issues? ☐ Yes ☒ No

**Log Entry**

General construction monitoring

**Additional Comments**

Workday ended early due to the holiday on Monday.

Signature

A handwritten signature in black ink, appearing to read 'Jill Coumoutso', written in a cursive style.





**Sediment\_removal\_facingW.jpg**  
-118.17567 34.18834



**Sediment\_removal\_facingW.jpg**  
-118.17568 34.18831



**Excavation\_facingE.jpg**  
-118.17589 34.18704

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: Sep 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	53 °F	0-3 MPH	100 %
End of Day	15:13	85 °F	0-3 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal with scraper, wheel loader, bulldozer, excavator, 2 water trucks, and multiple haul trucks. Griffith Company - Joe (foreman)

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

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

**List of species observed while monitoring:**

NOMO, CORA, COHA, green parrots, HOFI, MODO, CALT, NRWS, CASJ, ACWO, ANHU, SAPH, LEGO, BUSH, CAQU, BEWR, desert cottontail, California ground squirrel, SPTO, western fence lizard, southern pacific rattlesnake, KILL, BLPH, NUWO, CAKI

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

**Log Entry**

0700 monitored sediment removal

**Additional Comments**

N/A

Signature





**photo\_1-preconstruction\_facing N.jpg**  
-118.17399 34.1867



**photo\_2-sediment removal\_facing S.jpg**  
-118.17362 34.18989





photo\_3-sediment removal\_facing SW.jpg  
-118.17322 34.18832

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: Sep 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	51 °F	0-3 MPH	100 %
End of Day	14:05	86 °F	0-3 MPH	100 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal with scraper, excavator, wheel loader, bulldozer, 2 water trucks, multiple haul trucks. Griffith Company - Joe (foreman)

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

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

**List of species observed while monitoring:**

green parrots, CASJ, CORA, ANHU, LEGO, BUSH, HOFI, AMCR, \_CALT, ALHU, NUWO, BEWR, MODO, NOMO, KILL, CAQU, WTSW, desert cottontail, ACWO, California ground squirrel, BLPH western fence lizard

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

**Log Entry**

0700 monitored sediment removal

**Additional Comments**

N/A

**Signature**





**photo\_1-preconstruction\_facing N.jpg**  
-118.17564 34.18615



**photo\_2-sediment removal\_facing NW.jpg**  
-118.17484 34.18589

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: Sep 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	61 °F	0-3 MPH	100 %
End of Day	15:00	90 °F	0-3 MPH	70 %

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

Construction Monitoring

**Construction Activity:**

General construction monitoring

Did you observe any special-status species? ☐ Yes ☒ No

Were any least Bell's Vireo detected? ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA CASJ BUSH BLPH parrot sp.

Did You Observe any Non-Compliance Issues? ☐ Yes ☒ No

**Log Entry**

General construction monitoring

**Additional Comments**

N/A

Signature







**Excavation \_ facing\_W.jpg**  
-118.1757 34.18835



**Excavation\_and\_hauling\_activities.jpg**  
-118.1762 34.18694

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: Sep 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	61 °F	0-3 MPH	100 %
End of Day	15:34	92 °F	4-6 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal with excavator, scraper, wheel loader, bulldozer, 2 water trucks, multiple haul trucks Griffith Company, Joe (foreman)

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

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

**List of species observed while monitoring:**

ANHU, ACWO, CALT, CORA, MODO, coyote, AMCR, HOFI, LEGO, BUSH, BLPH, CASJ, green parrot, California ground squirrel, desert cottontail, SPTO, BEWR, CAQU, western fence lizard, COHA, side-blotched lizard, CAKI, eastern fox squirrel, RTHA

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

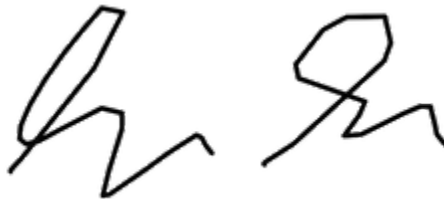
**Log Entry**

0700 monitored sediment removal

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to be 'Shannan Shaffer', written in a cursive style.



**photo\_1-20200915\_preconstruction\_facing W.jpg**  
-118.17327 34.18766



**photo\_2-20200915\_sediment removal\_facing W.jpg**  
-118.17411 34.18713



photo\_3-20200915\_sediment removal\_facing NE.jpg  
-118.17336 34.19169



photo\_4-20200915\_site overview\_facing N.jpg  
-118.17536 34.18532



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: Sep 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	64 °F	0-3 MPH	100 %
End of Day	09:20	70 °F	0-3 MPH	10 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal with excavator, scraper, bulldozer, wheel loader, 2 water trucks, multiple haul trucks Griffith Company

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

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

**List of species observed while monitoring:**

CORA, green parrot, CALT, LEGO, CASJ, HOFI, BUSH, ANHU, AMCR, MODO, COHA, desert cottontail, ACWO, CAQU

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

**Log Entry**

0640 twice weekly site monitoring visit

**Additional Comments**

N/A

**Signature**





photo\_1-20200918\_sediment removal\_facing W.jpg  
-118.17437 34.18601

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: Sep 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:48	59 °F	0-3 MPH	100 %
End of Day	09:23	64 °F	0-3 MPH	0 %

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

Construction Monitoring

**Construction Activity:**

Sediment removal with scraper, wheel loader, excavator, bulldozer, 2 water trucks, multiple haul trucks (Griffith Company)

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

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

**List of species observed while monitoring:**

Green parrots, CORA, SPTO, CASJ, CALT, WREN, ANHU, BUSH, AMCR, LEGO, HOFI, MODO, CAQU, KILL, ALHU, NRWS, WTSW, OATI

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


**Log Entry**

0650 twice weekly site check

**Additional Comments**

N/A

Signature





photo\_1-20200921\_sediment removal\_facing SW.jpg  
-118.17347 34.18896



photo\_2-20200921\_sediment removal\_facing W.jpg  
-118.17348 34.1888



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischler**  
**Date of Log: Sep 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:50	51 °F	0-3 MPH	0 %
End of Day	09:30	75 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Twice weekly compliance inspection.

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

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

**List of species observed while monitoring:**

RTHA, AMCR, BLPH, EUST, MODO, parrots, HOFI, BRSP, KILL, SOSP, LEGO, BTPI, COYE, CALT, savannah sparrow, ALHU, BUSH, cottontail, California ground squirrel, CASJ, BEWR, BGGN, WCSP, SAPH, CAQU, domestic horse (s), ANHU, CATH, ACWO, SPTO, OATI, gopher, HUVI, western fence lizard

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

**Log Entry**

0700 haul trucks arrived, excavators loading in western and central portions of basin.

0747 minor amount of loose trash noted around staging area and stockpiled boulders in eastern portion.

0800 horse scat within northern portion of project limits.

0825 orange snow fencing partially down in NW corner

0930 departed from site.

**Additional Comments**

N/A

**Signature**





Trash\_at\_boulders\_facingW.jpg  
-118.176 34.20179



Staging\_area\_more\_trash.jpg





NW\_corner\_facingN.jpg  
-118.1668 34.19925





Trash\_at\_boulders\_facingN.jpg  
-118.17405 34.18524

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischler**  
**Date of Log: September 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	59 °F	0-3 MPH	0 %
End of Day	22:00	74 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Red flag warning until 5pm. Only Griffith foreman (Joe) and 2 laborers and County on site. No heavy equipment operations today. Nature's Image restoration crew working along west side.

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

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

**List of species observed while monitoring:**

AMCR, BLPH, EUST, parrots, LEGO, KILL, BEWR, COYE, CATH, SOSP, ALHU, RTHA, WCSP, CASJ, BUSH, cottontail, horse (tracks within south portion of basin), SPTO, CALT, HOFI, CAQU, NOMO, BGGN, ANHU, YEWA\*, side-blotched lizard, NUWO, HOWR, COHA, western fence lizard, California ground squirrel, OATI, HUVI, coyote (den in SW portion just outside fenceline)

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

**Log Entry**

0700 arrived on site. No operators or equipment running. 4-6 personnel.

0715 Joe informed me that no operations scheduled for today due to red flag warning in effect until 5pm.

0740 informed Joe loose plastic and paper trash was noted on Friday in the parking area east of site and around boulder pile in center of site. He and the 2 laborers will clean as soon they finish what they're working on. Also says may not all be project-related trash since he knows some trash has appeared after workers have left for the day.

0800 only 12 ESA signs partially intact. At least 8 noted on ground along east fence line, 19 on west side, also 4-5 gaps in fence.

0925 mud sluffing off north side of road at rumble plates, horseweed, Jimson weed, mustard, and cocklebur likely covered.

0950 informed Reza at DPW of trash, fence, and slide issues noted today. Lauren will follow up with email and photos for his review. Asked that I let Joe (Griffith) know.

0955 informed Joe of additional issues with ESA fence and mudslide. He will have his guys clean up trash and maintain the fence today

1000 departed from site.

**Additional Comments**

Lauren to send follow-up email with photos to Reza at County.

**Signature**





Looking\_NE\_at\_downed\_fence.jpg  
-118.18047 34.19042



Looking\_NE\_at\_downed\_fence\_\_ESA\_sign.jpg  
-118.1715 34.19709





**Facing\_west\_gap\_in\_fence.jpg**  
-118.17465 34.18893



**Looking\_SW\_mudslide.jpg**  
-118.1606 34.20734



**APPENDIX D**

Habitat Restoration Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jul 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	14:30	73 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman Daniel Holmes continuing hand-pulling/raking in DG-4A grassy area SW of LBVI buffer.

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

Least Bell's vireo, Yellow warbler

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

0720 Alarm chatter briefly heard in coast live oak along road in known LBVI buffer, likely due to bobcat that Daniel and I were observing along the road. Approximate location: 34.191528, -118.176299.

**List of species observed while monitoring:**

Bobcat, male BHCO, LBVI, CATH, SPTO, CALT, BEWR, SOSPO, ACWO, HOOR, MODO, LEGO, COYE, YEWA, HUWI, RSHA, RTHA, NUWO, western harvest mouse, California vole, coastal whiptail, Botta pocket gopher, western fence lizard, BUSH

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

**Log Entry**

0630 monitored vegetation removal in area continued from yesterday.

0700 bobcat wandering out to road, lingers for awhile, hunting, for 10-15 minutes until more visitors show up and it heads back eastward into brush.

0815-0835 Daniel showed me some areas to the south that will be treated after current section.

0930-1100 while workers were clearing grasses with hand tools (rakes, hoes), 1 female western fence lizard got whacked or stepped on and later died; 3 likely western harvest mice and 1 California vole were relocated into nearby brush, unharmed. Several more rodents fled the area on their own.

1210 working along COYE nest buffer, I had to move 5 workers out away from the buffer as COYE seemed slightly stressed and CASJ are hunting for bugs in the uprooted grassland. I underestimated the intensity of the work in this area when I made the buffer yesterday.

1345 the dumpster truck has finally changed out the dumpster after 2 days and crews are stopping pulling vegetation to load stockpiles into new dumpster. I continue to monitor until about 1415 then finish up reporting.

**Additional Comments**

N/A

**Signature**





**During\_hand-pulling\_facingW.jpg**  
-118.17699 34.19073



**After\_hand-pulling\_facingW.jpg**  
-118.17698 34.19069

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	14:35	80 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9, plus foreman Daniel, hand-pulling on west side in DG-5 and clearing vegetation piles in DG-4A.

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

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

**List of species observed while monitoring:**

Bobcat, spotted towhee, Nuttall's woodpecker, common yellowthroat, black phoebe

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

**Log Entry**

0630 Bobcat crossed road going east as I drove to site, near DG-5. Crossed open area where crew had cleared yesterday and into willow thickets. Observed crew hand-pulling in SW corner of DG-5 at edge of LBVI-1 buffer and hauling piled vegetation from yesterday. Natures Image has requested two dumpsters be kept on site to prevent further occurrences of backed up vegetation piles.

0810 Crew found kangaroo rat under vegetation pile being cleared from yesterday. Relocated safely to nearby grassy area in LBVI buffer.

1030 Dumpster full. Replacement scheduled between 1400 and 1600. Crew will finish moving vegetation piles near road in prep for hauling to dumpster.

w1430 dumpster still has not arrived. Crew done pulling/hauling, so monitoring not needed.

**Additional Comments**

N/A

**Signature**







**Before weeding, SW corner of DG-5, facing W.jpg**  
-118.17681 34.19086



**After weeding.jpg**  
-118.1768 34.19076



**After clearing piles from yesterday, facing N.jpg**  
-118.17695 34.19045

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 6, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	66 °F	0-3 MPH	0 %
End of Day	14:45	90 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10, plus foreman Daniel, hauling vegetation piles from last week

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

Yellow warbler

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

**List of species observed while monitoring:**

California towhee, Allen's hummingbird, California scrub jay, California thrasher, yellow warbler, bushtits, house finch

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

**Log Entry**

0630 Quickly inspected piled tarps for new nests from the weekend. No obvious activity, advised crew to take care when lifting piles and moving tarps.

0640 Trained temporary worker, Juan, before starting work.

0815 Found *Oenothera rosea* growing in shaded area along the road. Less than 10 plants, removed.

0845 Crew finished hauling and continued south to hand-pull in DG-4 along the road. Pulling mainly passion flower and perennial pepperweed.

1230 cleared crew to work in southeastern DG-4A area. Weeds are mostly perennial pepperweed and wild radish

**Additional Comments**

N/A

**Signature**







**Crew hauling tarps from previous week to dumpster.jpg**  
-118.17678 34.19063



**Weeding in progress, DG-4, facing E.jpg**  
-118.17738 34.18964





**Before weeding DG-4A, facing N.jpg**  
-118.17745 34.18882



**After weeding, DG-4A, facing N.jpg**  
-118.17742 34.1889

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jul 7, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	50 %
End of Day	14:45	86 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 including foreman Daniel Holmes hand-pulling in DG-4A and DG-4.

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

Yellow warbler

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

**List of species observed while monitoring:**

YEWA female feeding fledgling in work area and 2 males singing nearby (1 north, 1 south of current work area), SPTO, CASJ, BUSH, CALT, PSFL, COYE, ACWO, HOFI, LEGO, HOOR, BEWR, western fence lizard, OATI, CORA, HUWI

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

**Log Entry**

0645 continuing work on patch of pepperweed and wild radish (some hemlock) in willow forest. Mysterious red striped flagging here removed after confirming no active nests in field and in Collector, near old BUSH-2 nest. Work area is along N edge of existing planted area which is under a dense canopy (work area = primarily open canopy). Made two checks at new YEWA nest (YEWA-1) to the north between 1200 and 1400 but no female at nest. But 2 YEWA heard making alarm calls at CASJ during first check.

1400 crews done pulling and starting clean-up, getting remnant live stems. Checking proposed work area for tomorrow for protected resources.

1440 confirmed YEWA-1 nest active with female sitting tight.

**Additional Comments**

N/A

**Signature**







**During\_hand-pulling\_facingN.jpg**  
-118.17725 34.18878



**After\_hand-pulling\_facingN.jpg**  
-118.17736 34.18885

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jul 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	50 %
End of Day	14:35	84 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in DG-4 and DG-4A, continuing same area from yesterday. Primarily pepperweed with occasional hemlock and Hirschfeldia. Amongst native mugwort, sedge, willows and ash (native and nonnative). Area overlaps a previously planted area that is still irrigated.

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

Yellow warbler

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

**List of species observed while monitoring:**

YEWA, HUVI, BEWR, SPTO, HOFI, PSFL, BHGR, BUSH, southern alligator lizard, MODO, ACWO, ALHU, western fence lizard, BTPI, HOOR, western toad, California king snake, BLPH

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

**Log Entry**

0630 crew getting started from same area as yesterday while I nest-search in vegetation ahead of work. Watching HUVI, SPTO, BEWR, YEWA toward east fence edge in open weedy vegetation and in willows/brush; no nesting behaviors seen.

0730 relocated uninjured alligator lizard exposed by worker to an area 60 feet away in YEWA-1 nest buffer.

0915 lots of YEWA alarm calls (male and female) in response to CASJ and myself while surveying proposed work area SE of current work zone; I believe this is due to a YEWA fledgling nearby but I haven't ruled out new nesting.

0950 western toad in moist pepperweed patch relocated to nearby willow from work area. Afternoon: crew is slowly making their way toward E fence with two workers getting nearly there. Lots of dense riparian in between.

1445 crew is back at dumpster loading, cleaning.

**Additional Comments**

N/A

**Signature**







**During\_hand-pulling\_facingN.jpg**  
-118.17728 34.18909



**During\_hand-pulling\_facingS.jpg**  
-118.17722 34.18914





**Starting\_hand-pulling\_facingE.jpg**  
-118.17696 34.18877



**After\_hand-pulling\_facingNE.jpg**  
-118.17697 34.18886

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:45	86 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10, plus foreman Daniel hand-pulling in southern areas of DG-4 and DG-4A

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

Yellow warbler

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

**List of species observed while monitoring:**

Black phoebe, spotted towhee, wren, bushtits, heard male yellow warblers singing near work area but not spotted, oak titmouse

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

**Log Entry**

0645 cleared area for crew to work in DG-4 and DG-4A south of YEWA-1 buffer

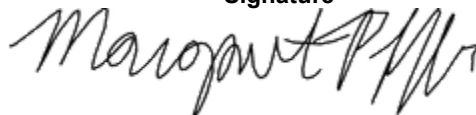
0700 Gave WEEP training to temporary worker (Mario) before he joined the rest of the crew

1030 Crew member discovered bumblebee hive and was stung on the nose. Treated with sting relief pad and Daniel advised those working nearby to wear safety glasses. Observed hand-pulling in two areas. Mostly pepperweed and passion flower near the road and poison hemlock with pepperweed near the ESA fence to the east.

**Additional Comments**

N/A

**Signature**







**Photo 1-weeding in progress, DG-4, facing NW.jpg**  
-118.17736 34.18906



**Photo 2-before weeding in DG-4A, facing E.jpg**  
-118.1769 34.18883





**Photo 3-after weeding, facing NW, same area as photo1.jpg**  
-118.17732 34.18908



**Photo 4-after weeding, DG-4A, facing NE, same area as photo2.jpg**  
-118.17689 34.18876

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	64 °F	0-3 MPH	0 %
End of Day	14:00	88 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10, plus foreman Daniel, hand-weeding in same areas as yesterday in DG-4 along road and DG-4A moving north along east side of YEWA-1 buffer.

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

Yellow warbler

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

**List of species observed while monitoring:**

lesser goldfinch, Allen's hummingbird, spotted towhee, house finch, black phoebe, black headed grosbeak, common yellowthroat, kingbird, yellow warblers (juvenile and adult) in tall willows on southern edge of area cleared Monday

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

**Log Entry**

0800 Small group working near road finished pulling and were moved to work with the second group near the ESA fence. Three crew members instructed to use loppers to cut passionfruit vines to kill overhead growth and prevent resprouting. Crew had previously been pulling vines from native willows but have switched to this less intrusive method.

1015 observed yellow warblers, details above

1045 crew member with spider bite. Daniel called Labor Finders who advised he go to office and be taken to urgent care.

1200 crew near road finished cutting passion flower and moved on to large patch of Himalayan blackberry. Other crew pulling mostly perennial pepperweed with some poison hemlock and wild radish.

1400 Crew stopped pulling early and planned to spend the last hour cleaning up and holding a safety meeting, which did not need monitoring.

**Additional Comments**

N/A

**Signature**







**Photo 1-before weeding, DG-4A, facing W.jpg**  
-118.1713 34.18845



**Photo 2-passionflower vine removal in progress, DG-4 near road, facing E.jpg**  
-118.17758 34.18912





**Photo 3-after weeding, same view as photo1.jpg**  
-118.17671 34.18892



**Photo 4-after cutting passionflower, same view as photo2.jpg**  
-118.17751 34.1891



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	14:45	86 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9, plus foreman Daniel, hand-pulling on south end of DG-4 and DG-4A

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

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

**List of species observed while monitoring:**

House finch, black phoebe, California towhee, spotted towhee, common yellowthroat, Anna's hummingbird, hooded oriole (female), Bewick's wren, San Diego alligator lizard, Nuttall's woodpecker, California scrub jay, oak titmouse

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

**Log Entry**

Morning: Crew working in same areas as last week: DG-4A between YEWA-1 buffer and ESA fence (mostly pepperweed), Himalayan blackberry patch along road in DG-4, and small area of DG-4 near planted sections where yellow jackets prevented work Friday afternoon (mostly pepperweed).

1200 crew finished pulling Himalayan blackberry patch and moved to join other crew in DG-4 moving south  
1230 two more crew stung by yellow jackets. Gave sting relief pads and Daniel cleared them to continue work  
1430 Crew stopped pulling and spent remaining time cleaning up and hauling vegetation tarps

**Additional Comments**

N/A

**Signature**





**Photo 1-before weeding in DG-4A, east of YEWA-1, facing N.jpg**  
-118.17657 34.18917



**Photo 2-before weeding in DG-4, facing N.jpg**  
-118.17722 34.18868





**Photo 3-after weeding, same view as photo1.jpg**  
-118.17655 34.1891



**Phot 4-after weeding, same view as photo2.jpg**  
-118.17726 34.18868

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jul 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	100 %
End of Day	14:53	87 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 including foreman Daniel Holmes hand-pulling in DG-4 and DG-4A.

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

Yellow warbler

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

One LBVI silently foraging near YEWA-1 nest site (34.189503°N 118.177044°W) at about 1300 hrs.

**List of species observed while monitoring:**

SPTO, PSFL, YEWA, BEWR, BUSH, HOFI, western fence lizard, coastal whiptail, BLPH, BHGR, HOOR, western toad, HUVI, ALHU, LBVI, CORA, CALT, LEGO

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

**Log Entry**

0630 staging vehicles at south end of Hahamongna access road.

0715 almost immediately after getting started, yellow jacket attack. One person with several stings; I provided some mild topical sting pads from first aid kit and icepack; Daniel headed to drugstore for hydrocortisone cream, etc.

0830 more yellow jackets in area already partially treated; crews moving to different areas. Crews splitting up: some working under willow canopy, some along alluvial scrub near fence.

0930 confirmed COYE nest inactive/fledged.

1300 failed to locate YEWA nest (YEWA-1), though female and male were seen. Previously described nest by Werner was likely HOFI. Will attempt to locate again tomorrow morning.

1415 crew finishing up hand-pulling, then removal of stockpiles.

**Additional Comments**

N/A

**Signature**







**Starting\_hand-pulling\_facingE.jpg**  
-118.177 34.18861



**Hand-pulling\_facingSW.jpg**  
-118.17663 34.18882





**During\_hand-pulling\_facingN.jpg**  
-118.17655 34.18891



**After\_hand-pulling\_facingE.jpg**  
-118.17704 34.18859

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jul 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	15:00	87 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 with foreman Daniel Holmes hand-pulling in DG-4 at southwest corner of project area.

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

Least Bell's vireo, Yellow warbler

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

Silent LBVI (brief chatter for literally a few seconds) foraging near YEWA-1 nest site (34.1895432, -118.1767680).

**List of species observed while monitoring:**

YEWA, PSFL, SPTO, COYE, CASJ, BEWR, CALT, big-eared woodrat, HUWI, western fence lizard, LBVI, HUWI, HOFI, BHGR, BLPH, NUWO, HOWR, LEGO

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

**Log Entry**

0630 starting in dense canopy area by new footbridge. Weeds consist primarily of Virginia creeper vines that form dense mats. Existing plantings in this area (Cal blackberry, coyote brush, mugwort, wild rose, etc). Crews are advised to leave woodrat middens intact.

1030-1115 looked at YEWA-1 again. No nest seen but male and fem YEWA seen, mobbing CASJ. They may be renesting SW of YEWA-1. SPTO fledgling being fed SW of YEWA-1. This area is a bird hotspot, perhaps due in part to the abundant flowering pepperweed. Silent LBVI seen here as well.

**Additional Comments**

photos 3 and 4 were added from outside app

**Signature**







**Before\_hand-pulling\_facingE.jpg**  
-118.18583 34.19819



**After\_hand-pulling\_facingE.jpg**  
-118.17729 34.18839





**Before\_hand-pulling\_facingS.jpg**  
-118.17714 34.1884



**After\_hand-pulling\_facingS.jpg**  
-118.17722 34.18811

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	0 %
End of Day	14:15	81 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9, plus foreman Daniel, hand-pulling in south area of DG-4

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

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

**List of species observed while monitoring:**

Spotted towhee, house wren, lesser goldfinch, common yellowthroat

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

**Log Entry**

0720 Crew member stung by yellow jackets

1245 Two crew members saw what they think was a CA king snake moving across the trail just below the road. But when Daniel and I arrived, we could not locate it. Observed hand-weeding along old forest road in the south of DG-4. Weeds controlled were mainly Himalayan blackberry, passionflower, and perennial pepperweed.

1415 Crew stopped pulling and will spend remaining time cleaning up and dumping vegetation in dumpster.

**Additional Comments**

N/A

**Signature**







**Photo 1-before weeding, DG-4, facing S.jpg**  
-118.17759 34.188



**Photo 2-before weeding Himalayan blackberry, facing S.jpg**  
-118.17743 34.18789





**Photo 3-after weeding, DG-4, same view as photo1.jpg**  
-118.17769 34.18797



**Photo 4-after clearing Himalayan blackberry, same view as photo2.jpg**  
-118.17745 34.18789



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	0 %
End of Day	14:00	80 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9, plus foreman Daniel, hand-pulling in DG-4 with one group working in planted area on eastern edge and the other (5) working in the YEWA-1 buffer.

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

Least Bell's vireo

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

Observed one juvenile LBVI preening and foraging high in a willow near the road on the northeast edge of the buffer. Observed for 5 minutes starting at 0645. Did not see another LBVI for remainder of the day.

**List of species observed while monitoring:**

LBVI, house finch, California towhee, common yellowthroat, common raven, Anna's hummingbird, lesser goldfinch

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

**Log Entry**

First time working in the removed LBVI-1 buffer. Per ECORP, only 5 crew members can work in the buffer at a time, so remaining 4 are working nearby but outside.

0940 Break in irrigation in north of DG-4, reported by Christine T from ECORP. Sent Daniel and one crew member to address it. Weeds removed were mostly perennial pepperweed and poison hemlock.

**Additional Comments**

N/A

**Signature**





**Photo 1-before weeding, inside buffer, facing SW.jpg**  
-118.17524 34.19074



**Photo 2-weeding started in DG-4 outside buffer.jpg**  
-118.17515 34.19043





**Photo 3-after, same as photo1.jpg**  
-118.17525 34.19075



**Photo 4-after, same as photo2.jpg**  
-118.17523 34.19074

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	0 %
End of Day	14:15	81 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9, plus foreman Daniel, hand-pulling in DG-4 and DG-4A.

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

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

**List of species observed while monitoring:**

Bushtit, house finch, common yellowthroat, lesser goldfinch

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

**Log Entry**

Crew working in same areas as previous Friday 7/17, with 5 working inside LBVI-1 buffer and 4 in the planted area to the east in DG-4. The buffer group started moving into DG-4A area as well. Weeds removed are primarily perennial pepperweed with some sand plantain.

**Additional Comments**

N/A

**Signature**







**Photo 1-before weeding DG-4, facing SE.jpg**  
-118.17511 34.19036



**Photo 2-before weeding in buffer, facing SE.jpg**  
-118.17547 34.19081





**Photo 3-after weeding, DG-4, same view as photo 1.jpg**  
-118.17518 34.19045



**Photo 4-after weeding in buffer, same as photo 2.jpg**  
-118.17547 34.19079

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jul 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	0 %
End of Day	14:50	89 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 including foreman Daniel Holmes, hand-pulling in DG-4 etc (south of Hahamongna park dirt lot). 5 workers in LBVI zone, recently released for limited work. The rest are working south of there, near construction fence (see log).

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

Least Bell's vireo

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

Occasional singing and chatter during morning hours about 200 feet north of our work area (34.191145°N 118.175709°W). I attempted to investigate several times but vocalizations were not sustained enough to track down the bird(s) visually.

**List of species observed while monitoring:**

COYE, HOFI, BEWR, HUVI, RSHA, SOSP, BARS, SPTO, MODO, ALHU, ANHU, BLPH, NUWO, ACWO, HOOR, CAQU, coastal whiptail, western fence lizard, side-blotched lizard, LBVI, southern pacific. rattlesnake, LEGO

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

**Log Entry**

0630 gave environmental training to three new workers.

0700 deploying 5 workers to LBVI buffer area, with the rest to area just south. Treated areas are in black willow forest with primary weeds being perennial pepperweed and poison hemlock, with some Hirschfeldia, Indian plantain, one bull thistle, etc.

1045 large southern Pacific rattlesnake crossing dirt road, heading west. I attempted to capture and relocate until I saw how large it was (and warm/active). Discussed with Margie and decided to leave it and move the crews further south (snake was slightly north of current work area. 13 rattle segments, a good 48" long. Last seen at 34.190906, - 118.175463, likely headed west toward denser forest/ravine.

1130 after lunch all crews are working further south near or along south side of LBVI buffer, to avoid rattlesnake.

**Additional Comments**

N/A

**Signature**







**Before\_hand-pulling\_facingE.jpg**



**After\_hand-pulling\_interrupted\_facingE.jpg**  
-118.17574 34.19084





**During\_hand-pulling\_facingSW.jpg**  
-118.17544 34.19068



**After\_hand-pulling\_facingSW.jpg**  
-118.17551 34.19062

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jul 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	90 %
End of Day	15:00	83 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 including foreman Daniel Holmes hand-pulling in southwest project area (DG-4, DG-4A). 1 worker left mid-morning.

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

Least Bell's vireo

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

LBVI briefly singing at 0730 within LBVI buffer near dirt access road, near the same LBVI location as yesterday (34.19129, -118.175685).

**List of species observed while monitoring:**

COYE, HOFI, BEWR, HUWI, SOSPI, BARS, MODO, ALHU, ANHU, BLPH, NUWO, HOOR, CAQU, coastal whiptail, western fence lizard, side-blotched lizard, LBVI, LEGO, western toad, CALT, big-eared woodrat middens, WEBL, southern alligator lizard, SPTO, COHA

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

**Log Entry**

0630 crew is working south of LBVI buffer and a crew of 4-5 just inside buffer boundary. Target areas are a section of irrigated willows/mule fat etc with pepperweed, mustard, lamb's quarters, poison hemlock, Dysphania botrys, and two large open-canopy sections primarily composed of pepperweed with a few hemlock. About half of the pepperweed canopy is dead and half green and flowering.

1000 I spooked a male and female COYE pair in a row of willows with understory of poison oak and pepperweed between work crews (vicinity of 34.190096, -118.175561). Searched for about 1 hour but didn't find a nest. After lunch I returned but there were no COYE in the area irritated at me this time; assume no nest there. Relatively quiet birdwise overall today although not as hot as yesterday. Two yellow jacket nests marked with red pin flags but no stings.

1420 crew starts to clean up.

**Additional Comments**

N/A

**Signature**







**Photo\_1\_Before\_hand-pulling\_facingSW.jpg**  
-118.17537 34.18998



**Photo\_2\_After\_hand-pulling\_facingSW.jpg**  
-118.17538 34.19





**Photo\_3\_Before\_hand-pulling\_facingSW.jpg**  
-118.17564 34.19059



**Photo\_4\_after\_hand-pulling\_facingSW.jpg**  
-118.17561 34.1906



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	55 °F	0-3 MPH	100 %
End of Day	15:00	74 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12, plus foreman Daniel hand-pulling in DG-4 and DG-4A

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

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

**List of species observed while monitoring:**

Northern rough-winged swallow, black phoebe, lesser goldfinch, California towhee, California quail, house finch

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

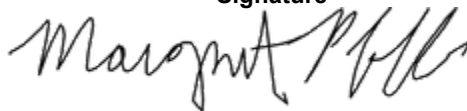
**Log Entry**

0650 Gave WEEP training to temporary worker (Pedro) before starting work. Crew continuing in same areas as previous day with one group working in DG-4A on the east edge of LBVI-1 buffer and the other group continuing south in planted area of DG-4 along ESA fence. Weeds pulled were primarily perennial pepperweed with some sand plantain and chenopodium. Investigated SOSP-2, but did not find a nest. Likely never completed. Two crew members stung by yellow jackets in different areas, given sting relief wipes and cream.

**Additional Comments**

N/A

**Signature**





**Photo 1-before weeding in DG-4 next to ESA fence, facing S.jpg**  
-118.17492 34.1903



**Photo 2-before weeding in DG-4A, facing SE.jpg**  
-118.17551 34.19063





**Photo 3-after weeding, same view as photo 1.jpg**  
-118.17496 34.19029



**Photo 4-after weeding, piled vegetation, same view as photo 2.jpg**  
-118.17553 34.19061

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	100 %
End of Day	14:45	80 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12, plus foreman Daniel, hand-pulling in DG-4 and DG-4A

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

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

**List of species observed while monitoring:**

Black phoebe, common yellowthroat, house wren, California towhee, swallow, bushtit, ash-throated flycatcher

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

**Log Entry**

Crew continuing in planted area on north side of trail started 7/23 afternoon. Another group continuing in planted area of DG-4 in LBVI-1 buffer.

1230 Crew finished detailing planted areas of DG-4 along ESA fence and moved to DG-4A area where it is mostly pepperweed. Heard Tom Sawyer campers in adjacent area and went with Daniel to investigate. They left and we confirmed no plants were damaged. Later talked with camp directors who reassured us that they would keep counselors out of ESAs.

**Additional Comments**

N/A

**Signature**







**Photo 1-before weeding, N side of trail, taken end of 7-23.jpg**  
-118.17506 34.19032



**Photo 2-before weeding planted area in buffer, facing W.jpg**  
-118.17552 34.19093





**Photo 3-after weeding, same as photo 1.jpg**  
-118.17517 34.19041



**Photo 4-after weeding, same view as photo 2.jpg**  
-118.17665 34.19143

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 27, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	0 %
End of Day	14:40	82 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12, plus foreman Daniel, hand-pulling in DG-4 and DG-4A.

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

Yellow warbler

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

**List of species observed while monitoring:**

Yellow warbler, black phoebe, Bewick's wren, Anna's hummingbird, bushtits, California towhee, barn swallow, California quail, spotted towhee, house finch, acorn woodpecker

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

**Log Entry**

0645 Brief sighting of a male YEWA foraging in a willow then flew into a nearby cottonwood

0700 Gave WEEP training to temporary worker (Cleo) before starting work

1000 Crew member exposed to poison oak. Gave him technu and he was able to change into a clean shirt and gloves. Reconfirmed new crew knows how to recognize poison oak. Crew member left at 1310 after developing rash on his forearm.

1030 Daniel not feeling well, decided to go home and get tested. Left D in charge.

1250 crew member found a dead bird (possibly a juvenile quail) next to the trail where the crew had been working. The immediate area had not been disturbed as it was directly next to a patch of poison oak. I think it perished naturally and not as a result of the crew's activities. Observed 5-person crew complete planted area of DG-4 and pocket of DG-4A along the west side of trail (primarily perennial pepperweed with mustard) while remaining crew continued in open field in DG-4A (dominated by pepperweed). All crew moved to DG-4A after second break.

**Additional Comments**

N/A

**Signature**





**Photo 1-before hand-pulling, DG-4A, facingW.jpg**



**Photo 2-before weeding, DG-4A along road, facing W.jpg**  
-118.1755 34.19039





**Photo 3-after clearing, same view as photo 1.jpg**  
-118.17528 34.19113



**Photo 4-after weeding, DG-4A, same as photo 2.jpg**  
-118.17542 34.19038

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jul 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	0 %
End of Day	15:00	89 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 including foreman Daniel Holmes, hand-pulling in SW area of reservoir. DG-4 and DG-4A areas.

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

Least Bell's vireo, Yellow warbler

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

0730-0810 followed singing LBVI and second (female?) bird foraging in willows and mulefat, they slowly made their way from the approximate center of the LBVI buffer southward to about 34.1904772, -118.1752254 (just northwest of construction fence). No nesting behavior, good lengthy observations. 0842 I heard some chatter from near coordinates above and this was the male, which sang briefly until flying back north at 0852. 1240 brief singing coming from territory center heard from parking lot.

**List of species observed while monitoring:**

HOPI, CALT, ANHU, YEWA, BEWR, BUSH, BLPH, COYE, LBVI, BARS, ALHU, HOOR, CASJ, western fence lizard, side-blotched lizard, California king snake, big-eared woodrat (middens and 3+ scurrying rats), COYE fledgling at 34.1905970, -118.1753427, close to where I was following pair last week.

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

**Log Entry**

0630 crew of 5 starts hand-pulling around road turn-off within LBVI buffer, which is permitted. 6 workers continue hand-pulling in weedy field on S side of LBVI buffer (after I inspected areas for sensitive biological resources). These areas are primarily perennial pepperweed with poison hemlock, and mustards. Roadside area also has Lactuca serriola and an undersotry of tocalote.

0730-0810 followed LBVI, see above. Then monitored both crews and looked for nests/nesting behavior ahead of the work.

1045 crew alerted me to California king snake near above turn-off; I handled the docile snake and showed the workers, then relocated it 200 feet to west in thicker brush away from the work.

1300 southern crew getting into drainage with willow canopy and dense groundcover of pepperweed.

1445 crews are done pulling; stockpiles left on-site because dumpster is full and no replacement today.

**Additional Comments**

N/A

**Signature**







**Photo\_1-during\_hand-pulling\_facingSW.jpg**  
-118.17565 34.1903



**Photo\_2-after\_hand-pulling\_facingSW.jpg**  
-118.17566 34.1903





**Photo\_3-during\_hand-pulling\_facingSW.jpg**  
-118.17511 34.19116



**Photo\_4-after\_hand-pulling\_facingSW.jpg**  
-118.17511 34.19117



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Jul 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	15:00	91 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 including foreman Daniel Holmes hand-pulling in SW section of reservoir.

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

Least Bell's vireo

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

0650 LBVI briefly singing in coast live oak 34.191163°N 118.176847°W within east edge of buffer as crews start weeding buffer area. 0730-830 singing male foraging around old nest site and edge of weed-pulling area, I'm tracking it to see if any nesting behavior. Male heard singing in vicinity of nest site throughout the day.

**List of species observed while monitoring:**

CALT, SPTO, OATI, LBVI, CASJ, BEWR, HOFI, BGGN, CAQU + fledglings, MODO, LEGO, western fence lizard, ACWO, BHGR, CATH, side-blotched lizard, SOSPO, California ground squirrel, Botta's pocket gopher

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

**Log Entry**

0630 crew of 5 hand-pulling along access road in southwest sector of LBVI, starting in planted area with non-native grasses, Melilotus, Amaranthus, chicory, Carduus, Conium, etc. Ground under dead grasses is also dense with Medicago burr seeds but won't be able to rake them all up realistically. Rest of crew bagging up yesterday's bundles for dumpster.

0900 the rest of crew (7+ Daniel) is creating line along SE edge of LBVI and working south, away from buffer in field started yesterday (34.190705°N 118.175004°W) to ensure only 5 crew members in total were within buffer.

0930 attempted to clear a narrow path with Daniel and one worker through LBVI buffer to better access crews on either side but woody vegetation is too dense on west side to bother. Afternoon: crews continue to work in same areas; hot weather; low bird activity; no new nesting suspected. Crews stop pulling at 1440. Many stockpiles left in the field due to flakey dumpster service.

**Additional Comments**

N/A

**Signature**





photo\_1\_before\_hand-pulling\_facingSE.jpg  
-118.17692 34.191



photo\_2\_after\_hand-pulling\_facingSE.jpg  
-118.1769 34.19101



photo\_3\_after\_hand-pulling\_facingSE.jpg  
-118.17507 34.19102



photo\_4\_hand-pulling\_SE\_edge\_LBVI\_buffer\_facingSE.jpg  
-118.17509 34.191



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	0 %
End of Day	14:35	95 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11, plus foreman Daniel, hand-pulling in DG-5, DG-4A, and DG-4.

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

Yellow warbler

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

**List of species observed while monitoring:**

California quail, California towhee, yellow warbler, song sparrow, Anna's hummingbird, desert cottontail, mourning dove, house finch

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

**Log Entry**

0630 Crew working in 3 groups: 5 finishing DG-5 in vireo section (annual non-native grasses), 3 in planted area of DG-4 at south end of parking area (pigweed, mustard, and pepperweed), and 3 in pepperweed field in DG-4A on NE end of trail.

0700 Female yellow warbler foraging in DG-4, then flew into taller trees across the road


0830 crew finished planted area of DG-4 and moved over to DG-4A area after break

1030 crew paused pulling to focus on tarping/hauling piled vegetation while myself and Daniel went to the mining pit to meet with project partners. Crew stopped pulling at 1430.

**Additional Comments**

N/A

Signature







**Before weeding, DG-4A, facing SE.jpg**  
-118.1712 34.18961



**DG-4, weeding in progress, facing W.jpg**  
-118.17531 34.19188



**After weeding, more to do.jpg**  
-118.17515 34.191



**After weeding, DG-4.jpg**  
-118.17533 34.19188

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Jul 31, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	71 °F	0-3 MPH	0 %
End of Day	14:45	97 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (11) with foreman Daniel hand-pulling in DG-4 and DG-4A

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

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

**List of species observed while monitoring:**

NUWO, CATO, BUSH, ANHU, LEGO, Icterus sp., ALHU, BGGN, COYE, HOFI, desert cottontail, gopher, ACWO, CASJ, BLPH, BEWR, CATH

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

**Log Entry**

0630 Safety meeting with reminders on COVID and heat warning protocols

0645 Group of 5 starting in planted area along road in NW LBVI section. Other group starting just south of buffer moving E into old YEWA-1 buffer.

1030 Equestrian reported a disconnected irrigation line in north section. Daniel & D went to repair it and check others nearby. Three crew members left in afternoon. Two planned, other due to heat.

1145 Moved both groups to shaded area near YEWA-1 nest, DG-4A. Mostly pepperweed with wild radish and poison hemlock

1405 crew member found single egg on ground while weeding. No visible nest nearby or above. Looks non-viable. Allowed work to continue.

1430 crew stopped pulling. Have to leave piled vegetation because dumpster is full and will not be replaced until Monday.

**Additional Comments**

N/A

**Signature**







**Photo 1-before weeding, DG-4.jpg**  
-118.17621 34.1919



**Photo 2-before weeding, edge of old YEWA-1 buffer, facing E.jpg**  
-118.17674 34.19068





**Photo 3- after weeding same as photo 1.jpg**  
-118.17616 34.1919



**Photo 4-after weeding, piled vegetation due to full dumpster.jpg**  
-118.17682 34.19071

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Aug 3, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	66 °F	0-3 MPH	0 %
End of Day	14:40	87 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (8) led by Daniel hand-pulling in southern DG-4 and DG-4A.

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

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

**List of species observed while monitoring:**

SOSP, LEGO, CALT, CATH, CASJ, NUWO, HOFI, BLPH

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

**Log Entry**

Observed crew hand-pulling in same area as Friday afternoon, focusing on planted area of DG-4. Weeds were primarily perennial pepperweed with some hemlock and wild radish

0815 Checked several protective plant cages and found some native annuals among weeds, but not the container plants. Asked crew to remove cages until plants are replaced.

1210 Two crews sent to check all irrigation timers on west side for 2 hours

1340 Crew member with irritant stuck in his eye, Daniel assisted with eye drops and flushing. Returned to work 30 minutes later.

1400 Dumpster replaced, crew is leaving vegetation piled from Friday and today until tomorrow. Stopped pulling and begin cleaning up, checking microlines at 1435.

**Additional Comments**

N/A

**Signature**







**Before starting, DG-4 planted area, facing NE.jpg**  
-118.17129 34.18846



**After clearing, with piled vegetation.jpg**  
-118.17675 34.18959

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Aug 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	15:00	85 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 including foreman Daniel Holmes, hand-pulling in SW project area, DG-4. Three workers spent about 5 hours on maintenance instead of weeding.

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

Yellow warbler

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

**List of species observed while monitoring:**

YEWA, ACWO, BEWR, ALHU, BARS, BUSH, SOSP, ANHU, HOFI, NUWO, BLPH, BGGN

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

**Log Entry**

0630 crew resuming work in same area as yesterday: a large open-canopy area within YEWA-1 buffer (released), partially overlapping planted section. Weeds are primarily green pepperweed growth with some poison hemlock, lamb's quarters, etc. After a pre-work survey I advised crews to be aware of black and yellow garden spiders. Sure enough, I translocated several large spiders out of the immediate work area. Bird activity is light. Excavation work is very close to our position which inhibits some bird detection due to noise.

1340 crew done pulling. Now bagging bundles and checking water lines. I go with 2 guys to several locations within LBVI buffer while they inspect drippers.

1445 had to leave about 15 bags of waste near road due to full dumpster.

**Additional Comments**

All photos from same work area.

**Signature**







**Photo\_1\_hand-pulling\_facingS.jpg**  
-118.17651 34.1897



**Photo\_2\_after\_hand-pulling\_facingS.jpg**  
-118.17651 34.18972



photo\_3\_after\_hand-pulling\_facingE.jpg  
-118.17675 34.18964

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Aug 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	100 %
End of Day	15:00	83 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 including foreman Daniel Holmes, hand-pulling in SW project area, DG-4, DG-4A.

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

Least Bell's vireo, Yellow warbler

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

LBVI briefly singing in buffer/territory around 0800 (approx. 34.191561°N 118.176164°W).

**List of species observed while monitoring:**

BLPH, SOSP, BEWR, LBVI, YEWA, LEGO, HOFI, HUVI, CASJ. Big-eared woodrat, coastal whiptail, western fence lizard BGGN

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

**Log Entry**

0630 crew continuing in same areas as yesterday, in/around YEWA-1 buffer. Pulling mostly pepperweed in open areas and into willow forest canopy. 3-5 guys working further to the NE, removing pepperweed under willow canopy, while rest of crew focuses on pepperweed and hemlock closer to the service road.  
1345 woodrat living inside irrigation valve box. Not removed, can escape on own.

**Additional Comments**

N/A

Signature







photo\_1-before\_hand-pulling\_facingNW.jpg  
-118.17675 34.18956



photo\_2-after\_hand-pulling\_facingNW.jpg  
-118.17675 34.1896





**photo\_3-before\_hand-pulling\_facingSE.jpg**  
-118.17658 34.18951



**photo\_4-after\_hand-pulling\_facingSE.jpg**  
-118.17651 34.1895

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Aug 6, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	66 °F	0-3 MPH	100 %
End of Day	14:45	78 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (8), led by Daniel, hand-pulling in DG-4 and DG-4A

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

Yellow warbler

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

**List of species observed while monitoring:**

BLPH, HOFI, CALT, DEJU, CASJ, BUSH, OATI, HOWR, ANHU, NRWS, MODO, female HOOR, BARS, YEWA, WEWP, BEWR, RTHA, SOSP, RSHA

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

**Log Entry**

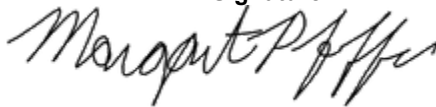
Crew is continuing to hand-pull in the same area of DG-4A as previous day. Weed species are primarily perennial pepperweed with some wild radish and curly dock. Dumpster is still full, so there are dozens of piles throughout the work area.

1015 A pair of yellow warblers and a juvenile, foraging together in willows and mulefat about 100ft from the crew. Observed for approximately 30 minutes. Female hooded oriole foraging and calling nearby, but male not visible. 1430 crew stopped pulling

**Additional Comments**

N/A

**Signature**







**Before clearing, DG-4A, facing E.jpg**  
-118.17681 34.1894



**Large open area of DG-4A to be cleared over next several days, facing S.jpg**  
-118.17662 34.18954



**After clearing, vegetation piled.jpg**  
-118.1766 34.18956



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Aug 7, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	57 °F	0-3 MPH	0 %
End of Day	15:00	84 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in SW project area in DG-4. Actually three of the crew did maintenance until 1315, leaving only six plus foreman conducting weeding.

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

Least Bell's vireo, Yellow warbler

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

LBVI, possible juvenile, foraging and singing broken, unpolished song just south of work area at 34.189444°N 118.176615°W, in area of willows but no understory (formerly pepperweed, now pulled). Also a WAVI in here chasing either another WAVI or second LBVI.

**List of species observed while monitoring:**

YEWA, BEWR, SPTO, CALT, ANHU, ALHU, CASJ, HOFI, BGGN, ACWO, BLPH, NUWO, MODO, BARS, OATI, BUSH, SOSP, LBVI, WAVI, LEGO, AMCR, western fence lizard, side-blotched lizard

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

**Log Entry**

0630 three workers doing irrigation maintenance while five bagging piles in yesterday's work area and two bagging piles at S edge of LBVI buffer.

0900 YEWA fledgling at 34.189606°N 118.177255°W by road, nearby failed YEWA nest and possibly same adults that renested.

0920 currently 4 workers in yesterday's area to S, 2 in LBVI S edge, all rest are at northwest end of restoration area, doing maintenance. I checked on them, met Carley with ECORP, and visited the coyote den that was still wet from a recent leak. No obvious fresh tracks present but soil may be hard/crusty from wetness. In S end where work took place this week, there was more raking and bundling of bags than actual weed pulling. Crews headed back to dumpster at 1440.

**Additional Comments**

Photo 3 has more bags than what is shown in photo 1 because they contain weeds from left of frame, see photo 4.

**Signature**





photo\_1-raking\_bagging\_facingW.jpg  
-118.17674 34.18961



photo\_2-finishing\_up\_bagging\_in\_LBVI\_buffer\_facingE.jpg  
-118.17713 34.19069





photo\_3-after\_raking\_bagging\_facingW.jpg  
-118.17669 34.18958



photo\_4-area\_weeded\_and\_raked\_facingS.jpg  
-118.17679 34.18962

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Aug 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	0 %
End of Day	14:50	84 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (9) led by Daniel, bagging piled vegetation and weeding in patches previously missed in DG-4 and DG-4A.

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

Yellow warbler

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

**List of species observed while monitoring:**

BLPH, LEGO, CALT, YEWA, ALHU, ANHU, SPTO, HOFI, SOSP, BGGN, CORA, ATFL, PSFL, HOOR, CASJ, MODO

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

**Log Entry**

0645 Crew begins tarping vegetation pulled last week and hauling these and tarps from Friday to the truck/dumpster. Expecting two empty dumpsters today.

0710 Briefly saw a female YEWA foraging in an oak near the road where the crew is loading the truck with tarps. Hear male calling from willows near YEWA-1.

0750 4 guys moved to hand-pull pepperweed along trail and poison hemlock along edge of old buffer near patch of evening primrose.

1230 Moved two guys pulling near primrose to a shadier area next to other pair pulling along the trail.

1330 crew finished hauling piles from previous days and joined in hand-pulling. Several eucalyptus re-sprouts cut back.

1440 crew stopped pulling.

**Additional Comments**

N/A

**Signature**







**Tarps left from Friday to be hauled this AM.jpg**  
-118.17687 34.18966



**Vegetation piles to be tarped and hauled.jpg**  
-118.17648 34.18971





**Before weeding, DG-4A, facing N.jpg**  
-118.17696 34.1901



**Section previously missed along trail, facing W.jpg**  
-118.17688 34.18968

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Aug 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	0 %
End of Day	15:00	89 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand-pulling in SW project area: DG-4, DG-4A

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

Least Bell's vireo, Yellow warbler

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

0940 LBVI singing along N edge of nesting buffer near dumpster area (34.191770°N 118.175847°W).

**List of species observed while monitoring:**

HOFI, SOSP, BHGR, CALT, ACWO, ANHU, ALHU, CASJ, BTPI, MODO, LEGO, HOOR, YEWA still singing; 40+ HOFI foraging in adjacent weed-cleared area, western fence lizard, side-blotched lizard, BUSH, BLPH

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

**Log Entry**

0630 Crew continues hand-pulling in same area as yesterday. 5 workers near old YEWA-1 nest getting pepperweed near willows and 3 getting hemlock and pepperweed within primrose stand around old COYE-1 nest.  
1120 dumpster truck arrives, removes full dumpster, delivers empty one, now there is one full and one empty on-site.  
1130 crews are moving from sunny areas (DG-4) to shaded areas under willows (DG-4A) as the heat picks up.  
1445 crew wrapping up, headed to dumpster while I take photos, inspect site, complete daily log.

**Additional Comments**

N/A

**Signature**







photo\_1-DG-4\_starting\_hand-pulling\_facingN.jpg  
-118.17688 34.19005



photo\_2\_DG-4\_DG-4A\_hand-pulling\_raking\_facingS.jpg  
-118.1769 34.18997





photo\_3-DG-4A\_after\_pulling\_facingNW.jpg  
-118.17687 34.18972



photo\_4-DG-4A\_after\_pulling\_facingS.jpg  
-118.17713 34.18986

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Aug 12, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	0 %
End of Day	15:00	98 °F	4-6 MPH	5 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand-pulling in SW project area: DG-4, DG-4A. 1130-1345 two workers doing maintenance to the N.

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

Least Bell's vireo, Yellow warbler

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

0700 LBVI singing in LBVI buffer, along both sides of road in coast live oaks and willows, centered at approximately 34.191312°N 118.176593°W. No suspected nesting.

**List of species observed while monitoring:**

BLPH, ACWO, HUWI, LEGO, SOSP, YEWA, CATH, CASJ, MODO, dozens of HOFI again foraging in cleared areas, gulf fritillary butterfly investigating Passiflora leaves, big-eared woodrat middens (nearly every day to date),

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

**Log Entry**

0630 crew continuing pulling in same area as yesterday. Getting under willow/box elder canopy (DG-4A), primarily pepperweed with poison hemlock, Raphanus sativa, and Passiflora caerulea vines. Some small Ailanthus trees being cut with machetes in DG-4A.

1000 we looked at a large (8 in. dbh) Ailanthus in willow forest and I felt it was too large to safely cut down without collateral damage to willows and danger to crew; but one small side sprout was removed.

1130 two workers headed to check drippers to the north ('maintenance'), back at 1345. Hot conditions (97°F) require more frequent breaks.

1435 crews done pulling pepperweed, Ficus in shady interior of willow/box elder forest, then bagging and hauling.

**Additional Comments**

N/A

**Signature**







photo\_1-hand-pulling\_facingSW.jpg



photo\_2-hand-pulling\_DG-4A\_facingSE.jpg  
-118.17687 34.19002





photo\_3-before\_hand-pulling\_facingW.jpg  
-118.17667 34.18993



photo\_4-after\_hand-pulling\_facingW.jpg  
-118.17657 34.18995



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Aug 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	71 °F	0-3 MPH	100 %
End of Day	14:45	93 °F	0-3 MPH	40 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (10), led by Didier, hand-weeding in DG-4 and DG-4A

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

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

**List of species observed while monitoring:**

HOFI, HOWR, ALHU, BGGN, SOSP, LEGO, ACWO, WEBL, CALT, CASJ, MODO, BLPH, BEWR, SPTO, BUSH

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

**Log Entry**

0630 very light rain until 730. WEEP trained new Labor Finders worker (Miguel) before starting work. Observed hand-pulling in willow forest in DG-4 and DG-4A. Majority of weeds pulled were perennial pepperweed.  
1430 Crew filling last tarps and starting to clean up

**Additional Comments**

N/A

**Signature**





**Before weeding DG-4A facing E.jpg**  
-118.17642 34.19004



**After weeding same as previous.jpg**  
-118.17633 34.19002





**Continuing hand-pulling in DG-4A facing NE.jpg**  
-118.17634 34.19001



**Large area cleared between willows facing NE.jpg**  
-118.17626 34.1901

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: Aug 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	74 °F	7-9 MPH	25 %
End of Day	14:03	101 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (9) hand-pulling in DG-4 & DG-4A

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

Least Bell's vireo, Yellow warbler

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

Voice only, singing ~20m north of work site.

**List of species observed while monitoring:**

LBVI, YEWA, HOWR, BEWR, CASJ, WBNU, WEBL, NUWO, OATI, HOFI, BGGN, ANHU, ALHU, MODO, BLPH, AMCR, CORA, HOOR, BHGR, WIWA, OCWA, DOWO.

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

**Log Entry**

0630 Margie Pfeffer present on site, completed WEEP training at 0700. Observed hand pulling in DG-4/DG-4A, main weed pulled was pepperweed with some tree of heaven. 2 crew members went to check microlines at 1315. Crew stopped pulling at 1400; rest of workday spent carrying tarps with already-pulled weeds.

**Additional Comments**

N/A

**Signature**







DG-4\_tree\_of\_heaven.jpg  
-118.17698 34.19013



Vegetation\_clearing\_before\_facingE.jpg  
-118.17617 34.19005



**Vegetation\_clearing\_after\_facingE.jpg**  
-118.17605 34.19005



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Aug 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	73 °F	0-3 MPH	80 %
End of Day	14:55	97 °F	4-6 MPH	40 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (10) hand-pulling in DG-4 and DG-4A. Led by Daniel Holmes.

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

Yellow warbler

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

**List of species observed while monitoring:**

LEGO, MODO, BGGN, SOSP, HOWR, HOFI, SPTO, BARS, ANHU, BUSH, ACWO, ALHU, YEWA, CATH, CASJ, CORA, big-eared woodrat

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

**Log Entry**

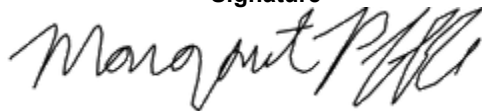
0635 Discovered irrigation box with missing timer, leaking onto road next to DG-5. Daniel and Didier found a second missing. Sent two crew to check all boxes along trails. Rest of crew beginning day in open field in DG-4A, pulling seeding poison hemlock and perennial pepperweed.

0705 YEWA heard singing south of work area, near YEWA-1, no visual, after break crew moved to nearby shady areas to continue weeding, primarily dried out poison hemlock and some flowering *Hirschfeldia incana*. Due to cloud cover, crew able to move back to area weeded this morning. Stopped pulling at 1435, then did water safety meeting.

**Additional Comments**

N/A

**Signature**





**Weeding in DG-4A while still cool, facing N.jpg**  
-118.17691 34.19011



**Weeding continues DG-4A, facing W.jpg**  
-118.17734 34.1907



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Aug 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	70 °F	0-3 MPH	50 %
End of Day	13:35	107 °F	4-6 MPH	20 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in SW project area, DG-4, DG-4A.

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

Yellow warbler

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

**List of species observed while monitoring:**

CALT, CASJ, BEWR, CATH, HOFI, HOOR, AMCR, ACWO, YEWA, SOSP, LEGO, BLPH, California ground squirrel, MODO, side-blotched lizard, western fence lizard, GHOW

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

**Log Entry**

0630 work is taking place on south side of LBVI buffer. Hot day expected. Three workers just within buffer and six outside of buffer to S. Pulling/raking Conium, Hirschfeldia, Lactuca, annual grasses in open-canopy area before a planned move to under forest canopy when heat picks up.

0950 workers starting to move under nearby forest canopy for Lepidium, some Conium. Current temp=90°.

1130 after lunch it is 100°.

1315 temp at 105°.

1335 crews are done pulling due to heat. Daniel is going to give them a long safety meeting then have them check some drip lines to finish around 1500 hrs. I am taking photos and completing daily log until leaving at 1400. 107° in parking lot.

**Additional Comments**

N/A

**Signature**





photo\_1-hand-pulling\_facingS.jpg  
-118.17676 34.19046



photo\_2-hand-pulling\_raking\_DG-4\_facingN.jpg  
-118.17605 34.18983





photo\_3-after\_hand-pulling\_see\_photo2\_facingN.jpg



photo\_4-after\_hand-pulling\_see\_photo1\_facingS.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: Aug 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	75 °F	0-3 MPH	20 %
End of Day	15:00	101 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (10 individuals) hand pulling in DG-4A.

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

Yellow warbler

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

**List of species observed while monitoring:**

CATH, LEGO, HOFI, RSHA, BGGN, RTHA, WIWA, RCPA, DOWO, ACWO, BEWR, SOSP, BUSH, ALHU, ANHU, CASJ, BLPH, AMCR

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

**Log Entry**

0615: WEEP training with Margie.

0630: Natures Image crew (10 individuals) hand pulling in DG-4A. Majority of non-native invasive removal is pepperweed and hemlock.

1000: Crew continued work in DG-4A, working near old YEWA-1 nest, getting pepperweed near willows.

1445: Crew wrapping up, cleaned up trash, and headed to dumpster while I take photos, inspect site, complete daily log.

**Additional Comments**

N/A

Signature







**Vegetation\_bags\_after\_clearing\_facingS.jpg**  
-118.17681 34.18959





**Vegetation\_clearing\_after\_facingSW.jpg**  
-118.17682 34.18955

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Aug 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	70 °F	0-3 MPH	10 %
End of Day	14:20	98 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (10) hand-pulling in DG-4 and DG-4A, led by Daniel

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

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

**List of species observed while monitoring:**

SOSP, ANHU, CALT, BGGN, LEGO, MODO, OATI, ACWO, HOFI, CORA, desert cottontail, tiger swallowtail, HOWR, CATH, HOOR, BLPH, CASJ, WBNU, BUSH

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

**Log Entry**

0630 Began work in same area as previous morning. 5 crew in DG-4 within LBVI-1 buffer. Remaining crew just south of buffer in DG-4A. Pulling mainly dried poison hemlock and perennial pepperweed.

1030 crew in LBVI-1 buffer ran out of work in the shade and moved south to help other group tarp up their vegetation piles and piles from Tuesday. Also beginning to weed in DG-4 drainage, mostly pepperweed and curly dock

1130-1430 Two crew checking irrigation in north end on west side.

1410 Crew stopped pulling and began cleaning up

**Additional Comments**

N/A

**Signature**







**Before weeding\_DG-4\_facing E.jpg**  
-118.1763 34.19064



**After weeding, DG-4, facing E.jpg**  
-118.17627 34.19065





**Before weeding DG-4 drainage, facingE.jpg**  
-118.17636 34.18999

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: Aug 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	71 °F	4-6 MPH	5 %
End of Day	14:10	97 °F	7-9 MPH	10 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand pulling, racking, and hoeing pepperweed and some Himalayan blackberry in DG-4 and DG-4 drainage

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

Least Bell's vireo, Yellow warbler

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

Voice only; singing male present on territory for several months.

**List of species observed while monitoring:**

YEWA, LBVI, BUSH, HOOR, GHOW, MODO, WBNU, WIWA, ANHU, ALHU, PSFL, WEBL, ACWO, NUWO, OATI, CATH, CALT, LEGO, HOFI, BGGN, HOWR, BEWR, SPTO, SOSP, COYE, BHGR, CASJ, RSHA, San Diego alligator lizard (*Elgaria multicarinata webbii*), coastal whiptail (*Aspidoscelis tigris stejnegeri*).

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

**Log Entry**

Crew split into two teams of 3 & 6. One team working in the gulch, other working in a shaded area to the north of gulch. Both areas in DG-4. Both teams raking & hoeing weedy understory, including Himalayan blackberry & pepperweed.

0736 biologist DKB found a roosting GHOW (see photo). After consulting with foreman Daniel it was decided to move the crew further south to avoid disturbing the owl, at risk of disturbance and heat stress if work continued in the area.

0745 full crew worked in area south of original location, still in DG-4 and still raking/hoeing understory debris.

Observed 3 Yellow Warblers — 2 singing males & 1 female-type. 1 LBVI heard singing in a known territory. Two crew members left to check microlines at 1140 through rest of day.

1200-1430 crew was just hand-pulling or hoeing < 3-inch tall pepperweed.

**Additional Comments**

N/A

**Signature**





**Vegetation\_clearing\_before\_facingS.jpg**  
-118.17738 34.18902



**Roosting\_great\_horned\_owl.jpg**





Vegetation\_clearing\_after\_facingS.jpg  
-118.17739 34.189



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Aug 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	0 %
End of Day	14:40	89 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (12) led by Daniel, hand-pulling in DG-4 south and east of old YEWA-1 nest.

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

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

**List of species observed while monitoring:**

HOFI, GHOW, ANHU, CORA, CALT, BEWR, LEGO

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

**Log Entry**

0630 WEEP trained temporary worker (Julio) before starting work.

0700 Daniel showed me great-horned owl at its roost in area cleared last week. Agreed to keep crew moving south to avoid disturbance during heatwave.

0715 Found fallen dead limbs pulling down a live willow near ESA fence. Daniel assigned two crew to cut/rearrange weighing branches and relieve pressure.

1130 Didier and another crew member went to check on irrigation boxes. Two more timers were stolen last week.

Crew stopped pulling at 1430, began cleaning up. Weeds pulled were predominately pepperweed with some mustard and smilo grass.

**Additional Comments**

N/A

**Signature**





**Before weeding DG-4A facing NW.jpg**  
-118.17653 34.18923



**After weeding\_same view as above.jpg**  
-118.17645 34.18916

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Aug 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	20 %
End of Day	14:30	96 °F	7-9 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman Daniel Holmes hand-pulling in SW project area. 0900-1400: 2 workers leave for irrigation maintenance.

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

Yellow warbler

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

**List of species observed while monitoring:**

ANHU, ALHU, BEWR, GHOW, HOFI, CALT, BUSH, CASJ, CAQU, YEWA, SPTO, RCPA, MODO, ACWO, side-blotched lizard, western fence lizard, coastal whiptail, big-eared woodrat middens, WREN.

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

**Log Entry**

0630 workers hand-pulling in DG-4, DG-SF-2, DG-4-sheetflow, primarily pepperweed with some hemlock, Himalayan blackberry, fig. 0700 Daniel shows me great-horned owl roost (approx 34.190530°N 118.176186°W); I marked it in Collector for avoidance on hot days to minimize stress to the owl. Back with group, no nesting birds, lots of yellow jackets and spiders. Hot temps = more water breaks. Crew done pulling at 1415. I stay until 1430 to finish log.

**Additional Comments**

N/A

**Signature**







photo\_1-hand-pulling\_DG-4\_facingNE.jpg  
-118.17637 34.18935



photo\_3-hand-pulling\_DG-4\_facingE.jpg  
-118.17611 34.18942



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Aug 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	20 %
End of Day	14:45	96 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 13 including foreman Daniel Holmes hand-pulling in SW project area. 0830-1330 2 workers away doing irrigation maintenance.

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

Yellow warbler

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

**List of species observed while monitoring:**

ALHU, ANHU, big-eared woodrat, BEWR, BHGR, HOFI, BLPH, YEWA, California vole, PSFL, CALT, western fence lizard, BUSH

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

**Log Entry**

0630 crew continues in area from yesterday: DG-4, DG-4 sheetflow, DG-SF-2 near construction fence. Weeds consist of mostly pepperweed under willow canopy; out in the open it is still primarily pepperweed but with hemlock, Italian thistle, curly dock, and small Eucalyptus.

0850 one crew member took me to a planted location at the southern boundary where a large black willow limb (9-in. dbh, 35 feet long) collapsed onto a planted area (DG-4; 34.186531°N 118.177134°W). I checked it and surrounding area for bird nests, etc., with no sensitive species found (nearby YEWA singing). They will return with chainsaw to remove it.

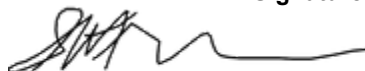
0930 at primary work area, large yellow-jacket nest in ground under pepperweed disturbed, 2 workers stung. Nearby, one California vole encountered in pepperweed, allowed to flee into brush. Continue in DG-4 etc in afternoon.

1430 crew done pulling.

**Additional Comments**

N/A

**Signature**





photo\_1-hand-pulling\_DG-4\_facingN.jpg  
-118.1759 34.18952



photo\_2\_hand-pulling\_DG-4-sheetflow\_facingSE.jpg  
-118.17619 34.18958





photo\_3\_collapsed\_limb\_on\_plantings\_DG-4\_facingN.jpg  
-118.17716 34.18652



photo\_4-after\_hand-pulling\_DG-4\_sheetflow\_facingSE.jpg  
-118.17616 34.18966

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Aug 27, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	14:40	97 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (12) hand-pulling in DG-4 and DG-4A.

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

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

**List of species observed while monitoring:**

BEWR, ANHU, DEJU, CALT, BUSH, SOSP, SPTO, desert cottontail, bobcat, western toad

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

**Log Entry**

Crew hand-pulling in open area on edge of DG-4 moving N towards DG-4A. Weeds pulled are mainly perennial pepperweed with some curly dock, eucalyptus sprouts, and poison hemlock.

0945 Crew relocated to south end to hand-pull in shade. A willow has fallen across the abandoned access road, on the edge of the planted area.

1300 Two crew leave to hand water plantings with missing timers.

1430 Crew stopped pulling. Confused hiker found us below Berkshire Creek so crew raked leaf litter to mask trail.

**Additional Comments**

N/A

**Signature**







**Hand-pulling in progress\_DG-4\_ facing NW.jpg**  
-118.1759 34.18957



**Fallen willow blocking south end access\_facing N.jpg**  
-118.17718 34.18756



**Cleared area of DG-4 with piled vegetation.jpg**  
-118.17714 34.18752

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: Aug 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:00	90 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew clearing understory weeds (pepperweed) using hoes, pitchforks, rakes.

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

Yellow warbler

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

**List of species observed while monitoring:**

YEWA (same singing male present here 7+ days, + 1 female-type seen at southern edge of where crew was working). BGGN, HOFI, PSFL, BUSH, CATH, CASJ, CALT, BEWR, RTHA, WBNU, ACWO, NUWO, GHOW (same individual seen last week, in same roost location), western fence lizard.

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

**Log Entry**

0630: Crew raking understory and hand-pulling pepperweed in DG-4A.

1003 relocated a mouse that Didier found. GHOW roosting in the same location as previously observed, not near where crew was working. 2 hours maintenance done. Crew stopped pulling at 1400.

**Additional Comments**

N/A

**Signature**







**vegetation\_clearing\_before\_facingW.jpg**  
-118.17579 34.18961



**Vegetation\_clearing\_during\_facingN.jpg**  
-118.17589 34.18974





**Vegetation\_clearing\_after\_facingN.jpg**  
-118.17591 34.18974

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Aug 31, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	100 %
End of Day	14:45	80 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (11) hand-pulling in DG-4A

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

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

**List of species observed while monitoring:**

CASJ, COYE, CORA, CAQU, CATH, HOFI, CALT, ANHU, HOOR, SOSP, BUSH, coastal whiptail, crew saw 3 coyotes, GHOW

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

**Log Entry**

0630 Daniel takes crew's temperatures with forehead reader, then brief safety meeting.

0645 Cooler temps forecasted so crew hand-pulls in open field of perennial pepperweed on E edge of LBVI buffer.

Two crew members check irrigation until 1200. Crew pulls pepperweed as well as tocalote, eucalyptus resprouts, and mustard.

1415 spotted the great-horned owl on a horizontal branch, high in a willow south of where the crew has been working. Likely the same individual we have seen in the last few weeks.

1420 crew stopped pulling.

**Additional Comments**

N/A

**Signature**





**Before weeding open field\_DG-4A\_facing E.jpg**  
-118.17524 34.19061



**After weeding same view as above.jpg**  
-118.17533 34.19093

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Sep 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	100 %
End of Day	14:15	80 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (12) hand-pulling in DG-4A and DG-4

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

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

**List of species observed while monitoring:**

MODO, CALT, CORA, GHOW, CATH

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

**Log Entry**

Crew hand-pulling in two groups on north edge of DG-4A open field, moving into mulefat scrub. Weeds pulled are perennial pepperweed, poison hemlock, mustard, and eucalyptus resprouts.

0800 observed great-horned owl in same roosting place as yesterday afternoon, south of work area. Does not appear disturbed by work.

0915 two crew peel off to weed small planted area along north side of trail, DG-4, moving into pockets of pepperweed in mulefat.

1400 crew stopped pulling, clean up and haul piled vegetation.

**Additional Comments**

N/A

**Signature**







**Photo 1-before\_clearing edge of DG-4A\_ facing N.jpg**  
-118.17511 34.19095



**Photo 2-before weeding\_DG-4A\_ facing N.jpg**  
-118.17468 34.1905



**Photo 3-after\_same as photo 1.jpg**  
-118.17511 34.19093



**Photo 4-after\_same as photo 2.jpg**  
-118.17485 34.19048

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Sep 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	0 %
End of Day	13:15	87 °F	0-3 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in west-central project area: DG-4 willow forest and mule fat scrub. 1100 one worker left. 1230 five workers switch to maintenance. 1310 the remaining four workers switch to maintenance. I leave at 1330 after pics and log completion.

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

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

**List of species observed while monitoring:**

RSHA, COHA, AMCR, CORA all mobbing roosting GHOW east of parking lot. CALT, SPTO, HOFI, RCPA, CASJ, CATH, BUSH, WREN, SOSP, BARS, CAQU, HOOR, side-blotched Lizard, western fence lizard, coastal whiptail.

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

**Log Entry**

0630 crew of 3 working within west side of LBVI buffer, 6-7 workers east of there near construction fencing: Conium, Hirschfeldia, Lepidium. The former two species more common in open mule fat scrub, while willow area weeds are primarily Lepidium. There is still a lot of tocalote in the open field by central access road/trail but the yellow jackets seem to attack every time the guys get back in there.

**Additional Comments**

N/A

**Signature**







photo\_1-hand-pulling\_DG-4\_facingW.jpg  
-118.17513 34.19129



photo\_2-manmade\_huts\_DG-4\_facingW.jpg  
-118.17431 34.19097





**photo\_3\_after\_hand-pulling\_DG-4\_facingE.jpg**  
-118.17506 34.19136



**photo\_4\_after\_hand-pulling\_DG-4\_facingS.jpg**  
-118.17434 34.19098

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Sep 3, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	14:35	86 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (10) hand-pulling in DG-4 and DG-4A.

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

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

**List of species observed while monitoring:**

CALT, BLPH, ANHU, CASJ, CAQU, BEWR, CORA, HOFI, RTHA

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

**Log Entry**

0630 crew finishing off section cleared yesterday near ESA fence in DG-4, connecting with planted areas to the north previously cleared.

0830 two crew hand watering planted areas with missing timers.

1045 crew starts pulling dried mustard along access trail. Discovered small patch of arundo behind dead mulefat.

Daniel moved 4 crew to clear trail and control. Removed stalks and dug out roots to prevent resprouts. Woodrat midden built around stalks. Told crew to leave it and will check periodically if nest is active before removing remaining stalks and roots.

1315-1430 two crew left to do irrigation maintenance. Noted strong smell and chunks of rubber in effluent from construction vehicle wheel wash. Notified ECORP.

1430 crew stopped pulling and clean up.

**Additional Comments**

N/A

**Signature**







**Filling in with native annuals\_facingNW.jpg**  
-118.17451 34.19148



**Finishing up open field\_DG-4A\_facingN.jpg**  
-118.17519 34.19057



Clearing along access trail\_facingNW.jpg  
-118.17529 34.19143



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: Sep 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	0 %
End of Day	14:00	96 °F	4-6 MPH	0 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand-pulling pepperweed, Himalayan blackberry; understory clearing with rakes, hoes, pitchforks.

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

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

**List of species observed while monitoring:**

RSHA, RTHA, CATH, CALT, BGGN, ANHU, ALHU, LEGO, MODO, ACWO, NUWO, DOWO, WBNU, OCWA, WIWA, BUSH, HOOR, WETA, HOFI, SOSP, CAQU, multiple western fence lizards.

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

**Log Entry**

0630: crew split into teams of 3 and 6, 3-person team working close to the road, 6-person crew working further east, both in DG-4.

1230 3 crew members went to water plants. Crew stopped pulling at 1400.

**Additional Comments**

N/A

Signature





**Vegetation\_clearing\_before\_facingN.jpg**  
-118.17549 34.19033



**Vegetation\_clearing\_before\_facingS.jpg**  
-118.17575 34.1902





**Vegetation\_clearing\_after\_facingN.jpg**  
-118.17553 34.1903



**Vegetation\_clearing\_after\_facingS.jpg**  
-118.17571 34.19018

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Sep 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	0-3 MPH	100 %
End of Day	15:00	79 °F	0-3 MPH	80 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 11 including foreman Daniel Holmes, hand-pulling at SW corner of project area in DG-4, which is willow/sycamore forest. Starting at 34.187629°N 118.177181°W. See log for more detail.

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

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

**List of species observed while monitoring:**

BEWR, SOSR, AMCR, RCPA, BUSH, western toad, NUWO, CALT, SPTO, western fence lizard, side-blotched lizard, HOFI, BLPH, California ground squirrel

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

**Log Entry**

0630 Southern California Edison doing pole maintenance/replacement at main parking lot, we are diverted to a different location. Starting at 34.187629°N 118.177181°W which is willow/sycamore forest, in planted area.

0730 already have one crew member being stung by yellow jackets.

0745 moving further south to around 34.186684°N 118.177133°W. Weeds include pepperweed, lamb's quarters, wild radish, summer mustard, French broom, Lots of native herbs as well. I point out non-native Erigeron bonariensis growing alongside the more common native Erigeron canadensis (horseweed), although the difference is very subtle and only a few workers are directed to remove the former. I removed some on my own.

1200-1230 meeting on site with Aaron Christensen, environmental monitor for DWP about rubber micro-particles observed on Sept 4 by Natures Image employee in drainage runoff from culvert draining truck wash area. Sent photos to Margie Pfeffer, to be forwarded to Brittany Barker.

1445 crews stop pulling.

**Additional Comments**

N/A

**Signature**







photo\_1-DG-4\_hand-pulling\_facingN.jpg  
-118.17724 34.18764



photo\_2-DG-4\_hand-pulling\_facingS.jpg  
-118.17716 34.18687





photo\_3-DG-4\_after\_hand-pulling\_facingS.jpg  
-118.17714 34.18682



photo\_4-DG-4\_after\_hand-pulling\_facingS.jpg  
-118.17733 34.18668

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Sep 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	67 °F	0-3 MPH	80 %
End of Day	14:15	86 °F	4-6 MPH	50 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 12 including foreman Daniel Holmes, hand-pulling at SW corner of project area, DG-4. High altitude haze from fires, and morning fog, but smoke from Azusa fire is not blowing our direction.

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

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

**List of species observed while monitoring:**

HUVI, BEWR, SOSP, CALT, LEGO, BUSH, NUWO, HOFI, RCPA, AMCR, BLPH, CATH, CASJ, WEWP, western fence lizard

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

**Log Entry**

0630 hand-pulling in DG-4 within and around planted area. Mature weeds include pepperweed, Summer mustard, curly dock, prickly sow thistle, etc (see yesterday's notes - same area). In watered berms, new seedlings are coming up and require some crew training to identify: hemlock, prickly sow thistle, tocalote, mustards, lamb's quarters, pepperweed, prickly lettuce, etc. Also cutting smaller eucalyptus. Bird activity low, unremarkable. Ficus carica infestation along muddy drainage that drains off road above, cut with loppers. Dysphania ambrosioides, Dysphania pumilio. Crew looked into carrying tarps onto temporary access road to the east, since no excavation activity, but slopes of this recently built up road are too soft. Crew done pulling at 1400.

**Additional Comments**

N/A

**Signature**







photo\_1-DG-4\_before\_hand-pulling\_facingW.jpg  
-118.17693 34.18651



photo\_2-DG-4\_before\_hand-pulling\_facingN.jpg  
-118.17692 34.18651





photo\_3-DG-4\_before\_hand-pulling\_facingSW.jpg  
-118.17691 34.18639



photo\_4-DG-4\_before\_hand-pulling\_facingSW.jpg  
-118.17692 34.18647

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Sep 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	64 °F	0-3 MPH	100 %
End of Day	14:05	84 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew (12) hand-pulling in south end of DG-4

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

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

**List of species observed while monitoring:**

BUSH, SOSP, ANHU, BEWR, CALT, LEGO

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

**Log Entry**

0630 One group pulling dead mustards and cutting french broom (*Genista monspessulana*) along concrete access road at southernmost end of DG-4. Another group cut down common fig at the bottom of the slope. Continued pulling mustard, pepperweed and poison hemlock along slope. Watching air quality station at Hillside School, was high in the morning but below 150 by 1100. Crew stopped pulling at 1400.

**Additional Comments**

N/A

**Signature**







**Weeding along access road\_facing S.jpg**  
-118.17752 34.18663



**Removing figs\_facing SE.jpg**  
-118.17719 34.18645



**Weed control in process\_facing S.jpg**  
-118.17769 34.18701

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: Sep 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	66 °F	0-3 MPH	100 %
End of Day	11:00	75 °F	0-3 MPH	100 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image crew; vegetation clearing — hand-pulling pepperweed and French broom, raking/hoeing understory.

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

Yellow warbler

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

**List of species observed while monitoring:**

NUWO, BUSH, YEWA, WIWA, ACWO, ANHU, CALT, WBNU, OATI, HUVI, Gulf Fritillary

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

**Log Entry**

Vegetation clearing in southernmost section of DG-4.

1026: 4-person crew doing line maintenance.

1100-1500: maintenance by whole crew, minus 3 running tarps from 1200-1230. Biologist ended vegetation clearing work at 1100 due to health concerns (poor air quality, LRARP AQI > 150).

**Additional Comments**

Dangerously smoky throughout morning; AQI > 150 from 0630-1100.

**Signature**







**Vegetation\_clearing1\_at start\_facingSE.jpg**  
-118.17758 34.18701



**Vegetation\_clearing1\_after\_facingNE.jpg**  
-118.17755 34.18693

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: Sep 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	14:00	105 °F	0-3 MPH	15 %

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

Restoration Monitoring

**Construction Activity:**

Natures Image Crew hand-pulling and raking pepperweed and horehound in northern portion of DG-4.

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

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, BRSP, BTSP, CASJ, SPTO, BUSH, CATH, BEWR, HOWR, 20+ western fence lizards, side-blotched lizards, western skink, southern pacific rattlesnake.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630-1400 Natures Image crew hand pulling vegetation (pepperweed, mustard, white horehound) in northern section of DG-4.

1000 DKB bio observed a small (~6 inch) southern pacific rattlesnake in site; monitored it until it moved a safe distance from the crew on its own.

1130 2 crew members checked microlines. Crew stopped vegetation pulling at 1400. Migrant 1st-cycle BRSP and BTSP observed. Bio did not take "before" photos of site before crew had started work.

**Additional Comments**

N/A

**Signature**







**Vegetation removal after.jpg**



**Hand pulling in DG-4.jpg**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: Sep 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	57 °F	0-3 MPH	0 %
End of Day	13:55	84 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew clearing vegetation, area DG-4, crew of 11

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, CAQU, CALT, LEGO, WTSW, BEWR, SOSP, RTHA, COHA. Botta's pocket gopher observed running across work area, eventually finding shelter outside of work area. California king snake observed at edge of work area, hid under a mule fat.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0615: received WEEP training with Margie

0630: monitored vegetation clearing, poison hemlock, mustard, perennial pepperweed

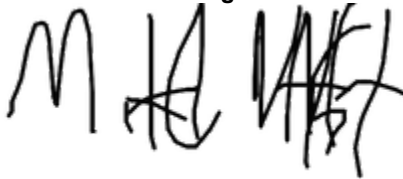
1314: 2 crew members broke off to do maintenance for ~2 hours.

1355: crew wrapped up weed removal, began packing up removed weeds and taking them to dumpster while I took photos, inspected site, complete daily log.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'M Walsh', written over a horizontal line.



**Handpulling\_DG-4\_before\_facing\_east.jpg**  
-118.17252 34.19361



**Handpulling\_DG-4\_after\_facing\_east.jpg**  
-118.17251 34.19361

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Sep 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	14:00	88 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling primarily in DG-7, some in DG-4A.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CATH, CALT, CANG, SOSP, BEWR, SPTO, CORA, CASJ, WCSP, COHA, side-blotched lizard, southern alligator lizard, coastal whiptail, BLPH, ANHU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 crew is hand-pulling pepperweed, black mustard, summer mustard on terrace above main wash in NW project area. Vegetation cover here is 99% non-native herbaceous; removing weeds reveals bare ground. Some weeds are left along soft precipitous edge of bank for safety, will likely wash into reservoir gravel area slope with first big rain. Additional weeds include tree tobacco, castor bean, horehound.

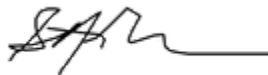
1000 southern alligator lizard relocated from work area to nearby willow canopy. Also chased off several coastal whiptails from harm's way. Air quality not an issue this morning - Bobcat fire smoke is just visible above ridge but wind is blowing from the south.

1200 some smoke is creeping over mountains toward us but air quality still moderate. Also pulling weeds in bowl area on west side of terrace, between planted areas. This area is DG-4A. Stopped pulling at 1400.

**Additional Comments**

N/A

**Signature**







photo\_1-DG-7\_hand-pulling\_facingS.jpg  
-118.17241 34.19357



photo\_2-DG-7\_hand-pulling\_facingS.jpg  
-118.17204 34.19336





photo\_3-DG-7\_after\_hand-pulling\_facingS.jpg  
-118.17197 34.19369



photo\_4-DG-4A\_raking-bagging\_facingS.jpg  
-118.17214 34.19357

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: Sep 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	13:30	87 °F	4-6 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman Daniel Holmes, hand-pulling in NW project area: DG-7 and slightly within DG-4. 4 of the workers are doing irrigation maintenance 0730-1500.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CATH, SAPH, HOFI, WCSP, BLPH, ANHU, LEGO, SPTO, CALT, CASJ, RCPA, 1st yr female vermilion flycatcher (VEFL), coyote, ACWO, CAQU, VGSW, CAKI, BEWR, CORA, BUSH, California ground squirrel, side-blotched lizard, coastal whiptail (a lot of juvenile lizards in general on-site), RTHA, BRSP, Botta's pocket gopher, COYE

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 crew is finishing up DG-7 terrace area, getting slightly into DG-4.

0730 4 workers leave to do maintenance for rest of day. Several fall bird species on-site. Crew stops pulling at 1315, both dumpsters nearly full. I stay until 1330 to get photos, finish log.

**Additional Comments**

N/A

**Signature**







photo\_1-DG-7\_hand-pulling\_facingNE.jpg  
-118.17208 34.19348



photo\_2-DG-7\_DG-4\_hand-pulling\_facingNE.jpg  
-118.17211 34.19365





photo\_3-DG-7\_after\_hand-pulling\_facingNE.jpg  
-118.17203 34.19348



photo\_4-DG-7\_DG-4\_after\_hand-pulling\_facingNE.jpg  
-118.17207 34.19369

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: Sep 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	0-3 MPH	10 %
End of Day	15:00	88 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image, 8 crew members, Daniel (lead), using hand tools to pull non-native vegetation from DG-4. Non-natives being removed include: *Nicotiana glauca*, *Conium maculatum*

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, CATH, BUSH, coyote, CORA, SOSP, CASJ, LEGO, BEWR, ANHU, SAPH, BLPH, ROWR, RCPA, RTHA, RWBU, coast horned lizard, side-blotched lizard, MODO, BGGN, WCSP, NUWO

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: crew met briefly for a quick tailboard. Eight crew members with hand tools continued work in DG-4 pulling non-natives including hemlock, tree tobacco. Crew avoided revegetated natives including willow and mule fat cuttings. Afternoon a few crew members moved to DG-7 to gather previously cut non-natives and carry them out. Besides multiple young coastal whiptail lizards, no other sensitive species were observed. Some winter migrants observed. 1445 crew started to wrap up for the day. All trash was removed from site. Biologist completed report for the day.

**Additional Comments**

N/A

Signature







**Vegetation\_clearing\_during\_facingE.jpg**  
-118.17226 34.19388



**Vegetation\_clearing\_after\_facingE.jpg**  
-118.17231 34.1939





**Vegetation\_clearing\_during\_facingSE.jpg**  
-118.17193 34.19362



**Vegetation\_removal\_after\_facingNW.jpg**  
-118.1721 34.19359

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: Sep 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:35	60 °F	0-3 MPH	0 %
End of Day	14:00	83 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (11) hand-weeding in DG-4A

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

SAPH, ANHU, CALT, CATH, CASJ, BLPH, RTHA, BEWR

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0735 arrived on site. Scheduled monitor called in sick. While waiting for a monitor, crew worked on hauling out vegetation left yesterday. Three crew cleaning/organizing equipment container until 1145. Observed hand-pulling mustard, poison hemlock, and perennial pepperweed in DG-4A, moving south from area cleared previous days. 1400 crew stopped pulling and spent remaining time tarping and hauling vegetation to dumpsters.

**Additional Comments**

N/A

**Signature**







**Before weeding DG-4A\_facing SW.jpg**  
-118.17241 34.19339



**Weeding continues\_DG-4A\_facing S.jpg**  
-118.17245 34.19355



**After weeding\_piled vegetation.jpg**  
-118.17229 34.19336

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: September 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	63 °F	4-6 MPH	0 %
End of Day	15:00	91 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures image crew of 8 pulling in NW project area, DG-4A

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

PHAI, ANHU, CALT, SAPH, CASJ, BLPH, MODO, NUWO, CAKI, BEWR, CATH, SOSP, NOMO, BGGN, western fence lizard, coastal whiptail

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 crew continues pulling south in DG-4A targeting poison hemlock, perennial pepperweed, mustard, castor bean.

1000 crew member unearths wasp hive, nobody is stung.

1130 sweep area north of current work area (DG-4) for tomorrow. No sensitive species found.

1430 crew starts wrapping up as I inspect site, take photos, complete log.

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to be 'Michael Walsh', written over a grid of lines.





Photo\_1\_Vegetation\_clearing\_before\_facing\_south\_DG-4A.jpg  
-118.17251 34.19329



Photo\_2\_Vegetation\_clearing\_after\_facing\_south\_DG-4A.jpg  
-118.17248 34.19332



Photo\_3\_Underground\_wasp\_hive\_general\_location\_facing\_SW.jpg  
-118.17252 34.19338

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: September 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:00	99 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman hand-pulling in NW project area, primarily in DG-4A before 1100 and DG-4 1130-1330 (see below).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, CALT, HOFI, RCPA, WCSP, AMCR, CATH, BGGN, CAQU, coastal whiptail, side-blotched lizard, SOSP

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 crew is continuing yesterday's work southward in DG-4A, getting into willow/planting canopy of DG-4. This area is virtually 100% non-native weed cover (pepperweed, hemlock, mustards) with no native shrubs. Tree tobacco and castor bean growing along the edge in the irrigated plantings. I gave environmental training to new worker, Pablo Muñoz.

0810 harvest mouse in work area; I could not capture it but was able to herd it into the nearby willow stand.

0900 crew has inadvertently scattered/raked some likely rabbit carcass pieces around and the yellow jackets started swarming. I used a shovel to move as much of the carcass as possible to a different area. The yellow jackets don't seem to be aggressive while they are feeding on the meat (vs. near a nest, for example).

1130 after lunch, 1 worker left, 4 workers in DG-4 willows (pepperweed, hemlock, mustards, tree tobacco) and 5 in DG-4 buckwheat/coastal sage scrub by parking lot. DG-4 buckwheat has pepperweed, horehound, summer mustard, scarlet pimpernel. I showed several of the crew the native telegraph weed sprouts (vs pepperweed), and native Navarretia hamata vs tocalote.

1300 temp in parking lot is 97°F.

**Additional Comments**

N/A

**Signature**







photo\_1-hand-pulling\_DG-4A\_facingE.jpg  
-118.17273 34.19322



photo\_2-hand-pulling\_DG-4A\_facingE.jpg  
-118.17008 34.19274





photo\_3-hand-pulling\_DG-4\_DG-4A\_facingS.jpg  
-118.17276 34.19366



photo\_4-after-hand-pulling\_DG-4A\_facingE.jpg  
-118.17273 34.19323

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: September 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	62 °F	0-3 MPH	0 %
End of Day	14:55	102 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 10 including foreman Daniel Holmes hand-pulling in NW project area. 2 workers broke off for maintenance/repair work on irrigation for 2 hours in the afternoon.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BUSH, CATH, CALT, RCPA, WCSP, ANHU, HOFI, SAPH, BLPH, SOSP, CASJ, COHA, California ground squirrel, side-blotched lizard, coastal whiptail, western fence lizard, desert cottontail, western toad.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: 4 workers bagging up loose material from yesterday in DG-4/DG-4A near coyote den. Others are pulling weeds further north around plantings and mule fat in DG-4. Hot day, frequent water breaks.

1030 western toad encountered in mule fat area - it was able to escape into the mule fat canopy on its own.

1230 crew that were bagging weeds in first area are done and move to where others are working, still in mule fat area (pepperweed, hemlock, mustards, castor bean).

1245 temp is 101°. Workers stopped pulling at 1440 to bag stuff up.

**Additional Comments**

N/A

**Signature**







photo\_1-bagging\_DG-4\_DG-4A\_facingE.jpg  
-118.17271 34.19332



photo\_2-hand-pulling\_DG-4\_facingE.jpg  
-118.17229 34.19391





**photo\_3-hand-pulling\_DG-4\_facingN.jpg**  
-118.17204 34.19372



**photo\_4-after-bagging\_DG-4\_DG-4A\_facingS.jpg**  
-118.17264 34.19333

# **Fourth Quarter Compliance Report Activities Occurring Between October 2020 and December 2020**

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## **Devil's Gate Reservoir Restoration Project**

### **Submitted To:**

Dr. David Lin  
California Department of Fish and Wildlife/R5  
4665 Lampson Avenue, Suite C  
Los Alamitos, California 90720

### **Prepared For:**

Mr. Tae Uk (Mark) Gim  
Los Angeles County Public Works  
Stormwater Engineering Division  
900 S. Fremont Avenue  
Alhambra, California 91803

### **Prepared By:**

ECORP Consulting, Inc.  
2861 Pullman Street  
Santa Ana, California 92705

**February 16, 2021**





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- Appendix A – Construction Monitoring Logs
- Appendix B – Habitat Restoration Monitoring Logs
- Appendix C – Habitat Restoration Grading Monitoring Logs

## 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 fourth quarter of 2020 (October through December). This Quarterly Compliance Report satisfies Condition 6.7 in the Incidental Take Permit (ITP) No. 2081-2016-031-05 that was issued for the site 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 ninth report (Quarterly Compliance Report Number 9) submitted in accordance with ITP Condition number 6.7. This report covers activities that were conducted at the Project site between October 1 and December 31, 2020.

## 2.0 COVERED ACTIVITIES

### 2.1 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."

All activities during the fourth quarter of 2020 occurred outside of the nesting bird season and outside of the vireo breeding and nesting season. Therefore, biological monitoring of construction activities during the fourth quarter of 2020 consisted of twice-weekly site checks by Designated Biologists approved by the USFWS for least Bell's vireo monitoring when Project activities were ongoing. Daily biological monitoring of restoration activities was ongoing during the fourth quarter. Table 1 shows Project working dates and the biological monitors that were present on each date.

Table 1. Monitors Onsite During Work Days.

Date	Construction Monitors	Restoration Grading Monitors	Restoration Monitors
10/01/20			Margie Pfeffer
10/02/20	Shannan Shaffer*		Deven Kammerichs-Berke
10/05/20	Lauren Simpson*		Michael Walsh
10/06/20			Deven Kammerichs-Berke
10/07/20	Shannan Shaffer*		Margie Pfeffer
10/08/20		Shannan Shaffer*	Margie Pfeffer
10/09/20		Shannan Shaffer*	Deven Kammerichs-Berke
10/12/20	Christine Tischer*	Shannan Shaffer*	Michael Walsh
10/13/20		Shannan Shaffer*	Michael Walsh
10/14/20		Josh Corona-Bennett	Margie Pfeffer
10/15/20		No Work	Margie Pfeffer
10/16/20	Shannah Shaffer*	Jen Kendrick*	Deven Kammerichs-Berke
10/19/20		Christine Tischer*	Michael Walsh
10/20/20	Christine Tischer*	Josh Corona-Bennett	Michael Walsh
10/21/20		Max Murray	Deven Kammerichs-Berke
10/22/20	Christine Tischer*	Max Murray	Deven Kammerichs-Berke
10/23/20		Max Murray	Amy Plesetz
10/26/20	Christine Tischer*	No Work-Red Flag	Michael Walsh
10/27/20		No Work-Red Flag	Michael Walsh
10/28/20		Carley Lancaster	Margie Pfeffer
10/29/20		Christine Tischer*	Margie Pfeffer
10/30/20	Jill Coumoutso*	No Work	Deven Kammerichs-Berke
11/02/20	Christine Tischer*	No Work	Michael Walsh
11/03/20		No Work	Michael Walsh
11/04/20		Lauren Simpson*	Scott Werner
11/05/20		Lauren Simpson*	Margie Pfeffer
11/06/20	Christine Tischer*	No Work	Scott Werner
11/09/20	Christine Tischer*	Carley Lancaster	Michael Walsh
11/10/20		Christine Tischer*	Michael Walsh
11/11/20	No Work – Holiday	No Work – Holiday	No Work – Holiday
11/12/20		Max Murray	Deven Kammerichs-Berke
11/13/20	Shannah Shaffer*	Max Murray	Deven Kammerichs-Berke
11/16/20	Lauren Simpson*	Christine Tischer*, Shannan Shaffer*	Michael Walsh
11/17/20		Lauren Simpson*, Shannan Shaffer*	Michael Walsh
11/18/20		Shannan Shaffer*	Margie Pfeffer
11/19/20		Lauren Simpson*	Margie Pfeffer
11/20/20*	Shannan Shaffer*	Christine Tischer*	Amy Plesetz
11/23/20	Christine Tischer*	Lauren Simpson*	Michael Walsh
11/24/20		Lauren Simpson*	Michael Walsh
11/25/20 <sup>B</sup>		Carley Lancaster	Deven Kammerichs-Berke
11/26/20	Project Activities Halted Until Spring 2021	No Work – Holiday	No Work – Holiday
11/27/20		No Work – Holiday	No Work – Holiday
11/30/20		Lauren Simpson*	Michael Walsh
12/01/20		No Work	Michael Walsh
12/02/20		Josh Corona-Bennett	Margie Pfeffer
12/03/20		No Work-Red Flag	Deven Kammerichs-Berke
12/04/20		No Work-Red Flag	Deven Kammerichs-Berke
12/07/20		No Work-Red Flag	Michael Walsh
12/08/20		No Work-Red Flag	Michael Walsh
12/09/20		Lauren Simpson*, Shannan Shaffer*	Margie Pfeffer



Table 1. Monitors Onsite During Work Days.

Date	Construction Monitors	Restoration Grading Monitors	Restoration Monitors
12/10/20		Josh Corona-Bennett, Shannan Shaffer*	Margie Pfeffer
12/11/20		Christine Tischer*, Adam Schroeder	No Work
12/14/20		Christine Tischer*	Margie Pfeffer, Michael Walsh
12/15/20		Lauren Simpson*, Josh Corona-Bennett	Margie Pfeffer, Michael Walsh
12/16/20		Restoration Grading Activities Complete	Margie Pfeffer, Deven Kammerichs-Berke, Amy Plesetz
12/17/20			Deven Kammerichs-Berke, Amy Plesetz
12/18/20			Deven Kammerichs-Berke & Amy Plesetz
12/21/20			Margie Pfeffer, Michael Walsh
12/22/20			Amy Plesetz, Michael Walsh
12/23/20			Amy Plesetz, Michael Walsh
12/24/20			Amy Plesetz, Michael Walsh
12/25/20			No Work – Holiday
12/28/20			No Work - Weather
12/29/20			Deven Kammerichs-Berke, Michael Walsh
12/30/20			Deven Kammerichs-Berke, Michael Walsh
12/31/20			Deven Kammerichs-Berke, Michael Walsh

\* = LBVI approved biologist

+ = Last day of sediment removal activities.

β = Last day of Construction Activities on the Project site – Contractor Demobilized.

The Project and restoration activities conducted within this quarter are summarized in the sections below.

## 2.2 Project Activities

The following Project activities were conducted onsite during this reporting period:

- Project activities (including sediment removal hauling activities) continued from October 1, 2020 through November 20, 2020.
- Project demobilization activities occurred from November 23 through November 25, 2020.
- Sediment removal hauling activities included the loading of sediment within the Project site into bottom-dump haul trucks using excavators and front loaders.

Construction monitoring logs for this quarter detailing daily activities are included in Appendix A.

## 2.3 Habitat Restoration Activities

The following habitat restoration activities were conducted onsite during this reporting period:

- Restoration activities continued from October 1, 2020 through December 31, 2020.

- Low-growing non-native plants were removed from the DG-3A, DG-4, DG-4A, DG-4B, DG-4C, DG-4 Sheetflow, DG-W-2 (mining pit), DG-W-1, DG-SF-1, onsite restoration areas by hand pulling and using small hand tools, shovels, weed whips, hula hoes, and rakes. The non-native plant species removed included perennial pepperweed (*Lepidium latifolium*), black mustard (*Brassica nigra*), shortpod mustard (*Hirschfeldia incana*), castor bean (*Ricinus communis*), black nightshade (*Solanum nigrum*), sticky snakeroot (*Ageratina adenophora*), star thistle (*Centaurea melitensis*), Italian thistle (*Carduus pycnocephalus*), poison hemlock (*Conium maculatum*), ripgut brome (*Bromus diandrus*), cheatgrass (*Bromus tectorum*), red stemmed filaree (*Erodium cicutarium*), tree of heaven (*Ailanthus altissima*), dock (*Rumex* sp.), tree tobacco (*Nicotiana glauca*), Russian thistle (*Salsola tragus*), pigweed (*Amaranthus albus*), Himalayan blackberry (*Rubus discolor*), horehound (*Marrubium vulgare*), eucalyptus sprouts (*Eucalyptus* sp.), passionflower (*Passiflora* sp.), common barley (*Hordeum vulgare*), and wild oat (*Avena fatua*). Regrowth of Eucalyptus tree stumps (*Eucalyptus* sp.) was cut back in DG-3A. Pulled plants were removed from restoration sites daily and placed into onsite dumpsters that were emptied regularly.
- Irrigation systems were maintained at existing on-site restoration areas throughout the quarter.
- A skid-steer was used in DG-2 New Channels, DG-W-2 (outlet), DG-4 WOUS, for preliminary removal of vegetation along the centerline of the new channels in preparation for Phase 2 plantings.
- Site preparation for Phase 2 planting, including the installation of irrigation lines and marking of container plant layout locations, was conducted in DG-W-1, DG-2 New Channels, and Johnson Field.
- Monthly qualitative monitoring of Phase 1 onsite restoration areas was conducted.

Habitat restoration monitoring logs for this quarter detailing daily activities are included in Appendix B.

### **2.3.1 Restoration Grading of Phase 2 Onsite Restoration Areas**

In addition to the onsite restoration activities described above, grading of Phase 2 restoration areas in preparation for Phase 2 plantings occurred during the fourth quarter of 2020. The restoration grading was conducted by the sediment removal contractor (Griffith Company) under the direct supervision of ECORP biologists. Restoration grading activities occurred between October 8 and December 15, 2020 and were conducted in the following onsite mitigation areas: Johnson Field (DG-W-1), DG-2 WOUS, DG-2 New Channels, Mining Pit (DG-W-2), DG-W-2 (Mining Pit Outlet), DG-4 WOUS.

The restoration grading activities included some vegetation clearing within the channels using front loaders and bulldozers, as well as using bulldozers to fine grade the channel contours. All restoration grading activities were monitored by a Designated Biologist to ensure that the avoidance of native plants was achieved to the maximum extent practicable. The restoration grading activities were conducted to the purpose of implanting the creation, reestablishment, and rehabilitation of Waters of the U.S. as a requirement of the Habitat Mitigation and Monitoring Plan (HMMP) and as described in the Habitat Restoration Plan (HRP) submitted to the CDFW as part of the mitigation package for the ITP.

Restoration grading monitoring logs for this quarter detailing daily activities are included in Appendix C.

### **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 January 1, 2021 to March 31, 2021.

### **4.0 MITIGATION MONITORING AND REPORTING PROGRAM**

Per Condition 6.7 of the ITP, Table 2 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 2. 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
BIOLOGICAL RESOURCES							
MM BIO – 1: 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	A qualified biologist continued to be present during all initial vegetation-disturbing project-related activities during the 2020 fourth quarter reporting period. A qualified biologist continued to be present during restoration activities requiring vegetation removal during the 2020 fourth quarter reporting period. See Table 1 for details.
MM BIO – 2: 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	Due to the need for additional safety precautions during the COVID-19 pandemic, the initial 2020 worker education training was provided for project personnel to view electronically prior to the start of Project activities on May 20, 2020. Personnel were required to certify under penalty of perjury that they had viewed and understood the training materials in their entirety. Additional trainings were provided on an as-needed basis to new project personnel afterwards during the 2020 fourth quarter reporting period.
MM BIO – 3: 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	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 – 5/19/20	Preconstruction surveys for sensitive species were conducted by qualified biologists on April 10, 13, and 14, 2020. Preconstruction least Bell's vireo surveys were completed during the

Table 2. 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
Natural Diversity Database (CNDDDB) field data sheet and submitted to CDFW for inclusion into the CNDDDB.							second quarter of 2020 and a preconstruction breeding season least Bell's vireo survey report was submitted to LACPW and included as an appendix to the second quarter compliance report for 2020. No preconstruction surveys took place during the fourth quarter of 2020.
<p><b>MM BIO – 4:</b> LACFCD, in consultation with a qualified biologist, will employ bird exclusionary measures (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>	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		3/15/2019 - 4/14/2019,  3/16/2020 - 5/19/2020	Preconstruction surveys for nesting birds were completed during the second quarter of 2020. Active bird nests within 500 feet of the Project site were documented and appropriate no-work buffers were established. Designated Biologists monitored Project construction and restoration activities daily during the nesting season in 2020. The fourth quarter 2020 reporting period is outside of the nesting bird season.
<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</li> </ul>	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		11/06/2018 – 11/08/2018	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 fourth quarter reporting period.

Table 2. 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
<p>maternity season (September 30).</p> <ul style="list-style-type: none"> <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 prepare a summary report for LACFCD.</p>							
<ul style="list-style-type: none"> <li><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:</li> <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</li> </ul>	Reservoir Management <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>	Reservoir Management <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		11/19/2018 - ongoing	Restoration activities were continued during the 2020 fourth quarter reporting period.



Table 2. 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
<p>achieved.</p> <ul style="list-style-type: none"> <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.</li> <li>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 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> </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>	Pre-Sediment Removal; Sediment Removal; Reservoir Management <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</li> </ul>	Pre-Sediment Removal; Sediment Removal; Reservoir Management <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 fourth quarter reporting period. Restoration activities were continued during the 2020 fourth quarter reporting period.

Table 2. 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
	Maintenance <ul style="list-style-type: none"><li>Prepare Monitoring Reports</li></ul>						
<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.<ul style="list-style-type: none"><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><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></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 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</li></ul>	Reservoir Management <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>	Reservoir Management <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		11/19/2018 - ongoing	Restoration activities were continued during the 2020 fourth quarter reporting period.

Table 2. 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
<p>restoration and enhancement of not less than 1:1 replacement of riparian habitats, sensitive natural communities, and federally protected wetlands has been achieved.</p> <ul style="list-style-type: none"> <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 – Construction Monitoring Logs

Appendix B – Habitat Restoration Monitoring Logs

Appendix C – Habitat Restoration Grading Monitoring Logs



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: October 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:47	67 °F	0-3 MPH	20 %
End of Day	09:07	77 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Sediment removal 2 excavators, scraper, wheel loader, bulldozer, 2 water trucks, multiple haul trucks Griffith Company

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

COHA, green parrot, CALT, HOFI, NUWO, CASJ, CORA, MODO, LEGO, ANHU, NRWS, SPTO, CAQU, BEWR, NOMO, BLPH, ALHU, ACWO, BUSH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0650 twice weekly site monitoring

**Additional Comments**

N/A

Signature







photo\_1-20201002\_sediment removal\_facing N.jpg  
-118.17371 34.18589

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: October 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:35	68 °F	0-3 MPH	50 %
End of Day	11:45	89 °F	0-3 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Griffith Company loading sediment into haul truck using excavators. Dozer, front loader, blade, and water trucks present

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

nomo, calt, casj, cath, caqu, wcsp, spto, lego, amcr, anhu, acwo, wren, bush, ropi, side-blotched lizard, cottontail

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Conducted twice weekly LBV site inspection. No bio issues observed. ESA fence trash including signs still littered in reservoir. Most ESA signs have been removed by weather and need to be replaced, notified LACPW.

**Additional Comments**

smoky/hazy weather

**Signature**





**photo\_1-hauling operations.jpg**  
-118.17315 34.18805



**photo\_2-ESA sign torn off.jpg**  
-118.17181 34.19377





photo\_3-ESA sign detached from fence.jpg  
-118.17171 34.19358

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: October 7, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	52 °F	0-3 MPH	0 %
End of Day	10:30	64 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Sediment removal with grader, 2 excavators, bulldozer, 2 water trucks, multriple haul trucks Griffith Company - Joe (foreman)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, BUSH, CASJ, CALT, BEWR, COHA, green parrot, coyote, MODO, ANHU, CAKI, ACWO, LEGO, ALHU, BLPH, western fence lizard, SPTO, CAQU, NRWS, HOFI

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

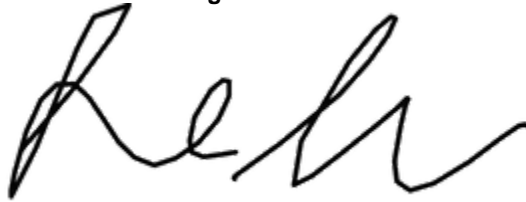
**Log Entry**

0630 twice weekly site monitoring

**Additional Comments**

N/A

**Signature**





photo\_1-20201007\_sediment removal\_facing W.jpg  
-118.17344 34.18908



photo\_2-20201007\_sediment removal\_facing NW.jpg  
-118.17274 34.1908



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: October 12, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:05	52 °F	0-3 MPH	0 %
End of Day	09:58	83 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Sediment removal, hauling, 70 trucks 400 loads/day. Griffith crew working in DG-W-1 basin on east side, using loader to stockpile boulders. NI restoration crew working on W side in DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, OATI, parrots, SOSP, ACWO, HOFI, MODO, BTPI, NUWO, YRWA, CASJ, RCKI, WTSW, EUST, WCSP, cottontail (s), BLPH, KILL, COYE, LEGO, BEWR, CATH, coyote, ANHU, COHA, SPTO, side-blotched lizard, RTHA, California ground squirrel (v), EUST, gulf fritillary

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0705 arrived onsite. Haul trucks bring loaded by excavators in 2 locations, along west interior side of basin and central location north of scales. Talked with Fahim (LACPW) at parking area.

0740 previously noted trash around stockpiled rocks had been cleaned up, but some loose trash still in area. ESA signs still in disarray and still noted on ground inside and outside orange snow fence.

0800 Griffith loader stockpiling boulders along north edge of already cleared DG-W-1 basin on east side. ESA fence down at 2 access points between basin and east restorations areas

0820 NW ESA fence has been repaired

0845 Spoke with NI to see if they had salvaged their equipment from the area north of WOUS-4.

0915 slide area by egress road rumble plates does not appear any larger

0935 end

**Additional Comments**

Coyote yipping at me from WOUS-4

**Signature**





**Facing\_S\_at\_downed\_fence.jpg**  
-118.17482 34.19039



**Looking\_W\_at\_slide\_area.jpg**  
-118.17724 34.18628

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: October 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	66 °F	0-3 MPH	0 %
End of Day	10:17	78 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

No construction activity.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, green parrot, CASJ, ACWO, BUSH, LEGO, MODO, RTHA, WCSP, ANHU, California ground squirrel, desert cottontail, HOFI

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

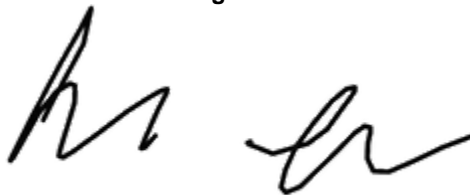
**Log Entry**

Twice weekly LBVI monitoring visit

**Additional Comments**

N/A

**Signature**







photo\_1-20201016\_project area\_facing N.jpg  
-118.1737 34.18552

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: October 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	62 °F	0-3 MPH	100 %
End of Day	09:30	69 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Sediment removal from center of site, excavator loading into haul trucks. Griffith continued clearing of DG-2 east of basin, delivery of water tank to Johnson Field.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, CORA, EUST, BLPH, YRWA, parrots, OATI, HOFI, WCSP, AMCR, SOSP, RTHA, CASJ, BUSH, MODO, CAQU, CAKI, coyote (v), CATH, ANHU, AMKE, WEBL, WEME, RCKI, ACWO, SPTO, KILL, AMPI, SAPH, desert cottontail, BGGN

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 arrived on site, haul trucks entering off Oak Grove, excavator loading in central portion of bssin.

0730 minor paper trash noted around stockpiled rocks, previously noted trash (minimal) still around parking area and no new trash in area, 2 access roads between basin and Johnson Field -open ESA fence.

0810 1 gap in eastern ESA fence, holes and sagging ESA fence along north fenceline, 3 sagging and/or gaps along western fenceline, previously noted ESA signs littering ground

0900 previously noted slope failure appears to be getting worse, more wet sediment pooling at bottom near restoration area, width of slide area seems wider, surface cracking noted east of current limits and seepage at bottom indicates more of the slope may also fail.

**Additional Comments**

Reported ongoing issues to Reza and Mary (County) who will meet Griffith at 10 to assess status of slope and determine if anything needs to be done to prevent further erosion.

**Signature**





**Looking\_E\_toward\_Johnson\_Field.jpg**  
-118.17178 34.19265



**Gap\_in\_ESA\_fence.jpg**  
-118.17142 34.19304





**Looking\_SW\_at\_western\_ESA\_fence.jpg**  
-118.17474 34.19036



**Looking\_S\_at\_runoff\_from\_egress\_road.jpg**  
-118.1772 34.18643

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischler**  
**Date of Log: October 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:10	66 °F	0-3 MPH	100 %
End of Day	10:25	74 °F	0-3 MPH	80 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Sediment removal from central portion of site and Johnson Field. Continued clearing of DG-4 WOUS west of basin and grading of DG-2 New channels.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

WCSP, LEGO, CALT, AMCR, COHA, BUSH, BGGN, CASJ, SAPH, BLPH, BEWR, HOFI, CAQU, RCKI, NUWO, RSHA, SPTO, parrots, AMRO, YRWA, AMKE, MODO, RTHA, KILL (15), CATH, WEBL, CAKI, ACWO, bobcat (t), EUST, woodrat, California ground squirrel

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0710 arrived at disc golf parking lot.

0725 haul trucks being loaded with excavator in central portion of basin, 2nd excavator loading on west side of Johnson Field. DG-4 WOUS continued clearing northward from road due east of parking lot entry road (Max monitoring).

0830 more seepage noted at slide area below egress rumble plates. Photodocumentation from all sides. Vibrations causing dry soils behind k-rail to also crack.

0845 empty sandbag and "trail closure" sign noted outside fence and sliding into Flint Canyon Wash across from Flint Trail day closure under Oak Grove Blvd. 1 orange construction cone in bottom of Flint Wash - may or may not belong to project.

0945 same sagging ESA locations and gaps in fence plus fence is down at northernmost access road on east side. ESA signs previously noted still on ground in project and restoration areas adjacent to orange snow fence line. 1 "trail closure" sign noted in basin north of Johnson Field below air quality monitoring station

**Additional Comments**

Spoke with Mary regarding slope and trail signs. She requested photos to include at their weekly meeting. Griffith and County will continue to keep an eye on slope and minimize water runoff in this area.

**Signature**





**Looking\_S\_from\_DG-4.jpg**  
-118.17721 34.18645



**Looking\_N\_at\_top\_of\_failed\_slope.jpg**  
-118.17736 34.18618





**Looking\_E\_from\_Flint\_Canyon\_Trail\_Closure.jpg**  
-118.17759 34.18574



**Looking\_N\_from\_basin\_N\_of\_Johnson\_Field.jpg**  
-118.17029 34.19249

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischler**  
**Date of Log: October 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	05:50	56 °F	4-6 MPH	0 %
End of Day	09:50	63 °F	10-12 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

No work due to Red Flag Warning issued 12am 10/26 through 7pm 10/27.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, SPTO, COHA, SOSP, CORA, WCSP, YRWA, parrots, horse (t), coyote (v), WREN, CATH, SAPH, BGGN, EUST, MODO, BUSH, BEWR, HOFI, CAQU, NUWO, AMPI, OATI

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0650 spoke with Mary at County trailer. Work cancelled for today due to red flag warning. She will add ECORP to notification list. Some trash in County yard next to dumpster which is closed and nearly full, but not overflowing. Mary will have it cleaned up first thing.

0705 Fausto and water truck driver waiting for me to make sure I knew work has been cancelled prior to them departing for day. Dozer tagged on both sides with graffiti.

0720 NI crew working in DG-4 east of equestrian stables.

0800 1 backhoe stockpiling gravel next to boulders before proceeding to tire wash area.

0810 same concerns as previously noted, gaps in ESA fence, ESA signs on ground, closure sign and sandbag and cone entering Flint Wash at Flint Trail closure, and slope erosion below egress road rumble plates.

0900 spoke with Aaron (Burns McDonell) who had concerns regarding lack of ESA fencing east of basin and gaps in fence at Johnson Field. Grading noted to edge of west road limits and southern grading limits, including minor amount of mule fat within the grading area for Johnson Field. No flagging or ESA fencing or stakes at limits.

0915 Santa Ana winds started. Dust kicking up in project area, but also north of project area.

0945 sign at Oak Grove entrance blew over, power outage at trailers and along Oak Grove Blvd. 2 water trucks wetting down basin in attempt to minimize dust. Branches along Oak Grove and Berkshire due to winds. Trash had been cleaned up at County trailers.

**Additional Comments**

Clear, but air quality quickly deteriorating throughout LA and OC due to Santa Ana winds. Consider work cancelled tomorrow due to Red Flag Warning unless we hear from County (by 9pm) otherwise.

**Signature**





**Facing\_N\_trash\_at\_trailers.jpg**  
-118.17341 34.18526



**Looking\_N\_during\_winds.jpg**  
-118.17372 34.18535





Tagged\_dozer.jpg  
-118.17309 34.19185



Looking\_SW\_at\_egress\_slope.jpg  
-118.17671 34.18648

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jill Coumoutso**  
**Date of Log: October 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:10	51 °F	0-3 MPH	0 %
End of Day	11:15	79 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

General site check- excavation taking place.

Did you observe any special-status species? ☐ Yes ☒ No

Were any least Bell's Vireo detected? ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA CASJ HOFI CALT YRWA

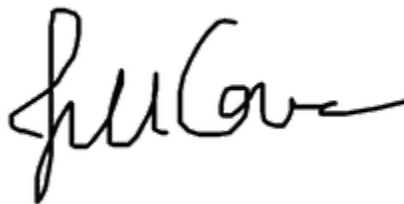
Did You Observe any Non-Compliance Issues? ☐ Yes ☒ No

**Log Entry**

General site check, excavation taking place

**Additional Comments**

Signature

A handwritten signature in black ink, appearing to read 'Jill Coumoutso', written in a cursive style.



**Excavation\_SW\_1.jpg**  
-118.17515 34.189



**Excavation\_NE.jpg**  
-118.17506 34.18927





**Excavation\_NW.jpg**  
-118.17503 34.18935



**Excavation\_SW\_2.jpg**  
-118.17505 34.18931

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: November 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °F	0-3 MPH	20 %
End of Day	09:55	77 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Continued sediment removal in central and western portion of basin; 2 excavators and approximately 30 haul trucks. No Griffith grading in Johnson Field or WOUS restoration areas noted.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

NUWO, OATI, BLPH, AMCR, ACWO, RTHA, MODO, RCKI, WCSP, YRWA, BUSH, HOFI, CALT, NOFL, ANHU, BGGN, BEWR, WEBL, CATH, CAQU, CASJ, AMKE, COHA, California ground squirrel (v), side-blotched lizard, SPTO, SOSP

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 NI meeting below disc golf parking lot.

0640 pedestrian with 2 off leash German shepherds and a dog whistle noted walking northbound along trail to stables. Uncontrolled dogs rearing through the native riparian habitat and riling up the coyote pack.

0700 haul trucks on site. 2 excavators loading in central and western portions of site.

0740 no work east of basin including Johnson Field but stakes denoting gas line were noted.

0750 Altadena drainage outlet to basin is blocked by berm causing pooling east of haul road and pooling on haul road. Gaps in ESA fence and ESA signs noted on ground.

0820 Boulders noted in Flint Canyon Wash outlet.

0945 signs still falling toward wash at Flint Wash trail closure.

**Additional Comments**

Spoke with Mary at County trailers at 8am. No work at Altadena drainage will occur this year, and waiting to hear from Griffith if restoration grading will continue.

**Signature**





**Looking west at ESA gap and sign.jpg**  
-118.17169 34.19378



**Looking NE at DG-2(WOUS) soil deposit zone.jpg**  
-118.17286 34.18885





Looking\_E\_at\_Altadena\_drain\_outlet.jpg  
-118.17388 34.18694



Looking\_NW\_at\_sediment\_removal\_ESA\_fence.jpg  
-118.17625 34.18695

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: November 6, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:15	50 °F	0-3 MPH	55 %
End of Day	09:05	72 °F	0-3 MPH	20 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Continued sediment removal from basin. 3 excavators loading haul trucks in center portion of basin. 3 dozers and water truck pushing sediment from bluff to westernmost excavator. Occasional grading of haul road. No work outside basin

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

ACWO, parrots, AMCR, OATI, CEDW, YRWA, ANHU, HOFI, COHA, CALT, RCKI, SOSP, BUSH, MODO, BGGN, CASJ, BEWR, WCSP, WEKI, RTHA, BLPH, cottontail, CAQU, WEBL, COYE, EUST, sign of coyote, gopher, woodrat, domestic horse, domestic dog

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0615 arrived, 2 Griffith POVs

0630 trail closure sign, cone, and empty sandbag still noted off trail falling toward Flint Canyon Wash between Oak Grove and I-210

0640 tracked vehicle treads and outline of dozer bucket noted west of rumble plates at upper edge of slide area.

Seepage and sediment continues to creep in to restoration area below

0700 haul trucks on site being loaded by 3 excavators in central portion of basin.

0715 haul trucks paused and waiting for grader to grade egress road below rumble plates. NI working in DG-4A west of basin.

0730 ESA fence has been repaired, but removed portions were left on ground in 2 locations (photos 3 and 4). Only 1 ESA sign noted on ground along western boundary, new gap in fence along northern boundary and evidence of dirt bike entry in to site. ESA fence open at access roads to restoration areas

0815 stockpiled vegetation and dumpsters have been removed from DG-2 (new channels) and northern portion of DG-2 (WOUS)

**Additional Comments**

Updated Mary at County trailer and will send her photos from today.

**Signature**





**Looking\_E\_at\_tracks\_at\_top\_of\_egress\_slope.jpg**  
-118.17736 34.18629



**Looking\_NE\_at\_sediment\_removal\_operations.jpg**  
-118.17612 34.18916





Looking\_E\_at\_repaired\_ESA\_fence\_trash.jpg  
-118.17493 34.19029



Looking\_N\_at\_N\_ESA\_fence\_trash.jpg  
-118.17121 34.19439

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: November 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	08:50	55 °F	0-3 MPH	0 %
End of Day	11:05	58 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Sedimentation removal and grading of basin: 2 excavators loading haul trucks, 3 dozers, 1 grader, water truck, sweeper. 1 excavator and water truck clearing vegetation from lower 1/2 of DG-W-2 (outlet) with biological monitor (Carley) and Griffith monitor present.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

WCSP, CASJ, YRWA, ACWO, BGGN, BEWR, SOSP, HOFI, COYE, WEKI, BLPH, SAPH, RCKI, RTHA, CORA, KILL, ANHU, LEGO, side-blotched lizard, cottontail (s), domestic horse (t)

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0900 spoke with biological monitor at DG-W-2

0910 same gaps in ESA fencing from Friday plus 3 additional gaps along west fence boundary and 1 in NE corner. Removed snow fencing from repairs still in 2 locations on ground. 4 ESA sign noted littering ground along western boundary.

1000 more dirt over edge of egress road. Dozer parked SE of rumble plates. Laborer with push broom hand sweeping rumble plates. Water truck dust control kept to dirt haul roads, and sweeper remaining on asphalt and concrete ramps above rumble plates. Not too wet below slope despite rains over weekend.

1015 sign, sandbag, and cone still off trail at Flint Canyon Wash Trail closure

1045 no change at Johnson Field

1125 departed from site

**Additional Comments**

N/A

**Signature**





Looking\_S\_at\_west\_fenceline.jpg  
-118.17471 34.19037



Looking\_SW\_at\_west\_ESA\_fenceline.jpg  
-118.17611 34.18914





**Gaps\_in\_ESA\_fence.jpg**  
-118.17654 34.18846



**Looking\_W\_at\_top\_of\_slope\_by\_rumble\_plates.jpg**  
-118.1773 34.18623

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: November 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	46 °F	0-3 MPH	0 %
End of Day	09:31	50 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Sediment removal with grader, two excavators, wheel loader, two water trucks, multiple haul trucks. Griffith Company: Joe (foreman)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

ACWO, LEGO, CORA, BUSH, SOSP, CASJ, MODO, coyote, raccoon (tracks), desert cottontail, CAQU, CALT, HOFI, CAKI, RTHA

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 biweekly site check

**Additional Comments**

Several sections of fencing damaged or missing.

**Signature**





**photo\_1-20201113\_damaged fencing at NE corner\_facing N.jpg**  
-118.17081 34.19413



**photo\_2-20201113\_sediment removal\_facing S.jpg**  
-118.1724 34.1922



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: November 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	08:35	72 °F	0-3 MPH	0 %
End of Day	11:00	82 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Griffith Company hauling. 2 excavators, 2 blades, 2 dozers south of Johnson field with restoration monitor, 1 dozer at Alta Dena drain removing vegetation with monitor

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

lego, caki, bewr, nofl, sosp, hofi, wcsp, desert cottontail, anhu, cora, casj, calt, wtsw, yrwa, side-blotched lizard, western fence lizard, acwo, stellars jay, blph, modo, oati

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0835 arrived on site for twice weekly site check, checked in with monitor at Alta Dena drain and monitor at Johnson field, walked perimeter of site. several areas of fence down as previously noted, some by public, some areas to allow for transportation of equipment to restoration areas. esa fencing down as previously noted. final cleanup of fence should have biologist present to ensure all pieces are picked up. Sediment removal occurring as normal. No bio issues observed.

**Additional Comments**

N/A

**Signature**





**photo\_1-hauling operations.jpg**  
-118.17316 34.18804



**photo\_2-esa sign falling off fence.jpg**  
-118.17294 34.18862



photo\_3-hauling operations.jpg  
-118.17485 34.19025



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: November 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	08:15	58 °F	0-3 MPH	0 %
End of Day	10:42	65 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Sediment removal, grade build, and fence removal with wheel loader, 4 excavators, grader, bulldozer, multiple haul trucks. Griffith Company, Joe (foreman).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

ACWO, CASJ, CALT, CAQU, CATH, BEWR, MODO, ROPI, CORA, PSFL, California ground squirrel, coyote, WCSP, BLPH, HOFI, LEGO, SOSP, side-blotched lizard, EUST

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

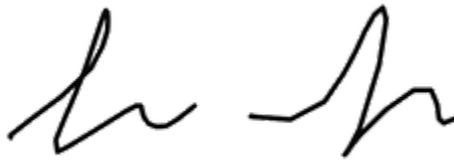
**Log Entry**

0815 Biweekly site check.

**Additional Comments**

Spoke with fence removal crew and asked them to be diligent about picking up discarded zip ties and small scraps of fencing.

**Signature**





photo\_1-20201120\_sediment removal\_ facing S.jpg  
-118.17346 34.18906



photo\_2-20201120\_fence removal\_ facing W.jpg  
-118.17137 34.19442

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: November 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	09:00	58 °F	0-3 MPH	0 %
End of Day	13:15	68 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Demobilization activities

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, LEGO, RCKI, parrot, CORA, coyote (t, den), SOSP, COYE, WCSP, domestic horse (s,t)

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0910 met Qays (County) for walk through of ESA fence removed on Saturday.

0915 noted 10' section of fence that has not been removed. On SW corner of Altadena outlet by DG-3B, will need to be removed by hand. Pointed out to Joe and Keith.

0920-1210 Keith (Griffith) armed with gloves and 2 black trash bags assigned to walk around. Picked up minor amounts of zipties and snow fence fragments, approximately 12 ESA signs, and 2 bags worth of random loose trash, mostly non-construction related. Several rebar and non project scrap metal were set along road edges for Griffith to pick up later. Wood stakes with flagging was abundant but seen being gathered at end of inspection. 3 locations marked in Collector with photos where skip loader and shovels will be needed to dig out snow fencing and rebar buried along NW fenceline, 1 will need to avoid disturbing woodrat midden.

0945 crew is cleaning up parking area, water tanks still at parking area and Johnson Field. Will need to be inspected after Griffith moves out the larger items.

1130 large 30' section of snow fence unearthed in SW corner of basin and left for Griffith to pick up later.

1145 rumble plates still in place, slope photodocumented and noted to be larger than previous inspection 2 weeks prior. Sign and cone in Flint Wash does not have Griffith on them, so may not be theirs. Pointed out to Keith, but inaccessible due to fence and dangerous to try to retrieve.

1230 conveyed issues to Lauren (ECORP) and Mary (County). Told them that snow fencing by woodrat midden would require bio monitor and may be left in place if unlikely to be very much and likely to destroy midden which is outside construction limits.

1245 trash noted east of haul road across from Altadena drainage.

1250 went with Keith and crew to remove the rebar and snow fence in NW portion of basin. Successfully cleaned up those areas and preserved woodrat midden. Crew will head over to clean up loose trash noted alongside ingress road in SE portion of basin.

1315 departed from site.

**Additional Comments**

Weekly site check

Photos recorded by Qays (County) and C. Tischer.

**Signature**





## Habitat Restoration Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: October 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	72 °F	0-3 MPH	40 %
End of Day	14:40	103 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (10) hand-pulling in north of DG-4

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

Desert cottontail, CATH, CASJ, CALT, BEWR

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Crew clearing remaining patches of poison hemlock, pepperweed, and mustards in the same area of DG-4 worked in previous days this week. Removed several protective cages where the plant is dead or has grown too large for the cage. Two crew went to east side for 1.5 hours to check irrigation lines and fix a break. Griffith approached these two and requested NI remove eucalyptus resprouts along access road at DG-3A. Will address another day when monitor can be present.

1230 Daniel and MCP walked to east side to see where vegetation will be removed in DG-2 new channels.

Equipment arrived at 1300 and work will begin tomorrow 10/2.

1415 Three crew went to east side to move skid-steer to Johnson Field and drop removed cages at container.

1430 crew stopped pulling and cleaned up vegetation piles.

**Additional Comments**

N/A

**Signature**





**Before weeding\_facing N\_DG-4.jpg**  
-118.17221 34.19403



**Clearing mustard\_facing NE.jpg**  
-118.16613 34.2014





**After weeding\_DG-4.jpg**  
-118.17224 34.19404

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: October 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	71 °F	0-3 MPH	0 %
End of Day	14:40	101 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand-pulling, raking and hoeing understory nonnative weeds, one crew member operating a skid-steer in DG-2 new channels and then DG-4.

**Did you observe any special-status species?** ☒ Yes ☐ No

Yellow breasted chat, Yellow warbler

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

YBCH (late), YEWA, WIWA, AUWA, CAQU, RTHA, WCSP, SOSP, LISP, HUVI, RCKI, LEGO, SPTO, CALT, Coyote, 8 Pacific Rattlesnakes, 3 woodrats, 10+ Western Fence Lizards.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Crew raking/hoeing understory on hillside on northeast edge of DG-2. Skid-steer mowing center line of DG-2 new channels for survey access, from 0700-1015. Crew stopped vegetation work at 1205 when bio left to supervise skid-steer on west side (DG-4). Skid-steer plowing center line in DG-W-2 (outlet) from 1250-1340. All vegetation work in need of bio monitoring finished at 1340. 2 crew went to check mainlines at 1130. 1 YEWA observed at 0916. 1 YBCH observed at 0930, 25m southwest of YEWA location. 3 woodrats observed during skid-steer clearing; no den apparent, rats ran away unharmed. 8 juvenile rattlesnakes found in a wallow on the west side in DG-4, by crew checking irrigation, biologist DKB relocated all 8 of them away from irrigation lines to a nearby willow patch.

**Additional Comments**

N/A

**Signature**





Juvenile\_pacific\_rattlesnake\_one\_of\_eight\_moved\_DG-4.jpg





**Skitzer\_vegetation\_clearing\_before\_facingN.jpg**



**Skitzer\_vegetation\_clearing\_after\_facingN.jpg**



**Vegetation\_clearing\_crew\_during\_facingN.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	70 °F	0-3 MPH	10 %
End of Day	15:00	93 °F	4-6 MPH	25 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures image crew of 9 hand pulling poison hemlock and perennial pepperweed in western side of site, area DG-4A.  
Use of masticator to clear the above species in western side of site, areas DG-4, DG-4A.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, CALT, BUSH, SOSP, woodrat, southern alligator lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 monitored vegetation clearing.

1200 conducted pre work sweep for an area that was to be masticated.

1245 monitored use of a masticator.

1400 observed a woodrat in the work area, which attempted to escape by burrowing beneath a downed pile of poison hemlock directly in the path of the masticator. Use of the masticator was immediately ceased, and the woodrat moved out of its path.

1410 masticator was moved back to parking lot, a southern alligator lizard was observed in its path and removed.

1420 monitored vegetation clearing.

1430 crew began removing downed vegetation while I took photos and worked on the daily log.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'Michael Walsh', with a stylized, overlapping flourish at the end.





**photo\_1-DG-4A\_using\_masticator\_facing\_NW\_during.jpg**



**photo\_2-DG-4A\_starting\_handpulling\_facing\_N.jpg**  
-118.17535 34.19171



photo\_3-Elgaria\_multicarinata\_being\_moved\_from\_work\_area.jpg  
-118.17597 34.19131



photo\_4-DG-4A\_after\_pulling\_facing\_N.jpg  
-118.1757 34.19156

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: October 6, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	67 °F	0-3 MPH	100 %
End of Day	13:45	78 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand-pulling/raking/hoeing and skid-steering in DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

ACWO, NUWO, BLPH, CAKI, SAPH, BUSH, AUWA, BEWR, LISP, WCSP, western fence lizard.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

5 crew vegetation work in DG-4. 3 crew irrigation maintenance 0645-1300. 1 crew skid-steer from 0700-1045, 1130-1300. — Following flagged ECORP track. Path altered slightly (<2 m variation) to avoid two woodrat middens. One woodrat midden removed after bio inspected it for several minutes and confirmed it abandoned. 3 crew microlines at 1315. Crew stopped vegetation work at 1320.

**Additional Comments**

N/A

Signature







Skidsteer track\_after\_DG-4\_facingN.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: October 7, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	13:50	83 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (7) hand-pulling in DG-4, DG-4A, and DG-4 sheetflow, then moved to planted areas in DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, CORA, CASJ, MODO, CATH, BEWR

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 Crew pulling dead poison hemlock and pepperweed from edges of area cleared with skid-steer in DG-4 sheetflow and surrounding DG-4 and DG-4A.

0800 Walked centerlines at DG-W-2 mining pit and DG-4 WOUS (cleared by NI yesterday).

0930 Crew moved to DG-4 to clear planted area where pepperweed has resprouted.

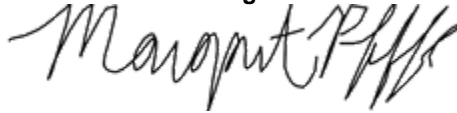
1130 Foreman and two crew went to east side to move equipment container.

1330 Crew on west side stopped pulling and cleaned up, then went to east side to help move remaining equipment.

**Additional Comments**

N/A

**Signature**





**Before clearing\_DG-4A\_facing W.jpg**  
-118.17592 34.19135



**Hand-weeding\_DG-4\_facing E.jpg**  
-118.17457 34.19183





Hand-weeding\_DG-4\_after\_facing E.jpg  
-118.17457 34.19186

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: October 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	100 %
End of Day	14:15	76 °F	4-6 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (10) hand-pulling in DG-4, DG-4B, and DG-4C and cutting eucalyptus in DG-3A.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU, CALT, BUSH, CORA, SOSP, HOFI, BEWR

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 Crew continues weeding in planted area of DG-4. Had a couple guys focus on removing dodder from container plants and cutting back stinging nettle where it will block access for future weeding.

0715 Didier and 1 other guy went to east side to finish moving equipment into container.

1000 I went to east side to monitor cutting back eucalyptus resprouts along main truck road in DG-3A. Finished at 1230 and returned to west side. Crew continued hand-pulling in DG-4B and DG-4C. Stopped pulling at 1400.

**Additional Comments**

N/A

**Signature**





**Castor bean before\_facing E.jpg**  
-118.17433 34.19144



**Removing dodder\_DG-4\_facing S.jpg**  
-118.17444 34.1914





**Eucalyptus resprouts\_before\_facing S.jpg**  
-118.17313 34.1873



**DG-3A after.jpg**  
-118.17314 34.18723

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: October 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	100 %
End of Day	13:50	75 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand-pulling, raking, hoeing pepperweed in DG-4, near Twin Boulders area.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU MODO BEWR HOWR BGGN BUSH WEBL SAPH BLPH RTHA RSHA CASJ ORJU RCKI CATH CALT RCPA  
YCPA SPTO SOSP LISP WCSP ACWO NUWO NOFL AUWA COYE CEDW OATI WREN western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630-1346 monitored vegetation work in DG-4 near Twin Boulders area. Crew stopped vegetation work at 1346.  
Pretty uneventful day.

**Additional Comments**

N/A

**Signature**





**Vegetation\_clearing\_before\_facingN.jpg**



**Vegetation\_removal\_activities.jpg**





Cleared\_vegetation.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 12, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	64 °F	0-3 MPH	0 %
End of Day	15:00	93 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling perennial pepperweed in NW area of project site, DG-4, DG-4A.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, CATH, LEGO, BLPH, BEWR, ANHU, side-blotched lizard, CALT, ANHU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 WEEP training with Robert Perez.

0700 monitored manual vegetation removal in western project area (DG-4) targeting perennial pepperweed, poison hemlock.

0900 a few crew members pulled out irrigation to make way for future grading in area DG-4/DG-4A.

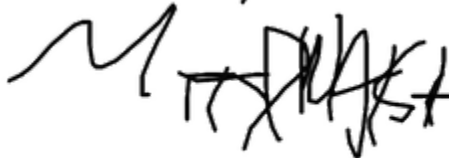
1030 crew moved to second site in DG-4A after finishing weeding the aforementioned area.

1445 crew began cleaning up while I took photos of the site and worked on the daily log.

**Additional Comments**

N/A

Signature





photo\_1-DG-4\_starting\_hand\_pulling\_facing\_S.jpg



photo\_2-DG-4\_after\_hand\_pulling\_facing\_S.jpg





photo\_3-DG-4A\_starting\_hand\_pulling\_facing\_S.jpg



photo\_4-DG-4A\_after\_hand\_pulling\_facing\_S.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Mike Walsh**  
**Date of Log: October 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	70 °F	0-3 MPH	0 %
End of Day	15:00	93 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling perennial pepperweed on NW Project area: DG-4, DG-4A.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, CATH, BUSH, WCSP, CALT, Bobcat, CAQU, ALHU, HOFI, BEWR, OCWA, ANHU, SPTO, COHA, COYE, BUSH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: monitored vegetation clearing in areas DG-4, DG-4A.

0930: found a dilapidated bird nest which still had eggs in it, moved crew 50 ft west, monitored nest from a distance.

1100: determined nest was abandoned, allowed crew to resume efforts near it.

1200: pre surveyed tomorrow's likely area for crew efforts.

1430: crew began cleaning up while I took photos and finished the report.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'M. Walsh', with a stylized, overlapping flourish at the end.





**Photo\_1\_DG-4\_before\_ handpulling\_ facing\_W.jpg**



**Photo\_2\_DG-4\_after\_ handpulling\_ facing\_W.jpg**





Photo\_3\_DG-4\_before\_handpulling\_facing\_S.jpg



Photo\_4- DG-4\_after\_handpulling\_facing\_S.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: October 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	67 °F	0-3 MPH	0 %
End of Day	14:30	95 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (10) hand-pulling in DG-4

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, CALT, BTHU, COHA, BEWR, HOFI, CORA, BGGN, WCSP, SOSP, SPTO, OCWA, RSHA, COYE, desert cottontail, western harvest mouse

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

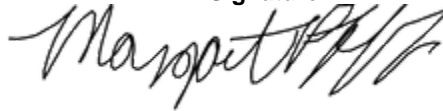
Crew continuing to hand-pull in DG-4 area planted with willow/mulefat stakes. Ground is wet throughout this planting area and the other across the trail. NI reduced irrigation cycle to 3 days per week from 7 now that stakes are doing better.

1000 Three crew members went to check irrigation. While in the north end, they found a harvest mouse with a nest inside an irrigation box. Instructed that they remove the lid and went over to check. After monitor removed the nest, the mouse ran into the nearest clump of buckwheat unharmed. Left lid open for 30 minutes to discourage return. Will check the box again tomorrow. Crew stopped pulling at 1415.

**Additional Comments**

N/A

**Signature**







**Before weeding\_DG-4\_facing S.jpg**  
-118.17544 34.19025



**After weeding.jpg**  
-118.1754 34.19033

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**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: October 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	65 °F	0-3 MPH	0 %
End of Day	15:35	96 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (9) hand-pulling in DG-4

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, BUSH, WCSP, RCKI, RTHA, CALT, BLPH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Crew continuing to hand-pull in same planted area of DG-4 as yesterday, moving south. Weeds are primarily perennial pepperweed with some Solanum nigrum, Ageratine adenophora, and Eucalyptus. Crew stopped pulling at 1415.

**Additional Comments**

N/A

**Signature**





**Before weeding\_planted area of DG-4.jpg**  
-118.17535 34.19019



**Before\_same area.jpg**  
-118.17525 34.19016





**After clearing\_planted area of DG-4.jpg**  
-118.1753 34.19019



**After weeding.jpg**  
-118.17523 34.19014



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: October 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	4-6 MPH	0 %
End of Day	12:26	90 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand-pulling pepperweed.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU MODO ANHU ALHU TUVU COHA RTHA RSHA ACWO NUWO NOFL AMKE RCPA BLPH SAPH CAKI WAVI  
CASJ AMCR CORA MOCH OATI BUSH WREN RCKI WBNU BGN HOWR BEWR EUST CATH NOMO WEBL  
HOFI LEGO CHSP BRSP DEJU WCSP SOSP SAVS LISP CALT SPTO WEME OCWA AUWA COYE western toad,  
western fence lizard.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630-1210: NI crew hand-pulling pepperweed in DG-4/DG-4A. Bio had to relocate a 1.5 inch western toad at 1007.  
Crew stopped vegetation work at 1210 to focus on microlines checks, maintenance, and plant watering. Bio left site at 1225 after writing report.

**Additional Comments**

Heat advisory.

**Signature**





**Vegetation\_clearing\_after\_facingE.jpg**



**Vegetation\_clearing\_after\_facingSW.jpg**



Western Toad\_relocated at 1007.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	57 °F	0-3 MPH	100 %
End of Day	14:15	80 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Natures Image crew of 7 hand pulling perennial pepperweed, poison hemlock, and mustard in 2 parts of DG-4 on the western side of the site. Began near twin boulders, then moved to the far western border near the power lines.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BUSH, CALT, CAQU, LEGO, western toad, ACWO, BEWR, SAPH, BLPH, EUST, AMCR, CASJ, MODO, BEKI, WCSP, CATH, HOFI, OATI, SPTO, CORA, ANHU, coastal whiptail, COYE, western fence lizard, OCWA, AMKE

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: monitored vegetation removal in DG-4.

0645: juvenile western toad found in work area, individual was removed from area.

0700: thick fog rolled in, minimal bird activity.

0930: fog lifted.

1000: moved crew to western border of DG-4 to work along the trail.

1345: crew began trapping vegetation while I inspected the site and took photos.

**Additional Comments**

Spent bullet casing found on property at (34.1917413, -118.1763462), one of the disc golf pads on the westernmost trail in the restoration area. What they were shooting at is not clear.

Signature

A handwritten signature in black ink, appearing to read 'M Walsh', written over a horizontal line.



**Photo-1-DG-4\_starting\_handpulling\_facing\_E.jpg**  
-118.17535 34.19132



**Photo-2-DG-4\_after\_handpulling\_facing\_E.jpg**  
-118.17534 34.19134





**Photo-3-DG-4\_starting\_handpulling\_facing\_E.jpg**  
-118.17639 34.19161



**Photo-4-DG-4\_after\_handpulling\_facing\_E.jpg**  
-118.17637 34.19147



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	100 %
End of Day	14:15	79 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 hand pulling perennial pepperweed, mustard, and annual grasses in DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BUSH, WCSP, CALT, BEWR, CASJ, COHA, LEGO, ACWO, MODO, AMCR, CATH, COYE, CHSP, SPTO, CAQU, HOFI, ANHU, RCKI, western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 monitored vegetation clearing in DG-4 on westernmost trail.

0900: pre work survey of the area just south of current work area to look for the owl, which was not located.

1000: monitored vegetation clearing.

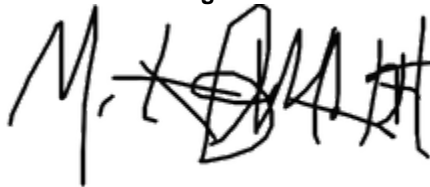
1130: crew began clearing vegetation along the border of DG-5 and DG-4.

1345: crew began picking up spare vegetation while I took photos and inspected the site

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'M. Walsh', written over a grid of lines.



photo\_1-DG-4\_before\_handpulling\_facing\_S.jpg  
-118.17628 34.19147



photo\_2-DG-4\_before\_handpulling\_facing\_S.jpg  
-118.17645 34.19143





photo\_3-DG-4\_after\_handpulling\_facing\_S.jpg  
-118.17627 34.19146



photo\_4-DG-4\_after\_handpulling\_facing\_S.jpg  
-118.17645 34.19143



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: October 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	100 %
End of Day	13:04	71 °F	4-6 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand-pulling and hoeing understory, pepperweed, and tree of heaven.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU MODO BTPI ANHU KILL TUVU COHA ACWO NUWO AMKE RCPA BLPH SAPH CASJ AMCR CORA OATI  
RCKI BUSH WBNU BGGN BEWR CATH AMRO AMPI HOFI LEGO CHSP ORJU WCSP SAVS SOSP CALT SPTO  
LISP OCWA AUWA TOWA COYE western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

5-person NI crew + bio in DG-4 on border of DG-5, hoeing understory. Primarily pepperweed, one Tree of Heaven removed at 0850. 3 crew members left to do plant watering at 1200. Crew stopped vegetation work and began micro line checks at 1300.

**Additional Comments**

N/A

Signature





Vegetation\_clearing\_before\_facingE.jpg



Tree\_of\_Heaven\_felled\_0854\_facingSE.jpg



Vegetation\_clearing\_activities.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: October 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	100 %
End of Day	12:56	75 °F	0-3 MPH	90 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew hoeing understory and handpulling pepperweed and tree tobacco

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU WCSP WEBL KILL MALL BEWR BUSH BGGN RCPA BLPH NUWO ACWO western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630-1245 NI crew hoeing/hand pulling weeds in northern section of DG-4. 2 crew went to east side irrigation 1256 rest of crew stopped vegetation work and did maintenance /microline checks for rest of day. Bio left site at 1256.

**Additional Comments**

N/A

**Signature**





**Vegetation\_clearing\_area\_during\_facingS.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: October 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	0-3 MPH	100 %
End of Day	14:00	73 °F	4-6 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

The crew, 6 individuals from Natures Image worked on vegetation clearing with hand tools (rake, hoe) in DG-4 and DG-4A. Crew worked on checking the irrigation lines in the afternoon.

**Did you observe any special-status species?** ☒ Yes ☐ No

Loggerhead shrike

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

AMCR, WCSP, CORA, BLPH, RCPA, SPTO, BUSH, MODO, ACWO, LEGO, EUST, CASJ, (multiple coyotes singing), CALT, HOFI, WEGU, LOSH, SAPH, YRWA, CATH, NUWO, CHSP, BEWR, ANHU, California ground squirrel, desert cottontail, TUVU, NOFL, CAQU, RTHA, OATI, LEGO, COHA

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 tailboard with crew. Crew worked in DG-4 with hand tool removing non-native vegetation. Non-native species removed include: mustards, brome grasses, Russian thistle. Around noon, the crew started working on DG-4A, hand removing the same species. They bagged pulled vegetation and trips were made to the dumpster. All travel by vehicle was at a very slow speed (<5mph) for safety of pedestrians and to avoid dust. At 1345, the entire crew switched to working on checking the irrigation. Biologist checked the site one last time and completed end of day report and left site at 1400.

**Additional Comments**

N/A

Signature







**Vegetation\_clearing\_after\_facingS.jpg**  
-118.17293 34.19346



**Vegetation\_removal\_during\_facingNE.jpg**  
-118.17288 34.19347



**Vegetation\_clearing\_during\_facingE.jpg**  
-118.17274 34.19356



**Vegetation\_clearing\_after\_facingW.jpg**  
-118.17295 34.1938



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	57 °F	13-15 MPH	10 %
End of Day	14:15	66 °F	10-12 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 hand pulling mustard, horehound, and perennial pepperweed in DG-4 on the northwestern part of the site.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, CASJ, BUSH, AMCR, ACWO, BRBL, BEWR, WCSP, San Diego alligator lizard, MODO, HOFI, EUST, SAPH, CAQU, RSHA, CATH, BHCO, RTHA, COHA, deer mouse, side-blotched lizard, coastal whiptail, BLPH, BGGN

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: monitored vegetation clearing in DG-4.

0745: San Diego alligator lizard found in work area, was safely relocated outside of work area.

0920: extremely high wind gusts caused a dust storm, crew temporarily stops work for 15 minutes

1010: pair of deer mice found in the work area. They did not relocate, so the crew shifted focus to a different patch.

1345: crew began bagging up pulled vegetation while I took photos and inspected the site.

**Additional Comments**

N/A

Signature







**photo\_1-DG-4\_before\_handpulling\_facing\_E.jpg**  
-118.17338 34.1939



**photo\_2-DG-4\_before\_handpulling\_facing\_W.jpg**  
-118.17342 34.19393



**photo\_3-DG-4\_after\_handpulling\_facing\_E.jpg**  
-118.17346 34.19391



**photo\_4-DG-4\_after\_handpulling\_facing\_W.jpg**  
-118.17345 34.19389

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: October 27, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	4-6 MPH	5 %
End of Day	13:30	75 °F	4-6 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling mustard and horehound in DG-4 on the northwestern area of the site.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

MODO, HOFI, EUST, CASJ, CALT, ACWO, CAQU, BEWR, RTHA, BUSH, WCSP, YRWA, LEGO, SAPH, SOSP, BGGN, ANHU, AMKE, BLPH, SSHA, San Diego alligator lizard, side-blotched lizard, western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645: gave WEEP training to German Lira.

0730: monitored vegetation clearing in DG-4.

0800: removed San Diego alligator lizard from work area, continued monitoring.

1300: crew began wrapping up pulling while I inspected the site and took photos.

1330: I left earlier than usual due to poor AQI, Natures Image crew worked on other things that didn't require a monitor after I left.

**Additional Comments**

AQI was around 160 most of the day, all crew members wore KN95 masks.

**Signature**

A handwritten signature in black ink, appearing to read 'M. Walsh', with a stylized, overlapping flourish to the right.





**photo\_1-DG-4\_before\_handpulling\_facing\_N.jpg**  
-118.1724 34.19451



**photo\_2-DG-4\_after\_handpulling\_facing\_N.jpg**  
-118.17241 34.19448

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: October 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	50 °F	0-3 MPH	0 %
End of Day	14:00	75 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (6) hand-pulling in north end of DG-4

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

HOPI, CORA, CASJ, BUSH, BEWR, CAQU, CALT, ACWO

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

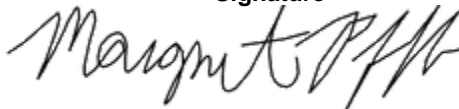
**Log Entry**

Crew continuing hand-pulling in north area of DG-4. Non-natives were primarily mustards and perennial pepperweed. Two crew went to grading area to observe sub-contractor as they drive over main water pipe and a third went to close the valves in that area. Some plants show damage from high winds earlier in the week. At least two cars drove through the parking area near the air quality monitoring station #3 throughout the day. The gate was left open all day for construction access to the mining pit and SCE tree-trimming.

**Additional Comments**

N/A

**Signature**





**Before weeding\_DG-4\_facing NW.jpg**  
-118.17204 34.19517



**After weeding\_wind damage.jpg**  
-118.17206 34.19512



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: October 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	51 °F	0-3 MPH	0 %
End of Day	14:45	85 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (6) hand-pulling in south area of DG-4

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BLPH, LEGO, CALT, BEWR, ANHU, western toad, HOFI, CORA, RCKI, CASJ, COYE, fox squirrel, GBHE, COHA, BUSH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 Grading and tree-trimming work continues around the site, limiting where the crew can work. Started pulling in small planted area along west road.

0815 crew finished small area and moved to small planted area near YEWA-1.

0850 SCE tree trimming crew starting work along road. Crew walked through restoration areas to stay out of their way.

0905 Relocated a western toad from the work area, temperature still cool so slow moving. Observed a great blue heron in the top of a large oak above Berkshire Creek at 1130 and a Cooper's hawk flying under the canopy at 1300. Both seem confused by noise and disruption of SCE work. Crew stopped pulling at 1435.

**Additional Comments**

N/A

**Signature**





**Small planted area\_before\_facing E.jpg**  
-118.17737 34.18974



**Area cleared.jpg**  
-118.17734 34.1898





**Before weeding\_DG-4\_facing NE.jpg**  
-118.1767 34.18961



**After weeding\_DG-4\_facing NE.jpg**  
-118.1767 34.1896



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: October 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	58 °F	0-3 MPH	0 %
End of Day	13:27	85 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand-pulling/raking understory pepperweed

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU MODO ANHU TUVU COHA RTHA ACWO NUWO NOFL RCPA BLPH SAPH CAKI HUVI STJA AMCR OATI  
BUSH RCKI BEWR CATH NOMO WEBL HETH AMRO CEDW HOFI PUF1 LEGO ORJU WCSP SAVS SOSP LISP  
CALT SPTO WEME OCWA AUWA western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

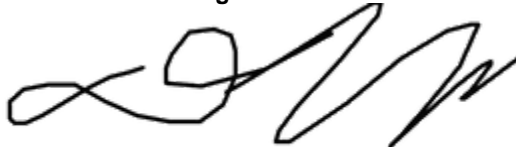
**Log Entry**

0640-1410 NI crew raking/handpulling/hoeing understory in DG-4 "Primrose". Crew stopped vegetation work at 1410.

**Additional Comments**

N/A

**Signature**





photo\_1-work in understory\_DG-4\_during.jpg



photo\_2-work in understory\_DG-4\_after.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: November 3, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	59 °F	0-3 MPH	3 %
End of Day	14:50	78 °F	4-6 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 hand pulling perennial pepperweed, mustard and annual grasses near the southern parking lot on the west side in the DG-4B area.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, ACWO, CORA, BUSH, BEWR, AMCR, WCSP, MODO, BLPH, SPTO, HOFI, CASJ, BGGN, YRWA, SOSP, CATH, CAKI, GBHE, RCKI, NUWO, WEBL, OATI, OCWA, CHSP, SAPH, LEGO, WEME, RTHA, NOFL, COHA, AMKE, ANHU, GREG, desert cottontail, western fence lizard, coastal whiptail

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0640: monitored vegetation clearing in the DG-4B area.

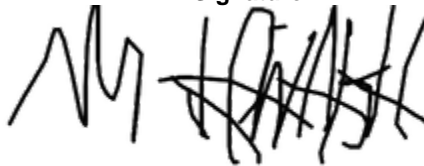
0950: light fog rolled in accompanied by ~70% cloud cover.

1420: crew began wrapping up hand pulling efforts to switch to micro line maintenance while I surveyed the site and took photographs.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'M. Walsh', with a stylized, overlapping flourish at the end.





**photo\_1-DG-4B\_before\_handpulling\_facing\_S.jpg**  
-118.17488 34.19245



**photo\_2-DG-4B\_before\_handpulling\_facing\_S.jpg**  
-118.17496 34.19242





photo\_3-DG-4B\_after\_handpulling\_facing\_S.jpg  
-118.17491 34.19242



photo\_4-DG-4B\_after\_handpulling\_facing\_S.jpg  
-118.17504 34.19239

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: November 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	58 °F	0-3 MPH	0 %
End of Day	15:00	90 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6, hand-pulling on west side near parking lot (DG-4B, DG-4), then on east side DG-3A, then west side DG-4A, DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

RCPA, CASJ, BLPH, ACWO, WCSP, HUVI, CALT, BEWR, NUWO, SOSP, COYE, California ground squirrel, RTHA, RBSA, western fence lizard, side-blotched lizard, SPTO, CAQU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 crew is pulling new pepperweed sprouts, etc., on east side of Hahamongna park parking lot, mainly within DG-4B, some DG-4 edges. Getting pepperweed sprouts, some mustards, horehound, large tree tobacco that was missed over summer.

0845 leave for east side.

0930 after mobilizing and walking a distance into Griffith work area, crews pull some weeds at DG-3A, but just a few mustards, pigweed, tree tobacco, pepperweed. A RTHA, likely juvenile, has been loafing on ground near graded area for 30+ minutes, but doesn't look stressed. Daniel was concerned and notified ECORP monitor Lauren, whom we had just passed nearby. The hawk eventually hopped around as we watched and appeared fine.

1030 we leave this site, head back to west side and take lunch.

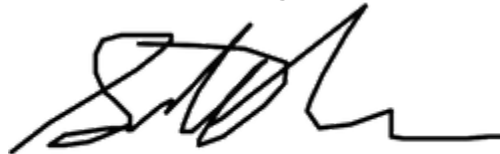
1130 weeding in DG-4 and DG-4A south of LBVI buffer. Primarily small pepperweed resprouts.

1430 stopped pulling, then got photos, hike to car, completed log.

**Additional Comments**

N/A

Signature







photo\_1\_hand-pulling\_DG-4B\_DG-4.jpg  
-118.17276 34.18985



photo\_2\_hand-pulling\_DG-3A.jpg  
-118.17301 34.18709





photo\_3\_hand-pulling\_DG-4\_DG-4A.jpg  
-118.17691 34.18965



photo\_4\_after\_hand-pulling\_DG-4\_DG-4A.jpg  
-118.17689 34.18962

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: November 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	70 %
End of Day	13:45	90 °F	0-3 MPH	60 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (6) hand-weeding in DG-4

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, BLPH, ANHU, RCKI, MODO, CORA, BEWR, SOSP, HETH, HOFI, LEGO, OATI, CASJ, ACWO, CATH, WCSP, CAQU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No


**Log Entry**

Crew continuing to weed young perennial pepperweed and eucalyptus resprouts in willow forest. Small SCE crew was out in the morning flying a drone around the power lines. Otherwise an uneventful day.

**Additional Comments**

N/A

**Signature**







**Continued weeding\_DG-4\_before.jpg**  
-118.17664 34.18947



**Cleaning up after weeding.jpg**  
-118.17679 34.18958



**After weeding\_DG-4.jpg**  
-118.17663 34.18952

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Scott Werner**  
**Date of Log: November 6, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	60 °F	0-3 MPH	0 %
End of Day	14:30	72 °F	7-9 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 6 including foreman Daniel Holmes, working on west side of project area.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

HOFI, RCPA, CALT, COHA, SOSP, ACWO, WREN, CASJ, EUST, RCKI, ANHU, PSFL, ALHU, BUSH, HUVI, bobcat, GHOW, YRWA, WCSP, woodrat middens

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 working in clearing down road from parking lot at DG-4A and under willow/ash canopy DG-4A. Short pepperweed resprouts, a few poison hemlock, some mustard (likely Raphanus) sprouting. Some willow limbs have fallen since mid-summer.

0930 Daniel reported seeing a bobcat run in front of him on road, being chased by large dog. I attempted to track down the bobcat but no luck. After lunch staying in same area.

**Additional Comments**

N/A

**Signature**







**photo\_1-before\_hand-pulling\_DG-4A\_facingNE.jpg**  
-118.17736 34.18895



**photo\_2\_after\_hand-pulling\_DG-4A\_facingNE.jpg**  
-118.17748 34.18893



photo\_3\_after\_hand-pulling\_DG-4\_facingNW.jpg  
-118.17735 34.18913

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: November 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	39 °F	0-3 MPH	0 %
End of Day	14:40	61 °F	4-6 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 hand pulling perennial pepperweed and passionflower in the DG-4 area on the southwest side of the site.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

Coyote, ACWO, AMCR, EUST, BUSH, HOFI, ANHU, CAQU, YRWA, TOWA, RCKI, BEWR, CASJ, BTYW, ALHU, BLPH, RTHA (holding Woodrat kill), RUHU, HETH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0635: performed a pre work survey.

0650: gave weep training to a new employee.

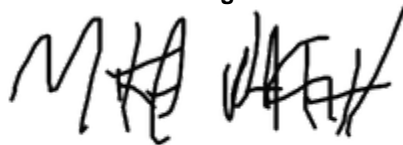
0740: monitored vegetation clearing on the southwest side of the site in DG-4, DG-4A.

1410: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**







photo\_1-DG-4\_before\_handpulling\_facing\_N.jpg  
-118.17726 34.18922



photo\_2-DG-4\_before\_handpulling\_facing\_SE.jpg  
-118.17716 34.18899





**photo\_3-DG-4\_after\_handpulling\_facing\_N.jpg**  
-118.17729 34.18916



**photo\_4-DG-4\_after\_handpulling\_facing\_SE.jpg**  
-118.17716 34.18896

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: November 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	0 %
End of Day	14:15	61 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 hand pulling perennial pepperweed in DG-4A on southwest side of site.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

MODO, AMCR, ANHU, BLPH, EUST, LEGO, BEWR, HETH, YRWA, HOFI, RCKI, ACWO, OATI, CASJ, CALT, WEME, NUWO, bobcat, Botta's pocket gopher, WCSP, CATH, RUHU, coastal whiptail, California ground squirrel, BGGN, CORA, western toad, BUSH, side-blotched lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645: gave weep training to new employee.

0725: monitored vegetation clearing in DG-4 on southwest area of site.

1030: surveyed for birds slightly north of work area. Observed adult male bobcat, caught/ate a Botta's pocket gopher.

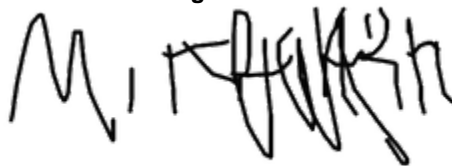
1230: found 2 juvenile western toads in the work area, both were removed and placed out of harm's way.

1345: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'M. Walsh', written over a horizontal line.





**photo\_1-DG-4A\_before\_hand-pulling\_facing\_S.jpg**  
-118.17682 34.18879



**photo\_2-DG-4A\_before\_hand-pulling\_facing\_N.jpg**  
-118.1766 34.1889





photo\_1-DG-4A\_after\_hand-pulling\_facing\_S.jpg  
-118.17673 34.18872



photo\_4-DG-4A\_after\_hand-pulling\_facing\_N.jpg  
-118.17671 34.18879

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: November 12, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	53 °F	0-3 MPH	0 %
End of Day	13:57	79 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand-pulling/raking/hoeing understory/short pepperweed (<6 inches tall.)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU ROPI MODO ANHU COHA RTHA ACWO NOFL AMKE RCPA BLPH SAPH CAKI CASJ AMCR OATI BUSH  
RCKI WBNU BGGN HOWR BEWR CATH WEBL AMRO HOFI LEGO AMGO CHSP SOSP WCSP ORJU WEME  
CALT SPTO COYE AUWA western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

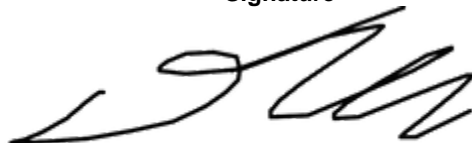
**Log Entry**

0630-1350 vegetation pulling in DG-4. Griffith bulldozing happening in channel area. Crew stopped vegetation removal work at 1350.

**Additional Comments**

N/A

**Signature**







**Vegetation\_clearing\_before\_facingS.jpg**



**Vegetation\_clearing\_after.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: November 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	42 °F	0-3 MPH	0 %
End of Day	11:14	72 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8-person Natures Image crew hand pulling pepperweed and raking in DG-4/DG-4A.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

NUWO COYE AUWA WCSP CASJ ORJU CALT CATH COHA ROPI ACWO ALHU BEWR HOWR CAQU NOFL  
BLPH SAPH RCPA CAKI HUVI OATI RCKI BGGN HOFI AMGO SOSP

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630-0730: 8 person NI crew hand-pulling pepperweed and raking understory in DG-4/DG-4A. Griffith channel grading occurring; 2 NI crew members sent to check irrigation pipes in that area at 0728. 2 more NI crew sent to do irrigation lines at 0919. Remaining crew stopped vegetation pulling at 1100.

**Additional Comments**

N/A

**Signature**







Vegetation\_clearing\_before\_facingS.jpg



Vegetation\_clearing\_after.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: November 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	61 °F	4-6 MPH	0 %
End of Day	14:15	90 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand-pulling perennial pepperweed in area DG-4A on southwest side of site near the twin boulders.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

NUWO, BEWR, CASJ, HOFI, CAQU, AMCR, CALT, ANHU, MODO, ACWO, side-blotched lizard, RCKI, CAKI, western fence lizard, BLPH, YRWA

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

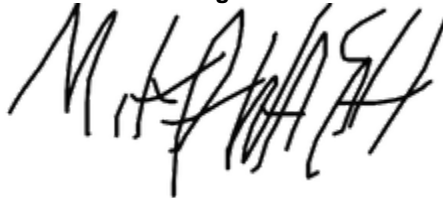
**Log Entry**

0630: gave weep training to new employee, Johnathan.  
0715: monitored vegetation clearing in DG-4A near twin boulders.  
0800: crew dug out some pipeline which got covered in dirt by grading.  
0830: continued vegetation clearing in aforementioned area.  
1020: relocated juvenile western fence lizard from within work area.  
1045: relocated adult western fence lizard from within work area.  
1345: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**





photo\_1-DG-4A\_before\_hand-pulling\_facing\_N.jpg  
-118.17572 34.19028



photo\_2-DG-4A\_before\_hand-pulling\_facing\_S.jpg  
-118.17571 34.19029





photo\_3-DG-4A\_after\_hand-pulling\_facing\_N.jpg  
-118.17571 34.1902



photo\_4-DG-4A\_after\_hand-pulling\_facing\_S.jpg  
-118.17573 34.19031



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: November 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	4-6 MPH	20 %
End of Day	14:15	79 °F	4-6 MPH	1 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew hand-weeding perennial pepperweed and poison hemlock in DG-4A on the southwest side of the site.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

ACWO, CASJ, MODO, CALT, AMCR, HOFI, CAFI, BLPH, LEGO, GBHE, BEWR, BUSH, ANHU, CAKI, COYE, WCSP, WEML, RUHU, CORA, RCKI, CATH, desert cottontail, coyote, western fence lizard, NOMO, California ground squirrel, SOSP, RTHA, SAPH, CHSP, SPTO, OATI, CAQU, HETH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: monitored vegetation clearing in DG-4A.

1240: surveyed areas adjacent to current work area.

1345: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'Michael Walsh', written over a series of horizontal lines.



photo\_1-DG-4A\_before\_hand-pulling\_facingN.jpg  
-118.17585 34.1896



photo\_2-DG-4A\_before\_hand-pulling\_facingS.jpg  
-118.17586 34.18996





photo\_3-DG-4A\_after\_hand-pulling\_facingN.jpg  
-118.17584 34.18957



photo\_4-DG-4A\_after\_hand-pulling\_facingS.jpg  
-118.17591 34.18996



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: November 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °F	0-3 MPH	0 %
End of Day	14:15	66 °F	0-3 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (9) hand-pulling new perennial pepperweed sprouts under willows in DG-4 and DG-4A.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, LEGO, CORA, HOFI, SOSF, BLPH, BEWR, CALT, COHA, CAQU, RTHA, WCSP, MODO, ACWO, CATH, ANHU, BUSH, RCKI, HETH, YRWA, WEKI

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Crew continuing to hand-pull non-natives in DG-4 and edges of DG-4A. Weeds are primarily young perennial pepperweed.

0800-0820 walked with Daniel to observe progress of grading on west side.

0850 fog rolling in from south. Crew finished pulling near ESA fence and moved toward trail to continue. Stopped pulling at 1400.

**Additional Comments**

N/A

**Signature**





**Weeding new growth\_DG-4\_before.jpg**  
-118.17644 34.18966



**Starting another patch.jpg**  
-118.17691 34.18974





**After clearing.jpg**  
-118.17653 34.18964



**Progress in second area.jpg**  
-118.17669 34.18968



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: November 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °F	0-3 MPH	0 %
End of Day	13:15	70 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (9) hand-pulling in DG-4 and DG-4A.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, CORA, BEWR, SPTO, CASJ, LEGO, RCKI, HOFI, WCSP, COHA, BLPH, YRWA, MODO, CATH, BUSH, WEKI, ANHU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 crew continuing to hand-pull weeds in same area of DG-4 and DG-4A as yesterday.  
0730 as crew completed small patches, several moved to open area near stand of evening primrose. Weeds pulled are mainly perennial pepperweed with occasional trees of heaven and poison hemlock.  
0830 walked south end looking for areas to weed, found possible irrigation leak and notified Daniel.  
0915 walked north to check out grading progress near mining pit and looking across to Johnson Field.  
1300 crew stopped pulling, planned to water plants where irrigation has been cut off for grading.

**Additional Comments**

N/A

**Signature**





Weeding DG-4\_before.jpg  
-118.18051 34.1843



After\_same as photo 1.jpg





**Primrose\_DG-4A\_before.jpg**  
-118.17901 34.19015



**Primrose after.jpg**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: November 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	55 °F	0-3 MPH	15 %
End of Day	13:45	77 °F	4-6 MPH	15 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (4 individuals) pulled weeds using hand tools in DG-4, while other crew worked on irrigation maintenance near the dumpsters. Weed pulling crew removed: non-native mustards (*Hirschfeldia incana*), non-native grasses, hemlock (*Conium maculatum*), perennial pepperweed (*Lepidium latifolium*), dock (*Rumex* sp), and non-native thistle. Many of the weeds being removed appear to have set seed already and appear to be dead. Daniel was the Natures Image foreman.

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, CALT, COYE, CASJ, RCKI, MODO, NUWO, ACWO, COHA, LEGO, WCSP, CORA, CATH, BEWR, HOFI, SOSP, BUSH, WREN, YRWA, DEJU, BLPH, OATI, TUVU, AMCR, CORA, ANHU, tree squirrel, desert cottontail, side-blotched lizard

Did You Observe any Non-Compliance Issues? ☐ Yes ☒ No

**Log Entry**

0630 biologist arrived onsite. Crew briefly tailboarded to discuss plan for the day. Half the crew worked on irrigation maintenance around dumpster area. Half the crew worked in DG-4 using hand tools and pulling non-native vegetation. Weed pulling crew removed: non-native mustards (*Hirschfeldia incana*), non-native grasses, hemlock (*Conium maculatum*), dock (*Rumex* sp), perennial pepperweed (*Lepidium latifolium*), and non-native thistle. Many of the weeds being removed appear to have set seed already and appear to be dead.

0900 biologist reviewed which plants are native with a few of the crew members, and that they are not to be removed. Crew took lunch at noon. After lunch crew continued same tasks in same location until 1315, when entire crew moved to irrigation work. All weeds were bagged and brought to the dumpster. Trash/water bottles were collected and removed from site. Biologist worked on report and left site at 1345.

**Additional Comments**

N/A

Signature





**Before\_vegetation\_clearing\_facingN.jpg**



**During\_vegetation\_removal\_facingN.jpg**  
-118.17613 34.191



After\_vegetation\_clearing\_facingN.jpg  
-118.1761 34.191



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: November 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	0-3 MPH	10 %
End of Day	14:15	64 °F	0-3 MPH	80 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 7 in area DG-4 on southwest side of site hand pulling poison hemlock, Italian thistle and non-native annual grasses.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, ACWO, AMCR, ANHU, YRWA, CASJ, NOFL, COHA, MODO, HOFI, CATH, CORA, LEGO, CAKI, NUWO, desert cottontail, WCSP, BEWR, LISP, RCKI, HUWI, western fence lizard, BUSH, OATI, San Diego alligator lizard, COYE, SPTO

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: monitored vegetation clearing in area DG-4 progressing south.

0930: surveyed the areas adjacent to current work area.

1010: resumed monitoring vegetation clearing.

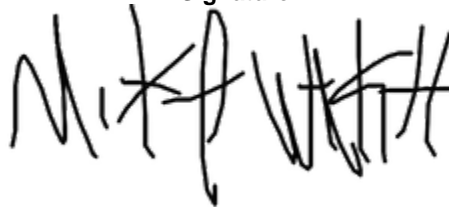
1305: relocated a San Diego alligator lizard which was in the work area to somewhere safe.

1345: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'Michael Walsh', written in a cursive, stylized script.



photo\_1-DG-4\_before\_hand-pulling\_facingN.jpg  
-118.1761 34.19089



photo\_2-DG-4\_before\_hand-pulling\_facingN.jpg  
-118.17597 34.19082





photo\_3-DG-4\_after\_hand-pulling\_facingN.jpg  
-118.17611 34.1909



photo\_4-DG-4\_after\_hand-pulling\_facingN.jpg  
-118.17596 34.19081



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: November 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	52 °F	0-3 MPH	20 %
End of Day	14:15	67 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling mustard and poison hemlock in area DG-4, DG-4 sheetflow, and DG-SF-1 on the southwest side of the site.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

COHA, CALT, HOFI, CASJ, ACWO, AMCR, WCSP, ANHU, COYE, NUWO, LISP, SPTO, NOFL, CATH, BEWR, RCKI, BGGN, LEGO, CAKI, SAPH, RTHA, CAQU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: monitored vegetation clearing in DG-4 progressing north into the sheetflow area.

0930: surveyed the area adjacent to the current work area.

1010: resumed monitoring in the aforementioned area.

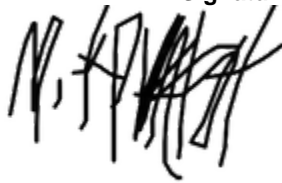
1055: learned that police were investigating a murder near the west entrance of the park.

1345: crew began wrapping up pulling while I took photos and inspected the site.

**Additional Comments**

N/A

**Signature**





photo\_1-before\_pulling\_DG-4\_facingN.jpg  
-118.17607 34.19116



photo\_2-before\_pulling\_DG-4\_facingN.jpg  
-118.17625 34.19123





photo\_3-after\_pulling\_DG-4\_facingN.jpg  
-118.17612 34.19107



photo\_4-after\_pulling\_DG-4\_facingN.jpg  
-118.17622 34.19124



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: November 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	49 °F	0-3 MPH	0 %
End of Day	13:08	67 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew, raking/hoeing/handpulling in DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU MODO ALHU RTHA ACWO NUWO NOFL BLPH SAPH CASJ AMCR OATI BUSH RCKI BGGN BEWR WEBL  
CHSP LASP WCSP ORJU SOSP CALT SPTO WEME COYE AUWA western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

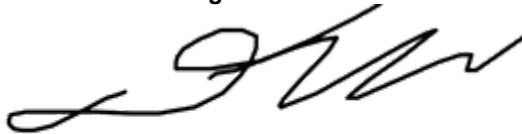
0630-1300: NI crew, raking/hoeing/handpulling in DG-4. One western fence lizard relocated at 0936; lizard was sluggish from the cold. Water shut off; irrigation lines not checked.

1245 One NI crew member broke a branch off a native willow tree. Bio and NI foreman informed crew member that willows are native and shouldn't be pulled. Crew stopped vegetation work at 1300. Foreman went to check DG-3A pipes after crew stopped pulling.

**Additional Comments**

N/A

**Signature**





**Vegetation\_clearing\_before\_facingN.jpg**



**Vegetation\_clearing\_after\_facingN.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: November 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	0-3 MPH	20 %
End of Day	14:15	79 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling perennial pepperweed and poison hemlock in DG-4 on southwest side on site near the trash containers.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BUSH, AMCR, CASJ, CALT, HOFI, COHA, ACWO, MODO, COYE, CAQU, BEWR, RCKI, CORA, KILL, BLPH, BEKI, RTHA, SPTO, western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: monitored vegetation clearing in DG-4 on southwest side of site.

0830: found a large honeybee hive which had been flagged in previous year, nobody was stung/crew was advised to avoid.

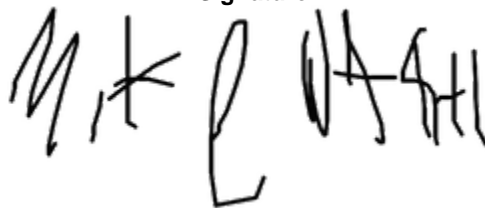
1145: surveyed basin in central part of the site.

1345: crew began wrapping up pulling and checking irrigation while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read "Michael Walsh", written in a cursive, stylized script.





photo\_1-before\_hand-pulling\_DG-4\_facingN.jpg  
-118.17576 34.19162



photo\_2-before\_hand-pulling\_DG-4\_facingN.jpg  
-118.17591 34.19175





photo\_3-after\_hand-pulling\_DG-4\_facingN.jpg  
-118.17571 34.19161



photo\_4-after\_hand-pulling\_DG-4\_facingN.jpg  
-118.1759 34.19179

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 1, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	0-3 MPH	0 %
End of Day	14:15	75 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 hand pulling poison hemlock in DG-4 Sheetflow just south of the trash containers on the west side.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

ACWO, SPTO, LEGO, CATH, CASJ, HOFI, CAKI, CALT, WCSP, MODO, RTHA, NUWO, SOSP, BEWR, BGGN

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: held safety meeting by containers reiterating mask policy and talking about covid-19 best practices with crew.

0655: monitored vegetation clearing in DG-4 Sheetflow.

1035: found a large honeybee hive, advised crew to avoid and flagged area.

1345: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read "M. A. Walsh". The signature is written in a cursive, stylized font with some capitalization.





photo\_1-DG-4-Sheetflow\_before\_pulling\_facingE.jpg  
-118.17585 34.19127



photo\_2-DG-4-Sheetflow\_before\_pulling\_facingE.jpg  
-118.17583 34.19143





**photo\_3-DG-4-Sheetflow\_after\_pulling\_facingE.jpg**  
-118.17586 34.19124



**photo\_4-DG-4-Sheetflow\_after\_pulling\_facingE.jpg**  
-118.17585 34.19141

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: December 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	47 °F	0-3 MPH	0 %
End of Day	14:00	78 °F	4-6 MPH	40 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (6) removing invasives by-hand in DG-4 and DG-4 sheetflow.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, CASJ, COHA, BGGN, YRWA, BEWR, CALT, SOSP, ACWO, ANHU, SAPH, CATH, BUSH, BLPH, RTHA, WCSP, TUVU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 Foreman takes crew and monitor's temperatures before starting work.

0645 crew continues work in DG-4 sheetflow, near graded channel, cutting bare tree of heaven (*Ailanthus altissimus*) trunks. No herbicide for cut-stump allowed. Removed large roots when possible.

0930 crew began removing three small clumps of Himalayan blackberry on edge of DG-4 and DG-4A, near boulders. These were lower priority over the summer than other patches that spread in wetter areas.

1350 crew stopped pulling.

**Additional Comments**

N/A

**Signature**







**Tree of heaven\_DG-4 sheetflow\_before.jpg**  
-118.17564 34.19126



**Himalayan blackberry\_DG-4A\_before.jpg**  
-118.1752 34.191



**Tree of heaven removed.jpg**  
-118.17569 34.19124



**Blackberry removed.jpg**  
-118.17529 34.19099



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: December 3, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	49 °F	4-6 MPH	0 %
End of Day	13:26	70 °F	16 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

10 person Natures Image crew raking/hoeing/hand pulling understory, 1 Stillwater bio

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BLPH WEBL CAQU AUWA WCSP LISP CALT ACWO AMCR EUST NOFL LEGO RCPA RCKI CASJ HOWR MODO  
ANHU BUSH RTHA SOSP BGGN CAKI COHA

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630-1325: NI crew clearing vegetation in DG-4 north of channel clearing area.

**Additional Comments**

N/A

**Signature**







**Vegetation clearing\_before\_facingN.jpg**



**Vegetation clearing\_after\_facingN.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: December 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	43 °F	0-3 MPH	0 %
End of Day	14:03	72 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

10 person Natures Image crew vegetation clearing with rakes and hoes, 1 Stillwater bio

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BEWR BLPH BGGN NOFL CALT ACWO CASJ CAQU WCSP AMCR BUSH AUWA RTHA

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630-1400 : NI crew pulling dry pepperweed in DG-4, same location as 3 Dec 2020. Crew stopped vegetation clearing at 14:00.

**Additional Comments**

N/A

**Signature**



**Vegetation clearing\_before\_facingN.jpg**





Vegetation clearing\_after\_ facingNW.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 7, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	54 °F	0-3 MPH	100 %
End of Day	14:15	70 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 9 hand pulling perennial pepperweed, poison hemlock, curly dock, and horehound in DG-W-2.

**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, WCSP, BLPH, ACWO, CALT, CASJ, MODO, CAQU, BEWR, RTHA, LEGO, COHA, ATSP, HOWR, ANHU, RCKI, HOFI

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 monitored vegetation clearing in DG-W-2.

0800: BLPH began scolding crew (diving, frequent bill swipes, pretending to have a broken wing, alarm calls), so I moved the crew 30 feet north until the bird was no longer scolding us. No nest observed.

0930: surveyed the Johnson field area of the site.

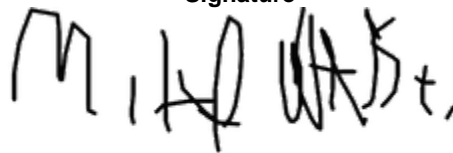
1000: resumed monitoring in DG-W-2.

1350: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**





**photo\_1-DG-W-2\_before\_pulling\_facingN.jpg**  
-118.17451 34.19312



**photo\_2-DG-W-2\_before\_pulling\_facingW.jpg**  
-118.17405 34.19341





**photo\_3-DG-W-2\_after\_pulling\_facingN.jpg**  
-118.17416 34.19356



**photo\_4-DG-W-2\_after\_pulling\_facingW.jpg**  
-118.1741 34.19336



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	68 °F	10-12 MPH	35 %
End of Day	14:15	79 °F	4-6 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 8 hand pulling curly dock, mustard, and poison hemlock in the DG-W-2/DG-4 areas of the site.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BLPH, AMCR, COHA, BEWR, CALT, HOFI, SAPH, BUSH, ANHU, EUST, BRBL, CATH, CASJ, BGGN, WCSP, western fence lizard, RCKI, MODO, YRWA

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: since today was a red flag day, I held a brief tailgate meeting with crew members to reiterate best practices for working on a red flag day. Also, Daniel and Didier left to attend training related to installation and maintenance of irrigation.

0640: monitored vegetation clearing in DG-W-2.

0922: small yellowjacket hive unearthed, one employee (Andrei Coello) was stung twice. Crew was moved away from hive. Andrei was examined multiple times throughout the day and showed no signs of an allergic reaction.

1130: Daniel and Didier returned from their training. Also around this time, a different employee (Johnathan) left because of eye irritation while he was on lunch. Earlier in the day, he had been provided eye drops by Tom but they proved to be ineffective.

1345: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'M. Walsh', written over a horizontal line.



**photo\_1-DG-4\_before\_pulling\_facingNW.jpg**  
-118.17418 34.19356



**photo\_2-DG-W-2\_before\_pulling\_facingNE.jpg**  
-118.17416 34.19356





**photo\_3-DG-4\_after\_pulling\_facingNW.jpg**  
-118.17414 34.19354



**photo\_4-DG-W-2\_after\_pulling\_facingNE.jpg**  
-118.17413 34.19355



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: December 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	54 °F	0-3 MPH	95 %
End of Day	13:30	75 °F	4-6 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (7) hand-weeding in DG-W-2 (mining pit), DG-4C and DG-4

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

NUWO, CORA, MODO, BLPH, CASJ, BEWR, CALT, COHA, RTHA, WCSP, BGGN, BUSH, YRWA, RCKI, SAPH, HOFI, LEGO, ANHU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Crew is continuing to hand-weed in the mining pit near the grading soil dump area. The main weed species is curly dock.

0700 Monitor talked with ECORP monitor overseeing nearby grading work and discussed the day's plan to avoid conflicts.

0730 Notified by lead ECORP monitor of a city water line break on the east side. Advised on location of shut-off valve. Crew continued up slope to DG-4 and DG-4C. Weeds pulled were tree tobacco and mustard.

1200 walked to Johnson field to see grading progress and brainstorm irrigation layout.

1310 crew stopped pulling and switched to irrigation maintenance.

**Additional Comments**

N/A

**Signature**





**DG-W-2 facing NW.jpg**  
-118.17396 34.19362



**After weeding\_mining pit.jpg**  
-118.17389 34.19363

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: December 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °F	0-3 MPH	0 %
End of Day	14:15	64 °F	7-9 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (7) hand-weeding in DG-4 north end and near boulders

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, BGGN, CASJ, SAPH, BLPH, COHA, AMKE, LEGO, HOFI, WCSP, CAQU, ANHU, RTHA, BEWR, bobcat, CALT

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 crew beginning in area of planted coastal sage scrub and willow/mulefat stakes in northern DG-4. Weeds are green but small. Evidence of herbivory on pepperweed florets, so to avoid herbivory on planted natives, decided to leave these and focus on poison hemlock, mustards, and bolted/flowering pepperweed. Finished area just before lunch.

1130 Crew moved to area planted with mulefat/willow stakes near boulders. Pulling small, green pepperweed. Less evidence of herbivory in this area. Crew stopped pulling at 1400.

**Additional Comments**

N/A

**Signature**







DG-4\_facing E\_morning.jpg  
-118.1726 34.19381



DG-4\_young pepperweed\_facing S.jpg  
-118.17516 34.1904



DG-4\_facing N\_pulling pepperweed.jpg  
-118.17511 34.19038

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	44 °F	0-3 MPH	10 %
End of Day	14:15	64 °F	7-9 MPH	20 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image/labor finders crew of 3 hand pulling poison hemlock/cutting tree of heaven on the east side of the site near the Johnson field in DG-2. Today there were 2 crews, the other of which was under the supervision of Margie.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

AMCR, HOFI, CASJ, WCSP, CATH, CALT, RUHU, CORA, BLPH, MODO, TUVU, BEWR, SAPH, RTHA, ACWO, SPTO, HOFI

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: had a tailgate meeting delegating crew members/monitors to their proper area.

0700: monitored vegetation clearing in area DG-2.

0950: one crew member began removing tree of heaven with an axe.

1345: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'M. Walsh', with a stylized, overlapping flourish at the end.





**photo\_1-DG-2\_before\_pulling\_facingS.jpg**  
-118.17201 34.19108



**photo\_2-DG-2\_before\_pulling\_facingS.jpg**  
-118.17187 34.19077



photo\_3-DG-2\_after\_pulling\_facingS.jpg  
-118.17197 34.19105



photo\_4-DG-2\_after\_pulling\_facingS\_(pre-pickup).jpg  
-118.1719 34.19084

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: December 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °F	0-3 MPH	10 %
End of Day	14:20	61 °F	7-9 MPH	30 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (4) beginning site preparation for Phase 2 planting in DG-W-1 Johnson field.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, SOSP, BEWR, RTHA, CASJ, CALT

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 Used Trimble unit to verify mitigation area's boundaries.

0740 crew rolling out 2" irrigation mainline along east road. Will connect to existing irrigation box at DG-2A.

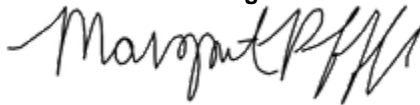
1130 equipment arrived to unspool and fuse pipe. Foremen spent time troubleshooting unspooling machine while crew continued laying pipe by hand.

1415 allowed crew to continue laying out irrigation pipe without monitor as area was bare ground and there would be no impacts to resources.

**Additional Comments**

N/A

**Signature**







**DG-W-1\_facing SE.jpg**  
-118.17188 34.1921



**Laying out irrigation mainline\_facing N.jpg**  
-118.17169 34.19005



Pipe straightening machine\_needs repair.jpg  
-118.1715 34.19226

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	45 °F	4-6 MPH	0 %
End of Day	14:35	66 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image/labor finders crew of 5 pulling exotic grass/mustard/perennial pepperweed seedlings in DG-4 just south of the twin boulders on the southwest side of the site.

**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, CALT, CATH, CASJ, NOFL, ACWO, COYE, western fence lizard, SAPH, LEGO, SOSP, BRSP, WCSP, BGGN, AMCR, side-blotched lizard, RCKI, RTHA, CORA, OCWA, CAKI

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: monitored vegetation clearing in DG-4.

0930: found a camper van parked in the parking lot near trash cans. Later learned they had left.

1030: surveyed nearby areas for exotic plants and birds.

1405: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**







**photo\_1-DG-4\_before\_pulling\_facingS.jpg**  
-118.17499 34.1904



**photo\_2-DG-4\_before\_pulling\_facingS.jpg**  
-118.17511 34.19025





photo\_3-DG-4\_after\_pulling\_facingS.jpg  
-118.17495 34.19035



photo\_4-DG-4\_after\_pulling\_facingS.jpg  
-118.17509 34.19022

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: December 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	37 °F	0-3 MPH	0 %
End of Day	14:30	68 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (4) laying out irrigation in DG-W-1

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, CALT, SOSP, MODO, CATH, ACWO, COHA, RTHA, NOFL, SAPH, CAQU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 Foreman went to escort mechanic to site to repair rented machine.

0650 other foreman and crew using generator-powered drill to prime holes for tacking down irrigation mainline.

0730 Monitored while crew helped mechanic remove hydraulic arm on machine, no spills.

0900-1130 Griffith working in same area to decompact soil for planting and level out grading at drainage, monitored by ECORP. Monitor met with ECORP, Griffith, and County to discuss decompaction on stretch of road that will be decommissioned.

1345 Met with ECORP to discuss planting layout in Johnson Field.

**Additional Comments**

N/A

**Signature**







**Drill activities\_DG-W-1.jpg**  
-118.17113 34.192



**Tacking down irrigation pipe\_facing W.jpg**  
-118.17127 34.19202



**Irrigation progress\_facing S.jpg**  
-118.17154 34.19224

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: December 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	54 °F	0-3 MPH	0 %
End of Day	14:20	73 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

5-person Natures Image crew using typical understory clearing handtools

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BGGN RCKI AMCR BEWR COYE WCSP WEME MODO CALT NUWO OATI BLPH SAPH BEWR RSHA ACWO  
SPTO ROPI COHA DOWO SOSP ANHU NOFL RTHA CAKI CASJ coyote (at 1031)

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

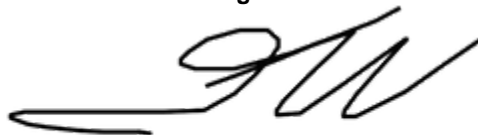
**Log Entry**

0630-1420: 5-person Natures Image crew raking/hand pulling weeds in DG-4 (rest of Natures Image crew on east side prepping for planting work.) Repairing of irrigation pipes happening in the afternoon. Crew stopped vegetation work at 1420.

**Additional Comments**

N/A

**Signature**







**Vegetation clearing\_before\_facing N.jpg**



**Vegetation clearing\_after\_facing N.jpg**



**Vegetation clearing\_after\_facing S.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: December 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	40 °F	0-3 MPH	0 %
End of Day	10:00	54 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (4) laying out irrigation in DG-W-1, monitors marking out plants

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, BEWR, AMKE, RTHA, CORA, MODO, CASJ

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Lead monitor onsite 0630-1000 to monitor and helping to mark out planting locations with spray paint so that crew can strategically lay out irrigation hose. Amy Plesetz arrived at 0800 and was briefed on plan then took over monitoring and plant marking.

**Additional Comments**

N/A

**Signature**







**Fusing pipe\_facing W.jpg**  
-118.17167 34.19091

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: December 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	08:00	60 °F	0-3 MPH	0 %
End of Day	14:00	71 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image restoration crew (4) fusing irrigation main line at Johnson Field. Equipment includes hand tools, generator, and pit bull machine. Daniel (foreman Natures Image) and Margie (foreman Stillwater)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, coyote (2 adults), WCSP, CAQU, AMKE, RTHA, CALT, ACWO, NOFL, NUWO, YRWA, BEWR, MODO, CORA, CATH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Arrived at 0800 for orientation with Margie (Stillwater). Margie instructed new tasks at Johnson Field (DG-W-1). Crew was observed fusing polypropylene irrigation main lines. Biologist checked on crew periodically especially while a generator was being ran. Biologist marked out plant location with spray paint. Plants are to be established 6ft away from one another. Biologist completed report, checked to make sure the crew did not leave trash behind, and left site at 1400.

**Additional Comments**

N/A

Signature





**But\_fusion\_irrigation\_during\_facingE.jpg**  
-118.17176 34.19095



**But\_fusion\_irrigation\_during\_facingNW.jpg**  
-118.17162 34.19087



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: December 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	55 °F	0-3 MPH	100 %
End of Day	10:26	60 °F	4-6 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

5-person Natures Image crew + 1 Stillwater bio doing irrigation checks & repairs

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU MODO ANHU RSHA ACWO NUWO BLPH SAPH CASJ AMCR CORA OATI BUSH RCKI WBNU BGGN  
BEWR CATH NOMO WEBL CEDW HOFI SOSP WCSP CALT SPTO CHSP DEJU (3 subspecies groups! Oregon,  
Slate-colored, Gray-headed) BRBL AUWA Peromyscus sp. (Deer mouse)

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

5-person Natures Image crew doing exclusively irrigation line checks and repairs in DG-4/DG-4A. Stillwater bio DKB stayed with crew during checks of the spigot boxes to watch for wildlife (0630-1020). One spigot box has a deer mouse den built inside the spigot covering; the den isn't in any immediate danger of disturbance and they weren't relocated. Photos taken. Bio left site at 1025.

**Additional Comments**

N/A

**Signature**





Peromyscus den\_DG-4 spigot box.jpg



Peromyscus1\_DG-4 spigot box.jpg





Peromyscus2\_DG-4 spigot box.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: December 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °F	0-3 MPH	80 %
End of Day	13:30	65 °F	4-6 MPH	30 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image restoration crew (4) establishing irrigation lines in Johnson field. Equipment includes hand tools and irrigation lines. Daniel (foreman Natures Image).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CATH, CORA, WCSP, ACWO, SPTO, RCPA, RSHA, RTHA, CASJ, CALT, OATI, BEWR, NUWO, MODO, BUSH, BGGN, AMKE, COHA, CAQU, YRWA, WREN, LEGO, HOFI, DEJU, California ground squirrel

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Biologist arrived onsite at 0630. The crew was establishing irrigation lines at Johnson field (DG-W-1). Biologist checked on the crew periodically while simultaneously marking out plant location with spray paint. Plants are to be established 6ft away from one another while avoiding the low-flow drainage. Biologist completed report and left site at 1330. Biologist left before the crew did so trash removal was not checked.

**Additional Comments**

N/A

**Signature**





Irrigation\_establishment\_during\_facingW.jpg  
-118.17139 34.19117



Irrigation\_establishment\_during\_facingSW.jpg  
-118.17113 34.19125



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: December 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	45 °F	0-3 MPH	0 %
End of Day	13:22	67 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

6-person Natures Image crew + 1 Stillwater bio using understory clearing hand tools in DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

RTHA NUWO ACWO MODO WEME CASJ BEWR CEDW COYE OATI CALT WCSP BLPH AMCR LEGO HOFI  
ANHU SPTO BGGN BUSH MERL AUWA COHA CAKI

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

6-person crew hand pulling weeds in DG-4 "Boulder".

0630-1000 2 crew members checking/repairing irrigation lines. Several pedestrians seen in the dam sediment removal area (let Griffith know? Shouldn't this area be closed off?) Crew stopped vegetation work at 1320.

**Additional Comments**

N/A

**Signature**





**Vegetation clearing\_before\_facing W.jpg**



**Vegetation clearing\_after\_facing E.jpg**



Vegetation clearing\_after\_facing SE.jpg



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: December 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	0-3 MPH	0 %
End of Day	14:30	72 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image restoration crew (4) establishing irrigation lines in Johnson field. Equipment includes hand tools and irrigation lines. Daniel (foreman Natures Image).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, WCSP, ACWO, SPTO, RCPA, RTHA, CASJ, CALT, OATI, BEWR, NUWO, MODO, BUSH, BGGN, AMKE, CAQU, YRWA, WREN, HOFI, DEJU, California ground squirrel , NOFL

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

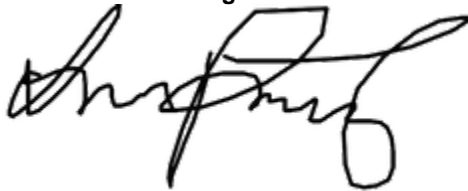
**Log Entry**

Biologist arrived onsite at 0630. The crew was establishing irrigation lines at Johnson field (DG-W-1). Biologist checked on the crew periodically while simultaneously marking out plant location with spray paint. Plants are to be established 6ft away from one another while avoiding the low-flow drainage. Biologist completed report and left site at 1430. Trash appeared to be removed.

**Additional Comments**

N/A

Signature





**Irrigation\_installation\_during\_facingS.jpg**  
-118.17111 34.19142



**Irrigation\_installation\_after\_facingNE.jpg**  
-118.17148 34.19178

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	55 °F	0-3 MPH	0 %
End of Day	14:15	81 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 hand pulling perennial pepperweed on the southwest side of the site near the twin boulders in area DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, COHA, BEWR, MODO, CASJ, BLPH, BGGN, COHU, NUWO, CAQU, LEGO, RTHA, NOFL, CATH, ACWO, COYE, SOSP, SAGS, ATSP, OCWA, ANHU, SPTO, WCSP, WEME, YRWA, DEJU, SAPH, RCKI, CORA, AMCR, BUSH, California ground squirrel, western fence lizard, side-blotched lizard.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: tailgate meeting, gave WEEP training to a new crew member, Diego.

0700: monitored vegetation clearing in area DG-4.

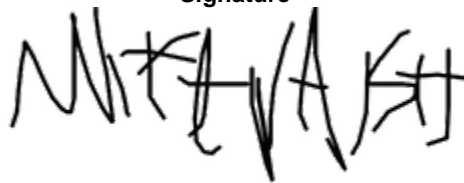
1000: scouted for new work areas and surveyed them for protected species.

1345: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'Michael Walsh' in a stylized, cursive script.





photo\_1-DG-4\_before\_pulling\_facingN.jpg  
-118.17532 34.19015



photo\_2-DG-4\_before\_pulling\_facingN.jpg  
-118.17531 34.19016





photo\_3-DG-4\_after\_pulling\_facingN.jpg  
-118.17533 34.19019



photo\_4-DG-4\_after\_pulling\_facingN.jpg  
-118.17516 34.19015

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Margie Pfeffer**  
**Date of Log: December 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	59 °F	0-3 MPH	0 %
End of Day	14:45	81 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew (4) laying out irrigation in DG-W-1, DG-2 new channels, and DG-2 WOUS.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

SOSP, BEWR, CORA, CALT, WCSP, MODO, CASJ, SPTO, NOFL, COYE, RTHA, desert cottontail, AMKE, CAQU, CATH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 Foreman (Daniel) went to west side to get other crew started. This crew continuing work from last week, laying out hoses according to painted plant markers.

0845-1015 monitor marked out more plants with spray paint while the crew laid out more hose.

1015 crew ran out of hose and switched to fusing mainline pipe to end of existing irrigation along east road.

1040 helped crew place mainline pipe going south along the west edge of DG-2 new channels. Observed crew fusing and laying out pipe down DG-2 new channels and DG-2 WOUS until 1440 when they began cleaning up.

**Additional Comments**

N/A

**Signature**







**Irrigation install\_DG-W-1\_facing SE.jpg**  
-118.17151 34.19218



**Fusing irrigation mainline\_DG-2 new channels\_facing S.jpg**  
-118.17207 34.19066



Pipe straightening machine\_DG-W-1.jpg  
-118.17186 34.19102

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	46 °F	0-3 MPH	0 %
End of Day	14:45	70 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 hand pulling perennial pepperweed and mustard in area DG-4 on the southwest side of the site.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, ACWO, OATI, AMCR, CASJ, BEWR, COYE, BUSH, WCSP, EUST, CAQU, SOSP, CORA, NOFL, HOFI, BLPH, RTHA, NUWO, RCKI, SPTO, WEBL, LISP, SAPH, BGGN, YRWA, COHA, coyote, western fence lizard, California ground squirrel, western toad.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: tailgate meeting, gave WEEP training to a new crew member, Hector.

0710: monitored vegetation clearing in DG-4.

0815: someone was seen riding a dirt bike in the construction zone, attempted to approach them but they rode off.

1300: scouted for a new work area to cover once the current one is finished tomorrow.

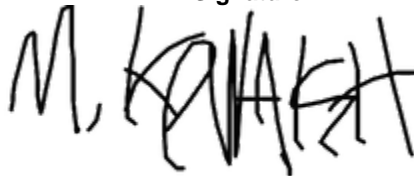
1400: found a western toad, relocated it from the work area to a place we had already covered the day before.

1415: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**







photo\_1-DG-4\_before\_pulling\_pepperweed\_facingN.jpg  
-118.17533 34.19024



photo\_2-DG-4\_after\_pulling\_pepperweed\_facingN.jpg  
-118.17531 34.19029





photo\_3-crew\_member\_removing\_pepperweed\_facingW.jpg  
-118.17526 34.19031



photo\_4-western\_toad\_relocation.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: December 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	0-3 MPH	0 %
End of Day	14:15	70 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image restoration crew (4) performing fusion of irrigation lines in Johnson Field and clearing vegetation (non-natives). Equipment includes a single gas-powered weed wacker, rakes, hand tools, generator, and irrigation lines. Daniel (foreman Natures Image).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, CATH, owl tracks (GHOW or BANO), WCSP, ACWO, SPTO, RCPA, RTHA, CASJ, CALT, BEWR, NUWO, MODO, BUSH, BGGN, CAQU, YRWA, WREN, HOFI, DEJU, California ground squirrel, ANHU, ALHU, COYE, desert cottontail, LEGO, BUSH, BLPH, AMKE

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

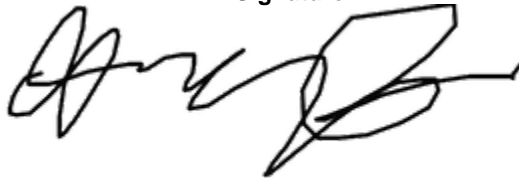
**Log Entry**

Biologist arrived onsite at 0630. The crew was fusing irrigation lines using a generator at Johnson Field (DG-W-1) and also clearing vegetation (non-native mustards [*Hirschfeldia incana*], star thistle [*Centaurea melitensis*]) with a weed wacker around the "bowl" edges of the Johnson Field. Removed vegetation was placed on tarps and transported to dumpster. During the mechanical equipment operation, biologist confirmed that a fire extinguisher remained available and nearby. Biologist checked on the crew periodically while simultaneously marking out plant location with spray paint. Native plants are to be established 6ft away from one another while avoiding the low-flow drainage. Biologist completed report and left site at 1415. Biologist left before the crew, but asked if the trash could be removed.

**Additional Comments**

N/A

Signature







**Vegetation\_clearing\_during\_facingNE.jpg**  
-118.17202 34.19143



**Vegetation\_clearing\_during\_facingW.jpg**  
-118.17199 34.19151



**Fusing\_irrigation\_pipes\_during\_facingW.jpg**  
-118.17218 34.19014



**Vegetation\_clearing\_after\_facingN.jpg**  
-118.17206 34.19127

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	45 °F	0-3 MPH	15 %
End of Day	14:30	67 °F	0-3 MPH	95 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures image crew of 3 hand pulling perennial pepperweed and poison hemlock in DG-4 on the southwest side of the site near the twin boulders.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

AMCR, CALT, HOFI, LEGO, ACWO, BLPH, BEWR, SOSP, SPTO, CORA, RTHA, CASJ, COYE, COHA, KILL, BGGN, OCWA, SAPH, western toad, western fence lizard.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: monitored vegetation clearing in area DG-4.

0710: relocated western toad from the work area to a place we had already covered.

1345: relocated western fence lizard from the work area to a place we had already covered.

1355: relocated western toad from the work area to a place we had already covered.

1400: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'M. Walsh', written over a horizontal line.





photo\_1-DG-4\_pulling\_before\_facingN.jpg  
-118.17526 34.19027



photo\_2-DG-4\_pulling\_before\_facingN.jpg  
-118.17529 34.19035





**photo\_3-DG-4\_pulling\_after\_facingN.jpg**  
-118.17528 34.19027



**photo\_4-DG-4\_pulling\_after\_facingN\_pre\_pickup.jpg**  
-118.17526 34.19034

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: December 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	0-3 MPH	0 %
End of Day	13:15	70 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image restoration crew (4) performing fusion of irrigation lines in Johnson Field and clearing vegetation (non-natives). Equipment includes a single gas-powered weed wacker, rakes, hand tools, generator, and irrigation lines. Daniel (foreman Natures Image).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, CATH, WCSP, ACWO, SPTO, RCPA, RTHA, CASJ, CALT, BEWR, NUWO, BGGN, CAQU, YRWA, WREN, HOFI, DEJU, California ground squirrel, ANHU, COYE, NOFL, desert cottontail, LEGO, BUSH, BLPH, AMKE, OATI, bobcat (t), KILL, RCKI

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Biologist arrived onsite at 0630. The crew was fusing irrigation lines using a generator at Johnson Field (DG-W-1) and along low-flow drainage heading south. One crew member resumed clearing vegetation (non-native mustards [Hirschfeldia incana], star thistle [Centaurea melitensis]) with a weed whacker around the "bowl" edges of the Johnson Field. Removed vegetation was placed on tarps and transported to dumpster. During weed whacking, biologist noted that a fire extinguisher was not available and due to a "Red Flag Warning" placed in effect, mechanical weed whacking ceased at 0800. Biologist checked on the crew periodically while simultaneously marking out plant location with spray paint. Native plants are to be established 6ft away from one another while avoiding the low-flow drainage. After more irrigation lines were delivered, the crew resumed installation at 1230. Biologist completed report and left site at 1315. Biologist left before the crew, but asked if the trash could be removed.

**Additional Comments**

N/A

**Signature**







**Vegetation\_clearing\_before\_facingE.jpg**  
-118.17096 34.19155



**Fusing\_irrigation\_during\_facingNW.jpg**  
-118.1725 34.18846

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: December 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	48 °F	4-6 MPH	100 %
End of Day	12:45	57 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 3 hand pulling poison hemlock, curly dock, mustard and perennial pepperweed in the far southwest corner of the site in area DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BUSH, AMCR, YRWA, COHA, SOSP, CALT, SPTO, CASJ, BLPH, MODO, HETH, OATI, WCSP, BEWR, RCKI, CORA, ACWO, COYE, NOFL

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: tailgate meeting reiterating best practices for working on a red flag day.

0645: monitored vegetation clearing in area DG-4.

1020: surveyed nearby areas.

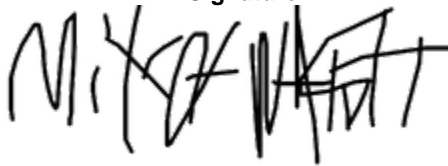
1135: slight rain started falling.

1215: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

Signature







**photo\_1-DG-4\_pulling\_hemlock\_before\_facingNE.jpg**  
-118.17723 34.18639



**photo\_2-DG-4\_pulling\_before\_facingNW.jpg**  
-118.17689 34.18649





photo\_3-DG-4\_pulling\_hemlock\_after\_facingNE.jpg  
-118.17722 34.1864



photo\_4-DG-4\_pulling\_after\_facingNW.jpg  
-118.17689 34.18645

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Amy Plesetz**  
**Date of Log: December 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	50 °F	0-3 MPH	90 %
End of Day	12:30	65 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image restoration crew (4) establishing of irrigation lines in Johnson Field. Equipment includes rakes, hand tools, and irrigation lines. Daniel (foreman Natures Image).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, CATH, WCSP, ACWO, RCPA, RTHA, CASJ, CALT, BEWR, NUWO, BGGN, CAQU, YRWA, HOFI, DEJU, BUSH, California ground squirrel, ANHU, COYE, NOFL, desert cottontail, LEGO, BUSH, BLPH, AMKE, OATI, KILL, RCKI, GTGR, SOSP, WEME, Botta's pocket gopher, MODO, BLPH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Biologist arrived onsite at 0630. The crew was establishing irrigation lines at Johnson Field (DG-W-1). Biologist checked on the crew periodically while simultaneously marking out plant location with spray paint. Native plants are to be established 6ft away from one another while avoiding the low-flow drainage. Biologist completed report and left site at 1230. Biologist left before the crew, but asked if the trash could be removed.

**Additional Comments**

Vegetation clearing along slope of "bowl" of Johnson field was not completed due to "Red Flag Warning".

**Signature**





photo\_1-Johnson Field.jpg  
-118.17145 34.19224



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	39 °F	4-6 MPH	5 %
End of Day	14:25	59 °F	10-12 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 laying irrigation and fusing pipe in DG-W-1

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

ACWO, COHA, NUWO, CAKI, CALT, WCSP, AMCR, CASJ, CAQU, NOFL, SOSP, CATH, LEGO, HOFI, EUCD, AMKE, MODO, RTHA, CORA, MALL, KILL, SPTO, CEDW, BLPH, desert cottontail

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: tailgate meeting about the plan for the day

0645: crew began laying new irrigation in DG-W-1, monitored these activities.

0920: monitored crew fusing pipe near the aforementioned work area.

1355: crew began checking irrigation and bagging vegetation while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'Michael Walsh', written in a stylized, cursive-like font.



photo\_1-laying\_irrigation\_before\_facingS.jpg  
-118.17191 34.19141



photo\_2-laying\_irrigation\_after\_facingS.jpg  
-118.17203 34.19145



photo\_3-crew\_fusing\_pipes\_facingS.jpg  
-118.17164 34.19215



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: December 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	45 °F	0-3 MPH	50 %
End of Day	14:00	59 °F	10-12 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

4-person Natures Image weeding crew and 1 Stillwater biologist at start, 1 crewmember left at 0830 (call Daniel Holmes for more details about that.) Hand-pulling/raking understory weeds in southern end of DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BEWR AMCR COHA NUWO ACWO CEDW BLPH AUWA BTPI CASJ MALL HOFI BGGN ANHU CALT RCKI LEGO  
WREN RSHA NOFL OATI BUSH SOSP CORA RTHA

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630-1400: 4-person (later 3-person) weeding crew hand-pulling/raking understory weeds in the southern end of DG-4, near the dam. Quite a bit of standing water in the lowest part of the dam basin, from yesterday's rains. Crew stopped vegetation work at 1400.

**Additional Comments**

N/A

**Signature**





**Vegetation clearing\_before\_facingS.jpg**



**Devil's Gate Reservoir\_water\_DG-4 south.jpg**



**Vegetation clearing\_after\_facingS.jpg**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: December 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	7-9 MPH	5 %
End of Day	14:30	64 °F	4-6 MPH	15 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 fusing pipes (in area DG-W-1/DG-2B), and weed whacking/hand pulling mustard, star thistle, and exotic grasses in area DG-W-1.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, HOFI, CATH, CALT, AMCR, WCSP, NOFL, ACWO, MODO, LEGO, SPTO, BUSH, ANHU, NUWO, BEWR, SAPH, BLPH, YRWA, RTHA, CAQU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645: monitored pipe fusing in area DG-W-1.

0930: continued pipe fusing efforts in DG-2B.

0940: monitored vegetation clearing in area DG-W-1.

1400: crew began wrapping up while I inspected the site and took photos.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'M. Walsh', with a large, stylized flourish at the end.



photo\_1-DG-W-1\_crew\_fusing\_pipe\_facingE.jpg  
-118.1709 34.19165



photo\_2-DG-W-1\_vegetation\_clearing\_before\_facingE.jpg  
-118.17118 34.19176



photo\_3-DG-W-1\_vegetation\_clearing\_after\_facingE.jpg  
-118.17095 34.19181



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: December 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	46 °F	0-3 MPH	0 %
End of Day	13:05	75 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

5-person Natures Image weeding crew and 1 Stillwater biologist hand pulling weeds in southern end of DG-4.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

RTHA RSHA NOFL NUWO BEWR BGGN AUWA CALT SPTO KILL RNDU MALL AMPI AMCR CORA BLPH HUVI  
RCKI OATI CASJ HETH ACWO WCSP COYE SOSF WTSW HOFI ANHU CANG KILL

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630-1300 weeding crew working in southern end of DG-4, same area as 12/29/20. Water in reservoir — today there were small numbers of waterfowl and killdeer at the water. Crew stopped vegetation work at 1300.

**Additional Comments**

Biologist was having issues with phone camera so no before/after photos were taken.

**Signature**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael walsh**  
**Date of Log: December 31, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	41 °F	4-6 MPH	0 %
End of Day	14:30	63 °F	10-12 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 4 hand pulling/weed whacking mustard and exotic grasses in DG-W-1.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

HOPI, ACWO, CAKI, AMCR, WCSP, CALT, NUWO, CASJ, NOFL, CATH, CAQU, BEWR, EUCD, BLPH, YRWA, CORA, RTHA, TUVU, MALL, RNDU, AMWI, KILL, SOSP, COHA, ANHU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645: monitored vegetation clearing in DG-W-1 on the east side of the Johnson field.

0900: crew began wrapping up pulling.

0915: crew spent some time picking up trash on the east side.

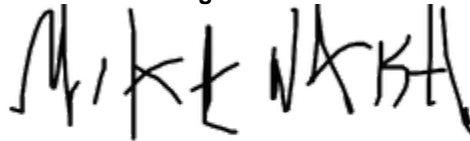
1030: crew continued hand pulling the Johnson field.

1400: crew began wrapping up pulling while I inspected the site and took photos.

**Additional Comments**

N/A

**Signature**





**photo\_1-DG-W-1\_vegetation\_clearing\_before\_facingN.jpg**  
-118.17121 34.1911



**photo\_2-DG-W-1\_vegetation\_clearing\_after\_facingN.jpg**  
-118.17124 34.19107



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Deven Kammerichs-Berke**  
**Date of Log: December 31, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	45 °F	0-3 MPH	0 %
End of Day	08:45	56 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

5 person Natures Image weeding crew and 1 Stillwater biologist raking/hand pulling weeds on the east side of Devil's Gate Reservoir (DG-3A).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

AMWI AMCR KILL RNDU MALL SPTO ANHU CATH CALT WCSP HOFI BEWR

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645-0845: Weeding crew working in southern end of DG-3A.

0825: Natures Image foreman got word that one weeding crew member tested positive for COVID-19. After consulting with Stillwater and Natures Image higher-ups, work was halted for the day.

0845: Stillwater biologist left site

**Additional Comments**

No photos taken.

Signature



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Michael Walsh**  
**Date of Log: November 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	64 °F	0-3 MPH	20 %
End of Day	14:30	81 °F	4-6 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew of 5 hand pulling perennial pepperweed in the western area of the site, on DG-4A.

**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, CALT, YRWA, ANHU, BEWR, WCSP, CORA, CASJ, HOFI, LEGO, ACWO, RCKI, AMCR, COHA, BUSH, BLPH, ALHU, BCHU, MODO, NUWO, BGGN, western fence lizard, SOSP, CATH, CAQU, COYE, DEJU, WEBL, WEME, SAPH, RSHA, DOWO, CAKI.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645: monitored vegetation clearing in DG-4A.

1230: pre-swept area for likely future work efforts.

1400: crew began wrapping up work while I inspected site and took photos.

**Additional Comments**

N/A

Signature





photo\_1-DG-4A\_before\_handpulling\_facing\_W.jpg  
-118.17677 34.18962



photo\_2-DG-4A\_before\_handpulling\_facing\_S.jpg  
-118.17675 34.18963





**photo\_3-DG-4A\_after\_handpulling\_facing\_S.jpg**  
-118.17678 34.18962



**photo\_4-DG-4A\_after\_handpulling\_facing\_W.jpg**  
-118.17692 34.18972

## Habitat Restoration Grading Monitoring Logs

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: October 8, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	64 °F	0-3 MPH	100 %
End of Day	15:48	79 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Vegetation clearing with track loader and water truck. Griffith Company: Fausto (operator)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, AMRO, SOSP, CALT, LEGO, COHA, MODO, CAKI, RTHA, desert cottontail, alligator lizard, western toad, peromyscus sp., CORA, BUSH, ACWO, common garter snake

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 monitored vegetation clearing at Johnson Field. Relocated 1 western toad, 3 peromyscus sp., 1 alligator lizard, and 1 common garter snake. 3 desert cottontails were also flushed from the site.

**Additional Comments**

N/A

**Signature**







photo\_1-20201008\_preconstruction\_facingN.jpg  
-118.17159 34.19079



photo\_2-20201008\_vegetation removal\_facing E.jpg  
-118.17211 34.19178



photo\_3-20201008\_after vegetation clearing\_facing NW.jpg  
-118.17151 34.19082

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: October 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	63 °F	0-3 MPH	100 %
End of Day	15:25	88 °F	4-6 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Vegetation clearing with track loader and water truck. JW Land Clearing: Fausto (operator), Griffith Company: Joe (foreman), Tony (surveyor) LADPW: Pete (inspector)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, coyote, NOMO, BUSH, peromyscus so., CAKI, CALT, SOSP, ACWO, LEGO, WCSP, alligator lizard, western fence lizard, green parrot, RTHA

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 monitored vegetation clearing. Relocated 1 alligator lizard and 2 peromyscus sp.

**Additional Comments**

N/A

**Signature**







photo\_1-20201009\_vegetation clearing\_facing N.jpg  
-118.17112 34.19157



photo\_2-20201009\_vegetaion clearing after\_facing N.jpg  
-118.17146 34.19077

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: October 12, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:15	59 °F	0-3 MPH	0 %
End of Day	13:14	96 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing with track loader and water truck. JW Land Clearing: Fausto (operator). Griffith Company: Joe (foreman)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

RTHA, CAQU, CASJ, CALT, WCSP, MODO, SOSP, LEGO, ACWO

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

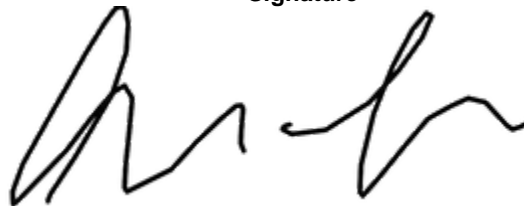
**Log Entry**

0700 monitored vegetation clearing. Flushed several quail from area.

**Additional Comments**

N/A

**Signature**





**photo\_1-20201012\_after vegetation removal\_facing S.jpg**  
-118.17203 34.19068



**photo\_2-20201012\_partially cleared area\_facing SE.jpg**  
-118.17195 34.1906



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: October 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:42	58 °F	0-3 MPH	0 %
End of Day	16:17	98 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing with track loader, wheel loader, water truck. JW Land Clearing: Fausto (operator). Griffith Company: Joe (foreman)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CAQU, BUSH, WCSP, LEGO, CASJ, AMCR, green parrot, COHA, desert cottontail, California ground squirrel, woodrat, RTHA, BLPH, CAKI, ACWO

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 monitored vegetation removal. Flushed one woodrat from work area.

**Additional Comments**

N/A

**Signature**





photo\_1-20201013\_vegetation removal\_ facing SW.jpg  
-118.17191 34.19076



photo\_2-20201013\_vegetation clearing\_ facing S.jpg  
-118.17206 34.1907

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Josh Corona-Bennett**  
**Date of Log: October 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	71 °F	0-3 MPH	15 %
End of Day	14:30	86 °F	0-3 MPH	35 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith Company grading habitat mitigation 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:**

HOPI CASJ CALT

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

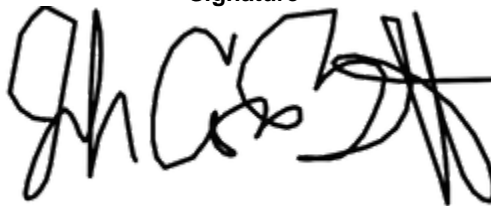
**Log Entry**

Attended meeting to discuss work planned for alta dena drain. Reviewed progress of Griffith grading of habitat mitigation areas

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'JCB', with a large, stylized flourish extending from the end.



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Jen Kendrick**  
**Date of Log: October 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:15	66 °F	0-3 MPH	50 %
End of Day	10:30	90 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

No construction activity occurred due to a red flag event.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, CORA, CALT, BUSH, ANHU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

Crews did not work due to red flag warning. Biologists continued to flag area in which vegetation removal will occur. Biologists also conducted surveys for potentially active coyote/American badger burrows.

**Additional Comments**

Photos were not taken due to no construction activities occurring.

**Signature**



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: October 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	63 °F	0-3 MPH	100 %
End of Day	15:30	83 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing and grading of east side DH-2 WOUS.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

WCSP, CORA, RTHA, SOSP, desert cottontail, CALT, NUWO, CATH, CASJ, deer mouse, woodrat, RSHA, ANHU, CAQU, RCKI, LEGO

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 arrived onsite.

0655 met Mary and got iPad, arrow, tongs, and bucket from County trailer.

0705 met Fausto (operator) and Joe at Johnson Field

0715 Fausto using dozer to load stockpiled brush in basin into dumpsters. Grader and water truck grading DG-2 new channels that are already clear of brush, left area at 0755.

0820 Loader took over loading in basin and dozer moved down to channels.

0925 spoke to Josh about how far to divert around group of willows, can stay on west side of natural berm with large willows.

1200 lunch

1410 difficult for water truck to keep dust minimal, NI fixed disconnected hose and noted 1 willow planting was affected by stockpiled brush.

1420 willows removed at bottleneck, mulefat too thick to flag, will have operator remove a small swath at a time and flag when possible.

1330 done for day.

**Additional Comments**

Monitoring to continue west of eucalyptus.

**Signature**





Looking\_SW\_willows\_to\_be\_removed.jpg  
-118.17224 34.18989



Looking\_NE\_stockpiled\_vegetation.jpg  
-118.17232 34.18954



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Josh Corona-Bennett**  
**Date of Log: October 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	69 °F	0-3 MPH	40 %
End of Day	16:30	90 °F	0-3 MPH	15 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing with tracked equipment (x1) fitted with clasping bucket.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ CAQU orange-throated whiptail lizard COHA MODO SAPH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 started monitoring vegetation clearing.

1030 observed orange-throated whiptail at edge of vegetation clearing zone, unharmed.

1430 ended monitoring vegetation clearing.

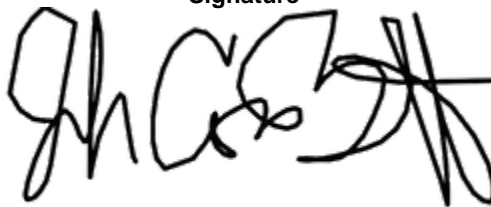
1445 started flagging vegetation clearing path for next day.

1630 ended work for day.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'Josh Corona-Bennett', with a stylized, overlapping flourish at the end.

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max Murray**  
**Date of Log: October 21, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	55 °F	0-3 MPH	100 %
End of Day	15:45	78 °F	4-6 MPH	30 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

- 1) vegetation clearing for ingress/egress through DG-4 WOUS.
- 2) one track loader and one water truck
- 3) Joe (foreman for Griffith), Fausto (operator), and Mikey (water truck driver).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

AMCR, COHA, RSHA, WCSP, CALT, CASJ, LEGO, BUSH, BEWR, YRWA, side-blotched lizard, western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630: arrive onsite and prep GSP unit  
0715: coordinate with Joe, Fausto, and Mikey for today's work.  
0730: begin monitoring grading activities in the ingress/egress for DG-4 WOUS  
1115: water truck stuck  
1130: spoke with inspector Alex  
1240: water truck unstuck  
1530: end monitoring  
1545: spoke to Mary at the trailer  
1550: leave project site

**Additional Comments**

Hazy/smoky conditions in the afternoon

**Signature**

A handwritten signature in black ink, appearing to read 'M. Murray', with a large, stylized 'M' and a horizontal line crossing through the middle of the letters.



**Grading\_ingress\_egress\_DG4WOUS\_facingW.jpg**  
-118.17283 34.19165



**Vegetation\_removal\_ingress\_egress\_DG4WOUS\_facingE.jpg**  
-118.17345 34.19179





**Vegetation\_removal\_DG4WOUS\_facingNE.jpg**  
-118.17316 34.19264



**Vegetation\_removal\_after\_DG4WOUS\_facingSW.jpg**  
-118.17355 34.19241

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: October 22, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:45	57 °F	0-3 MPH	100 %
End of Day	15:42	69 °F	4-6 MPH	60 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

- 1) vegetation clearing and grading
- 2) one track loader and one water truck
- 3) Joe (Griffith) and Fausto (operator)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, HOFI, CASJ, CALT, LEGO, RTHA, RSHA, YRWA, western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0745 - arrive onsite  
0800 - clearance of DG4-WOUS  
0830 - walk the work area with Mary (LA County)  
0900 - begin monitoring vegetation clearing and grading  
1420 - vegetation clearing and grading up to Soil Excavation Zone  
1445 - begin clearing vegetation along Ingress/Egress west of DG4-WOUS  
1520 - end monitoring

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to be 'MDM' with a stylized flourish at the end.





**Vegetation\_clearing\_during\_DG4WOUS\_facingN.jpg**  
-118.17312 34.19257



**Vegetation\_clearing\_soil\_excavation\_zone\_access\_facingNE.jpg**  
-118.17304 34.1929





**Vegetation\_clearing\_soil\_excavation\_zone\_access\_facingNW.jpg**  
-118.17271 34.19318



**Vegetation\_clearing\_after\_ingress\_egress\_facingW.jpg**  
-118.17409 34.19215

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max D. Murray**  
**Date of Log: October 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	61 °F	0-3 MPH	100 %
End of Day	15:40	70 °F	4-6 MPH	80 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

- 1) vegetation clearing in the ingress/egress working from east to west
- 2) one track loader and one water truck
- 3) Fausto (operator of track loader) and Mikey (water truck driver)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

WCSP, ACWO, BUSH, WREN, AMCR, LEGO, CASJ, BEWR, RTHA, BGGN

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 - on site

0700 - sweep ingress/egress work area for vegetation clearing

0710 - begin monitoring vegetation clearing

0800 - start clearing vegetation into DG-W-2 (outlet). Working from south to north towards the mining pit

1100 - vegetation clearing reaches DG-W-2 mining pit

1530 - end monitoring

1540 - leave site

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to be 'MDM' with a stylized flourish underneath.





**Vegetation\_clearing\_ingress\_egress\_before\_facingW.jpg**  
-118.17401 34.19209



**Vegetation\_clearing\_ingress\_egress\_during\_facingE.jpg**  
-118.17431 34.19221





**Vegetstion\_clearing\_DGW2\_during\_facingS.jpg**  
-118.17466 34.19263



**Vegetation\_clearing\_DGW2\_after\_facingW.jpg**  
-118.17433 34.19266

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carley Lancaster**  
**Date of Log: October 28, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	52 °F	0-3 MPH	0 %
End of Day	15:30	79 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing and grading conducted by JV Land Clearing Company. Crew used one dozer and one water truck. Crew consisted of two crew members (Fausto is foreman).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

MODO NOMO LEGO HOFI CORA CASJ RTHA EUST CALT SPTO CAQU BEWR ACWO western fence lizard,  
California ground squirrel

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 arrived on site and conducted pre-construction sweep.

0700 crew began removing vegetation within the grading limits for DG-W-2.

1530 crew done for the day. Biologist conducted final sweep and left site.

**Additional Comments**

Signature







**Vegetation\_clearing\_before\_facingNE.jpg**



**Vegetation\_clearing\_during\_facingSW.jpg**





Vegetation\_clearing\_after\_facingNE.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischler**  
**Date of Log: October 29, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	44 °F	0-3 MPH	0 %
End of Day	11:15	84 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Continued clearing/grading toward north end of DG-W-2 (old mining pit) 1 dozer (Fausto), 1 water truck (George) for Griffith, Qays observing -County

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

BUSH, COHA, desert cottontail, parrots, CORA, coyote, CASJ, EUST

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0650 arrived at County trailer and grabbed equipment.

0705 met Fausto and George at basin and walked dozer and water truck in.

0820 Qays (LACPW) on site.

0930 contacted Daniel at NI to let him know we will likely be at the 4" water line after lunch, 12:30ish. He will send someone to move the line at that time. Ill call back to confirm time.

1025 Water truck left to refill. Working closely with operator to clear final 20'.

1040 George walked in because water truck could not make the curve due to soft soils. Said Joe wants us to stop so gas company can mark underground lines. Had us move to drainage in SE portion of basin. Near DG-3A.

1115 was notified by Joe that no further vegetation removal would occur. Will work with County to determine plan for tomorrow and will notify Lauren if a monitor is not needed.

1130 returned equipment to trailer and notified NI that access over 4" water pipe was not needed today, possibly tomorrow.

**Additional Comments**

N/A

**Signature**





Looking\_N\_at\_northern\_DG-W-2\_limit.jpg  
-118.17391 34.19318



End\_conditions\_DG-W-2\_north.jpg  
-118.17388 34.1933



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: November 4, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	44 °F	0-3 MPH	0 %
End of Day	14:15	84 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith Company restoration grading, 1 dozer (Kenny), 1 water truck, 1 skiploader

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

rtha, hofi, blph, nofl, casj, spto, bush, sosp, bewr, wcsp, amcr, calt, cath, anhu, rcki, caqu, yrwa

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 arrived on site, dozer began grading with water truck and one laborer raking. discussed what to do with excess fill with Joe. will spread some excess fill out as feasible but large berms are not permitted. excess fill will need to be exported from site. dozer stockpiling excess fill. small amount of mulefat removed under biologist supervision to maintain slope, removal was no more than 1 ft and was within flagged limits. Dumpsters removed from channels as well as some stockpiled vegetation using loader.

1330 work at Johnson field done for the day due to need to remove excess fill and having limited access due to gas line.

1400 biologist left site. no bio issues observed

**Additional Comments**

N/A

Signature





**photo\_1-dozer grading.jpg**  
-118.17175 34.19068



**photo\_2-dozer stockpiling fill.jpg**  
-118.17208 34.18997



photo\_3-graded areas with slope.jpg  
-118.17192 34.1907



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: November 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	64 °F	0-3 MPH	25 %
End of Day	15:00	89 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith Company, removing vegetation stockpiles with skip loader, 1 operator (Leo), one water truck

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

wcsp, calt, rtha, cath, casj, amcr, anhu, yrwa, gopher snake, western toad, cottontail, caqu, coye, rcki, bewr, modo

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 arrived on site, checked in with Joe

0700 began monitoring vegetation pile removal

0730 crew called me over to relocate a western toad that was in the hauling area and had been unearthed by the excavator.

0930-1300 Discussed survey staking and future vegetation removal with Mary and Joe at both east survey ramp and mining pit. reflagged some areas of dg-w-2 mining pit and outlet to allow for expansion if necessary. discussed approach of biologist flagging dg-w-2 outlet ahead of landscape clearing crew on Monday. County notified me of gopher snake mortality near Johnson field. hatchling snake appeared to have been run over although no project vehicles were in the area.

1300 resumed monitoring removal of vegetation stockpile

1430 work done for the day. no bio issues observed

1500 biologist left site

**Additional Comments**

N/A

**Signature**





**photo\_1-skip removing vegetation stockpile.jpg**  
-118.17205 34.19097



**photo\_2-skip removing vegetation pile.jpg**  
-118.17203 34.19097

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carley Lancaster**  
**Date of Log: November 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	20 %
End of Day	15:30	63 °F	0-3 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing and grading conducted by JV Land Clearing Company and Griffith Company. Crew used one dozer and one water truck. Crew consisted of two crew members and one foreman (Fausto is foreman).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

MODO NOMO LEGO HOFI CORA CASJ RTHA EUST CALT SPTO CAQU BEWR ACWO YRWA WCSP western fence lizard, California ground squirrel, western toad

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 arrived onsite and conducted pre-construction sweep.

0800 crew began removing vegetation within the grading limits for DG-W2.

1530 crew done for the day. Biologist conducted final sweep and left site.

**Additional Comments**

**Signature**







**Vegetation clearing\_during\_facingNE.jpg**



**Vegetation clearing activities.jpg**

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischler**  
**Date of Log: November 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	34 °F	0-3 MPH	0 %
End of Day	15:07	71 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Clearing and grading of south end of DG-W2 (outlet) below road. 1 dozer (Fausto), 1 water truck (Arasio), Griffith grading surveyor (Leopold), County inspector (Qas)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

coyote (2 groups of 4-6 heading south to north), WEKI, BUSH, CASJ, CORA, ACWO, NOFL, COHA, CAQU, OATI, CALT, woodrat (s, middens)

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0650 picked up Arrow and iPad from County trailer, checked in with Mary.  
0705 met Fausto at intersection of DG-W2 and northern access road. Cleared 6 coyotes off DG-W2 ahead of dozer.  
0730 flagged woodrat midden in box elder grove west of southern trail for avoidance. Flagged to curve before submeter lost reception. Widened berm over irrigation pipe  
0800 water truck, Griffith surveyor/monitor, and Qas (County) arrived on site  
0840 used Griffith GPS and phone to flag to end. Open areas west of trail outside channel limits. Southern portion below curve is already clear of vegetation including areas outside channel limits  
1100 water truck left to refill, paused until return  
1215 lunch till 1250  
1400 completed south end, asked Leopold to grab GPS to verify since my GPS was not working.  
1445 dozer and water truck left. Will need Natures Image to move irrigation lines when grading occurs. Leopold is aware and Daniel requires 24 to 48 hours notice.

**Additional Comments**

No monitor on holiday tomorrow. Got the go ahead for Altadena drainage. All clearing complete and let Mary know everything is flagged except the outer edge of the existing road south and west of Johnson Field.

**Signature**







Looking west at DG-W2 west of trail.jpg  
-118.17558 34.19152



Looking southeast across existing clearing at DG-W2.jpg  
-118.1756 34.19162





Looking\_north\_at\_pre-Griffith\_clearing\_conditions.jpg  
-118.17593 34.1912

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max DeLonais Murray**  
**Date of Log: November 12, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	48 °F	0-3 MPH	40 %
End of Day	15:11	70 °F	0-3 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

- 1) grading
- 2) one dozer, one track loader, two water trucks
- 3) Joe (Griffith), Leo (Griffith), Qays (Public Works), Mary (Public Works)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

WEKI, COHA, RSHA, BLPH, RTHA, ACWO, NUWO, WREN, BEWR, NOFL, CATH, CALT, AMCR, CORA, WCSP, CASJ, YRWA, CAQU, BUSH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 - onsite  
0645 - at Johnson's field to meet with crews  
0650 - meet up with Joe and coordinate efforts for the morning  
0811 - check DG4WOUS grading limits  
0940 - monitoring grading at DG2WOUS  
1455 - finish monitoring grading at DG2WOUS  
1515 - leave site

**Additional Comments**

N/A

**Signature**





**Grading\_DG2WOUS\_during\_facingS.jpg**  
-118.17234 34.1895



**Stockpile\_removal\_DG2WOUs\_during\_facingSE.jpg**  
-118.1723 34.18976





Grading\_DG2WOUS\_after\_facingSW.jpg  
-118.17275 34.18888

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max DeLonais Murray**  
**Date of Log: November 13, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	39 °F	0-3 MPH	0 %
End of Day	15:45	66 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

- 1) grading in DG2WOUS
- 2) one dozer and one water truck
- 3) Leo (Griffith) - operator engineer, Fausto (sub to Griffith) - operator, Joe (Griffith) - superintendent and one water truck driver

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

AMCR, CASJ, YRWA, BGGN, CORA, BLPH, CALT, HOFI, LEGO, ACWO, MODO, EUST, RTHA, BEWR, CATH, WCSP, NUWO, COHA

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 - onsite  
0645 - arrive at DG2WOUS, dozer had already started grading before I arrived. Begin monitoring immediately.  
0845 - coordinate with Leo about monitoring needs, continue monitoring DG2WOUS  
1020 - coordinate with Leo about vegetation removal and clean-up in DG-W2.  
1245 - begin monitoring vegetation clearing in DG-W2.  
1530 - end monitoring  
1545 - leave site

**Additional Comments**

N/A

Signature





**Grading\_DG2WOUS\_during\_facingNE.jpg**  
-118.17279 34.18899



**Grading\_DG2WOUS\_during\_facingSE.jpg**  
-118.17242 34.18951





Vegetation\_clearing\_DG-W2\_during\_facingNW.jpg  
-118.17438 34.19256



Vegetation\_clearing\_DG-W2\_after\_facingN.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: November 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:40	46 °F	0-3 MPH	0 %
End of Day	15:00	90 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Grading of DG-2 (WOUS) and removal of sediment from channels to stockpile area in Johnson Field. Removal of cut vegetation from DG-4 (WOUS).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, WCSP, YRWA, BLPH, parrot, BEWR, woodrat (middens only), side-blotched lizard, cabbage white, California ground squirrel (v)

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0630 retrieved submeter from County trailer

0640 met Kenny (operator of mini dozer with slant boards)

0700 mini dozer entered DG-2 (WOUS) at south entrance from basin and continued grading to north. South end already graded.

0810 large blade (Cody) entering from north and helping grade. Blade and GPS hit black willow on west edge but corrected before significantly damaged. Told Leopold the mini dozer should be used for grading in narrow areas.

Loader and 2nd dozer with bucket working in channels to relocate sediment to Johnson Field.

1200 Leo asked me to assess limb to be cut along DG-4 (WOUS). Says previous monitor stated it would need to be hand cut. Stick nest is 4' off ground and unlikely to serve as raptor nest, however, old raptor nest located in crook of tree to north and woodrat midden at base of limb preserved in place. Cut cleanly with electric hand saw and Fausto will remove after lunch while supervised.

1210 returned to east side. Dirt pile by oak has been mostly removed.

1235 supervised removal of cut limb. No wildlife issues.

1250 returned to east side. Mini dozer beginning to grade westernmost channel.

1315 walked top of slopes with submeter for completed south section of DG-2.

1445 Kenny left to park mini dozer. Loader continued to remove sediment until 1455

1500 Fausto done.

**Additional Comments**

N/A

**Signature**







Looking\_east\_at\_low\_stick\_nest\_along\_DG-4 (WOUS).jpg  
-118.17362 34.19222



Looking\_northeast\_at\_clean\_cut\_limb.jpg  
-118.17355 34.19228





Looking\_north\_at\_western\_DG-2\_new\_channels.jpg  
-118.17223 34.19013



Looking\_northeast\_at\_DG-2\_from\_intersection\_with\_western\_channel.jpg  
-118.17231 34.18993

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: November 16, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	49 °F	0-3 MPH	0 %
End of Day	11:47	84 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Construction Monitoring

**Construction Activity:**

Vegetation clearing with track loader and water truck. JV Land Clearing - Fausto (operator) and Griffith Company - Joe (foreman).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CORA, BUSH, LEGO, woodrat, CALT, California ground squirrel, CASJ, BLPH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

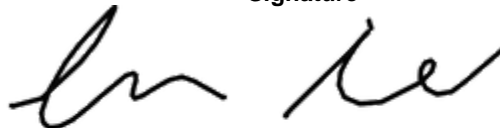
**Log Entry**

0700 monitored vegetation removal at Altadena Drain. Flushed one California ground squirrel and several woodrats out of removal area.

**Additional Comments**

N/A

**Signature**





photo\_1-20201116\_vegetation clearing\_facing NE.jpg  
-118.17381 34.18654



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: November 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:30	47 °F	0-3 MPH	5 %
End of Day	12:43	78 °F	0-3 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Restoration grading with grader, bulldozer, track loader, water truck. Griffith Company - Joe (foreman), Leo (surveyor)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

Green parrots, LEGO, CASJ, BUSH, ANHU, CALT, coyote, WCSP, SOSP, RTHA, red-eared slider, CORA, California ground squirrel

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 walked site

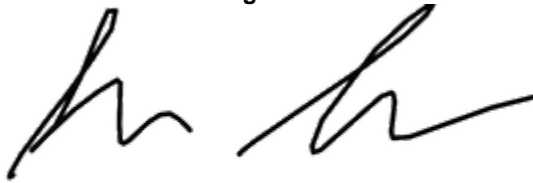
0810 monitored grader grading along DG-W2. Equipment was too large for the area and left after one pass.

1145 informed that no equipment would be working on the west side of the basin

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to be 'Sh', written over a light blue horizontal line.

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: November 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	45 °F	0-3 MPH	0 %
End of Day	15:37	76 °F	0-3 MPH	30 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith Company restoration grading at DG-2 (new channels). 1 operator on dozer (Kenny), grading and export removal at Johnson field using blade, dozer, and skiploader, loading haul trucks with export

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

casj, wcsp, anhu, calt, gbhe, cora, parrot sp, spto, sosp, yrwa, blph, coha, rtha, caqu, modo

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0635 arrived onsite

0700 began monitoring restoration grading of DG-2 new channels with dozer

1145 hauling crew notified me of a turtle in the hauling area, red-eared slider, I captured and will relocate to a turtle rescue, continued monitoring of Johnson field and DG-W2 new channels grading.

1400 discussed issue of oak tree removal and rerouting pipe with contractor at Johnson field. will need more coordination with engineer.

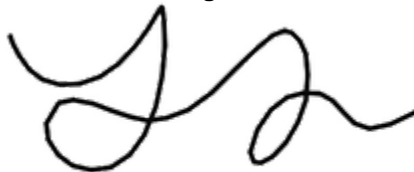
1515 crew done at Johnson field.

1536 biologist left site

**Additional Comments**

N/A

**Signature**





**photo\_1-grading in DG-W2 new channels.jpg**  
-118.17231 34.18988



**photo\_2-Johnson field grading.jpg**  
-118.17147 34.19251



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: November 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:42	42 °F	0-3 MPH	0 %
End of Day	16:32	63 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Grading with bulldozer, wheel loader, grader, tractor loader, water truck. Griffith Company - Joe (foreman), Leo (surveyor)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

LEGO, CALT, coyote, BUSH, SOSP, WCSP, CASJ, AMCR, CAQU, BLPH, RTHA, CORA, ACWO, California ground squirrel, WEBL

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 monitored grading in DG-W2

0840 monitored grading in DG-4

1010 monitored grading at DG- W2

1500 staked soil deposit area at north end of DG-4

**Additional Comments**

N/A

**Signature**





photo\_1-20201118\_grading in DG-W2\_ facingSW.jpg  
-118.17583 34.19147



photo\_2-20201118\_grading in DG-W2.jpg  
-118.17516 34.19153

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: November 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:50	48 °F	0-3 MPH	0 %
End of Day	17:01	58 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith Company adjusting slope at DG-3B near alta dena drain, using dozer and excavator

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

cora, casj, bewr, wcsp, sosp, coye, lisp, blph, side-blotched lizard, rtha

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0650 arrived onsite, began monitoring earthwork near Alta Dena drain. building up slope in DG-3B and around Alta Dena drain using dozers and excavators. rerouting flow from Alta Dena drain to low flow channels.  
1650 work complete for the day

**Additional Comments**

N/A

**Signature**







**photo\_1-building slope by 3B.jpg**  
-118.17344 34.18748



**photo\_2-grading by 3B.jpg**  
-118.17348 34.18748



photo\_3-work complete for today.jpg  
-118.1738 34.18691

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischler**  
**Date of Log: November 20, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	43 °F	0-3 MPH	0 %
End of Day	15:45	76 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Sediment removal, loading, and hauling from berm below Altadena channel.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

SOSP, BEWR, parrots, RTHA, BLPH, WCSP, CASJ, CORA, LEGO, ANHU, CALT, KILL, California ground squirrel, COYE

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 3 excavators, blade, dozer, front loader, and water trucks heading toward dam. Excavator dammed Altadena outlet and blade leveled haul road.

0700 haul trucks being loaded by 3 excavators, all work conducted within basin and outside restoration areas

0705 noted large roots stockpiled west of DG-3B, mini dozer spreading, vibratory roller compacting, large stockpiled roots removed, blade with GPS grading.

1045 dozer drove up haul ingress road knocking a few mulefat with sideboard. Began pushing dirt into Altadena channel below restoration areas. Temporarily halted while I confirmed authorized activity with Josh and Joe before operator continued. Will open back up at end of day. ESA fence removal has begun in north portion of site and should be completed by Wednesday.

1245 Leo stated more vegetation removal is necessary for east entry road. Centerline is staked and outer edge will extend 8' beyond that plus 2' of temporary distribution. Irrigation line and 2 to 4 container plants have already been impacted. Worked with Daniel at NI and Leo to remove irrigation lines and flag outermost vegetation removal limits which will remove approximately 15 plantings. Discussed with Mary Kinsler, Carley (ECORP), and Margie (NI). Mary will stop by after 2pm safety meeting. Excavator continued working on adjacent slope in meantime.

1400 gave go ahead to Leo to clear and grub. He notified operator who will start after finishing current area.

1445 last haul truck departed. Excavators parked except one which switched buckets.

1455 operator of final excavator undamming Altadena drainage, removing haul road across drainage.

1530 operator parked excavator, done for day.

**Additional Comments**

N/A

**Signature**







Looking\_west\_at\_dammed\_Altadena\_drain.jpg  
-118.1736 34.18694



**Looking\_northeast\_at\_DG-3B.jpg**  
-118.17366 34.18698



**Looking\_west\_at\_staked\_east\_entry\_road.jpg**  
-118.17327 34.18684





Looking\_east\_at\_Altadena\_channel.jpg  
-118.17409 34.18702



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: November 23, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:01	37 °F	0-3 MPH	0 %
End of Day	15:05	62 °F	0-3 MPH	10 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith Company rebuilding slope near Alta Dena Drain using dozer and excavator

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

cora, wcsp, sosp, rcki, saph, bggn, calt, rtha, lego, bush, bewr, side-blotched lizard, desert cottontail

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

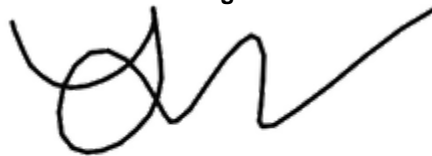
**Log Entry**

0650 arrived onsite, began monitoring dozer building slope next to Alta Dena drain. monitored small amount of vegetation removal required to build new access route. Monitored excavator moving fill to build new access route, restoration irrigation had to be moved to accomodate, Natures Image will fix it next week. No bio issues observed. 1500 work done for the day

**Additional Comments**

N/A

**Signature**





**photo\_1-vegetation removal.jpg**  
-118.17341 34.1869



**photo\_2-rebuilt slope near Alta Dena drain.jpg**  
-118.17347 34.18699



photo\_3-area where irrigation affected.jpg  
-118.1734 34.18693



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: November 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:55	46 °F	0-3 MPH	15 %
End of Day	14:05	66 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith Company site demobilization

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

cora, wcsp, casj, spto, caki, rtha, coha, saph, blph, yrwa, acwo, parrot sp., desert cottontail, bush, lego

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 arrived onsite, crew is done at Altadena drain and wont be working in mining pit until later in the day, began recording data on limits of vegetation removal at Johnson field and mature trees avoided.

1100 attended final site walk with LACPW

1230 determined that no work will occur at mining pit today (police activity). Finished marking boundaries and trees at Johnson field. Removed all biologist red/white flagging from Johnson field channels.

1400 left site. no bio issues observed.

**Additional Comments**

N/A

**Signature**





photo\_1-channels south of Johnson field.jpg  
-118.17197 34.19102

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Carley Lancaster**  
**Date of Log: November 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	51 °F	0-3 MPH	10 %
End of Day	11:00	69 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith crew used one dozer, two front loaders, and one water truck to grade the channel in DG-W2 outlet. Crew consisted of 6 laborers and one foreman (Joe Carattini).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

ACWO, CASJ, CATH, CALT, SPTO, SOSP, WCSP, YRWA, ANHU, RTHA, CORA, EUST, ROPI, BEWR, desert cottontail, western fence lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 arrived onsite and conducted pre-construction sweep.

0710 monitored grading and soil deposit in DG-W2 outlet.

1100 crew done for the day biologist conducted final sweep.

**Additional Comments**

**Signature**







Grading\_before\_facingSW.jpg



Grading\_during\_facingS.jpg



Grading\_after\_facingSW.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: November 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	32 °F	0-3 MPH	20 %
End of Day	08:45	48 °F	0-3 MPH	20 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

N/A work cancelled

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

cora, casj, blph

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 arrived onsite

0700 talked with Joe work will be canceled for the day. Finished mapping trees avoided north of egress path.

0845 left site

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to be 'LS', written over a light gray grid background.



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Josh Corona-Bennett**  
**Date of Log: December 2, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	41 °F	0-3 MPH	5 %
End of Day	12:28	76 °F	0-3 MPH	40 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Grading in mining pit. Culvert installation at Johnson Field.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, WCSP, CORA, parrot, NOFL, SPTO, CATH, WESJ, CAQU

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

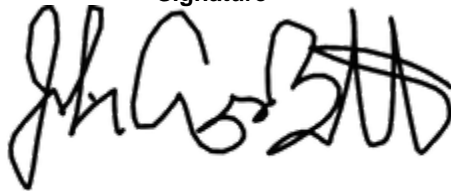
0645 - 1100 Assisted County surveyors with staking out the location for vinyl sheet pile in DG-2 (New Channels) and the culvert alignment for the Johnson Field area.

1100 - 1230 Reviewed restoration grading progress on west side of Arroyo Seco.

**Additional Comments**

N/A

**Signature**

A handwritten signature in black ink, appearing to read 'Josh Corona-Bennett', written over a light gray grid background.

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: December 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:50	55 °F	0-3 MPH	90 %
End of Day	15:16	81 °F	0-3 MPH	50 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Grading, sediment relocation and spreading with wheel loader, grader, bulldozer, skip loader, water truck. Griffith Company - Leo (surveyor/skip loader operator), Doug (wheel loader operator), Steve (grader operator), Kent (bulldozer operator)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, CALT, coyote, CORA, BUSH, ANHU, BLPH, BGGN, ACWO, CAQU, LEGO, HOFI, NOFL, RTHA, desert cottontail, MODO

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

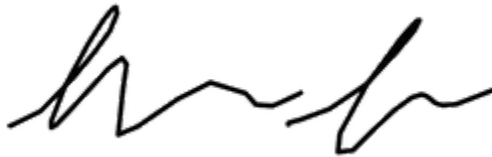
**Log Entry**

0700 monitored grading at south end of DG-W2, soil spreading at soil deposit site at north end of DG-W2, and sediment relocation to soil deposit site at north end of DG~4.

**Additional Comments**

N/A

**Signature**





photo\_1-20201209\_grading DG-W2\_facing SW.jpg  
-118.17491 34.19162



photo\_2-20201209\_soil spreading at DG-4 deposit site\_facingNE.jpg  
-118.17269 34.19325





photo\_3-20201209\_spreading soil at DG-W2 deposit site\_facingN.jpg  
-118.17383 34.19355

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: December 9, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:35	50 °F	0-3 MPH	75 %
End of Day	15:28	73 °F	0-3 MPH	30 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith Company excavator digging new culvert near Johnson field, installing sheet pile at entrance of Johnson field new channels

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

amcr, casj, parrot sp., wcsp, calt, rtha, hofi, anhu, blph, bewr, caqu, spto, sosp, mall

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0635 arrived on site and grabbed gear.

0700 began monitoring excavation of new culvert near Johnson field. Very small oak (1 in diameter at breast height) removed to do the work. larger oak adjacent branches are being grazed by bucket but not removed.

0720 excavator hits and breaks underground water pipe.

0810 City of Pasadena shuts off water.

0830 crew began installing sheet pile at entrance to Johnson field new channels. installation using an excavator and by hand. smoothed out using skip loader.

1440 finished sheet pile, opening up trail next to broken pipe.

1527 biologist left site. no bio issues observed.

**Additional Comments**

N/A

**Signature**





**photo\_1-excavator preparing to dig for culvert.jpg**  
-118.17127 34.19087



**photo\_2-flow in channels from water pipe.jpg**  
-118.17164 34.19032





photo\_3-sheet pile install.jpg  
-118.17194 34.19092



photo\_4-completed sheet pile install.jpg  
-118.17191 34.19077

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Shannan Shaffer**  
**Date of Log: December 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	35 °F	0-3 MPH	0 %
End of Day	15:24	63 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Grading and soil relocation with grader, wheel loader, bulldozer, skip loader, water truck. Griffith Company: Joe (foreman), Doug, Steve, and Kent (equipment operators)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

Green parrot, BLPH, CASJ, COHA, ANHU, HOFI, BUSH, CALT, coyote, RTHA, MODO, AMCR, LEGO, BGGN, PSFL, BEWR, WCSP, CAKI, western fence lizard, common side-blotched lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700 monitored grading and soil relocation at north end of DG-4

**Additional Comments**

N/A

**Signature**





**photo\_1-20201210\_grading north end of DG-W2\_facing N.jpg**  
-118.1747 34.19261



**photo\_2-20201210\_grading south end of DG-W2\_facing N.jpg**  
-118.17491 34.1917





photo\_3-20201210\_soil deposit at north end of DG-4\_facing NE.jpg  
-118.1726 34.19329

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Josh Corona-Bennett**  
**Date of Log: December 10, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:56	38 °F	0-3 MPH	5 %
End of Day	15:16	65 °F	0-3 MPH	30 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Installation of culvert pipe for Johnson Field. Habitat restoration grading at DG-4 WOUS.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CALT, BLPH, NOFL, CASJ, NUWO, BEWR, CORA, parrot sp.

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0700-1510 monitored installation of culvert at johnson field.

**Additional Comments**

N/A

Signature

A handwritten signature in black ink, appearing to read 'JCB', with a stylized flourish extending from the end.

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: December 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	46 °F	0-3 MPH	100 %
End of Day	14:30	59 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

2 loaders 1 water truck on west side of basin moving excavated soils from intersection of DG-4/access road to deposit area northeast of DG-4 (WOUS)

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

Parrots, coyote, EUCD, COHA, CASJ, CALT, WEME, ANHU, AMCR, CORA, RTHA, California ground squirrel (v), desert cottontail (t)

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0650 Griffith tailboard

0700 1 loader (Steve) and began moving dirt after water truck wet trails.

0900 moved out of restoration hauling to help haul dirt from Johnson Field.

1040 switched to dozer and building up berm along west edge of basin just northeast of DG-4 to keep main water flow within main channel.

1200 finished building berm and contouring.

1210 followed Kenny on mini grader back to DG-4 stockpile area. 1-2 loaders (D8s) had been working in area while I was monitoring Steve at berm. Kenny trying to keep dirt within cleared limits but scoopers not helping.

1230 mentioned to Brian that the dust is pretty bad. Brian called for a water truck, arrived at 1305.

1410 Nothing going on at Johnson Field. Adam has been monitoring deposit site, but I told him I can periodically check on it.

1430 all equipment abruptly left and parked. Still working on moving sediment out of DG-W-2. Continue with 1 monitor on Monday.

**Additional Comments**

N/A

**Signature**







Looking\_northwest\_at\_DG-4-WOUS\_deposit.jpg  
-118.17223 34.19338



Looking\_southwest\_at\_DG-4-WOUS\_deposit\_area.jpg  
-118.17217 34.19342



**Looking\_southwest\_at\_DG-4.jpg**  
-118.17466 34.1925



**Looking\_west\_at\_breach\_in\_berm\_northeast\_of\_DG-4.jpg**  
-118.17192 34.19306

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Adam Schroeder**  
**Date of Log: December 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	07:00	46 °F	0-3 MPH	0 %
End of Day	14:25	63 °F	0-3 MPH	40 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

1. Grading, culvert installation, hauling dirt.
2. One excavator, two bulldozers, one skiploader, one water truck, two front loaders, hand tools.
3. Ten personnel (Griffith Company, Joe foreman).

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

RLPA, CORA, CASJ, ACWO, CALT, WCSP, RTHA, SAPH, BLPH, ANHU, NOFL

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0710- monitoring grading and contouring in Johnson field, culvert outlet preparation for placing fabric/sand/rock, hauling excess fill to sediment removal area.

0745- monitored fabric/sand/rock installation at Johnson field culvert outlet.

0905- monitored removal of ramp into Johnson field.

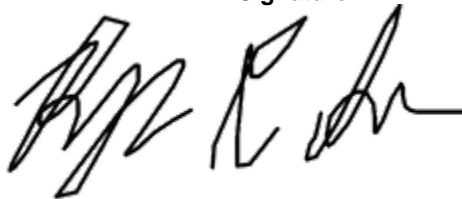
0935- monitored placement of rock at the inlet culvert to Johnson field.

1125- monitored hauling of excess dirt from DG-4 to excavated soil deposit zone.

**Additional Comments**

N/A

Signature







Johnson\_field\_culvert\_outlet\_installation\_during\_facingNW.jpg



Johnson\_field\_ramp\_removal\_during\_facingNW.jpg



Johnson\_field\_grading\_contouring\_during\_facingS.jpg



hauling\_excess\_dirt\_DG-4\_during\_facingS.jpg

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Christine Tischer**  
**Date of Log: December 14, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:50	47 °F	0-3 MPH	70 %
End of Day	15:00	63 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

2 loaders, mini dozer transporting sediment from DG-W-2 to deposit area. 2 man crew with backhoe finishing southernmost section of DG-W-2 outlet

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

RCKI, parrots, coyote, cottontail (s), ACWO, CORA, HOFI, BEWR, CASJ, RTHA, BLPH, TUVU, SAPH

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0650 water truck wetting roads west of basin. Pre-clearance survey of all channels. Pulled 8' of unconnected irrigation hose out of channel and placed in Natures Image restoration area.

0700 Kenny on mini dozer headed to old mining pit. Willows in area seem to be dying back more than just seasonal dormancy. Suspect wood borer combined with drought, not due to project.

0750 backhoe tracked out of south end to grab some rakes. 2 dozers and Kenny continue to transport dirt from old mining pit to deposit area. Loaders are as wide as access road which is slowly getting wider. Put more stakes and flagging to limit spread at passing/turnaround areas.

0900 south crew is done at out of outlet channel.

1020-1045 crew called out to basin for meeting with safety officer.

1135 stockpile removed from mining pit, Kenny grading s-curve. east limits match original location, not mapped actuals. Westernmost avoided tree on south side of curve is askew, (noted upon arrival on Friday 12/11 - wind?). Photo in collector.

1230 wind starting to pick up, blowing dust toward park. Asked guys if water truck was coming. Called in again by loader at 1pm. Dirt from parking lot, and finished channel is blowing toward Oak Grove in addition to work area dust.

1405 water truck returned to wet down work area at end of access road, all dirt is out of channel and Kenny is on to final grade of slopes.

1445 Finished grading. Done for day.

1450 walked to mining pit with Joe. Only minor cleanup tomorrow with skip loader. Should be done for year after that.

**Additional Comments**

N/A

**Signature**







Looking\_south\_at\_DG-W-2\_outlet.jpg  
-118.17466 34.19231



Looking\_southeast\_at\_DG-4 (WOUS)\_and\_acces\_road.jpg  
-118.17368 34.19199



Looking\_west\_at\_grading\_of\_mining\_pit\_s-curve.jpg  
-118.17432 34.19264



Looking\_south\_at\_wetted\_work\_area.jpg  
-118.17459 34.19243

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Lauren Simpson**  
**Date of Log: December 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	06:45	30 °F	0-3 MPH	0 %
End of Day	14:00	64 °F	0-3 MPH	15 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Griffith Company restoration grading of DG-4 (WOUS), Johnson field

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

cora, parrot sp., cedw, calt, coha, rtha, casj, rcki, anhu, saph, nofl, blph, acwo, wcsp

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

**Log Entry**

0645 arrived on site

0700 mini dozer smoothing out channels, large dozer smoothing out reservoir, hand crew doing touch up

0900 monitored small dozer and skip while they tilled soil on mound in Johnson field.

1030 Josh arrived for final walk-through.

1230 final walk through complete, began removing flagging.

1400 completed flagging removal and left site. no bio issues observed

**Additional Comments**

N/A

**Signature**







photo\_1-smoothing channel near Johnson field.jpg  
-118.17076 34.19



photo\_2-ripping soil mound at Johnson field.jpg  
-118.17011 34.19066



photo\_3-touch up work DG-4-WOUS.jpg  
-118.17311 34.19271

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Josh Corona-Bennett**  
**Date of Log: December 15, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	10:15	65 °F	0-3 MPH	5 %
End of Day	12:24	75 °F	0-3 MPH	0 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Monitored final touch up grading at Johnson field. Conducted final walkthrough of Griffith grading areas with Ray Dilbeck, Mary Kinsler, Joe (Griffith Supervisor), and Lauren Simpson.

**Did you observe any special-status species?** ☐ Yes ☒ No

**Were any least Bell's Vireo detected?** ☐ Yes ☒ No

**List of species observed while monitoring:**

CASJ, CORA, BLPH, side-blotched lizard

**Did You Observe any Non-Compliance Issues?** ☐ Yes ☒ No

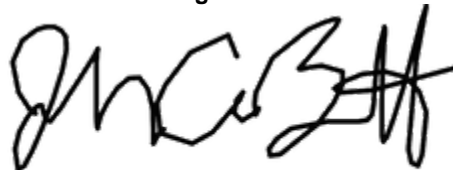
**Log Entry**

1015 - 1215 Monitored final touch up grading in Johnson field. Checked all Griffith grading areas for mitigation zones.

**Additional Comments**

N/A

**Signature**





Phase 1 Mitigation Site As-Built Report

# Phase 1 Mitigation Site As-Built Report

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## Devil's Gate Reservoir Restoration Project

City of Pasadena  
Los Angeles County, California

### **Prepared for:**

Los Angeles County Department of Public Works  
900 South Fremont Avenue  
Alhambra, CA 91803  
Contact: Mr. Mark Gim

### **Prepared by:**

ECORP Consulting, Inc.  
2861 Pullman Street  
Santa Ana, California 92705  
Contact: Ms. Carley Lancaster

**July 2, 2020**



**ECORP Consulting, Inc.**  
ENVIRONMENTAL CONSULTANTS

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- Appendix A – Streambed Alteration Agreement No. 1600-2015-0263-R5
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**LIST OF ACRONYMS AND ABBREVIATIONS**

CDFW	California Department of Fish and Wildlife
HRP	Habitat Restoration Plan
LACPW	Los Angeles County Department of Public Works
LSAA	Lake and Streambed Alteration Agreement
N/A	Not Applicable
PLS	Pure Live Seed
PMA	Permanent Maintenance Area
Project	Devil's Gate Reservoir Restoration Project
RE	Restoration Ecologist

## 1.0 INTRODUCTION

The Los Angeles County Public Works (LACPW) completed Phase 1 of habitat restoration implementation for the Devil's Gate Reservoir Restoration Project (Project) on February 13, 2020. Habitat restoration is being implemented to comply with the compensatory mitigation requirements in Conditions 3.1, 3.2, and 3.5 of the Lake or Streambed Alteration Agreement (LSAA) (Notification No. 1600-2015-0263-R5 dated March 21, 2017) executed between the California Department of Fish and Wildlife (CDFW) and the Los Angeles County Flood Control District (LACFCD). Two amendments to the LSAA were issued by the CDFW in response to modifications to the boundaries of the Project (dated July 17, 2018) and to address the proposed offsite mitigation component (dated July 16, 2018). Implementation of habitat mitigation for Phase 1 was conducted in mitigation areas DG-1, DG-1 WOUS, DG-2A, DG-2B, DG-3A, DG-4, DG-4B, DG-4C, and DG-5. A small portion of Phase 1 mitigation areas DG-1, DG-3A, and DG-4 were included in the temporary impacts around the perimeter of the Project and will be restored following the completion of the side slopes configuration. A small portion of DG-3A is being used for staging construction equipment and will be restored following the completion of the Project. Implementation of habitat mitigation was conducted according to the Final Habitat Restoration Plan (HRP) for the Project (dated November 2018) which addresses the impact areas associated with the Project and the on-site compensatory mitigation areas at the Project site (ECORP 2018). According to the HRP, onsite compensatory mitigation will include the creation, restoration, and enhancement of native habitats with the purpose of providing quality habitat for an abundance of wildlife including the least Bell's vireo (*Vireo bellii pusillus*), which is listed as endangered under the Federal Endangered Species Act (ESA) and the California Endangered Species Act (CESA) (CDFW 2018). Per Condition 4.5 of the LSAA (Appendix A), a Mitigation Site As-Built Report shall be submitted to CDFW within 60 days of completing the initial restoration activities. This *Post-Implementation Mitigation Site As-Built Report* only addresses the Phase 1 restoration areas. Separate as-built reports will be prepared for the subsequent restoration phases for the Project.

The Project, which includes an initial removal of 1.7 million cubic yards (cy) of sediment to establish a Permanent Maintenance Area (PMA), will restore flood capacity and establish a reservoir management system to maintain the flood control capacity of the reservoir. Subsequently, annual maintenance and episodic maintenance will be conducted in the established PMA to remove accumulated sediment and to ensure continued flood control capacity. Removal of sediment will not occur outside of the boundaries of the PMA.

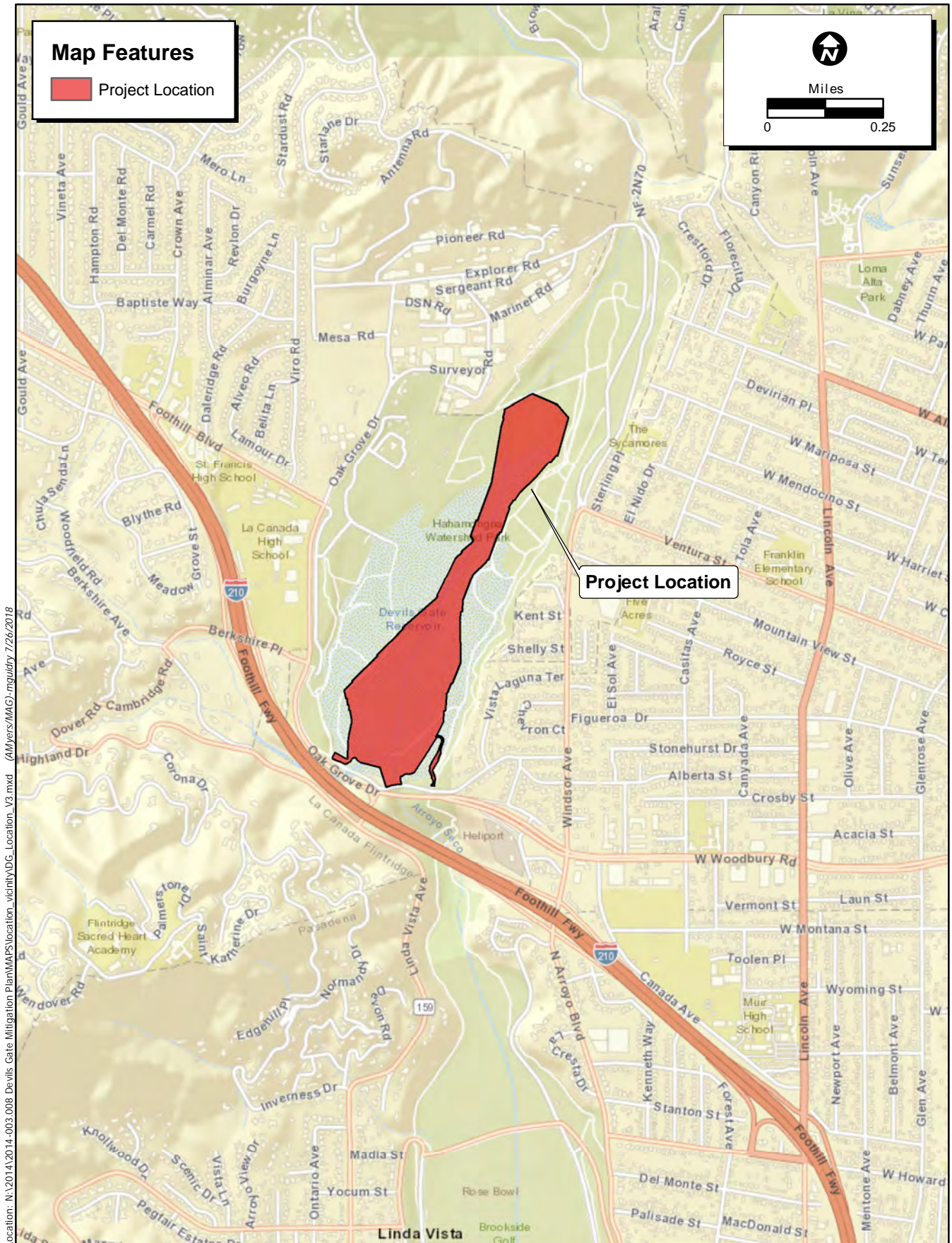
### 1.1 Project Location

The Project is located in the City of Pasadena (City) in Los Angeles County on the Pasadena United States Geological Survey (USGS) California 7.5' topographic quadrangle (Figure 1). More specifically, the Project is located within the upper portion of the Arroyo Seco Watershed within the City's Hahamongna Watershed Park (Figure 2). The Project site is located along an approximately 4,754-foot linear section of the Arroyo Seco drainage and alluvial fan, which is an area subject to change and disturbance due to erosion, runoff, and sediment movement. The elevation of the Project site ranges from approximately 985-feet above mean sea level (msl) behind the dam, to approximately 1,100-feet above msl at the northern end of the project.



**Figure 1. Project Vicinity**





**Figure 2. Project Location**

## 2.0 MITIGATION REQUIREMENTS

The LSAA issued by the CDFW for the Project on March 21, 2017 provided a breakdown of the required onsite and offsite compensatory mitigation for permanent impacts (Condition 3.1) as well as the mitigation required for the temporary impacts of the Project (Condition 3.2). The LSAA amendment issued on July 17, 2018 provided a revision to the Project impacts that were based on a revised Project boundary and also revised Condition 3.1 to reflect modifications to the required onsite mitigation. LACPW is currently in the process of preparing an LSAA amendment application that will account for changes to the permitted Project boundary. The changes are a result of clearing that occurred outside of the permitted project boundary and are in response to a legal settlement that has yet to be finalized. The results of the legal settlement will likely be additional changes to the Project boundary and as a result, changes to the mitigation requirements, which will be addressed in future as-built reports.

The original design of the onsite mitigation for the Project, which is what this as-built report is based upon, included the creation, restoration, and enhancement of 69.94 acres subject to CDFW jurisdiction located outside of the PMA. The 69.94 acres of mitigation is required to compensate for permanent impacts to 41.98 acres of CDFW jurisdiction. The LSAA also requires mitigation for temporary impacts to 16.17 acres by delaying the impacts to these areas until the third year of sediment removal and replanting them within 24 months of the impacts. In addition, the Episodic Maintenance Area, or side slopes of the PMA, which encompasses 7.34 acres according to the original design, will be replanted with native vegetation, including shrub and annual species associated with riparian scrub and alluvial scrub vegetation communities. Allowing the side slopes of the Annual Maintenance Area to support native vegetation will provide additional compensatory mitigation by creating a riparian scrub buffer habitat between the areas that are actively managed in the annual maintenance area and the compensatory mitigation areas. The side slopes may be periodically affected by re-contouring if large sediment deposits bury portions of the side slopes. In this case, the sediment will be removed, and the side slopes will be re-contoured and allowed to naturally revegetate. Onsite compensatory mitigation will include invasive and nonnative weed abatement, planting with native container stock, planting pole cuttings for specific species, seeding with native seed material, and maintaining and monitoring each mitigation area for a period of five years for riparian areas and ten years for upland areas, or until all success criteria have been met.

## 3.0 SUMMARY OF HABITAT RESTORATION IMPLEMENTATION

Habitat restoration implementation was conducted by Nature's Image, with oversight by Carley Lancaster (Restoration Ecologist, ECORP Consulting, Inc. [ECORP]), Josh Corona-Bennett (Senior Restoration Ecologist, ECORP) and Mari Quillman (Biological Resources Program Manager, ECORP). Nature's Image is a subcontractor to ECORP. ECORP is the prime contractor to LACPW. Implementation of habitat restoration for Phase 1 was conducted in mitigation areas DG-1, DG-1 WOUS, DG-2A, DG-2B, DG-3A, DG-4, DG-4B, DG-4C, and DG-5. A total of six vegetation communities were included in the Phase 1 habitat restoration effort including Mulefat Thickets (*Baccharis salicifolia* Shrubland Alliance), Black Willow Thickets (*Salix gooddingii* Woodland Alliance), Coast Live Oak Woodland (*Quercus agrifolia* Woodland Alliance), California Buckwheat Scrub (*Eriogonum fasciculatum* Shrubland Alliance), Scale Broom Scrub

(*Lepidospartum squamatum* Shrubland Alliance), and California Sagebrush – California Buckwheat Scrub (*Artemisia californica*-*Eriogonum fasciculatum* Shrubland Alliance). Habitat restoration implementation commenced on November 19, 2018, and included nonnative and invasive plant removal and follow-up weed abatement efforts. Following the weed abatement efforts, soil ripping was conducted for mitigation area DG-5 to decompact the soil and prepare the area for container plant installation and seed application. Following initial weed abatement efforts and soil ripping, container plant installation and seed application commenced. Implementation for Phase 1 was completed on February 13, 2020. A description of the habitat restoration implementation is provided in the following sections.

### 3.1 Weed Abatement

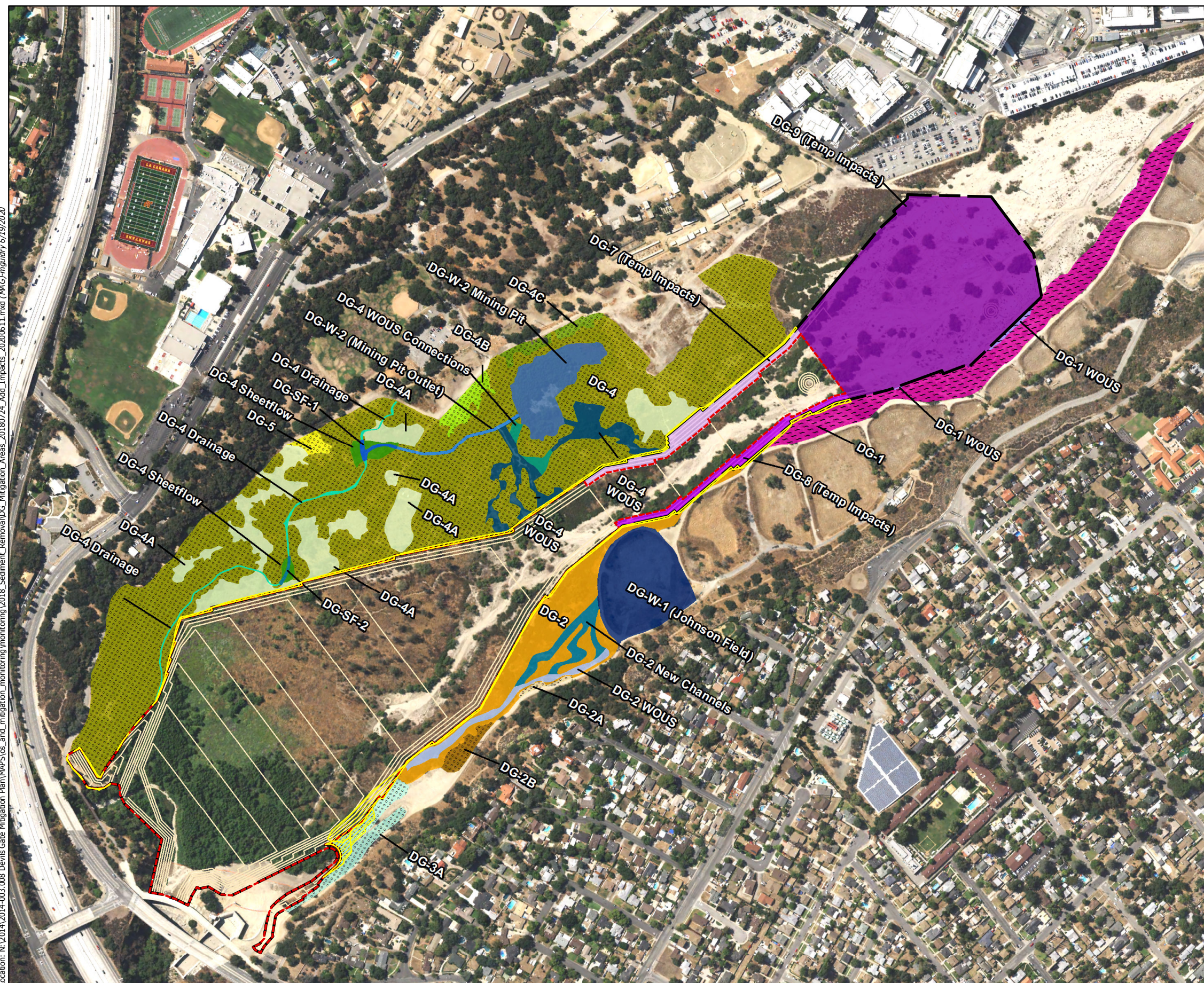
Initial weed abatement activities commenced on November 19, 2018 and were completed on February 20, 2019. Follow-up weed abatement efforts commenced immediately following the completion of the initial weed abatement effort and have been ongoing for the Phase 1 mitigation areas. Pre-planting nonnative and invasive plant removal was conducted using a combination of hand-pulling, weed whips, and hula hoes. During the pre-planting weed removal efforts, all nonnative and invasive plant species that had gone to flower or seed were removed by hand or by using hand tools, placed on tarps, and disposed of in an onsite dumpster. Onsite dumpsters were picked up regularly and the nonnative and invasive plant materials were disposed of at an appropriate facility located outside of the Project site.

Herbicide application was employed for a brief period from February 22, 2019 to March 18, 2019; however, herbicide application was suspended due to public concerns and restrictions put in place by LACPW. The Los Angeles County Board of Supervisors placed a moratorium on use of glyphosate at all County facilities until further notice and the moratorium is currently still in place. During the brief period of herbicide application, only herbicide registered for aquatic use and approved for use in wetland habitat restoration by the regulatory agencies (i.e. Roundup Custom) was used. A blue marking dye was added to allow for the identification of areas sprayed. Species targeted during nonnative and invasive plant removal included wild oat (*Avena fatua*), black mustard (*Brassica nigra*) red brome (*Bromus madritensis ssp. rubens*), poison hemlock (*Conium maculatum*), red-stemmed filaree (*Erodium cicutarium*), foxtail barely (*Hordeum murinum*), perennial pepperweed (*Lepidium latifolium*), and horehound (*Marrubium vulgare*).

### 3.2 Seeding





Upon completion of the initial weed abatement effort, the seeding process, which consisted of broadcast seeding, commenced on April 4, 2019. Seed used for the Project was procured from S&S Seeds Inc. and only seed materials collected within the acceptable geographic regions described in Section 4.9 of the HRP was used. Broadcast seeding was completed using hand-crank spreaders or simply by-hand. Seed was applied evenly throughout each mitigation area and incorporated into the soil to a depth of approximately 0.5 inches using metal hand rakes. To the extent possible, seed was applied during the fall, winter, or other periods when sufficient rainfall was expected to occur. Approximately 713 pounds of seed was applied during Phase 1. Figure 3 shows the Phase 1 mitigation areas where seeding occurred. Table 1 provides a summary of the species and amounts of seed applied during Phase 1.





**Figure 3**  
**Devil's Gate Mitigation Areas**

























## Map Features

-  Initial Sediment Removal Footprint <sup>1</sup>  
 Permanent Maintenance Footprint <sup>1</sup>  
 Temporary Impact Area  
 Sediment Removal Excavation Contours <sup>1</sup>

### Phase 1 Planting Areas

- Seeding and Container Plants  
Seeding Only

### Mitigation Areas

- |   |                   |   |                            |
|---|-------------------|---|----------------------------|
|  | DG-1              |  | DG-4A                      |
|  | DG-1 WOUS         |  | DG-4B                      |
|  | DG-2              |  | DG-4C                      |
|  | DG-2 New Channels |  | DG-5                       |
|  | DG-2 WOUS         |  | DG-7 (Temp Impacts)        |
|  | DG-2A             |  | DG-8 (Temp Impacts)        |
|  | DG-2B             |  | DG-9 (Temp Impacts)        |
|  | DG-3A             |  | DG-SF-1                    |
|  | DG-4              |  | DG-SF-2                    |
|  | DG-4 Drainage     |  | DG-W-1 (Johnson Field)     |
|  | DG-4 Sheetflow    |  | DG-W-2 (Mining Pit)        |
|  | DG-4 WOUS         |  | DG-W-2 (Mining Pit Outlet) |

*Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community*

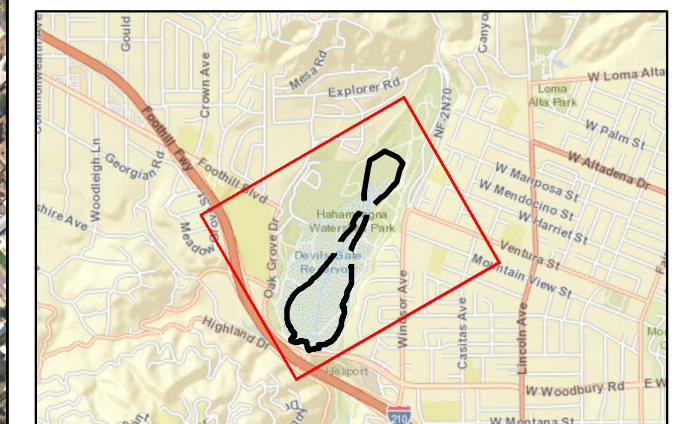




Table 1. Summary of Seeding					
Scientific Name	Common Name	PLS Lbs./Acre per HRP <sup>1</sup>	PLS Lbs./Acre Applied	Percent Purity	Percent Germination
Mulefat Thickets Seed Mix					
<i>Ambrosia psilostachya</i>	western ragweed	4	4	5	39
<i>Artemisia douglasiana</i>	mugwort	4	4	92	74
<i>Elymus triticoides</i>	beardless wild rye	4	4	95	67
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle	4	4	53	71
<i>Achillea millefolium</i>	yarrow	1	1	99	90
<i>Artemisia dracunculus</i>	tarragon	1	1	7	62
<i>Bromus carinatus</i>	California brome	1	1	98	94
<i>Calystegia macrostegia</i> ssp. <i>intermedia</i>	south coast morning glory	0.5	0.5	99	91
<i>Cirsium occidentale</i>	western thistle	1	1	No Test	No Test
<i>Elymus condensatus</i>	giant wild rye	1	1	93	90
<i>Epilobium canum</i>	California fuchsia	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Eriodictyon parryi</i>	poodle-dog bush	0.5	0.5	48	10
<i>Eschscholzia californica</i>	California poppy	0.5	0.5	99	96
<i>Galium aparine</i>	Cleavers	0.5	0.5	98	28
<i>Gutierrezia californica</i> <sup>4</sup>	matchweed	0.5	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Lupinus bicolor</i>	bicolored lupine	0.5	0.5	99	94
<i>Lupinus truncata</i>	blunt-leaved lupine	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Monardella breweri</i> ssp. <i>lanceolata</i>	mustang mint	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Phacelia cicutaria</i>	caterpillar phacelia	0.5	0.5	99	51
<i>Phacelia distans</i>	common phacelia	0.5	0.5	99	78
<i>Phacelia minor</i>	wild Canterbury bells	0.5	0.5	99	53
<i>Phacelia parryi</i>	Parry's phacelia	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Marah macrocarpa</i>	chilicothe	0.5	0.5	99	81
<i>Pseudognaphalium californicum</i> <sup>4</sup>	California everlasting	0.5	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Rumex hymenosepalus</i>	wild rhubarb	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Vitis girdiana</i>	Southern wild grape	1	Not Available <sup>2</sup>	N/A	N/A
Primary Seed Mix Total		30.0	25.5		

Table 1. Summary of Seeding					
Scientific Name	Common Name	PLS Lbs./Acre per HRP <sup>1</sup>	PLS Lbs./Acre Applied	Percent Purity	Percent Germination
Black Willow Thickets Seed Mix					
<i>Anemopsis californica</i>	yerba mansa	3	Not Available <sup>2</sup>	N/A	N/A
<i>Artemisia douglasiana</i>	mugwort	5	Not Available <sup>2</sup>	N/A	N/A
<i>Cyperus eragrostis</i>	tall flatsedge	3	3	83	60
<i>Elymus triticoides</i>	beardless wild rye	2	2	95	67
<i>Urtica dioica</i> ssp. <i>holosericea</i>	hoary nettle	3	3	53	71
<i>Achillea millefolium</i>	yarrow	1	1	99	90
<i>Artemisia dracunculus</i>	tarragon	1	1	7	62
<i>Bromus carinatus</i>	California brome	1	1	98	94
<i>Calystegia macrostegia</i> ssp. <i>intermedia</i>	south coast morning glory	0.5	0.5	99	91
<i>Cirsium occidentale</i>	western thistle	1	1	No Test	No Test
<i>Elymus condensatus</i>	giant wild rye	1	1	93	90
<i>Epilobium canum</i>	California fuchsia	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Eriodictyon parryi</i>	poodle-dog bush	0.5	0.5	48	10
<i>Eschscholzia californica</i>	California poppy	0.5	0.5	99	96
<i>Galium aparine</i>	Cleavers	0.5	0.5	98	28
<i>Gutierrezia californica</i>	matchweed	0.5	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Lupinus bicolor</i>	bicolored lupine	0.5	1.0	99	94
<i>Lupinus truncata</i>	blunt-leaved lupine	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Monardella breweri</i> ssp. <i>lanceolata</i>	mustang mint	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Phacelia cicutaria</i>	caterpillar phacelia	0.5	0.5	99	51
<i>Phacelia distans</i>	common phacelia	0.5	0.5	99	78
<i>Phacelia minor</i>	wild Canterbury bells	0.5	0.5	99	53
<i>Phacelia parryi</i>	Parry's phacelia	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Marah macrocarpa</i>	chilicothe	0.5	0.5	99	81
<i>Pseudognaphalium californicum</i>	California everlasting	0.5	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Rumex hymenosepalus</i>	wild rhubarb	0.5	Not Available <sup>2</sup>	N/A	N/A
<i>Vitis girdiana</i>	Southern wild grape	1	Not Available <sup>2</sup>	N/A	N/A
Black Willow Thickets Seed Mix Total		30.0	18.0		



Table 1. Summary of Seeding					
Scientific Name	Common Name	PLS Lbs./Acre per HRP <sup>1</sup>	PLS Lbs./Acre Applied	Percent Purity	Percent Germination
<b>California Buckwheat Scrub/Scale Broom Scrub Seed Mix</b>					
<i>Acmispon glaber</i>	deerweed	2	Not Available <sup>2</sup>	N/A	N/A
<i>Artemisia californica</i>	California sagebrush	3	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Eriogonum gracile</i>	slender buckwheat	3	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Gutierrezia microcephala</i>	threadleaf snakeweed	2	Not Available <sup>2</sup>	N/A	N/A
<i>Leymus condensatus</i>	giant wildrye	5	5	93	90
<i>Lupinus bicolor</i>	miniature lupine	4	4	99	94
<i>Nassella lepida</i>	foothill needlegrass	3	3	97	77
<i>Eriodictyon trichocalyx</i>	hairy yerba santa	2	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Eriogonum fasciculatum</i>	California buckwheat	4	4	72	6
<i>Lepidospartum squamatum</i>	scale broom	2	2	18	65
<b>California Buckwheat Scrub/Scale Broom Scrub Seed Mix Total</b>		<b>30.0</b>	<b>18.0</b>		
<b>Scale Broom Scrub/Mulefat Thickets Seed Mix</b>					
<i>Acmispon glaber</i>	deerweed	2	Not Available <sup>2</sup>	N/A	N/A
<i>Artemisia californica</i>	California sagebrush	2	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Baccharis salicifolia</i>	mulefat	2	Not Available <sup>2</sup>	N/A	N/A
<i>Croton californicus</i>	California croton	2	Not Available <sup>2</sup>	N/A	N/A
<i>Eriodictyon trichocalyx</i>	hairy yerba santa	2	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Eriogonum fasciculatum</i>	California buckwheat	4	4	72	6
<i>Eriogonum gracile</i>	slender buckwheat	5	Source not Acceptible <sup>3</sup>	N/A	N/A
<i>Gutierrezia microcephala</i>	threadleaf snakeweed	3	Not Available <sup>2</sup>	N/A	N/A
<i>Lepidospartum squamatum</i>	scale broom	3	3	18	65
<i>Senecio flaccidus</i>	threadleaf ragwort	2	Not Available <sup>2</sup>	N/A	N/A
<i>Salvia mellifera</i>	black sage	3	Not Available <sup>2</sup>	N/A	N/A
<b>Scale Broom Scrub/Mulefat Thickets Seed Mix Total</b>		<b>31.0</b>	<b>7.0</b>		

Table 1. Summary of Seeding					
Scientific Name	Common Name	PLS Lbs./Acre per HRP <sup>1</sup>	PLS Lbs./Acre Applied	Percent Purity	Percent Germination
<b>California Sagebrush-California Buckwheat Scrub Seed Mix</b>					
<i>Acmispon glaber</i>	deerweed	8	8	98	67
<i>Artemisia californica</i>	California sagebrush	3	Source not Acceptable <sup>3</sup>	N/A	N/A
<i>Eriogonum gracile</i>	slender buckwheat	5	Source not Acceptable <sup>3</sup>	N/A	N/A
<i>Gutierrezia microcephala</i>	threadleaf snakeweed	2	Not Available <sup>2</sup>	N/A	N/A
<i>Leymus condensatus</i>	giant wildrye	6	6	93	90
<i>Lupinus bicolor</i>	miniature lupine	4	4	99	94
<i>Nassella lepida</i>	foothill needlegrass	3	3	97	77
<b>California Sagebrush-California Buckwheat Seed Mix Total</b>		<b>31.0</b>	<b>21.0</b>		

<sup>1</sup>HRP – Habitat Restoration Plan<sup>2</sup>Not Available – Was not available for purchase from seed vendor.<sup>3</sup>Source not Acceptable – The collection location for specified seed was not ecologically appropriate for use.<sup>4</sup>Approximately .25 lbs of seed sourced from San Diego County applied to mitigation area DG-3A

PLS – Pure Live Seed

Lbs. – Pounds

N/A – Not Applicable

### 3.3 Container Plant Installation

The container plant installation process commenced on August 8, 2019 after completion of the initial weed abatement effort. Container plants used for the Project were procured from Tree of Life Nursery and Rancho Santa Ana Botanic Garden and only container plants grown from seed collected within the acceptable geographic regions described in Section 4.9 of the HRP were used. Prior to installation, all plant material was inspected by the Restoration Ecologist (RE) to ensure that container stock was healthy and did not show signs of having pests or disease. Container stock determined to be in poor condition was rejected by the RE.

Container plant installation followed the methods described in Section 4.11 of the HRP. Container plants were planted using standard horticultural practices. Planting holes for all container plants, except oak trees, were dug to a width twice the size of the root ball and to a depth slightly deeper than the depth of root ball so that the root crown was one inch below grade following installation. Oak trees were planted in a manner that the root crown was 0.5 to one inch above grade following installation (after soil settled following watering). Prior to installation, all plants were thoroughly watered in their containers and the soil in each of the planting holes was wetted with a minimum of one gallon of water. Planting holes were backfilled with native soil and irrigation basins were formed around the base of each planting. Basins were constructed to be a minimum of two feet wide and with a ridge no less than four inches. Rocks greater than two inches in diameter were removed to the extent possible from the backfill soil. Fertilizer was not added to backfill. Soil was tamped-in by hand to collapse air pockets in the backfill. All container plants

were irrigated with a minimum of one gallon of water immediately following installation and basin creation. Container plants were planted in ecologically appropriate locations throughout the site and as directed by the RE. Table 2 provides a summary of the species and numbers of container plants installed during Phase 1.

In addition to container plants being installed in the Phase 1 areas, willow and mulefat stakes were also collected and installed in DG-3A and DG-4. Willow and mulefat stakes were collected from suitable donor sites in the Arroyo Seco north of the Project site. Additional willow and mulefat stakes were collected from the mitigation areas where existing vegetation was dense enough to withstand stake collection. Willow and mulefat stake collection followed the methods described in Section 4.10 of the HRP. To ensure establishment success, cuttings were harvested from live, dormant plants (i.e., willows) in late fall and early winter before the buds started to break. Willow and mulefat stakes were approximately three to four feet long and from one to two-inch diameter at their base. A diagonal cut was made at the base of each stake and the top was cut horizontally to differentiate the rooting end from the above ground end to aid in installation. Lateral branches were also removed during harvesting. The willow stakes were stored (no longer than two weeks) in buckets filled with water and in a cool shaded location until they were ready for planting. Immediately prior to installation, the stakes were dipped in a rooting hormone and then installed in pre-watered holes approximately two feet deep or with more than half of the cutting underground. The holes were backfilled and the soil around the stake tamped-in to ensure good soil to stem contact and no air pockets. The willow stakes were watered immediately following installation. All cuttings were provided with an emitter from the irrigation system. Table 2 provides a summary of the species and numbers of stakes installed during Phase 1.

In addition to the container plant and the stake installation for Phase 1, a total of 300 coast live oak (*Quercus agrifolia*) acorns were installed by ECORP in mitigation areas DG-2A and DG-3A. The coast live oak acorns were procured from Psomas and were collected within the Lower Arroyo Seco (between SR-134 and South Pasadena border) and public rights-of-way (i.e., streets/gutters) in the cities of Arcadia, Monrovia, Pasadena, and Sierra Madre. Acorns were planted approximately 2-inches below the surface of the soil and a small basin was formed around each planted acorn. Acorns were installed in November of 2018 when sufficient rainfall was expected to occur. Acorns were not provided with an emitter from the irrigation system. Table 2 provides a summary of the number of acorns installed during Phase 1.



Table 2. Summary of Container Planting

Scientific Name	Common Name	DG-									TOTAL
		2A	2B	3A (Oak Woodland)	3A (Mulefat Thickets)	4 (CSS <sup>1</sup> )	4 (Riparian <sup>2</sup> )	4B	4C	5	
<i>Acmispon glaber</i>	Deerweed					102					102
<i>Artemisia californica</i>	California Sagebrush	10	38			306					354
<i>Artemisia douglasiana</i>	Mugwort				33		617	54	45	26	775
<i>Baccharis pilularis</i>	Coyote brush	10	38		33		504	54	45	26	710
<i>Baccharis salicifolia</i>	mulefat	25	95				1113	135	114	64	1546
<i>Baccharis salicifolia</i>	mulefat (cuttings)				84		916				1000
<i>Encelia californica</i>	California brittlebush					102					102
<i>Eriogonum fasciculatum</i>	California buckwheat					306					306
<i>Isocoma menziesii</i>	Menzies goldenbush					41					41
<i>Juncus rugulosus</i>	Wrinkled rush						200				200
<i>Juncus textilis</i>	Basket rush						100				100
<i>Malosma laurina</i>	Laurel sumac					61					61
<i>Melica imperfecta</i>	California melic			20							20
<i>Opuntia littoralis</i>	Coastal prickly pear					41					41
<i>Populus fremontii</i>	Fremont's cottonwood	10	38		33		479	54	45	27	686
<i>Quercus agrifolia</i>	Coast live oak			174							174
<i>Quercus agrifolia</i>	Coast live oak (acorns)	25		275							300
<i>Ribes californicum</i>	California gooseberry			50							50
<i>Rosa californica</i>	California rose	10	38	44	33		725	54	45	26	975
<i>Rubus ursinus</i>	California blackberry	10	38		33		619	54	45	26	825
<i>Salix gooddingii</i>	Black willow	20	76				876	108	90	52	1222
<i>Salix gooddingii</i>	Black willow (cuttings)				67		933				1000
<i>Salix laevigata</i>	Red willow	10	38		33		439	54	45	26	645
<i>Salix lasiolepis</i>	Arroyo willow	10	38				438	54	45	26	611
<i>Salix lasiolepis</i>	Arroyo willow (cuttings)				33		967				1000
<i>Salvia mellifera</i>	Black sage					102					102
<i>Sambucus nigra ssp. caerulea</i>	Black elderberry	5	19		17		594	27	23	13	698
Total		145	456	563	399	1061	9520	648	542	312	13646

<sup>1</sup>CSS = *Artemisia californica*-*Eriogonum fasciculatum* Shrubland Alliance<sup>2</sup>Riparian = *Baccharis salicifolia* Shrubland Alliance and *Salix gooddingii* Woodland Alliance

### 3.4 Photo Documentation

Digital photographs were taken during key steps of the implementation process. Relevant photos are provided as Appendix B.

### 4.0 COMPLIANCE WITH HABITAT RESTORATION PLAN

During the implementation process, few deviations from the HRP were required. Minor deviations, including species additions to the planting palette and seeding outside of the fall and winter seasons, did occur during the implementation process. All additions to the planting palette were approved by CDFW prior to being used for the restoration effort and seeding outside of the fall and winter months only occurred when sufficient rainfall was forecasted. In addition, a small amount of seed from two species sourced from San Diego County, California everlasting (*Pseudognaphalium californicum*) and matchweed (*Gutierrezia californica*), was applied in DG-3A. The onsite RE recognized those two species as being sourced outside of the allowable geographic range noted in the HRP and immediately suspended the seeding activities until the seed mix was revised. Certain species were not available at the time the seed order was placed, or the collection source was unacceptable; however, the HRP discusses the fact that not all of the species may be available at the time of implementation. Table 3 provides a summary of the Phase 1 mitigation areas, associated acreages, and associated vegetation communities.

Table 3. Summary of Phase 1 Mitigation Areas				
Restoration Area	Area Restored During Phase 1 (Acres)	Temporary Impacts Around Perimeter (Acres) <sup>1</sup>	Total Acres	Vegetation Communities
DG-1 (seeding only)	4.48	0.27	4.75	<i>Eriogonum fasciculatum</i> Shrubland Alliance / <i>Lepidospartum squamatum</i> Shrubland Alliance
DG-1 WOUS (seeding only)	0.11	0.00	0.11	<i>Lepidospartum squamatum</i> Shrubland Alliance / <i>Baccharis salicifolia</i> Shrubland Alliance
DG-2A	0.10	0.00	0.10	<i>Baccharis salicifolia</i> Shrubland Alliance
DG-2B	0.38	0.00	0.38	<i>Baccharis salicifolia</i> Shrubland Alliance
DG-3A	0.92	0.23 <sup>2</sup>	1.15	<i>Quercus agrifolia</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance
DG-4	26.64	0.37	27.01	<i>Salix gooddingii</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance <i>Artemisia californica</i> - <i>Eriogonum fasciculatum</i> Shrubland Alliance
DG-4B	0.54	0.00	0.54	<i>Baccharis salicifolia</i> Shrubland Alliance
DG-4C	0.45	0.00	0.45	<i>Salix gooddingii</i> Woodland Alliance <i>Baccharis salicifolia</i> Shrubland Alliance
DG-5	0.26	0.00	0.26	<i>Salix gooddingii</i> Woodland Alliance
Total Acres			34.75	

<sup>1</sup> These areas will be restored following the completion of the side slopes configuration

<sup>2</sup> This includes 0.03 acres of temporary impact areas around the perimeter and 0.20 acres of staging areas that will be restored following Project completion.

## 5.0 IMPLEMENTATION ACCEPTANCE

The Phase 1 mitigation sites will be maintained and monitored for a period of five years for the riparian areas and 10 years for the upland areas, or until the performance standards outlined in the HRP are achieved and CDFW determines the site is successful. Habitat restoration implementation for Phase 1 of the Project was completed on February 13, 2020; therefore, the five-year maintenance and monitoring period for Phase 1 commenced on February 13, 2020 and the assumed end dates will be February 13, 2025 for the riparian areas and February 13, 2030 for the upland areas. Per the HRP, a total of 34.64 acres of onsite mitigation has been installed and will be monitored until the areas meet the performance standards to achieve the mitigation requirement for the Phase 1 restoration areas.

The temporary impact areas around the perimeter of the Project site, associated with mitigation sites DG-1, DG-3A, and DG-4, will be restored following the completion of the side slopes configuration. The portion of DG-3A currently being used for staging construction equipment will be restored following Project completion. The remaining mitigation areas for the Project will be restored during Phases 2 and 3 of restoration implementation. These include mitigation areas that require earthwork and grading prior to planting and seeding (i.e., DG-W-1 and DG-W-2) and mitigation areas that require the implementation of a grow and kill program (i.e., DG-4A) as outlined in Section 4.4.1 of the HRP.



## 6.0 REFERENCES

- CDFW. 2018. Amendment of Lake or Streambed Alteration Agreement for the Devil's Gate Sediment Removal and Management Project (Notification No. 1600-2015-0263-R5). Permittee: Los Angeles County Department of Public Works. July 17, 2018.
- \_\_\_\_\_. 2017. Lake or Streambed Alteration Agreement for the Devil's Gate Sediment Removal and Management Project (Notification No. 1600-2015-0263-R5). Permittee: Los Angeles County Department of Public Works. March 21, 2017.
- ECORP Consulting, Inc. 2018. *Devil's Gate Sediment Removal and Management Project Final Habitat Restoration Plan*.

## **LIST OF APPENDICES**

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Appendix A – Streambed Alteration Agreement No. 1600-2015-0263-R5

Appendix B – Photo Documentation

Streambed Alteration Agreement No. 1600-2015-0263-R5





MARK PESTRELLA, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

900 SOUTH FREMONT AVENUE  
ALHAMBRA, CALIFORNIA 91803-1331  
Telephone: (626) 458-5100  
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1460  
ALHAMBRA, CALIFORNIA 91802-1460

July 17, 2018

IN REPLY PLEASE  
REFER TO FILE: **SWE-5**

Mr. Ed Pert, Regional Manager  
Streambed Alteration Program  
California Department of Fish and Wildlife, Region 5  
4665 Lampson Avenue, Suite C  
Los Alamitos, CA 90720

Attention Ms. Erinn Wilson

Dear Mr. Pert:

**DEVIL'S GATE RESERVOIR SEDIMENT REMOVAL AND MANAGEMENT PROJECT  
AMENDMENT OF STREAMBED ALTERATION AGREEMENT  
NOTIFICATION NO. 1600-2015-0263-R5**

Enclosed are two original signed copies of the Amendment of Lake or Streambed Alteration Agreement. We appreciate your collaboration on this important project and look forward to continued work with you.

If you have any questions, please contact Mr. George De La O at (626) 458-7155 or [gdelao@dpw.lacounty.gov](mailto:gdelao@dpw.lacounty.gov).

Very truly yours,

MARK PESTRELLA  
Director of Public Works

CHRISTOPHER STONE  
Assistant Deputy Director  
Stormwater Engineering Division

VM:vt

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Enc.



State of California – Natural Resources Agency  
DEPARTMENT OF FISH AND WILDLIFE  
South Coast Region  
3883 Ruffin Road  
San Diego, CA 92123  
(858) 636-3160  
[www.wildlife.ca.gov](http://www.wildlife.ca.gov)

**EDMUND G. BROWN, Jr., Governor**  
**CHARLTON H. BONHAM, Director**



July 17, 2018

Christopher Stone  
Los Angeles County Flood Control District  
900 S. Fremont Ave.  
Alhambra, CA 91803  
[CSTONE@dpw.lacounty.gov](mailto:CSTONE@dpw.lacounty.gov)

Dear Mr. Stone:

**Amendment of Lake or Streambed Alteration, Notification No. 1600-2015-0263-R5,  
Devil's Gate Dam Sediment Removal and Management Project**

On March 21, 2017 the California Department of Fish and Wildlife (CDFW) executed the Final Streambed Alteration Agreement 1600-2015-0263-R5 (Agreement) for the Devil's Gate Sediment Removal and Management Project (Project). On May 17, 2017 a Peremptory Writ of Mandate was issued by the California Superior Court (Los Angeles County) regarding the environmental impact report relied upon by the Los Angeles County Flood Control District (Lead Agency) under California Environmental Quality Act (CEQA, SCH 2011091084) and a Recirculated Final Environmental Impact Report (RFEIR) was required by the court. CDFW, as a CEQA responsible agency, relied on the Lead Agency's environmental impact report to issue the Agreement. The Recirculated portions of the RFEIR was circulated for public and agency review and comment from July 24, 2017 to September 18, 2017 and recertified by Lead Agency on November 7, 2017. The CDFW received notice on December 6, 2017 of the Order Discharging Peremptory Writ of Mandate (Discharged Writ) for the matters before the Los Angeles County Superior Court related to the RFEIR.

The Discharged Writ was issued because the Court found that the RFEIR disclosure, analysis, and revision of mitigation measures complied with the Peremptory Writ of Mandate that the Final EIR for the Project, for Alternative 3, Configuration D (Approved Project), and for Alternative 5 (Haul Route Alternative) related to: 1) the 1:1 mitigation ratios in Mitigation Measures BIO-6, -7, and -8; 2) the imposition of Mitigation Measures BIO-1 through 8 on the proposed Devil's Gate Water Conservation Project, should such a project go forward, to reduce potential cumulative impacts for this Project; and 3) the requirement, in Mitigation Measure AQ-1, that sediment removal dump trucks meet Environmental Protection Agency's emission standards for Model Year 2010 or later.

The CDFW under its sole discretion has decided to amend the Agreement (see page 39 "Amendment") to reflect changes to the environmental impact report that appear in the RFEIR. CDFW hereby amends the Agreement with addition and revision of the

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following conditions (insertions in **bold underline**, deletions in ~~red-strikeout~~ type face). All other conditions in the Agreement remain in effect unless otherwise noted herein

**Page 3 of 49**

**Initial Sediment Removal Area.** The ~~68.63~~ **65.56** acre area where the initial excavation of sediment and debris will occur.

**Permanent Maintenance Area.** The ~~51.78~~ **49.39** acre area to be maintained for flood capacity. This includes the Routine Annual Maintenance Area and the Episodic Maintenance Area.

**Routine Annual Maintenance Area.** The ~~40.80~~ **42.05** acre area where annual maintenance of the facility will occur (see Exhibit B).

**Episodic Maintenance Area.** The ~~10.98~~ **7.34** acre area side slope proposed at 3:1 (V:H) grade (see Exhibit B). where occasional maintenance will occur. This area is within the Permanent Maintenance Area, abuts Routine Annual Maintenance Area and forms transitional habitat with Habitat Restoration Area.

**Habitat Restoration Area.** The 77.01 acre area in the reservoir subject to minor land alteration, vegetation management, and planting of native plants. This area is outside the Permanent Maintenance Area (See Exhibit E).

**Sediment Removal Program**

This phase of project is limited to the restoration of a public facility, through excavation within the ~~68.63~~ **65.56**-acre Initial Sediment Removal Area (see Exhibit B, Work Plan Map) and transition to long term Permanent Maintenance Area, composed of a total of ~~51.78~~ **49.39** acres that consists of ~~40.8~~ **42.05** acres for Routine Annual Maintenance, and ~~10.98~~ **7.34** acres for Episodic Maintenance Areas for the term of this Agreement. Sediment removal will not involve expansion of use beyond that of the designed facility. The proposed initial excavation is to mechanically remove ~~2.41~~ **7** Million Cubic Yards (MCY) of post-fire debris from the Initial Sediment Removal Area within Devil's Gate Reservoir. The location of the Initial Sediment Removal Area was selected to maximize the efficient removal of post-fire debris while at the same time, avoid and minimize sensitive habitats and sensitive species impacts. Sediment levels behind Devil's Gate Dam will be brought down to 986 feet above mean sea level (msl) to eliminate the threat to the dam outlet works and comply with standards as set by the State Water Resources Division of Safety of Dams (DSOD). The Initial Sediment Removal Area will then slope upwards to ~~995~~ **1,000** feet above msl where the basin will constrict and increase in elevation to 1,040 feet above msl, and widen again to meet final elevation of 1,060 feet above msl approximately ~~4,700~~ **4,788** linear feet upstream from the dam. Devil's Gate Reservoir is routinely drained after every storm; therefore, it will not be



necessary to drain the facility for non-routine activities.

**Page 4 of 49, 4<sup>th</sup> paragraph**

The ~~2-4~~ 1.7 MCY of sediment and debris in the ~~68-63~~ 65.56-acres Initial Sediment Removal Area includes established native and non-native vegetation that will be removed. Vegetation and organic debris will be separated from the sediment and hauled to Scholl Canyon Landfill in the City of Glendale. Project Start is estimated to take place in the Fall of ~~2017~~ 2018. In subsequent years of sediment removal, vegetation and organic debris will be hauled to Scholl Canyon Landfill.

**Page 4 of 49, 6<sup>th</sup> paragraph**

**Permanent Maintenance Program**

Once excavation is complete for this project, annual maintenance of the facility will occur within the ~~40-80~~ 42.05 acre Routine Annual Maintenance Area (see Exhibit B). Vegetation management and sediment removal within the ~~40-80~~ 42.05 acre Routine Annual Maintenance Area will occur for the life of this Agreement. Excavation over the lifetime of the project within the ~~40-80~~ 42.05 acre Routine Annual Maintenance Area will be hauled to disposal sites previously authorized by Permittee (see Figures 2.5-2,-3-4 from Final Environmental Impact Report). Trucks hauling sediment will access the reservoir from an existing maintenance road east of Devil's Gate Dam and exit via a proposed upgraded access road on the western edge of Devil's Gate Dam that will exit on to Oak Grove Drive (see Exhibit A). Vegetation within the Routine Annual Maintenance Area will be mowed or grubbed annually over a 2 to 12 week period in late summer or early fall.

**Page 5 of 49, 2<sup>nd</sup> paragraph**

Episodic Maintenance within the ~~10-98~~ 7.34 acre (horizontal projection) Episodic Maintenance Area will initially include planting with appropriate native plants and thereafter annual undesirable plant control (using herbicides, hand tools, and mechanically operated hand tools (i.e., chainsaws and motor powered winches). In the event of a large debris flow or hyper concentrated flood<sup>3</sup> Episodic Maintenance would involve the need for sediment excavation/trucking off site. The types of equipment involved in excavation may include those similar to the initial sediment removal phase including, but not limited to, front loaders with four-yard buckets, bulldozers, excavator, grader, water truck, and tender trucks. Vehicles expected to be used for sediment

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<sup>3</sup> **Debris flow:** A mix of water and debris, which may include particles ranging in size from clay to boulders and may contain woody debris and other materials, that flows down a stream channel or steep slope, sometimes at great velocity, and contains more than 60 percent debris (less than 40 percent water) by volume. **Hyper-concentrated flood:** A moving mixture of sediment and water containing between 20 and 60 percent sediment by volume.

hauling include double dump trucks with an 18 cubic yard (CY) capacity or equivalent.

**Page 5 of 49, 3<sup>rd</sup> paragraph**

After Episodic Maintenance the side slopes would be returned to the proposed 3:1 (V:H) grade, and the ~~10-98~~ **7 34** acre area will be subject to the continuing annual undesirable plant control. Because this area is restricted from a general right of public access, and will be subject to undesirable plant control, it is anticipated to be revegetated naturally after periodic large debris flow or hyper concentrated floods.

**Page 6 of 49, 6<sup>th</sup> paragraph**

**Native Plants:** Nevin's barberry (*Berberis nevinii*), Plummer's mariposa lily (*Calochortus plummerae*), Greata's aster (*Symphyotrichum gretae*), Parry's spineflower (*Chorizanthe parryi* var. *parryi*), slenderhorned spineflower (*Dodecahema leptoceras*), mesa horkelia (*Horkelia cuneata* ssp. *puberula*), white rabbit-tobacco (*Pseudognaphalium leucocephalum*), Parish's gooseberry (*Ribes divaricatum* var. *parishii*), black willow thickets, mulefat thickets, riparian herbaceous, coast live oak woodland, scale broom scrub, and all other aquatic and wildlife resources in the area, including the riparian vegetation which provides habitat for such species in the area. These resources are further detailed and more particularly described in the document(s): "Devil's Gate Reservoir Sediment Removal and Management Project Final Environmental Impact Report " dated October 2014, prepared for Los Angeles County of Department of Public Works by Chambers Group; **Biological Technical Report (November 2010), Final Sediment Transport Capacity Analysis (January 2013), and the Noise and Traffic Reports (September & October 2013, respectively), Recirculated EIR for the Project and response to comments (July and October 2017, respectively), Revised Board Motion (November 7, 2017), Notice of Determination for Recirculated Final Environmental Impact Report, Order Discharging Peremptory Writ of Mandate (December 5, 2017),** " Lake and Streambed Alteration Notification Package - Devil's Gate Dam and Reservoir Sediment Removal Project" dated December 11, 2015, prepared for CDFW by Permittee complete with all attachments and exhibits, Revised vegetation mapping and impact analysis for Devil's Gate Dam and Sediment Removal Project dated May 19, 2016 by ECORP Consulting, Inc., revised assessment of temporary impact areas and incorporation of Episodic Maintenance area dated May 5, 2016.

**Page 7 of 49, 1<sup>st</sup> paragraph**

**Project Impacts**

The adverse effects the project could have on the fish or wildlife resources identified above include a total of ~~68-63~~ **65.56** acres subject to Department jurisdiction to implement the Initial Sediment Removal After Initial Sediment Removal ~~51-78~~ **49.39** acres will be maintained for flood capacity through Routine Annual Maintenance and Episodic Maintenance (see above). Additionally, in order to implement compensatory

mitigation for the project, 77.01 acres subject to the Department's jurisdiction outside the Permanent Maintenance Area, will be subject to minor surface alteration of the land, vegetation management, and application of herbicides. The following impacts would occur to vegetation communities within the ~~68.63~~ **65.56** acres necessary for Initial Sediment Removal.

**Page 7 of 49, 2<sup>nd</sup> paragraph**

**Total Permanent Project Impacts**

Permanent impacts to ~~40.80~~ **42.05** acres of vegetation communities and land cover classifications from initial sediment removal include the removal of ~~16.27~~ **15.64** acres of *Salix gooddingii* Alliance (black willow thickets), ~~1.82~~ **1.97** acres *Lepidospartum squamatum* Alliance (Scalebroom scrub), ~~8.03~~ **7.1** acres *Baccharis salicifolia* shrubland Alliance (mulefat thickets), ~~9.88~~ **10.24** acre *Lepidium latifolium*-*Conium maculatum* herbaceous semi-natural stand, ~~2.45~~ **2.61** acre *Conium maculatum* herbaceous semi-natural stand, ~~2.33~~ **1.80** acres non-native or disturbed (including ~~1.00~~ **0.67** acre *Xanthium strumarium* herbaceous stand, ~~1.33~~ **1.13** acres disturbed (trails/barren/IMP Area)), ~~0.02~~ **0.01** acre *Artemisia californica*-*Eriogonum fasciculatum* California sagebrush-California buckwheat scrub. Additionally, there are expected permanent impacts to individual California live oak trees (*Quercus agrifolia*) in an area of approximately 0.06 acre. The impacts ~~that~~ vary from direct impacts, resulting in complete removal to a limited number of individual trees, and indirect impacts to individual **trees that are located in close proximity to areas where direct impacts will occur.** The indirect impacts are undetermined at this time because the area's hilly topography may not result in any significant effect or project disturbances may be avoided all together based on project design modifications. ~~made from incorporating Measures to avoidance impacts to~~ **of oak trees will be identified following the completion of the in-tree monitoring-report survey that is** required prior to **the start of the** Project ~~start~~

**Page 7 of 49, 3<sup>rd</sup> paragraph**

**Total Temporary Project Impacts**

Temporary impacts to ~~27.83~~ **23.52** acres subject to Department jurisdiction consisting of vegetation communities and land cover classifications will occur from Initial Sediment Removal, worksite access, and installation of side-slopes in Episodic Maintenance Area. These areas contain ~~12.70~~ **13.16** acres *Lepidospartum squamatum* Alliance (Scalebroom scrub), ~~5.89~~ **4.65** acres of *Salix gooddingii* Alliance (black willow thickets), ~~3.41~~ **2.11** acres *Baccharis salicifolia* shrubland Alliance (mulefat thickets), ~~1.97~~ **0.06** acres disturbed (trails/barren/IMP Area), ~~1.24~~ **0.72** acre *Lepidium latifolium*-*Conium maculatum* herbaceous semi-natural stand, ~~1.70~~ **1.19** acres *Conium maculatum* herbaceous semi-natural stand, ~~0.50~~ **0.7** acre *Xanthium strumarium* herbaceous stand, ~~0.20~~ **0.7** acre *Quercus agrifolia* coast live oak (trees), ~~0.07 acre Eucalyptus (globulus, camaldulensis) Semi-natural stand,~~ **0.08** **12** acre *Artemisia californica*-*Eriogonum fasciculatum* California sagebrush-California buckwheat scrub.



The following Conditions have been added or amended:

**1.11 The Permittee shall fully implement all mitigation measures identified in the Final Environmental Impact Report (FEIR) and as revised by Recirculated FEIR (RFEIR). All Conditions, Studies, and mitigation measures relating to biological resources identified in the FEIR and RFEIR shall be enforceable by CDFW as terms of this Agreement.**

- 2.1 Work Period. Initial Vegetation Removal work within the Initial Sediment Removal Area shall be confined to the period starting September 15 to February 1, in the year(s) of ~~2017~~**2018** to ~~2019~~ **2020**, unless otherwise requested by Permittee and approved by CDFW in writing. Excavation shall be confined to April 15 to December 31 Monday through Friday from 0700 to 1800 hours Standard Time (1900 hours during Daylight Savings Time), and on Saturday between 0800 to 1700 hours during Standard and Daylight Savings Time. Routine Annual Maintenance or Episodic Maintenance work involving vegetation management and/or excavation is specifically addressed in Conditions 2.40 to 2.72 below.
- 2.41 Permittee shall implement Routine Annual and Episodic Maintenance in conformance with the Project Description and the following Conditions in this Agreement. The Permittee shall remove all human generated debris, such as cuttings, garbage and trash. The Permittee shall remove washed out culverts, and other construction materials, that the Permittee places within, or where they may enter the stream. Routine Annual Maintenance activities shall be limited to the inspection, routine maintenance (e.g., fence repair, minor maintenance of access roads, graffiti removal, trash removal, weed abatement, etc.) sediment removal, and vegetation management (annually) within the approved Routine Annual Maintenance Area (~~40.80~~ **42.05** acres) footprint. Vegetation may be mowed annually and when necessary for capacity reasons the root zone may be grubbed. Sediment removal may be implemented by: 1) sediment excavation and hauling off site; and 2) Flow-Assisted Sediment Transport (FAST). Episodic Maintenance within the ~~10.98~~ **7.34** acre (horizontal projection) side slope area may include annual undesirable plant control (including herbicides, hand tools, and mechanically operated hand tools (e.g., chainsaws and motor powered winches), and in the event of a large debris flow or hyper concentrated flood sediment excavation/trucking off site. If additional major maintenance/repair work is required a separate Agreement is required for said repairs.
- 2.42 Work Period. Vegetation Management work shall be confined to September 15 to February 1 starting approximately in ~~2023~~**2024** until ~~2037~~ **2038**. The general days and hours of the week that Permittee should conduct Routine Annual Maintenance is Monday through Friday from 0700 to 1800 hours Standard Time (1900 hours during Daylight Savings Time), and on Saturday between 0800 to 1700 hours during Standard and Daylight Savings Time.

Table 3.0 Compensatory Mitigation [Permanent] Requirements for Creation and Restoration

IMPACTS TO VEGETATION COMMUNITIES	COMPENSATORY MITIGATION REQUIREMENT			
	PERMANENT IMPACTS	Creation	Restoration	Total
<i>Salix gooddingii</i> Woodland Alliance	<del>16.27</del> 15.64	<del>16.27</del> 15.64	<del>22.34</del> 21.44	<del>38.58</del> 37.08
<i>Baccharis saltifolia</i> Shrubland Alliance	<del>8.03</del> 9.71	<del>8.03</del> 9.71	<del>4.83</del> 5.84	<del>12.86</del> 15.55
<i>Lepidospartum squamatum</i> Shrubland Alliance	<del>1.82</del> 1.97	<del>1.82</del> 1.97	<del>7.28</del> 7.88	<del>9.19</del> 8.5
<i>Artemisia californica</i> - <i>Eriogonum fasciculatum</i> Shrubland Alliance	<del>0.02</del> 0.01	<del>0.02</del> 0.01	<del>0.04</del> 0.02	<del>0.06</del> 0.03
<i>Conium maculatum</i> Herbaceous Semi-Natural Alliance*	<del>2.45</del> 2.61	0.00	<del>1.23</del> 1.31	<del>1.23</del> 1.31
<i>Lepidium latifolium</i> - <i>Conium maculatum</i> Herbaceous Semi-Natural Alliance*	<del>9.88</del> 10.24	0.00	<del>4.94</del> 5.12	<del>4.94</del> 5.12
<i>Xanthium strumarium</i> Herbaceous Alliance (Unofficial Alliance)	<del>1.00</del> 0.67	0.00	<del>1.50</del> 1.00	<del>1.50</del> 1.00
Disturbed/Developed	<del>1.33</del> 1.13	0.00	0.00	0.00
TOTAL COMPENSATORY MITIGATION REQUIRED		<del>26.14</del> 27.33	<del>42.13</del> 42.61	<del>68.27</del> 69.94
TOTAL PERMANENT IMPACTS		<del>40.80</del> 41.98		

3.2 Mitigation for Temporary Impacts. The total of ~~27.83~~ **23.52** acres of temporary impacts, described in detail in the Project Description, shall be established and maintained pursuant to the following requirements:

a. The Permittee shall mitigate the temporary impacts to ~~16.85~~ **17** acres of vegetation and habitat communities located in restoration areas designated (DG3B, DG 7, DG 8, DG 9, See Exhibit E) by delaying impacts to temporary impact areas until 3<sup>rd</sup> year of sediment removal project and implement restoration pursuant to Habitat Restoration Plan (see Condition 3.9, below) with 24 months of impacts (see Condition 3.5), and maintained pursuant to Habitat Management Plan (see Condition 3.10).

b. The ~~10.98~~ **7.34** acre (horizontal projection, see Exhibit B) Episodic Maintenance Area will include initially planting with appropriate native plants and thereafter annual undesirable plant control (including herbicides, hand tools, and mechanically operated hand tools (i.e., chainsaws and motor powered winches), and in the event of a large debris flow or hyper concentrated flood Episodic Maintenance would involve the need for sediment excavation/trucking offsite. After Episodic Maintenance the side slopes would be returned to proposed 3:1 (V:H) grade, and the ~~10.98~~ **7.34** acre area will be subject to the continuing annual undesirable plant control.

3.4 Establish Permanent Cross-Section. Permittee shall establish single cross section, established by monument, at upstream limit of Permanent Maintenance Area to document condition and be comparable overtime. The annual monitoring of cross section should be conducted immediately following the high flow season

and include the physical measurements of the site, photos from a fixed photographic station, and if applicable results from interviews with local persons, Permittee, or Permittee's assignees that had important observations. The cross-section and photographic station shall be monitored and reported to CDFW according to the following sub-measures.

- a. Initial Monitoring. Permittee shall monitor cross section annually for the first 5 years following Initial Sediment Removal, estimated at ~~2.4~~ **1.7** mcy plus any additional annual deposits, and as soon as feasible after the first major high flow event. If major high flow event occurs in the first 5 years of monitoring then frequency of future monitoring will be adjusted by CDFW based on consultation with Permittee. Monitoring frequency adjustments shall be based on results of annual monitoring and high flow observations.
- b. Long-term Monitoring. Permittee shall monitor cross section every once every 5 years and immediately after a major high flow event for the duration of this Agreement.

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**TERM**

This Agreement shall expire on ~~March 31, 2037~~ **June 31, 2038**, unless it is terminated or extended before then. All provisions in the Agreement shall remain in force throughout its term. Permittee shall remain responsible for implementing any provisions specified herein to protect fish and wildlife resources after the Agreement expires or is terminated, as FGC section 1605(a)(2) requires.

Please sign and return two copies of this letter to acknowledge the amendment. The amendment becomes valid once the letter is signed by CDFW. Copies of the Agreement and this amendment must be readily available at project worksites and must be presented when requested by a CDFW representative or agency with inspection authority.

If you have any questions regarding this letter, please contact Steve Gibson, Senior Environmental Scientist (Specialist) at (562) 342-2106 or by email at [steve.gibson@wildlife.ca.gov](mailto:steve.gibson@wildlife.ca.gov).



Mr. Christopher Stone  
July 17, 2018  
Page 9 of 9

Sincerely,

Erinn Wilson, Environmental Program Manager

ec: Veronica Mardis, LACFCD [vmardis@dpw.lacounty.gov](mailto:vmardis@dpw.lacounty.gov)

**ACKNOWLEDGEMENT**

I hereby agree to the above-referenced amendment.

Print Name: Christopher Stone

Date: July 17, 2018

Signature: Christopher Stone

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## **APPENDIX B**

### Photo Documentation

Attachment B – Photo Documentation



Photo 7. Overview Phase 1 Container Plant Installation, facing south.



Photo 8. Overview Phase 1 Container Plant Installation, facing east.



Attachment B – Photo Documentation



Photo 9. Overview Phase 1 Container Plant Installation, facing west.



Photo 10. Overview Phase 1 Container Plant Installation, facing southeast.



Attachment B – Photo Documentation



Photo 11. Overview Phase 1 Container Plant Installation, facing southeast.



Photo 12. Overview Phase 1 Container Plant Installation, facing north.



Attachment B – Photo Documentation



Photo 13. Overview Phase 1 Container Plant Installation, facing southeast.



Photo 14. Overview Phase 1 Container Plant Installation, facing northwest.



Attachment B – Photo Documentation



Photo 15. Overview Phase 1 Container Plant Installation, facing south.



Photo 16. Overview Phase 1 Cutting Collection, facing east.



Attachment B – Photo Documentation



Photo 17. Overview Phase 1 Cutting Collection.



Photo 18. Overview Phase 1 Cutting Installation, facing east.



Attachment B – Photo Documentation



Photo 19. Overview Phase 1 Cutting Installation, facing east.



Photo 20. Overview Phase 1 Hand Seeding, facing southeast.



Attachment B – Photo Documentation



Photo 21. Overview Phase 1 Hand Seeding, facing southeast.



Photo 22. Overview Phase 1 Hand Seeding, facing west.